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# Rawinsonde Data Obtained During the Line Islands Experiment

## Volume I: Data Reduction Procedures and Thermodynamic Data

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# FOREWORD

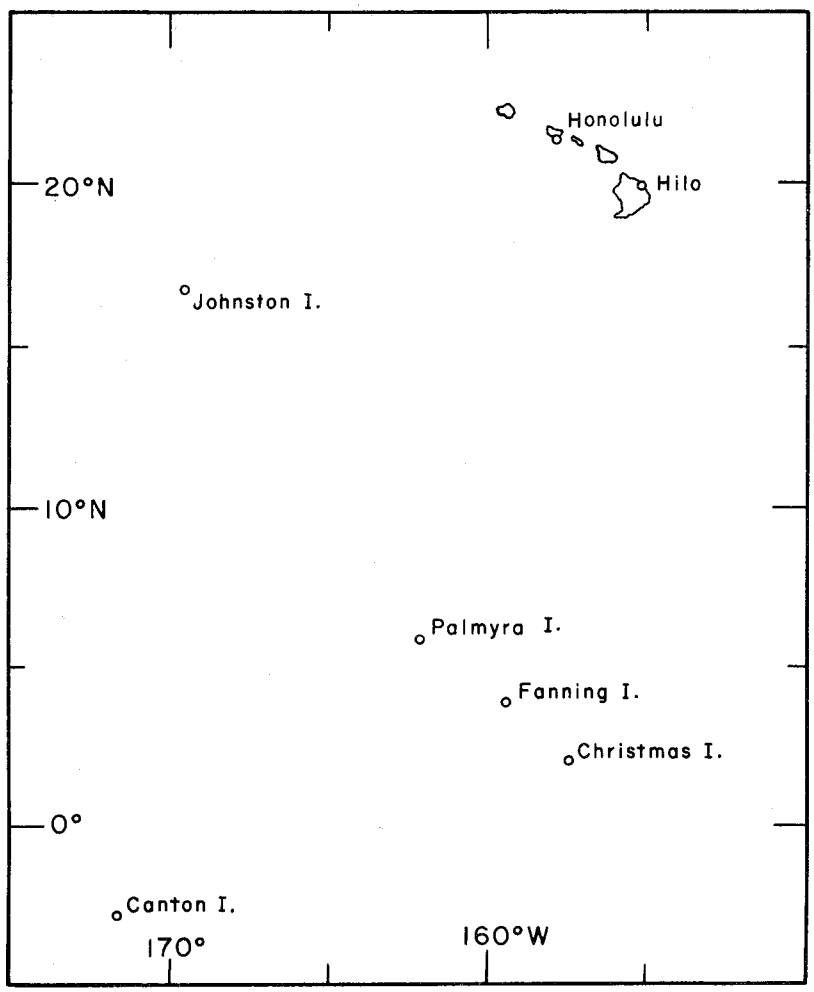
A thorough description of the Line Islands Experiment (LIE) and a comprehensive list of the kinds of data collected are presented in the first report in this series.[1] This report presents a detailed description of the rawinsonde data obtained at Palmyra, Fanning, and Christmas Islands (all low coral atolls), and from the *USC&GSS Surveyor*. For roughly half of the five weeks that the *Surveyor* spent near the islands its soundings were made from an anchor location some 500 km east of Palmyra. The data are arranged in two volumes. Volume I contains a discussion of the data reduction techniques used, a listing of other formats in which the upper air data are available, and the actual thermodynamic data from over 800 soundings taken during LIE. Volume II contains the upper level wind data from these soundings.

The data represent a carefully processed, short-term record of upper air temperature, moisture, and winds near the equator. In its entirety the LIE data sample is unique in its comprehensiveness. The rawinsonde data are compiled here in the hope that easy access to them will enable and encourage scientists to use them in a variety of studies.

The collection, reduction, and presentation of the rawinsonde data involved the cooperation of a number of agencies and the efforts of many individuals. LIE was supported by the National Science Foundation through NCAR. The rawinsonde observations from the islands were made by the 6th Weather Squadron (mobile), U.S. Air Force, and from the *Surveyor* by the Overseas Operations Division, U.S. Weather Bureau. E. Zipser, who served as the scientific coordinator for LIE, guided the collection and presentation of the data. E. Danielsen, D. Joseph, and R. Gall developed the computer methods used in computing the upper level winds. R. Madden and Joseph were responsible for the actual data reduction; P. Erdman and L. Sapp, student assistants at NCAR, participated in this

[1] Zipser, E. J. and R. C. Taylor, 1968: *A Catalogue of Meteorological Data Obtained during the Line Islands Experiment, February-April 1967*, LIE Report No. 1. National Center for Atmospheric Research NCAR-TN-35, Hawaii Institute of Geophysics HIG-67-19, 362 pp.

work. Specific acknowledgment of the efforts of many other individuals and agencies who contributed to the production of this data set is contained in LIE Report No. 1.



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# I. DEVELOPMENT OF A COMPUTER METHOD FOR CALCULATING UPPER LEVEL WINDS FROM THE LINE ISLANDS RAWINSONDE DATA

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# I. DEVELOPMENT OF A COMPUTER METHOD FOR CALCULATING UPPER LEVEL WINDS FROM THE LINE ISLANDS RAWINSONDE DATA

## A. INTRODUCTION

When winds are computed from GMD-1 rawin data, the major problem is to synchronize the thermodynamic and tracking data. Measurements for the two sets of data are made independently: the former at a variable, pressure-dependent rate; the latter at a fixed-time rate (either 6, 30, or 60 sec). Under normal operating procedures, the only link between the two sets is the recorded time of successive reference contacts; i.e., every contact divisible by five.

These reference times are printed directly on the tracking-data tape by interruption of the regular sequence of printing azimuth and elevation angles. The interruptions cause no serious loss of tracking data because they are so infrequent, but the infrequency imposes a serious limitation on the resolution of the computed winds.

If time is known only at the reference contacts, then the ascent rate of the balloon is known only as an average between successive contacts; i.e., an average over roughly 2.5 min up to 17 km, 5 min at 22 km, and 10 min at 26 km. Variations in the wind which depend directly on variations in the ascent rate cannot be accurately resolved for periods significantly shorter than those listed above. It is clear from the listed values that the degradation in resolution begins at about 17 km. In the tropics, this height corresponds to the mean height of the tropopause; therefore, the conventionally computed wind data degenerate in the tropical stratosphere.

The resolution in the stratosphere can be improved, however, if a stable power supply is used to drive the radiosonde recorder enabling the chart to advance at a constant rate, and distances on the chart to be converted to times. Danielsen and Duquet[2] used this technique to

[2]Danielsen, E. F. and R. T. Duquet, 1967: A comparison of FPS-16 and GMD-1 measurements and methods for processing wind data. *J. Appl. Meteorol. 6(5)*, 824-836.

test the accuracy of winds computed from GMD-1 data against those computed from precision FPS-16 radar tracking data. The simultaneous measurements used in these tests were made by the Inter-Range Instrumentation Group/Meteorological Working Group of the National Aeronautics and Space Administration at Pt. Mugu, California. Some of the same data were used by the present authors to develop and test methods for processing the LIE data. After all the data were processed it was a simple matter to reduce the data density to that obtained at the Line Islands and, thereby, to assess the effects of eliminating data.

In the tropics several fortuitous circumstances interact which make data elimination less serious than it would be in extratropical latitudes. These circumstances will be discussed in subsequent sections since they affect the computation and filtering methods.

## B. BASIC DATA

The LIE data were reduced to a standard form by visual inspection of the recorder traces and the tracking-data tapes. Using criteria similar to those used by the Weather Bureau, a trained radiosonde operator selected some 30 to 50 significant levels to delineate the temperature and relative humidity as a function of pressure. On the average, the number of significant levels chosen was about one-fourth the actual number of pressure contacts. No attempt was made to restrict the significant levels to the initial point of the pressure contacts; i.e., the point where the pressure is calibrated. For those significant levels selected within a contact, the pressure was interpolated from the pressure calibration tape by estimating the percentage of the contact interval. This procedure can lead to an error in pressure, independent of the pressure calibration errors, if the balloon's ascent rate varies significantly during the contact interval.

As mentioned previously, the only time measurements were those printed on the tracking-data tape when the reference contacts were reached. These times were recorded to the nearest tenth of a minute and the corresponding reference-level pressures were measured to the

nearest millibar. The thermodynamic data available for the computations thus consist of pressure, temperature, and relative humidity at selected significant levels, and pressure and time at reference levels.

The tracking data consist of azimuth and elevation angles, read to the nearest tenth of a degree, at fixed time intervals. However, the measuring interval varied from 6 sec to 1 min. One of the main objectives was to obtain measurements at 6-sec intervals for the first 5-7 min after release of the balloon and to maintain 30-sec intervals thereafter. This objective was met for the majority of releases; therefore the data processing is based on a change from a 6-sec to a 30-sec readout 5 min after release. When only a 30- or 60-sec readout was made during a particular flight, the data are processed separately and the output is appropriately flagged and identified.

Occasional gaps in the transcribed data signify that the measurements were unreliable or unreadable. Manual orientation of the antenna toward the target causes erratic oscillations in azimuth or elevation angles, and at low elevation angles the antenna may suddenly change angles due to interference from a side lobe. Each data gap was checked against the original tracking tape and in a few cases the checked data were reliable enough to add to the transcribed sequence.

If a data gap occurs at the beginning or end of a sequence, no attempt is made to extrapolate into the gap and all computations are restricted to the transcribed data interval. If the data gap occurs within the sequence, nonlinear interpolations are used to fill the gap. The interpolation method consists of parabolic segments which join the actual data with continuity in the variable and its first time derivative, and which conserve the average change over the data gap. The formulas are similar to those presented in Sect. I-D where the method is applied to generate a continuous ascent rate curve from discontinuous average ascent rates.

## C. PROCESSING OF THERMODYNAMIC DATA

Knowing the pressure, p, temperature, T, and relative humidity, RH, we compute the saturation vapor pressure, $e_s$, the actual vapor pressure, e, the specific humidity, q, and the virtual temperature, $T_v$, from the following equations:

$$e_s = 6.105 \exp\left[25.21\left(1 - \frac{273.2}{T}\right)\right]\left(\frac{273.2}{T}\right)^{5.34} \quad (1)$$

$$e = RH \times e_s \quad (2)$$

$$q = \frac{0.622\ e}{p - 0.378\ e} \quad (3)$$

$$T_v = T(1 + 0.61\ q) \quad (4)$$

The above set of computations is made for each significant level. Then, knowing $T_v$ and p at each level, we assume that $T_v$ varies linearly with respect to the logarithm of p between levels. This assumption permits us to compute $T_v$ at the reference levels since the pressures are known. Finally, the height, z, of the reference levels is computed by a stepwise integration of the hydrostatic equation from the surface elevation and pressure to the lowest reference pressure. When the integrations are completed the heights and times of the reference levels are known, but these times do not coincide with the times when azimuth and elevation are known. Measurements and computed heights must, therefore, be synchronized.

## D. SYNCHRONIZING HEIGHT AND TRACKING DATA

The tracking data are reduced to a measurement of azimuth angle, $\alpha$, and elevation angle, $\varepsilon$, at 30-sec intervals. During the first 5 min after release, when $\alpha$ and $\varepsilon$ were measured at 6-sec intervals, five consecutive readings centered at each 0.5 min are averaged and the average value substituted for the central value.

To compute winds from these data it is most convenient to interpolate z at the 30-sec interval. If a linear interpolation is used in the wind computations, it is equivalent to using a constant ascent rate between reference contacts, and the ascent rate changes discontinuously from one reference level to the next. The errors introduced by this method will now be considered.

If, for simplicity, we neglect the curvature of the earth, then the horizontal position vector from the antenna to the balloon is

$$\mathbf{r} = r \cos \alpha \; \mathbf{i} + r \sin \alpha \; \mathbf{j} \tag{5}$$

where $\mathbf{i}$ and $\mathbf{j}$ are orthogonal unit vectors and the distance out,

$$r = z \operatorname{ctn} \varepsilon \tag{6}$$

The velocity,

$$\mathbf{v} = \frac{d\mathbf{r}}{dt} = \left[ \frac{dz}{dt} \operatorname{ctn} \varepsilon - \frac{z}{\sin^2 \varepsilon} \frac{d\varepsilon}{dt} \right] (\cos \alpha \; \mathbf{i} + \sin \alpha \; \mathbf{j}) + z \operatorname{ctn} \varepsilon \frac{d\alpha}{dt} (-\sin \alpha \; \mathbf{i} + \cos \alpha \; \mathbf{j}) \tag{7}$$

This expression can in turn be simplified by rotating the coordinates so that $\alpha = 0$; thus

$$\mathbf{v} = \left( \frac{dz}{dt} \operatorname{ctn} \varepsilon - \frac{z}{\sin^2 \varepsilon} \frac{d\varepsilon}{dt} \right) \mathbf{i} + z \operatorname{ctn} \varepsilon \frac{d\alpha}{dt} \mathbf{j} \tag{8}$$

In the first term, dz/dt is the ascent rate which varies from 3 to 6 m/sec. If we substitute for dz/dt the mean ascent rate for the entire run, approximately 4.5 m/sec, the error in the $\mathbf{i}$ component of $\mathbf{v}$ will vary from

$\pm$ 0.87 m/sec at $\varepsilon = 60°$
$\pm$ 1.5 m/sec at $\varepsilon = 45°$
$\pm$ 2.6 m/sec at $\varepsilon = 30°$
$\pm$ 5.6 m/sec at $\varepsilon = 15°$

When dz/dt is replaced by the average between successive reference contacts, the errors are reduced by a factor of four or more in the lower atmosphere but retain the above values in the stratosphere. Clearly, the significance of the error depends upon the elevation angles.

Wind speeds in the tropics are usually light to moderate, and wind direction reverses once or twice with increasing height. Under these circumstances $\varepsilon$ seldom attains low values, and both $\alpha$ and $\varepsilon$ change rapidly with height. It follows that variations in ascent rate are less important in tropical than in extratropical latitudes and that the winds are predominantly determined by the second and third terms in Eq. (8). However, above approximately 17 km (i.e., in the tropical stratosphere) where the time between reference contacts increases, the deviations between the actual and average ascent rates become as large as those listed above.

To eliminate discontinuities in the ascent rate, we developed a method for interpolating z(t) which makes z and dz/dt continuous and preserves the average ascent rate between reference contacts.

If we set w = dz/dt and use the reference contact numbers as subscripts, the $\bar{w}$ corresponding to the mid-time between the 15th and 20th contacts can be written as

$$\bar{w}_{17.5} = \frac{z_{20} - z_{15}}{t_{20} - t_{15}} \tag{9}$$

Next, we assume that

$$w_{15} = \frac{\bar{w}_{17.5} + \bar{w}_{12.5}}{2} \tag{10}$$

To generate w's at the mid-times we assume that w varies linearly between the values at the reference contacts and the value at the mid-time.

The values at the mid-times must then satisfy equations of the following type:

$$\frac{w_{15} + w_{17.5}}{2} + \frac{w_{17.5} + w_{20}}{2} = 2\bar{w}_{17.5} \tag{11}$$

that is,

$$w_{17.5} = 2\bar{w}_{17.5} - \frac{w_{15} + w_{20}}{2} \tag{12}$$

This equation can be expressed in terms of known values by substituting the appropriate $\bar{w}$'s for $w_{15}$ and $w_{20}$. Thus,

$$w_{17.5} = \frac{3}{2}\bar{w}_{17.5} - \frac{1}{4}\left(\bar{w}_{22.5} + \bar{w}_{12.5}\right) \tag{13}$$

After a complete set of w's is generated from Eq. (10) at the reference times and from Eq. (13) at the mid-times, the height at every 30 sec is computed by

$$z(t) = z_o + \int_o^t w(t)\, dt$$

where w(t) varies linearly between each reference time and mid-time. The resulting z(t) curve consists of parabolic segments with continuous first derivatives. It passes through the heights originally computed for the reference times because the mean ascent rates are preserved.

In the wind computations we determine the average wind velocity for a 1-min period by simply finite differencing the position vectors at the succeeding and preceding 30 sec. The same procedure is used to compute ascent rates. An example of the 1-min average ascent rate which contributes to these winds is illustrated at the left in Fig. 1; the average ascent rates between reference contacts, from which the continuous curve was derived, appear as vertical line segments on the same curve.

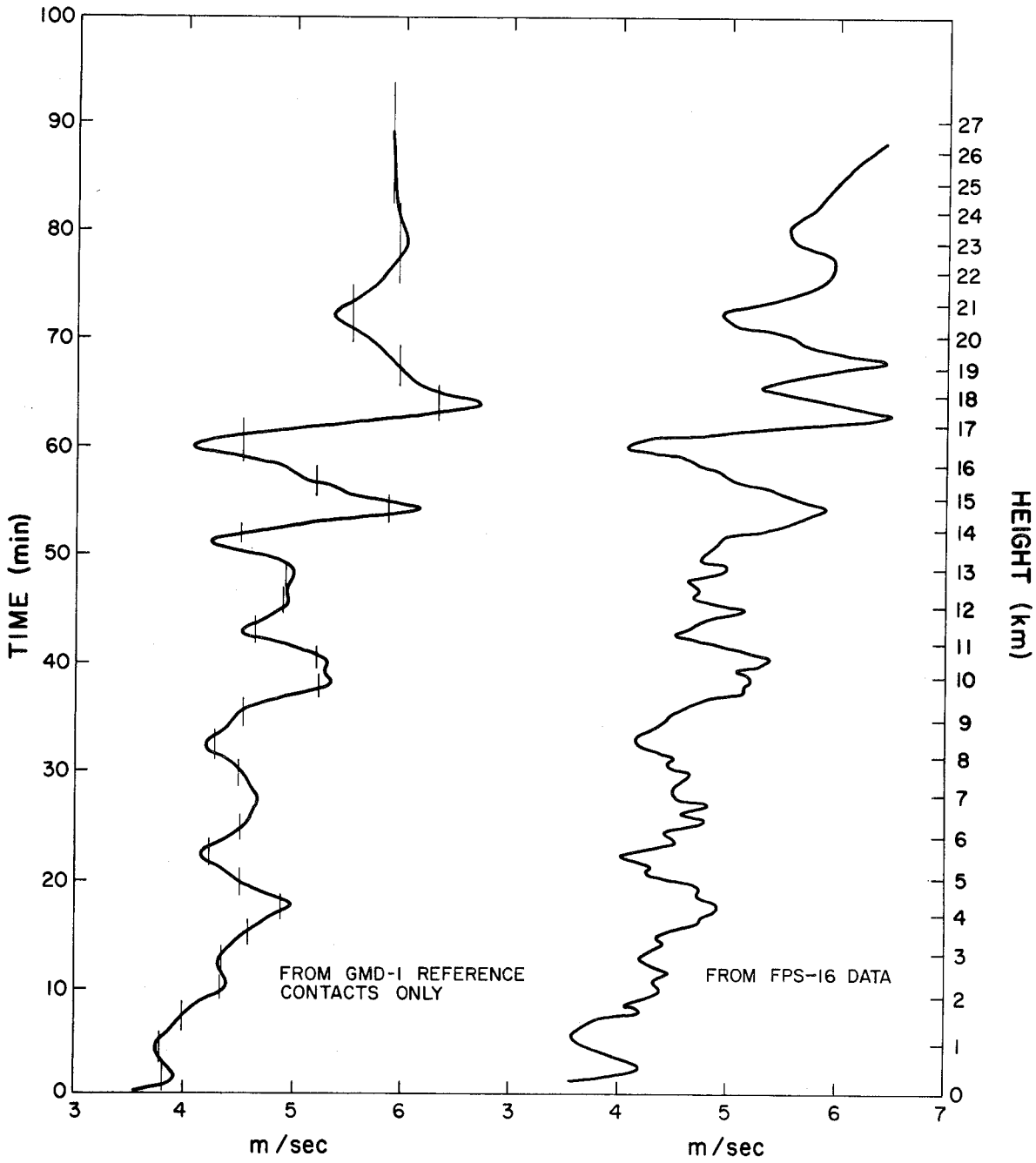



Fig. 1 1-min average ascent rates constructed from GMD-1 reference contacts only (left curve), and 40-sec average ascent rates computed from FPS-16 tracking data (right curve). The vertical line segments on the left curve denote average ascent rates between reference contacts.

The 40-sec average ascent rates derived directly from the precision FPS-16 tracking data are presented at the right in Fig. 1. The curve is derived from data obtained during the simultaneous tracking experiments at Pt. Mugu, California. The 40-sec averages are computed by finite differencing the heights at ±20 sec from the central time. Each height is the average of 200 values, each of which is computed over a curved earth from slant range and elevation angles measured 10 times per second. A 20-sec average for each height was necessary to remove the spurious fluctuations of the radiosonde balloon. The accuracy of the ascent rates computed from the FPS-16 data varies with elevation angle. We estimate that the error varies from ±0.01 m/sec at high angles to ±0.2 m/sec at the lowest angles encountered during this flight.

In this example there was a gradual increase in w from 3.5 to 6.5 m/sec, plus an oscillation of approximately ±0.5 m/sec with a period of approximately 8 min, plus an oscillation of approximately ±0.1 m/sec with a period of approximately 2 min. The 8-min period corresponds to vertical wavelengths from 2 to 3 km, and represents a rather typical mesoscale oscillation. The shorter period, smaller amplitude oscillations are microscale features which cannot be resolved with conventional GMD-1 data.

With few exceptions we find that the continuous ascent rates, which were derived from the discontinuous rates, reproduce the increasing trend in the large scale and the mesoscale oscillations up to 17 km. The most conspicuous exception, the minimum at 13.5 km, is due to an error in the average ascent rate between the 100th and 105th contact, an underestimation of 0.45 m/sec. This amounts to an error of 110 m in the height difference which, as we shall see, must be due to errors in the pressure calibration rather than to errors in the time or the mean temperature.

Above 17 km the large increase in time between reference contacts prevents the resolution of mesoscale variations in ascent rate; consequently the mesoscale oscillations in the winds become unreliable.

To demonstrate that the degradation depends on the larger time interval and not on the conditions at the tropopause, we have included in Fig. 2 the ascent rates derived by using every pressure contact and the times obtained from the feedout rate of the recorder chart. With four additional measurements between reference contacts, the mesoscale variations in ascent rate above 17 km are well resolved.

We stress, therefore, that the degradation of the computed wind data in the stratosphere in this set of LIE ascents is due primarily to the lack of adequate time measurements. This difficulty could easily be removed in future studies.

In Fig. 2 there is a general tendency for over-amplification of the ascent rates computed from every pressure contact, and there are many spurious oscillations. Since the pressure calibration tape has a calibration mark at each contact, the corresponding pressures are presumably more accurate than those interpolated within a contact. Considering the calibrated pressures to be most accurate, we did not expect such erratic results.

Having obtained erratic ascent rates, we decided to investigate the errors in height at successive pressure contacts by comparing the computed heights of the GMD transmitter with those measured by the FPS-16 radar. This required removal of a systematic height difference because the radar tracked the metallic chaff inside the radiosonde balloon while the GMD tracked the suspended transmitter. We did not know the precise length of the suspension cord and we had no precise time check between the GMD and FPS-16 measurements, but these difficulties were not serious. We chose a reasonable length and selected a time where the adjusted heights match. We were most concerned with the trends before and after this time. The data were synchronized at approximately 5 km above the ground.

The height differences vs time plotted in Fig. 3 represent primarily the errors in height generated from the GMD-1 data. The height differences fluctuate strongly about a slowly varying trend up to 13.5 km; above this level there is a rapid change from positive to negative

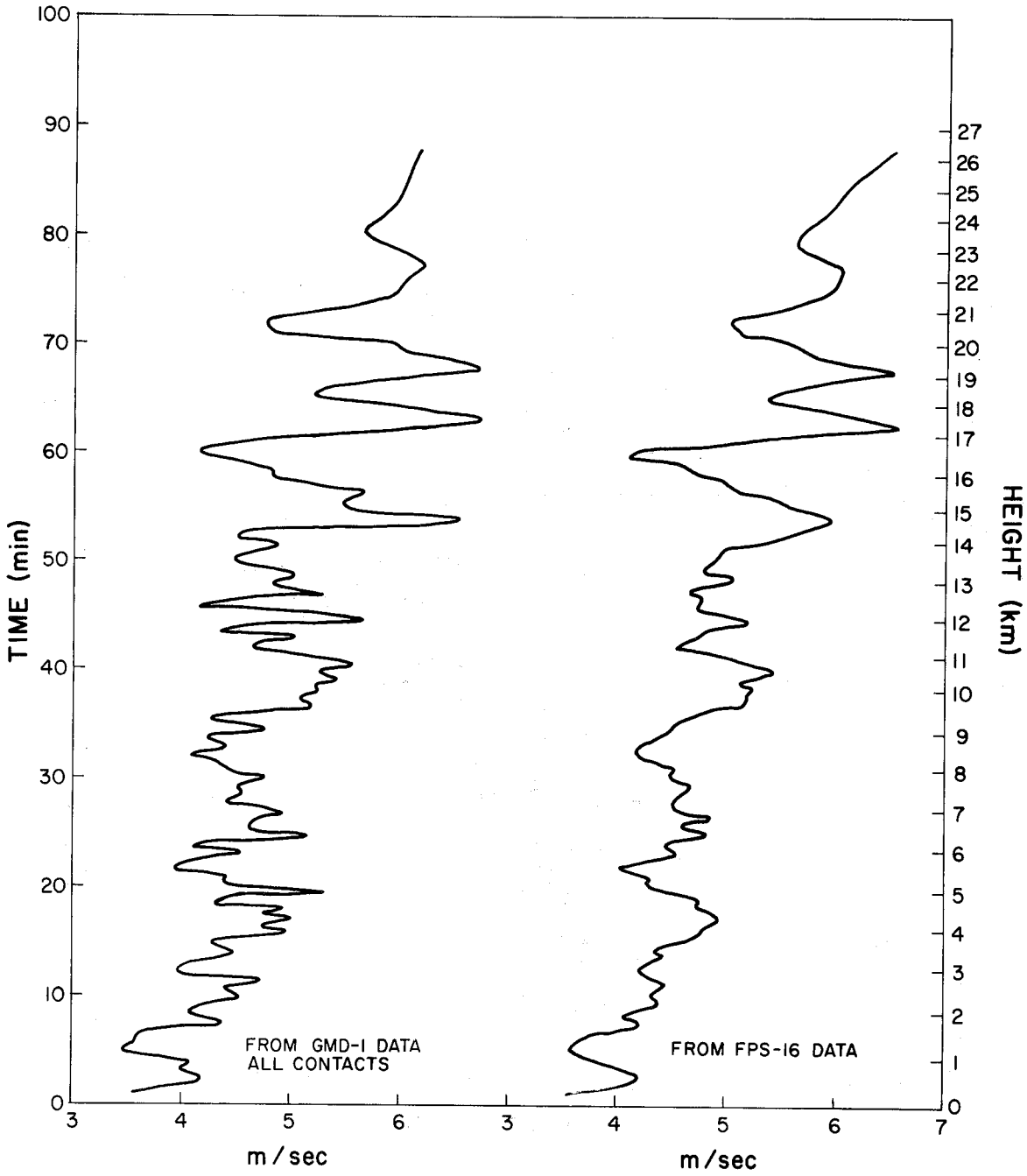



Fig. 2 1-min average ascent rates computed from heights and times of each GMD-1 pressure contact (left curve). The times were obtained from the distance between contacts on the recorder chart which feeds out at a constant rate. The curve at the right is the same as in Fig. 1.

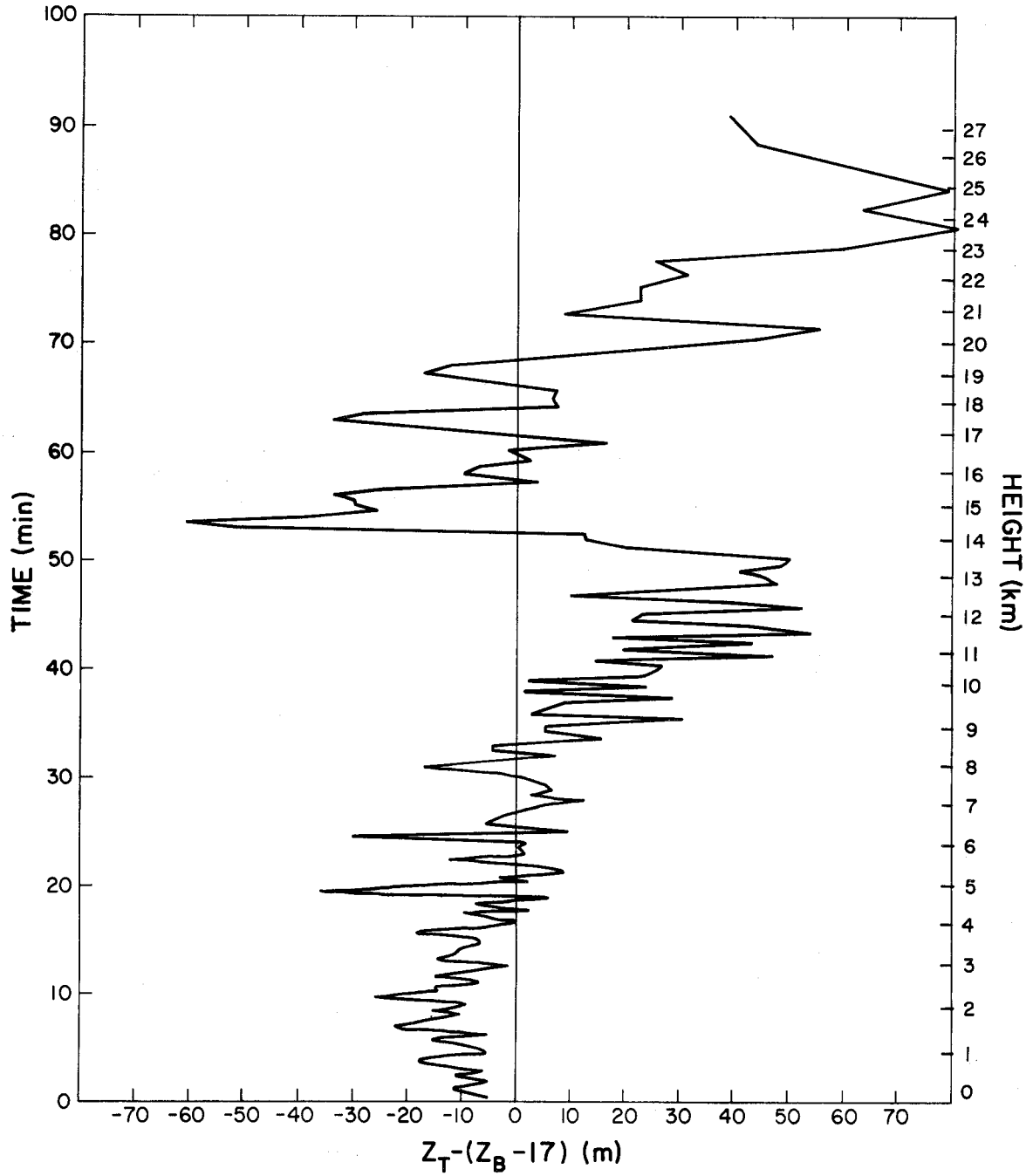



Fig. 3 Height errors in GMD-1 computations, attributed to errors in baroswitch and pressure calibration. $Z_T$ is the height of the radiosonde transmitter, $Z_B$ is the height of the balloon determined from FPS-16 radar, and 17 m is the assumed distance between the transmitter and the balloon.

differences. The total shift is 110 m in 3 min, and this decrease corresponds to the underestimated mean ascent rate between the 100th and 105th contacts previously mentioned. These generally fluctuating errors in height must be due to errors in pressure switching and calibration rather than to errors in mean temperature. Whatever their cause, they are the most serious errors in the thermodynamic measurements.

It is clear from Fig. 3 that height errors of 20-30 m are common, even at low elevations. Because they fluctuate rapidly, most of their effects are eliminated by 1-min averaging. The longer period errors, which tend to be larger in magnitude, are reduced but not eliminated, and are therefore responsible for the errors in ascent rates shown in Fig. 2.

On the basis of the evidence presented in Figs. 1-3, we concluded that for the wind computations there was no great advantage in decoding each pressure contact, except at altitudes above 17 km. Using the nonlinear interpolation method to derive heights at a fixed time interval from the heights and times of the reference contacts only, we obtained continuous ascent rate curves which closely resemble those obtained by filtering the FPS-16 or the complete (every pressure contact) GMD-1 measurements. The latter measurements must be filtered to remove errors in height and ascent rate resulting from errors in pressure calibration at every contact.

For the LIE data this conclusion proved to be valuable. If it had proven necessary to process the data at every pressure contact, the cost of a complete reprocessing would have been prohibitive.

## E. FILTERING OF DATA AND WINDS

When applied to the reduced set of data, the method developed to generate heights at a fixed time interval has about the same effect as a medium- and low-pass filter applied to the complete set of data. Such a filter eliminates the microscale oscillations but passes the meso- and macroscale oscillations with little distortion. To obtain reliable wind vectors we must either filter the azimuth and elevation angles to remove

the microscale oscillations, or we must filter the winds themselves to remove the oscillations produced by incompatible data.

Both types of filtering required testing to determine whether the results were equivalent. On two days with distinctly different velocity profiles no significant difference in the wind velocities was obtained by filtering the azimuth and elevation angles before computing the winds or by filtering the wind components themselves, except in the first few kilometers above the ground. If a filter is applied to a constant number of points over the complete data interval, it is necessary to reflect and invert the data at the beginning and end of the data interval. When the elevation angles changed rapidly just after release, the reflection and inversion introduced significant errors in the low level winds. However, if the wind components were reflected and inverted, no significant errors were detected. We chose, therefore, to compute the winds and then to filter the vectoral components.

The filters used on the Line Islands' winds were designed by R. Bleck in accordance with the specifications we outlined. The first filter, which is called a meso-pass filter, is illustrated in Fig. 4. It uses 17 data points and spans 8 min of data. It eliminates all oscillations with a vertical wavelength less than 5 intervals or, equivalently, all periods less than 2.5 min. Since a 2.5-min period corresponds to the average time between reference contacts up to 17 km, the meso-pass filter eliminates both those oscillations which cannot be resolved in the ascent rates, and those microscale oscillations which are due directly to errors in the measurements. Oscillations in the wind vectors which form a complete period in 2.5 min of ascent correspond to wavelengths of 1 km in the vertical if the conversion from data interval to wavelength is based on a mean ascent rate of 4.5 m/sec. Thus, the mesoscale oscillations with wavelengths greater than 1 km are passed by this filter, and the resulting winds contain both the synoptic and the mesoscale features of the wind field. *This meso-pass filter was used in producing the wind computations presented in Vol. II.*

The second filter, which is called a macro-pass filter, is illustrated in Fig. 5. It uses 31 data points and spans 15 min of data.

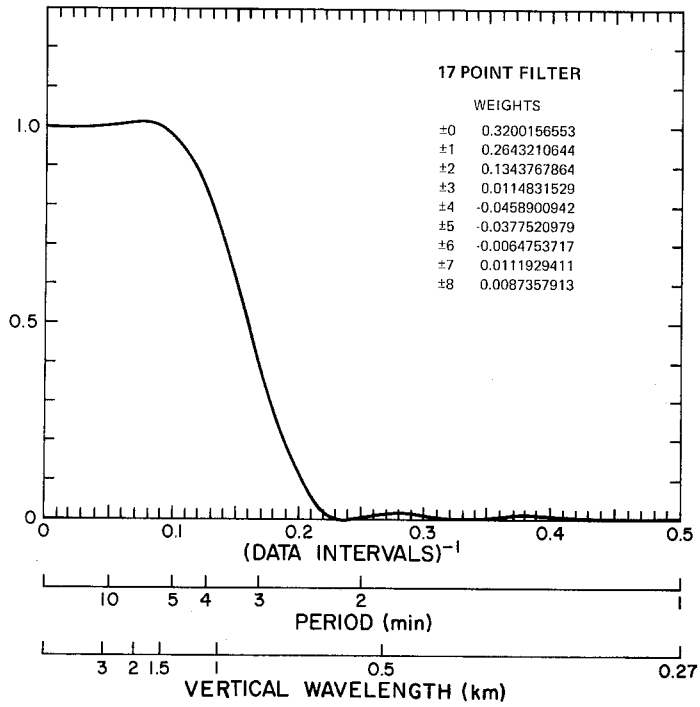



Fig. 4 Response of meso-pass filter and weights applied to the central and the 16 surrounding points.

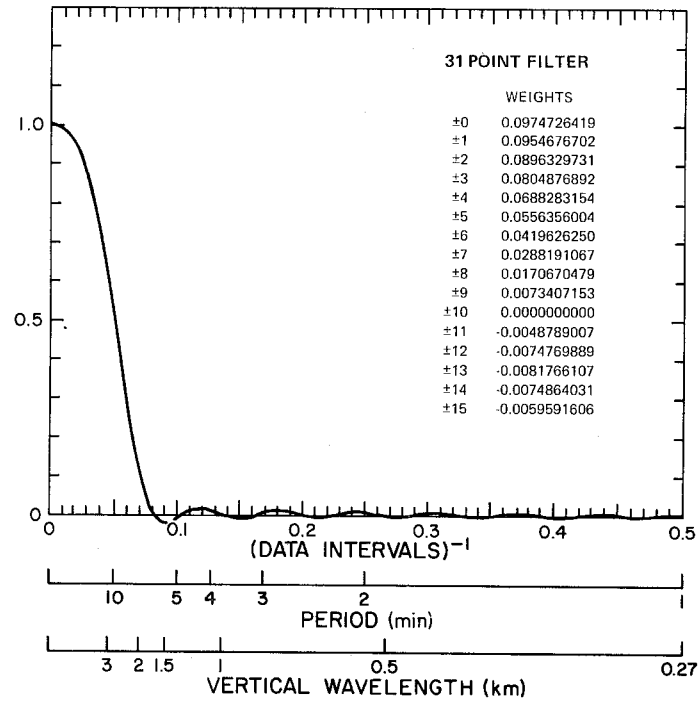



Fig. 5 Response of macro-pass filter and weights applied to the central and the 30 surrounding points.

From Fig. 5 one can see that this filter passes waves with vertical wavelengths greater than 3 km, and effectively eliminates wavelengths less than 2.5 km (i.e., meso- and microscale waves). The resulting winds are properly filtered for application to large scale synoptic analyses.

These filters provide point values which are similar to layer averages or time averages, but they have the advantage of not seriously truncating isolated, large scale maximums or minimums in the wind speed profiles. Comparison of average winds computed over fixed time intervals with winds obtained by the filters showed that the meso-pass filter, which acts on 8 min of data, was similar to a 3-min average, and that the macro-pass filter, which acts on 15 min of data, was similar to a 6-min average. The structure of the main jet maximum was maintained in the filtered winds but increasingly truncated in the averaged winds.

Figure 6 includes computations based on one set of data from Pt. Mugu; the FPS-16 winds provide a standard for comparing the accuracy of the computed and filtered winds. At the left (labeled 1) is the speed profile derived from the FPS-16 data. Each point represents a 40-sec average wind speed. The profile is interesting because small amplitude micro- and mesoscale oscillations are evident at all heights.

Profile 2 is derived from the GMD-1 measurements, including all pressure contacts, times from the feedout of the recorder chart, and azimuth and elevation angles measured every 6 sec. The profile has many features in common with profile 1, but as we saw in the ascent rate profiles, which also apply to this example, there is a tendency toward over-amplification. Since every point is a 1-min average wind speed, while points along profile 1 are 40-sec averages, one would expect the opposite tendency. The over-amplification is caused by errors in ascent rate, which in turn, are caused by errors in pressure calibration. Above 16 km, however, the errors are caused primarily by inaccurate elevation angles.

Profile 3 shows the effects of reducing the amount of thermodynamic data from a complete set to that of the LIE format. The heights at the reference contacts were computed from significant-level

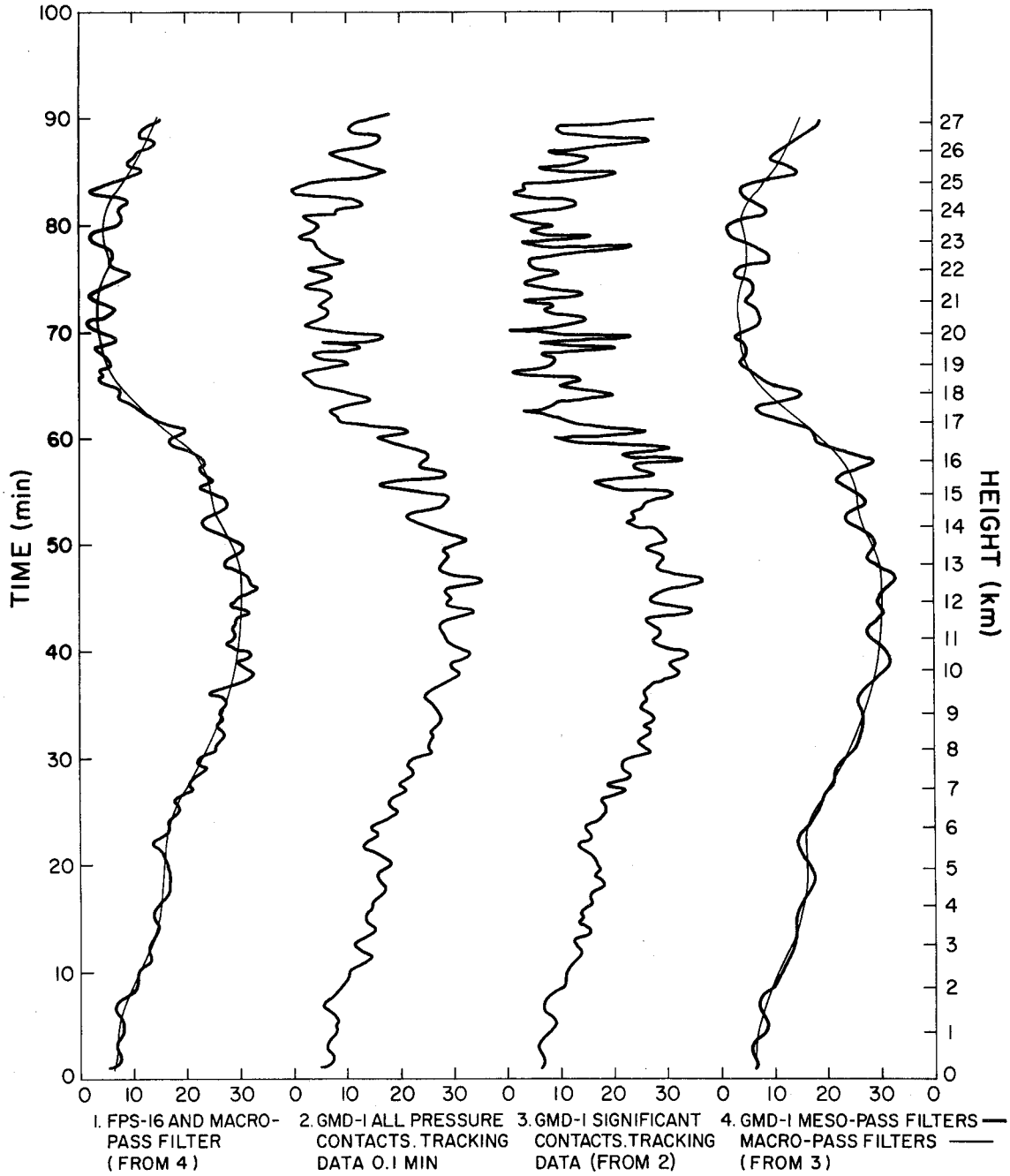



Fig. 6 Comparison of wind speed profiles in meters per second at Pt. Mugu, California (refer to Figs. 1, 2, and 3).

data only, and the heights at every 30 sec were then computed as discussed in Sect. I-D. The azimuth and elevation angles are the same as in profile 2. In the lowest 10 km the LIE format produces a slightly better wind speed profile than the complete set of GMD-1 data, but in the upper levels the errors in ascent rate and elevation angles combine to produce a less accurate profile.

Although profile 3 has large errors above 10 km, these errors are substantially reduced by the two filters. The meso-pass filter applied to the winds of profile 3 produces the heavy-line curve of profile 4. The resulting filtered wind speeds are in rather good agreement with the 40-sec averages computed from the FPS-16 data (profile 1). When making the comparison one must suppress the microscale oscillations (wavelengths less than 1 km) in profile 1. Above 16 km some mesoscale oscillations in profile 4 are totally spurious, some are phase shifted, and some are reliable. Without a standard no distinction could be made.

The thin line through profile 4 shows the results of applying the macro-pass filter to profile 3. For convenience in comparing results, the same macroscale profile has been replotted in profile 1. Although derived from completely independent data, the macroscale profile derived from the GMD-1 data fits the FPS-16 data. The synoptic scale winds are thus accurately derived from the GMD-1 data despite the many sources of error.

## F. EXAMPLE OF LINE ISLANDS' WINDS

The data used in the previous sections were obtained at Pt. Mugu, California, where predominantly westerly winds carried the balloons to low elevation angles. The simultaneous FPS-16 measurements enabled us to test the accuracy of the GMD-1 system with data reduced to the LIE format, and to develop and test methods of computing and filtering the horizontal winds. The accuracy of the winds computed from the LIE data should be as good as or better than that obtained from the Pt. Mugu data since the elevation angles are seldom as low in the tropics as they are in the belt of strong westerlies. The other sources of error are independent of station location.

On the basis of the Pt. Mugu tests we should expect that the 1-min average winds will contain vector errors which can be effectively removed by applying the meso-pass filter. After the winds are filtered, the mesoscale oscillations should be accurate to less than 1 m/sec and 3° up to 16 or 17 km; above this level the accuracy decreases. On the other hand, the synoptic scale winds obtained by applying the macro-pass filter will provide accurate winds throughout the entire balloon ascent.

We have randomly selected one run made at Christmas Island as an example of tropical wind data before and after smoothing. The date is 8 April 1967, and the time 1650 GMT (0650 local time). The hodograph of the unfiltered winds is somewhat complicated, but one can unravel the trends by comparing it with the simpler hodographs of the filtered winds. The simplest hodograph, obtained by applying the macro-pass filter to the 1-min averaged winds, is shown in Fig. 7. Both time in minutes and heights in kilometers are plotted along the curve for reference.[3]

The winds are seen to change from easterly to westerly, and back to easterly, and the westerlies are seen to oscillate from southwest to northwest. These oscillations tend to keep the elevation angles large; the lowest angle in this case was 17° at 11 min, and the highest angle was 69° at 35 min. From 35 to 88 min the angles decreased slowly to 28° and then increased again to 52° at the end of the run. Except for a few minutes in the early part of the run, the elevation angles were above 20°; therefore, no serious errors were introduced by reflected signals.

Despite the strong filtering, considerable structure remains in the hodograph. The 8-km oscillation from northwest at 32 kt to south at 63 kt, and to west-northwest at 40 kt is particularly interesting because it implies a sharp reversal in cross-equatorial flow. Figure 14 (first presented in Sect. III and discussed further in Sect. V) illustrates the time and space continuity of these features; the phenomenon

[3]This run is shown to reach 30 km. Since thermodynamic data were recorded on the master tape to only 61 mb, the attached tabulations do not contain information above 19 km.

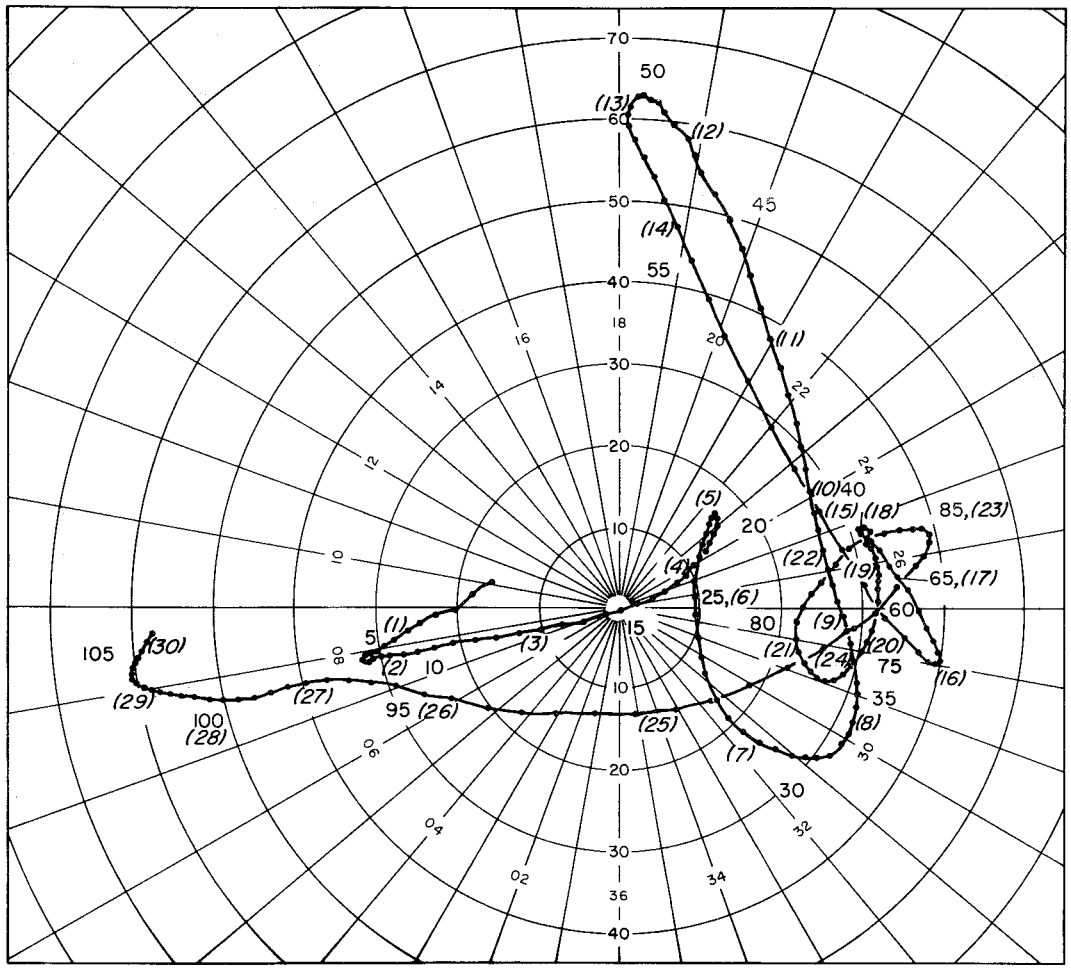



Fig. 7 Hodograph of winds at Christmas Island, 1650 GMT, 8 April 1967, after smoothing with macro-pass filter. The time after release is labeled every 5 min; the heights in kilometers are shown in parentheses.

of the layered structure of the Line Islands' winds is discussed elsewhere by Madden and Zipser.[4]

The hodograph obtained from the meso-pass filter (Fig. 8) contains the same oscillation but has a larger amplitude. At 61.5 min, which corresponds to 16 km, the wind is from the northwest at 53 kt. This mesoscale component thus has a magnitude of 22 kt and is directed toward the equator.

In general, the mesoscale components have amplitudes of less than 10 kt and of varying directions so that the hodograph undulates about the macroscale hodograph. When compared to numerous hodographs computed by similar methods from mid-latitude soundings, there is a distinct absence of anticyclonic loops. At mid-latitudes anticyclonic loops predominate in the stratosphere. The difference is due in part to the persistently large shears in the Christmas Island winds, which in the hodograph convert loops to undulations.

As mentioned previously, the hodograph of the unfiltered winds (Fig. 9) is almost impossible to trace because of randomly distributed error vectors which are superimposed on the macro- and mesoscale components. These error vectors have their largest amplitudes above 17 km (65 min) where the elevation angles are relatively large, but the heights and the ascent rates are not accurately resolved.

## G. COMPARISON WITH CONVENTIONALLY HAND-COMPUTED WINDS

Many of the soundings taken at the Line Islands were processed at the stations by the radiosonde operators, just as standard soundings are prepared twice daily for teletype and radio transmission. All of these computations are made graphically, and several graphical interpolations are required to prepare the plot of the balloon's successive positions. Sources of error are so numerous that it is usually impossible to identify a specific source from the final product.

[4]Madden, R. A. and E. J. Zipser, 1970: Multi-layered structure of the wind over the equatorial Pacific during the Line Islands Experiment. *J. Atmos. Sci. 27*, 336-342.

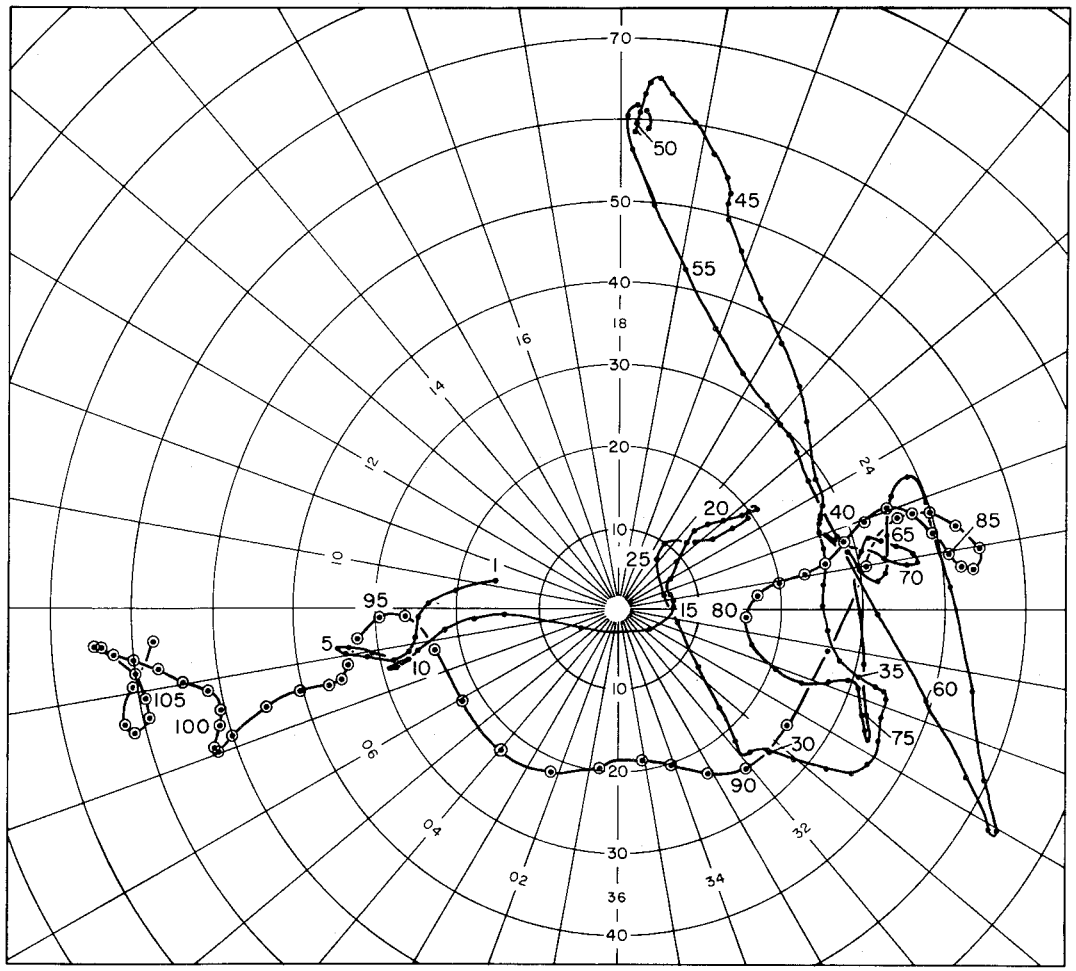



Fig. 8 Hodograph of winds at Christmas Island, 1650 GMT, 8 April 1967, after smoothing with meso-pass filter. The time after release is labeled every 5 min; the heights in kilometers are shown in parentheses.

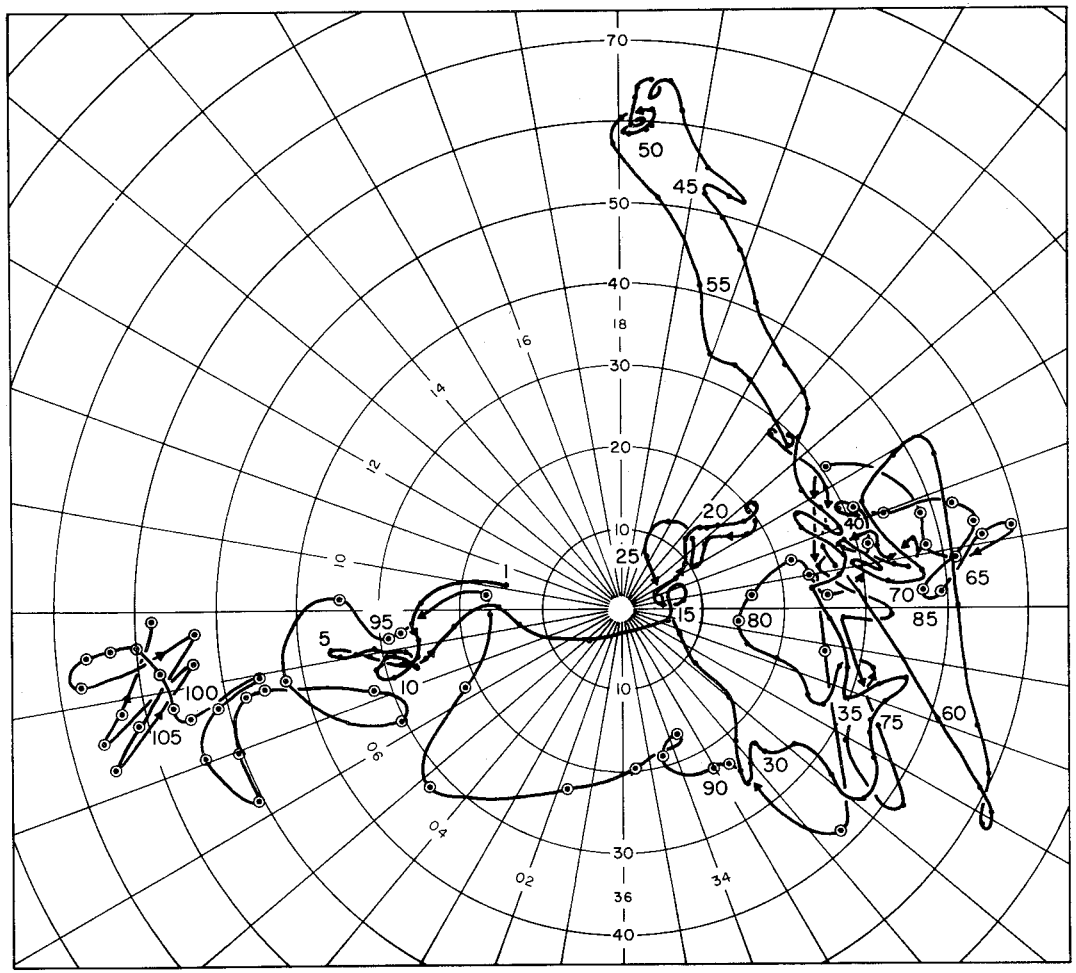



Fig. 9 Hodograph of winds at Christmas Island, 1650 GMT, 8 April 1967, with no filtering. The time after release is labeled every 5 min; the heights in kilometers are shown in parentheses.

In the manual-graphical method the wind computations change character at 7 and 14 km. From the surface to 7 km a 2-min average wind is determined for each minute. From 7 to 14 km a 2-min average is determined for each even minute, and above 14 km a 4-min average is computed for each even minute. By comparison, we compute a 1-min average wind every 0.5 min throughout the run.

On the basis of the 2- and 4-min averages one would expect the manual-graphical winds to approximate most closely those we obtain from the meso-pass filter. Actually, the conventional product (Fig. 10) more closely resembles the hodograph obtained from the macro-pass filter. This result is puzzling, but may stem from an operator's unconscious tendency to smooth graphical computations. Whether we compare the manual product (Fig. 10) with the meso-pass product (Fig. 8) or with the macro-pass product (Fig. 7), there are significant errors in the graphically computed winds. The error vectors, obtained by subtracting the vectors of Fig. 8 from the vectors of Fig 10, are presented in Fig. 11. At 17 and 18 min the error vectors have a magnitude of 19 kt, and have produced a spurious wind reversal from westerlies to easterlies.

## H. CONCLUSIONS

Although the thermodynamic data for the LIE serial ascents were processed at significant levels only, and although the times were recorded at reference levels only, both the meso- and macroscale structures of the vector winds can be accurately determined up to approximately 17 km by the computer methods discussed in this report. Above 17 km the mesoscale components are distorted because the ascent rates of the balloon cannot be resolved with sufficient accuracy. This difficulty can be eliminated by including a separate timing device in the recording system.

It was also possible to obtain 1-min average winds at every 0.5 min because the azimuth and elevation angles were printed at this frequency. Since the microscale components of the wind cannot be resolved with GMD-1 equipment, nothing is gained by more frequent computations.

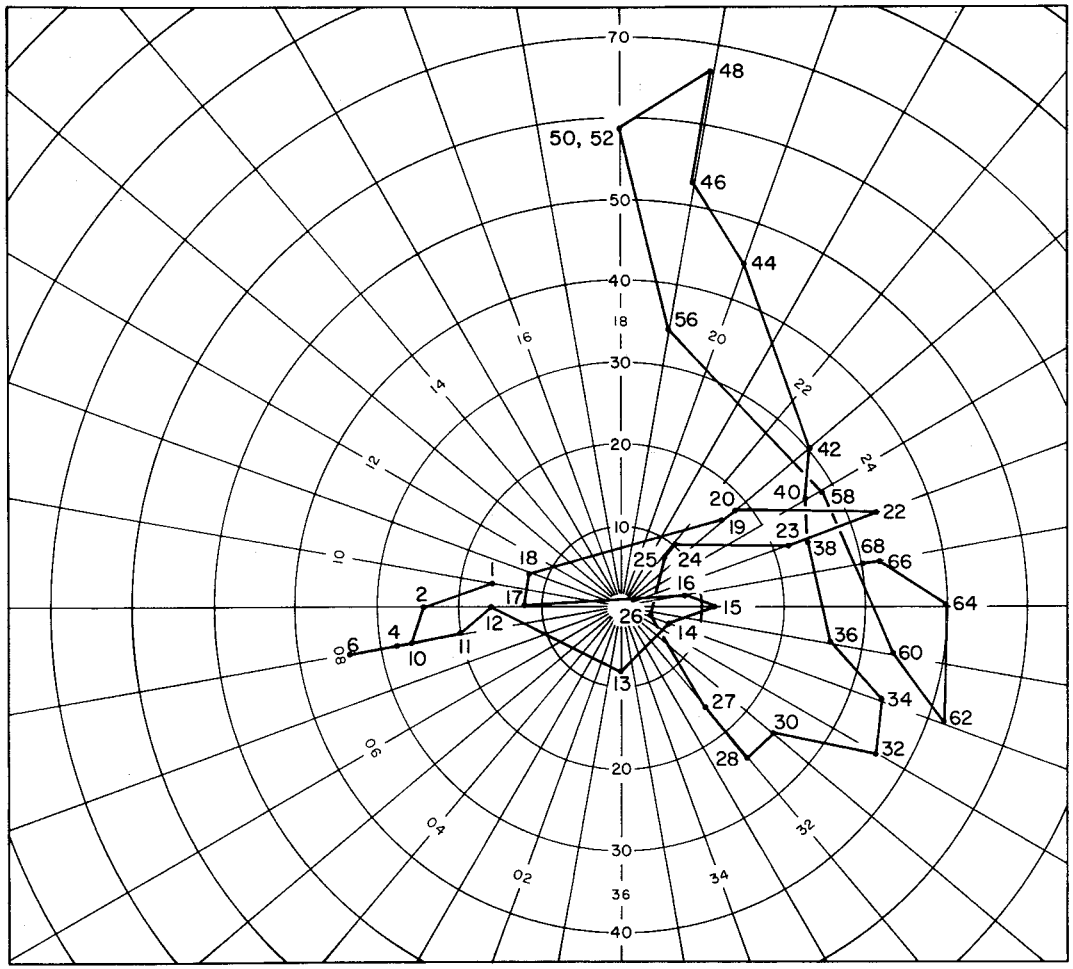



Fig. 10 Hodograph of manually computed winds at Christmas Island, 1650 GMT, 8 April 1967. The time in minutes after release is plotted for each computation. The wind vectors for minutes 3, 8, and 9 are the same as 10; 5 is the same as 6; and 7 is the same as 4.

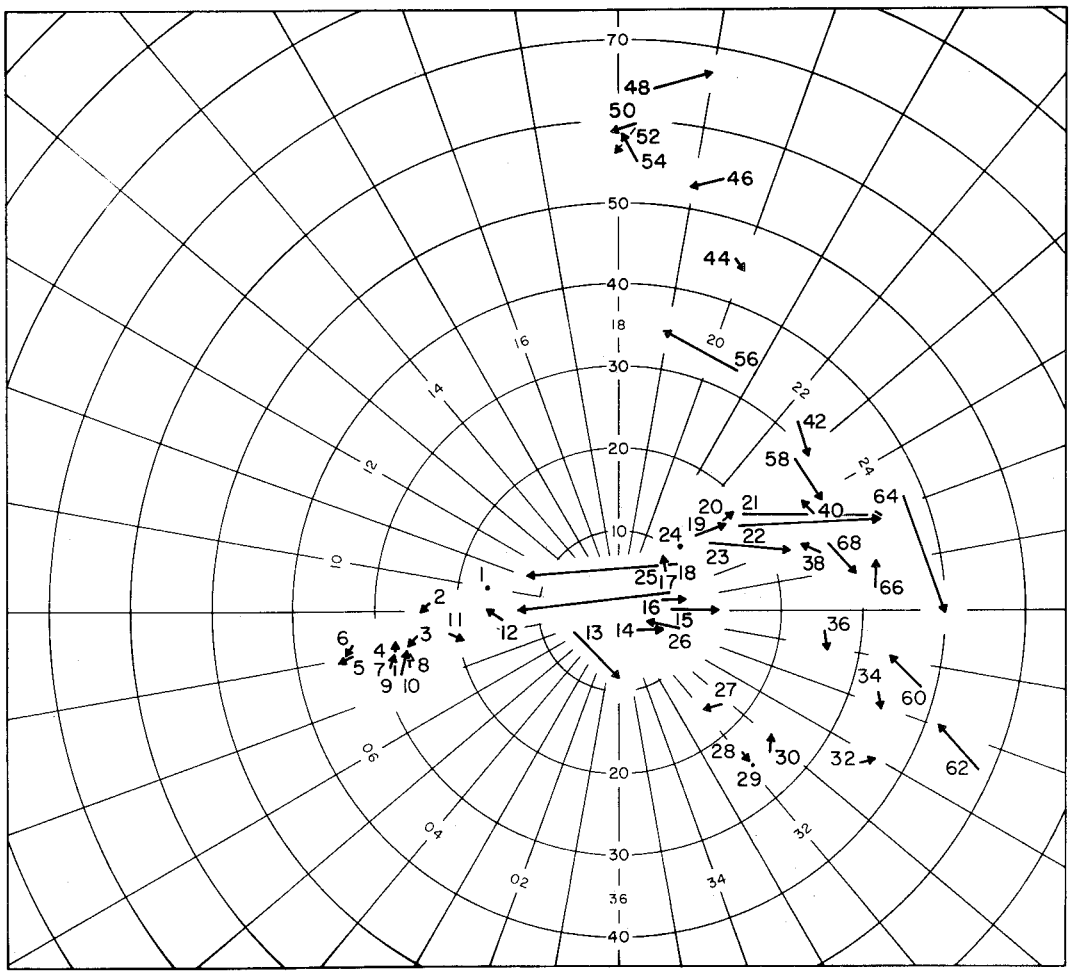



Fig. 11 Error vectors in manually computed winds at Christmas Island, 1650 GMT, 8 April 1967 (manually computed wind vectors minus meso-pass filtered wind vectors). Numbers signify time in minutes after release.

Extremely low elevation angles, which severely limit the resolution of the mesoscale components at mid-latitude stations when strong jets are present, are rarely encountered at tropical latitudes. Their absence eliminates the major source of error in the GMD tracking system which cannot discriminate between direct and reflected signals.

# II. PROCESSING OF THE THERMODYNAMIC DATA OBTAINED FROM THE LINE ISLANDS RAWINSONDES

## II. PROCESSING OF THE THERMODYNAMIC DATA OBTAINED FROM THE LINE ISLANDS RAWINSONDES

The thermodynamic data were recorded at significant levels according to the rules outlined by Circular P (U.S. Weather Bureau, 1957). Preliminary checks were made to insure that data were in correct order, complete, and free of obvious errors. Mean soundings for the period were then computed at 3-hr intervals (0000, 0300, 0600 GMT, etc.) for each of the islands. Individual soundings from the islands were compared with the appropriate mean in an effort to detect more subtle errors. Individual soundings from the *USC&GSS Surveyor* were compared with a single mean sounding which was based on all radiosondes from all three islands. These comparisons were made for the period 13-28 March 1967 when the *Surveyor* was near the islands. The original recorder records of soundings which had points that differed significantly from their respective mean were examined; detectable errors were corrected, and in some cases erroneous base line calibrations were adjusted.

Transcribing radiosonde data at significant levels results in temperature and relative humidity measurements at pressure levels where the slope of the recorder trace changes. To tabulate the data at specific pressure levels it was assumed that both temperature and relative humidity varied linearly with respect to the natural logarithm of pressure between significant levels. A computer program was written to interpolate temperature and relative humidity to the following levels:

1. Surface
2. 1,000-200 mb (in 25-mb intervals)
3. 200-60 mb (in 10-mb intervals)
4. 60-20 mb (in 5-mb intervals)
5. 20-10 mb (in 2-mb intervals)
6. 10-2 mb (in 1-mb intervals)

The temperature and relative humidity data obtained by interpolations between significant levels were compared to data from several

soundings which were interpolated between each contact to test the effect of interpolating between significant levels. (As the radiosonde rises and pressure decreases, an expanding aneroid pressure cell moves a contact arm across a commutator bar. Temperature and relative humidity values are transmitted to the ground as each contact is made; thus data recorded at each contact, for practical purposes, represent the maximum possible vertical resolution.) An average of 30 significant levels was recorded for soundings which terminated at 60 mb. An average of 120 contacts was made between 1,000 and 60 mb; therefore, values interpolated between each contact should represent the recorder traces more closely than values interpolated between significant levels. The data based on temperature and relative humidity evaluations at every contact were provided to us by J. Pinkerton of the University of Hawaii. Both the average deviations (average of the absolute values of the deviations) and the arithmetic average deviations (average of the deviations) were computed for several levels; the results are presented in Table 1.

Table 1

COMPARISON OF DATA INTERPOLATED FROM SIGNIFICANT LEVELS WITH DATA INTERPOLATED FROM EVERY CONTACT

| Pressure Level (mb) | Temperature | | Relative Humidity | | Number of Soundings |
|---|---|---|---|---|---|
| | Avg. Dev. (°C) | Arithmetic Avg. Dev. (°C) | Avg. Dev. (%) | Arithmetic Avg. Dev. (%) | |
| 100 | 0.41 | 0.30 | - | - | 41 |
| 200 | 0.27 | -0.05 | - | - | 45 |
| 300 | 0.28 | 0.01 | - | - | 45 |
| 400 | 0.23 | -0.03 | 1.54 | -0.40 | 47 |
| 500 | 0.24 | -0.10 | 2.94 | 0.53 | 48 |
| 600 | 0.26 | 0.08 | 2.40 | -0.17 | 49 |
| 700 | 0.27 | 0.06 | 3.23 | 1.25 | 49 |
| 800 | 0.33 | 0.16 | 3.56 | -0.47 | 49 |
| 900 | 0.29 | 0.09 | 2.75 | -0.71 | 49 |

The arithmetic average deviations of both the temperature and the relative humidity differ considerably from their respective average deviations, indicating that the deviations are essentially random. In addition, the 400- and 100-mb levels were always selected as significant levels (i.e., no interpolation was required). Since the average deviations at these levels show no marked tendency to be less than at other levels, one is led to the conclusion that the deviations shown in Table 1 are attributable to errors inherent in the manual work-up rather than in the interpolation procedures. One source of error arises from the fact that significant levels do not necessarily occur at the initial point of a contact. When a significant level falls within a contact interval, the percentage of contact evident on the recorder trace is used to determine pressure from the pressure calibration tape. If the ascent rate varies significantly during a contact interval, a percentage of that contact interval on the recorder trace will not correspond to a similar percentage on the pressure calibration tape. A second source of error can be introduced when the pressure calibration tape itself is read. On a typical calibration tape the ratio of pressure in millibars to contact varies from about 20 near 1,000 mb to 4 near 100 mb. One can estimate position to about 0.1 of a contact at 1,000 mb but only to about 0.5 of a contact at 100 mb. The net result is that even the most careful individual can easily make an error of 2 mb in relating contact to pressure. A third source of error can be introduced in estimating the ordinate value of the recorder trace. Still a fourth source of error, closely related to the third, is the radiosonde temperature evaluator (U.S. Weather Bureau No. 230B) which was used to relate the ordinate of the temperature trace to actual temperature values. The ratio of temperature interval to ordinate interval varies on this evaluator from about 2.5C° at 25°C, to 1.4C° at -15°C, to 3C° at -80°C. Figure 12 illustrates a likely error introduced in the reading of the evaluator as a function of pressure.

Similar errors contribute to the average relative humidity deviations, but it is also likely that the effect of the interpolation procedure on the relative humidity is somewhat larger than it is on the

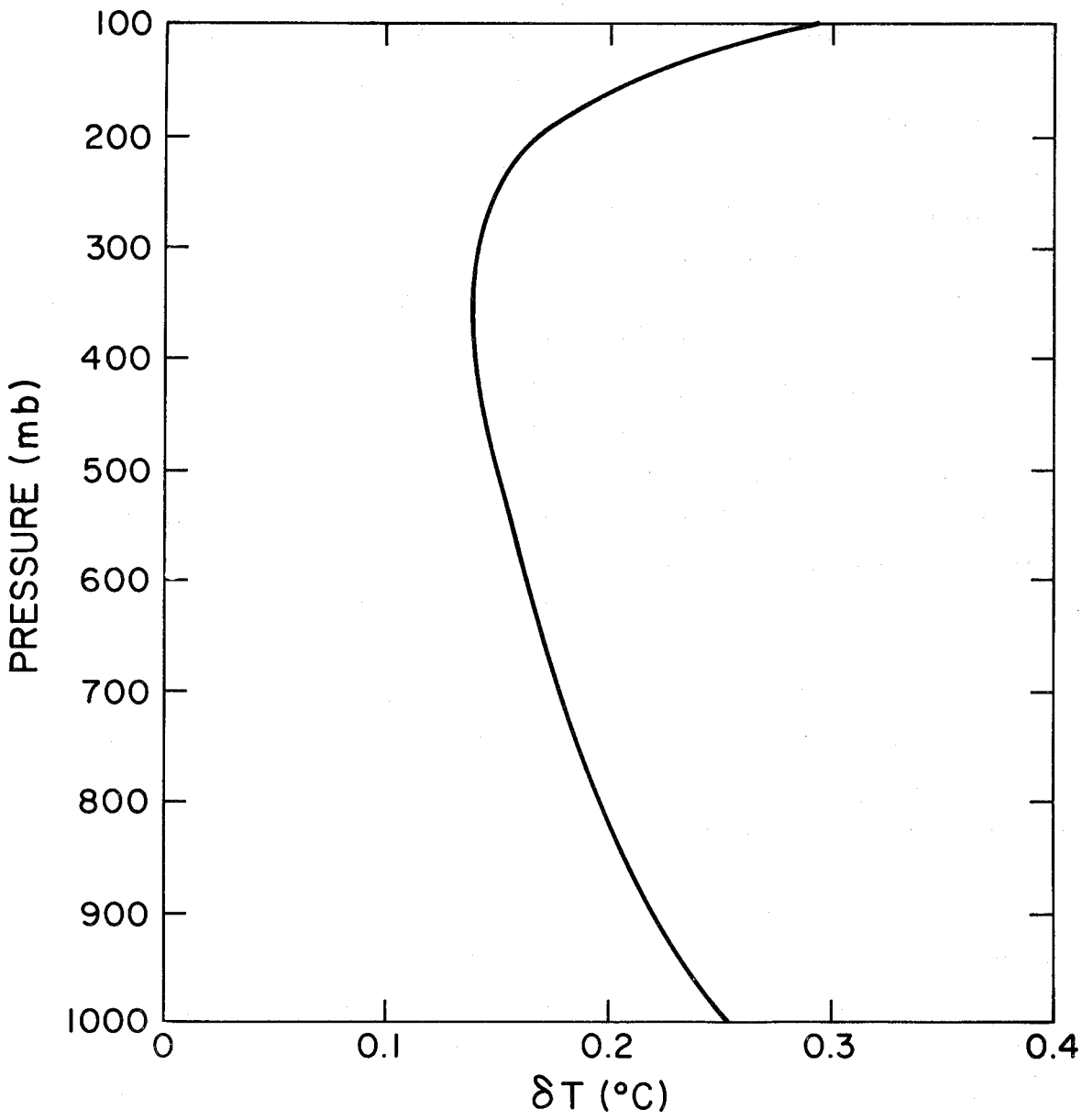



Fig. 12 Likely error, $\delta T$, introduced in the reading of the radiosonde temperature evaluator as a function of pressure. The figure is based on the mean temperature sounding from the LIE, and assumes that the position on the evaluator can be estimated only to within one tenth of an ordinate.

temperature. A significant level is selected whenever a point on the temperature trace differs from a constant slope by 1°C or more (2°C above 99 mb); however, a significant level due to relative humidity variations is selected when this difference is 10%. There is little doubt that when relative humidity is interpolated between contacts it will include more detail than when it is interpolated between significant levels.

Secondary parameters were determined from the following equations

$$\text{mixing ratio:} \quad W = \frac{0.622\ e}{p - e}$$

where e is the vapor pressure and p is the total pressure.

$$\text{equivalent potential temperature:} \quad \theta_e = \theta_d \exp\left(\frac{LW}{c_p T_s}\right)$$

where $\theta_d$ is the partial potential temperature, L is the latent heat of vaporization, $c_p$ is the specific heat of dry air at constant pressure, and $T_s$ is the temperature at the lifting condensation level. (A subroutine written by Bleck was used for this calculation.)

$$\text{thickness:} \quad \Delta z = \frac{R}{9.80} \bar{T}_v \ln \frac{p}{p'}$$

$$\text{geopotential heights:} \quad H = \Sigma \Delta z$$

where R is the gas constant for dry air, p and $p'$ are the pressures at the bottom and top of the layer, $\Delta z$, respectively, and $\bar{T}_v$ is the mean virtual temperature of the layer.

# III. DATA FORMATS

# III. DATA FORMATS

The upper air data from LIE have been prepared in several formats in addition to the ones presented in this report. Since one of these other formats may be more suitable to the needs of individual scientists, a description of each is presented in this section.

## A. MAGNETIC TAPE

Magnetic tapes containing upper air data from LIE are recorded in tape BCD on 7-channel tape. These tapes are even parity and are recorded at 556 BPI unless another density or parity is requested. The entire set of data is contained in one file of variable-length records, followed by a file mark. Records are multiples of ten characters. If the length of the data record is not a multiple of ten characters, the remaining spaces are blank.

The first 30 characters of each record contain identifying information in the following format:

| Field Name | Fortran Format Specification | Key | Meaning |
|---|---|---|---|
| Data type | I2 | 2 | Time; azimuth; elevation |
| | | 3 | Pressure; time |
| | | 2 | Pressure; temperature; relative humidity at significant levels |
| | | 5 | Winds with no smoother applied |
| | | 6 | Winds with light smoother applied |
| | | 7 | Winds with heavy smoother applied |
| Station | I5 | 91385 | Palmyra Island |
| | | 91487 | Fanning Island |
| | | 91490 | Christmas Island |
| | | 96352 | *Surveyor* (fictitious number) |

| Field Name | Fortran Format Specification | Key | Meaning |
|---|---|---|---|
| Year | I2 | 67 | 1967 |
| Month | I2 | 1 | January, etc. |
| Day | I2 | 1-31 | Day of month |
| Hour | I2 | 0-23 | Hour and minute of day (GMT) |
| Minute | I2 | 0-59 | |
| Levels | I3 | | Number of levels in sounding |
| Start time | F4.1 | | Time of first level |
| | 6X | | Not used |

The tape is sequenced on the first 17 characters of the identification field. The formats for the data fields vary for each data type. The formats given below are repeated for each level of the soundings. All decimal points are implied. The data levels begin with character number 31.

| Data Type | Variable | Fortran Format Specification | Units |
|---|---|---|---|
| 2 | Time | F4.1 | Minutes |
| | Elevation | F3.1 | Degrees (0 = missing) |
| | Azimuth | F4.1 | Degrees (0 = missing) |
| 3 | Pressure | F5.1 | Millibars |
| | Time | F4.1 | Minutes |
| 4 | Pressure | F5.1 | Millibars |
| | Temperature | F5.1 | Degrees Centigrade |
| | Relative humidity | F3.0 | Percent |
| 5,6,7 | Height | F5.0 | Meters |
| | Flag | I1 | This value indicates the number of azimuth and elevation values from the original data that were used in computing wind at this level. Missing data were interpolated. A "9" indicates 9 or 10 values were available from the original data. A "0" indicates all values used for this level were interpolated. |
| | Direction | F3.0 | Degrees |
| | Speed | F4.1 | Meters per second |

*Note:* Winds are computed for every 0.5 min beginning at start time. The first level is start time; the second is start time +0.5, etc.

## B. THERMODYNAMIC PLOTS

Figure 13 is an example of the thermodynamic plots produced by the NCAR computer. The program for this plotting was adapted from a more general program written by Bleck. Microfilm copies of similar plots of all the soundings can be obtained by interested investigators.

## C. VERTICAL-TIME SECTIONS OF UPPER WINDS

Microfilm copies of computer-plotted, vertical-time sections of the meso-pass filtered winds are available either in the form of directions and speeds or in the form of u and v components. Unfiltered or macro-pass filtered winds can be prepared on request. These vertical-time sections contain component winds in meters per second at 500-m intervals from 500 to 40,000 m. The analysis presented in Fig. 14 is based on these vertical-time sections. Microfilm copies of vertical-time sections of the upper level winds plotted in the conventional form (a barb for 10 kt, a flag for 50 kt) are also available.

## D. VERTICAL-TIME SECTIONS OF 24-hr MEAN DATA

Microfilm copies are available of vertical-time sections of 24-hr mean data, consisting of one plot per day. Each plot is the 24-hr mean, made up of from one to eight soundings of the upper level data for that day. The data are plotted at 50-mb intervals from 1,000 to 100 mb. Data which have been plotted in these sections are mean temperature, mean relative humidity, and mean wind components. In addition, vertical-time sections of the deviations of the 24-hr mean temperatures and relative humidities from their respective long-term means have been prepared.

## E. DEVIATIONS OF TEMPERATURE AND MIXING RATIO

Microfilm copies of plots of individual temperatures and mixing ratio deviations from their respective long-term means are available. These plots were originally prepared to aid in finding errors in the data, but they may find use in analysis.

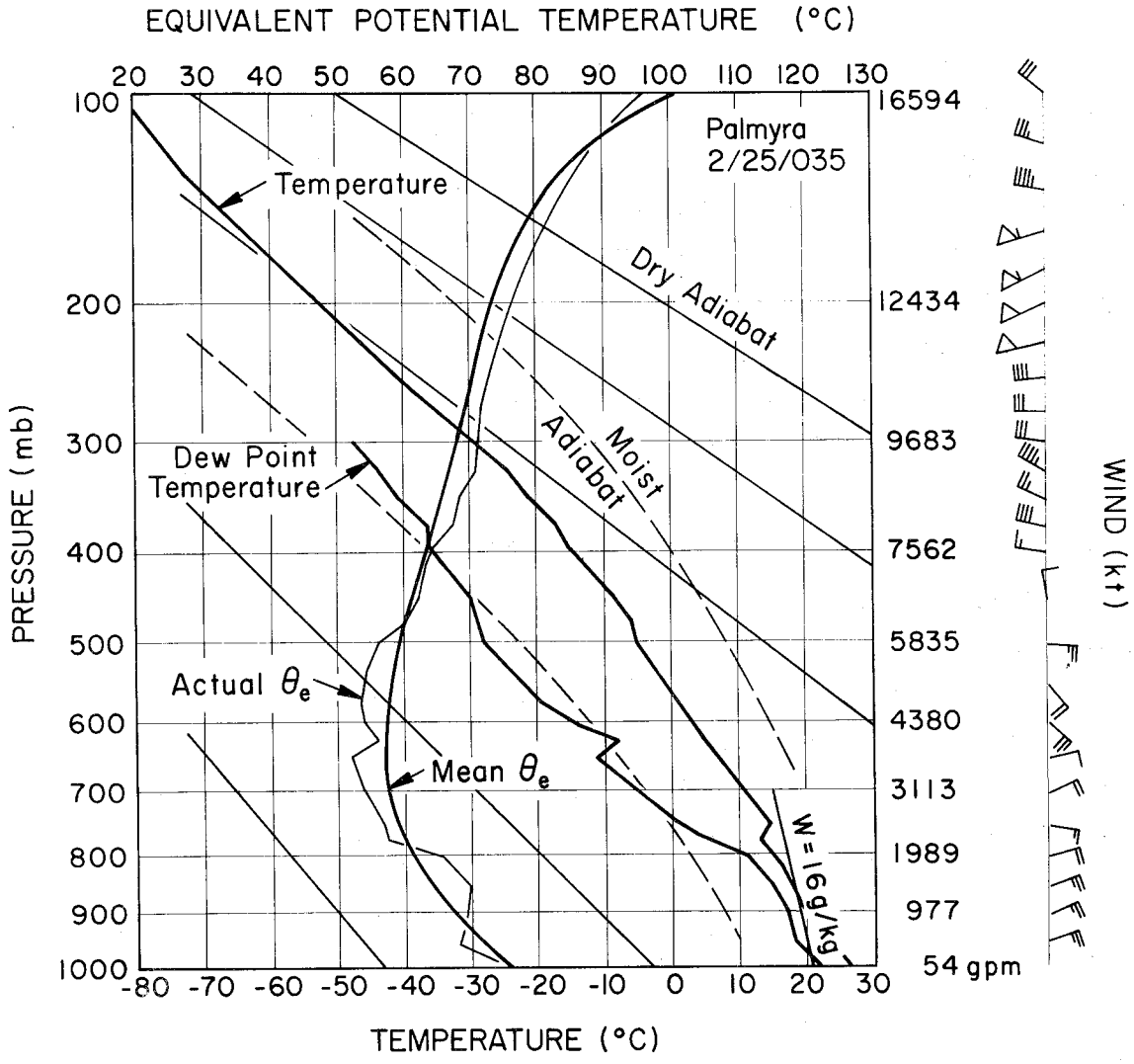



Fig. 13 Example of rawinsonde data plotted on NCAR computer.

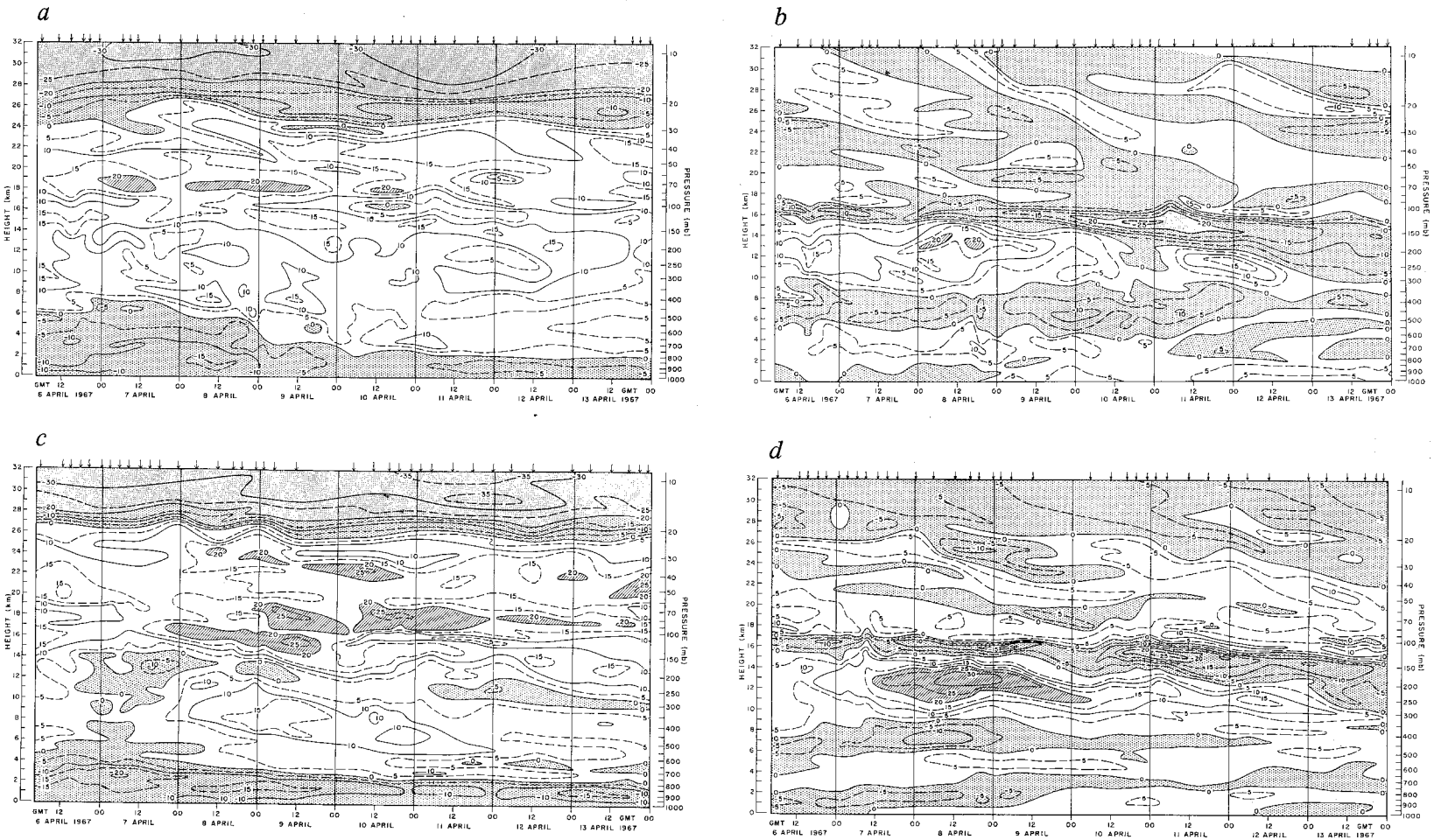



Fig. 14 Vertical time sections of the zonal wind (a) and meridional wind (b) at Palmyra Island, and the zonal wind (c) and meridional wind (d) at Christmas Island. Isotachs are in meters per second. The times of individual rawinsonde releases are given by the arrows along the tops of the sections.

Inquiries concerning any of the LIE data may be addressed to the LIE Data Center, NCAR. Specific requests for magnetic tape data may be directed to D. Joseph; requests for data listed in the other formats may be directed to R. Madden.

# IV. THERMODYNAMIC STATISTICS

## IV. THERMODYNAMIC STATISTICS

Tabulations of period means of the thermodynamic data for each of the islands and for the *Surveyor* are contained in this section. The means tabulated for the islands include all the soundings, while those of the *Surveyor* include only those soundings taken during the period 13-28 March 1967. In addition to the period means, the mean data were computed at 3-hr intervals for each of the islands. Since the 0300, 0900, 1500, and 2100 GMT periods had relatively few soundings, and since these balloon release times are somewhat biased toward periods of disturbed weather, only the 0000, 0600, 1200, and 1800 GMT means are presented here. The diurnal variations evident indicate that the 0000 GMT (1400 local time) soundings tend to show a higher temperature and a lower moisture content than soundings taken at other times. How much of this diurnal variation is real and how much is due to the instrumentation is not known at this time. A number of researchers have made very similar observations with regard to humidity, and it appears likely that the carbon strip hygristor is *not* as well shielded and ventilated as the temperature element, and thus causes a bias toward low humidities when the instrument is exposed to solar radiation. The temperature bias is most obvious at the surface, and it is believed that the thermistor is sufficiently well shielded that the apparent diurnal temperature variations in the free atmosphere are at least partly real. In individual cases where an artificially high surface temperature was recorded, *and no significant level recorded just above the surface*, the temperatures at 1,000, 975, and even at 950 mb, determined by interpolation, may also be biased. Any user who is concerned with the details of the lowest few hundred meters of the soundings is advised to write for significant-level data or for copies of the original recorder records.

Table 2

THERMODYNAMIC STATISTICS, PALMYRA ISLAND

| P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | $\bar{H}$ (gpm) | Number of Observ. |
|---|---|---|---|---|---|---|
| 60 | -65.4 | - | - | - | 19526 | 208 |
| 80 | -74.3 | - | - | - | 17810 | 213 |
| 100 | -78.9 | - | - | - | 16530 | 223 |
| 150 | -67.9 | - | - | - | 14173 | 226 |
| 200 | -54.3 | - | - | - | 12389 | 232 |
| 250 | -42.1 | - | - | - | 10920 | 233 |
| 300 | -31.9 | - | - | - | 9659 | 235 |
| 350 | -23.5 | - | - | - | 8550 | 237 |
| 400 | -16.6 | 32 | 0.8 | 336.5 | 7560 | 241 |
| 450 | -10.8 | 36 | 1.4 | 334.5 | 6664 | 241 |
| 500 | -6.0 | 39 | 2.0 | 332.4 | 5847 | 242 |
| 550 | -1.6 | 43 | 2.7 | 331.1 | 5094 | 243 |
| 600 | 2.2 | 49 | 3.7 | 330.6 | 4395 | 244 |
| 650 | 6.1 | 50 | 4.6 | 330.3 | 3744 | 244 |
| 700 | 9.6 | 51 | 5.5 | 330.4 | 3132 | 245 |
| 750 | 12.7 | 58 | 7.1 | 332.1 | 2556 | 245 |
| 800 | 15.2 | 66 | 9.0 | 334.3 | 2010 | 245 |
| 850 | 17.5 | 74 | 11.2 | 337.3 | 1493 | 245 |
| 900 | 20.0 | 79 | 13.3 | 340.5 | 1001 | 246 |
| 950 | 22.9 | 82 | 15.6 | 344.9 | 530 | 246 |
| 1000 | 26.6 | 78 | 17.3 | 348.9 | 79 | 246 |
| 1009 | 27.3 | 78 | 17.9 | 350.7 | 0 | 246 |

Table 3

THERMODYNAMIC STATISTICS, FANNING ISLAND

| P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | $\bar{H}$ (gpm) | Number of Observ. |
|---|---|---|---|---|---|---|
| 60 | -65.6 | - | - | - | 19520 | 192 |
| 80 | -74.0 | - | - | - | 17805 | 201 |
| 100 | -79.0 | - | - | - | 16526 | 209 |
| 150 | -67.9 | - | - | - | 14171 | 210 |
| 200 | -54.2 | - | - | - | 12386 | 215 |
| 250 | -42.1 | - | - | - | 10916 | 215 |
| 300 | -31.8 | - | - | - | 9654 | 218 |
| 350 | -23.5 | - | - | - | 8546 | 238 |
| 400 | -16.6 | 23 | 0.6 | 335.7 | 7556 | 252 |
| 450 | -10.7 | 21 | 0.8 | 332.8 | 6661 | 256 |
| 500 | -5.8 | 26 | 1.3 | 330.6 | 5843 | 256 |
| 550 | -1.4 | 30 | 1.9 | 328.9 | 5090 | 257 |
| 600 | 2.5 | 35 | 2.7 | 327.8 | 4391 | 257 |
| 650 | 6.4 | 35 | 3.3 | 326.8 | 3740 | 258 |
| 700 | 10.1 | 39 | 4.3 | 327.2 | 3127 | 258 |
| 750 | 13.2 | 45 | 5.6 | 328.3 | 2550 | 259 |
| 800 | 15.7 | 55 | 7.7 | 331.0 | 2005 | 259 |
| 850 | 17.4 | 73 | 10.8 | 336.1 | 1487 | 259 |
| 900 | 19.8 | 79 | 12.9 | 339.1 | 996 | 259 |
| 950 | 22.5 | 82 | 15.2 | 343.4 | 526 | 259 |
| 1000 | 26.4 | 81 | 17.8 | 350.1 | 75 | 259 |
| 1008 | 27.1 | 84 | 19.2 | 354.1 | 0 | 259 |

Table 4

THERMODYNAMIC STATISTICS, CHRISTMAS ISLAND

| P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | $\bar{H}$ (gpm) | Number of Observ. |
|---|---|---|---|---|---|---|
| 60 | -65.8 | - | - | - | 19506 | 222 |
| 80 | -73.3 | - | - | - | 17790 | 232 |
| 100 | -79.1 | - | - | - | 16508 | 234 |
| 150 | -68.0 | - | - | - | 14156 | 236 |
| 200 | -54.6 | - | - | - | 12373 | 238 |
| 250 | -42.7 | - | - | - | 10906 | 240 |
| 300 | -32.6 | - | - | - | 9649 | 241 |
| 350 | -24.1 | - | - | - | 8543 | 241 |
| 400 | -17.0 | 21 | 0.5 | 334.9 | 7555 | 242 |
| 450 | -10.9 | 19 | 0.7 | 332.2 | 6660 | 242 |
| 500 | -5.9 | 21 | 1.0 | 329.6 | 5843 | 243 |
| 550 | -1.6 | 26 | 1.6 | 327.6 | 5090 | 243 |
| 600 | 2.2 | 30 | 2.2 | 326.1 | 4393 | 243 |
| 650 | 6.2 | 31 | 2.8 | 325.3 | 3742 | 243 |
| 700 | 9.9 | 33 | 3.6 | 325.0 | 3130 | 244 |
| 750 | 13.2 | 37 | 4.6 | 325.5 | 2553 | 244 |
| 800 | 15.7 | 44 | 6.1 | 326.5 | 2008 | 244 |
| 850 | 17.2 | 62 | 8.9 | 330.3 | 1491 | 244 |
| 900 | 19.1 | 76 | 11.7 | 334.9 | 1001 | 244 |
| 950 | 21.6 | 82 | 14.2 | 339.3 | 532 | 244 |
| 1000 | 25.4 | 80 | 16.7 | 345.8 | 83 | 244 |
| 1009 | 26.8 | 82 | 18.2 | 351.0 | 0 | 244 |

Table 5

THERMODYNAMIC STATISTICS, *SURVEYOR*

| P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | $\bar{H}$ (gpm) | Number of Observ. |
|---|---|---|---|---|---|---|
| 60 | -65.9 | - | - | - | 19520 | 35 |
| 80 | -73.1 | - | - | - | 17800 | 40 |
| 100 | -78.8 | - | - | - | 16511 | 46 |
| 150 | -68.0 | - | - | - | 14155 | 60 |
| 200 | -54.8 | - | - | - | 12368 | 69 |
| 250 | -42.9 | - | - | - | 10904 | 71 |
| 300 | -33.0 | - | - | - | 9647 | 74 |
| 350 | -24.7 | - | - | - | 8544 | 74 |
| 400 | -17.5 | 31 | 0.8 | 335.0 | 7558 | 76 |
| 450 | -11.5 | 31 | 1.1 | 332.8 | 6665 | 77 |
| 500 | -6.3 | 34 | 1.7 | 331.2 | 5850 | 80 |
| 550 | -2.2 | 47 | 2.9 | 331.0 | 5098 | 81 |
| 600 | 1.7 | 54 | 4.0 | 331.0 | 4401 | 82 |
| 650 | 5.9 | 45 | 4.1 | 328.8 | 3750 | 82 |
| 700 | 9.3 | 50 | 5.4 | 329.6 | 3139 | 83 |
| 750 | 12.3 | 57 | 7.0 | 331.3 | 2563 | 83 |
| 800 | 14.7 | 67 | 9.2 | 334.1 | 2019 | 83 |
| 850 | 17.0 | 78 | 11.6 | 337.8 | 1503 | 83 |
| 900 | 19.7 | 80 | 13.3 | 340.0 | 1011 | 83 |
| 950 | 22.4 | 82 | 15.3 | 343.6 | 542 | 84 |
| 1000 | 25.9 | 81 | 17.6 | 349.0 | 91 | 84 |
| 1010 | 26.6 | 82 | 18.4 | 351.0 | 0 | 84 |

Table 6

MEAN DATA FOR PRIMARY SYNOPTIC TIMES, PALMYRA ISLAND

| 0000 GMT | | | | | | 0600 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. | P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. |
| -64.8 | - | - | - | 38 | 60 | -66.2 | - | - | - | 40 |
| -74.0 | - | - | - | 39 | 80 | -75.0 | - | - | - | 42 |
| -78.4 | - | - | - | 44 | 100 | -79.5 | - | - | - | 43 |
| -67.4 | - | - | - | 44 | 150 | -68.3 | - | - | - | 43 |
| -54.0 | - | - | - | 45 | 200 | -54.5 | - | - | - | 45 |
| -41.6 | - | - | - | 46 | 250 | -42.5 | - | - | - | 45 |
| -31.2 | - | - | - | 46 | 300 | -32.2 | - | - | - | 45 |
| -22.7 | - | - | - | 46 | 350 | -23.9 | - | - | - | 45 |
| -16.0 | 27 | 0.8 | 337.1 | 47 | 400 | -17.0 | 36 | 0.9 | 336.2 | 45 |
| -10.1 | 30 | 1.2 | 334.9 | 47 | 450 | -11.1 | 41 | 1.5 | 334.5 | 45 |
| -5.5 | 31 | 1.6 | 331.8 | 47 | 500 | -6.1 | 46 | 2.2 | 333.2 | 45 |
| -1.3 | 34 | 2.2 | 329.9 | 47 | 550 | -1.7 | 53 | 3.3 | 332.9 | 45 |
| 2.4 | 41 | 3.2 | 329.2 | 47 | 600 | 2.2 | 55 | 4.1 | 332.0 | 45 |
| 6.2 | 44 | 4.1 | 329.0 | 47 | 650 | 6.1 | 55 | 5.0 | 331.8 | 45 |
| 9.7 | 45 | 4.9 | 328.5 | 47 | 700 | 9.9 | 51 | 5.7 | 331.1 | 45 |
| 12.7 | 50 | 6.2 | 329.4 | 47 | 750 | 12.8 | 61 | 7.6 | 333.3 | 45 |
| 15.4 | 54 | 7.5 | 330.0 | 47 | 800 | 15.4 | 68 | 9.5 | 335.7 | 45 |
| 17.4 | 63 | 9.4 | 331.8 | 47 | 850 | 17.6 | 78 | 11.7 | 338.8 | 45 |
| 20.0 | 67 | 11.2 | 334.3 | 47 | 900 | 20.2 | 83 | 13.9 | 342.3 | 45 |
| 22.8 | 73 | 13.6 | 338.9 | 47 | 950 | 23.0 | 85 | 16.2 | 346.4 | 45 |
| 27.1 | 71 | 16.4 | 346.8 | 47 | 1000 | 26.4 | 80 | 17.7 | 349.3 | 45 |

Table 6 (cont.)

| 1200 GMT | | | | | | 1800 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. | P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. |
| -66.3 | - | - | - | 41 | 60 | -64.3 | - | - | - | 40 |
| -74.7 | - | - | - | 42 | 80 | -74.1 | - | - | - | 40 |
| -79.8 | - | - | - | 43 | 100 | -78.3 | - | - | - | 40 |
| -68.3 | - | - | - | 43 | 150 | -67.9 | - | - | - | 42 |
| -54.5 | - | - | - | 44 | 200 | -54.3 | - | - | - | 43 |
| -42.4 | - | - | - | 44 | 250 | -42.3 | - | - | - | 43 |
| -32.3 | - | - | - | 45 | 300 | -32.0 | - | - | - | 43 |
| -23.6 | - | - | - | 45 | 350 | -23.6 | - | - | - | 43 |
| -16.6 | 36 | 1.0 | 336.8 | 48 | 400 | -16.8 | 29 | 0.7 | 336.0 | 43 |
| -11.0 | 41 | 1.5 | 334.6 | 48 | 450 | -10.9 | 33 | 1.2 | 333.9 | 43 |
| -6.3 | 45 | 2.1 | 332.7 | 48 | 500 | -6.3 | 36 | 1.7 | 331.2 | 43 |
| -1.7 | 50 | 3.1 | 332.2 | 48 | 550 | -2.0 | 42 | 2.6 | 330.3 | 44 |
| 2.2 | 52 | 3.9 | 331.2 | 48 | 600 | 1.8 | 52 | 3.8 | 330.4 | 45 |
| 6.2 | 51 | 4.7 | 330.9 | 48 | 650 | 5.5 | 55 | 4.9 | 330.5 | 45 |
| 9.6 | 58 | 6.3 | 332.4 | 48 | 700 | 9.1 | 54 | 5.6 | 329.9 | 46 |
| 12.8 | 66 | 8.3 | 335.4 | 48 | 750 | 12.3 | 58 | 7.0 | 331.3 | 46 |
| 15.2 | 76 | 10.4 | 337.9 | 48 | 800 | 15.0 | 65 | 8.8 | 333.2 | 46 |
| 17.6 | 82 | 12.4 | 340.6 | 48 | 850 | 17.4 | 75 | 11.1 | 336.6 | 46 |
| 20.2 | 88 | 14.8 | 344.8 | 48 | 900 | 19.9 | 79 | 13.0 | 339.2 | 47 |
| 23.1 | 90 | 17.1 | 349.2 | 48 | 950 | 22.7 | 82 | 15.2 | 343.3 | 47 |
| 26.4 | 83 | 18.3 | 351.2 | 48 | 1000 | 26.1 | 79 | 17.1 | 347.4 | 47 |

Table 7

MEAN DATA FOR PRIMARY SYNOPTIC TIMES, FANNING ISLAND

| 0000 GMT | | | | | | 0600 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. | P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. |
| -65.3 | - | - | - | 46 | 60 | -66.4 | - | - | - | 20 |
| -73.4 | - | - | - | 47 | 80 | -75.0 | - | - | - | 23 |
| -78.2 | - | - | - | 48 | 100 | -80.2 | - | - | - | 25 |
| -67.2 | - | - | - | 48 | 150 | -68.6 | - | - | - | 26 |
| -53.7 | - | - | - | 48 | 200 | -54.6 | - | - | - | 29 |
| -41.4 | - | - | - | 48 | 250 | -42.3 | - | - | - | 29 |
| -31.2 | - | - | - | 48 | 300 | -31.9 | - | - | - | 30 |
| -22.9 | - | - | - | 48 | 350 | -23.7 | - | - | - | 42 |
| -16.1 | 19 | 0.5 | 336.0 | 48 | 400 | -16.8 | 29 | 0.7 | 336.0 | 48 |
| -10.2 | 18 | 0.7 | 333.2 | 48 | 450 | -10.7 | 23 | 0.9 | 332.9 | 49 |
| -5.2 | 22 | 1.1 | 330.6 | 48 | 500 | -5.8 | 28 | 1.4 | 330.8 | 49 |
| -0.9 | 25 | 1.6 | 328.6 | 48 | 550 | -1.4 | 30 | 1.9 | 329.0 | 49 |
| 3.0 | 28 | 2.2 | 327.0 | 48 | 600 | 2.5 | 37 | 2.8 | 328.4 | 49 |
| 7.0 | 27 | 2.6 | 325.5 | 48 | 650 | 6.4 | 37 | 3.5 | 327.4 | 49 |
| 10.7 | 31 | 3.6 | 325.8 | 48 | 700 | 10.2 | 40 | 4.5 | 328.0 | 49 |
| 13.7 | 35 | 4.6 | 325.9 | 48 | 750 | 13.3 | 48 | 6.2 | 330.0 | 49 |
| 15.8 | 45 | 6.5 | 327.5 | 48 | 800 | 15.9 | 61 | 8.7 | 334.0 | 49 |
| 17.5 | 63 | 9.5 | 332.3 | 48 | 850 | 17.5 | 81 | 12.2 | 339.9 | 49 |
| 20.0 | 68 | 11.4 | 335.0 | 48 | 900 | 19.9 | 87 | 14.2 | 342.7 | 49 |
| 22.8 | 73 | 13.7 | 339.2 | 48 | 950 | 22.6 | 88 | 16.2 | 346.2 | 49 |
| 27.3 | 70 | 16.5 | 347.3 | 48 | 1000 | 26.2 | 84 | 18.4 | 351.3 | 49 |

Table 7 (cont.)

| 1200 GMT | | | | | | 1800 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. | P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. |
| -66.4 | - | - | - | 41 | 60 | -64.9 | - | - | - | 24 |
| -74.7 | - | - | - | 41 | 80 | -74.0 | - | - | - | 26 |
| -79.9 | - | - | - | 45 | 100 | -78.6 | - | - | - | 26 |
| -68.2 | - | - | - | 45 | 150 | -67.9 | - | - | - | 26 |
| -54.6 | - | - | - | 45 | 200 | -54.3 | - | - | - | 28 |
| -42.5 | - | - | - | 45 | 250 | -42.1 | - | - | - | 28 |
| -32.2 | - | - | - | 45 | 300 | -31.8 | - | - | - | 29 |
| -23.9 | - | - | - | 45 | 350 | -23.6 | - | - | - | 36 |
| -16.9 | 25 | 0.6 | 335.4 | 45 | 400 | -16.8 | 23 | 0.6 | 335.5 | 44 |
| -11.0 | 24 | 0.9 | 332.6 | 46 | 450 | -10.8 | 23 | 0.8 | 332.7 | 46 |
| -6.2 | 31 | 1.5 | 330.7 | 46 | 500 | -5.9 | 25 | 1.3 | 330.3 | 46 |
| -1.9 | 36 | 2.2 | 329.2 | 46 | 550 | -1.4 | 31 | 2.0 | 329.1 | 47 |
| 2.1 | 42 | 3.1 | 328.7 | 46 | 600 | 2.3 | 37 | 2.8 | 328.0 | 47 |
| 6.1 | 40 | 3.7 | 327.7 | 47 | 650 | 6.1 | 39 | 3.6 | 327.4 | 47 |
| 9.7 | 43 | 4.6 | 327.8 | 47 | 700 | 9.9 | 43 | 4.8 | 328.3 | 47 |
| 12.9 | 50 | 6.3 | 329.7 | 47 | 750 | 13.0 | 48 | 6.0 | 329.2 | 47 |
| 15.3 | 61 | 8.5 | 332.8 | 47 | 800 | 15.6 | 57 | 8.1 | 331.9 | 47 |
| 17.1 | 80 | 11.6 | 337.8 | 47 | 850 | 17.2 | 74 | 10.8 | 335.7 | 47 |
| 19.6 | 84 | 13.6 | 340.5 | 47 | 900 | 19.6 | 79 | 12.7 | 338.1 | 47 |
| 22.3 | 88 | 15.9 | 344.7 | 47 | 950 | 22.3 | 83 | 15.1 | 342.5 | 47 |
| 25.6 | 88 | 18.6 | 351.0 | 47 | 1000 | 26.0 | 81 | 17.4 | 348.1 | 47 |

Table 8

MEAN DATA FOR PRIMARY SYNOPTIC TIMES, CHRISTMAS ISLAND

| 0000 GMT | | | | | | 0600 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. | P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. |
| -65.6 | - | - | - | 42 | 60 | -66.0 | - | - | - | 41 |
| -72.7 | - | - | - | 42 | 80 | -73.9 | - | - | - | 41 |
| -78.8 | - | - | - | 42 | 100 | -79.6 | - | - | - | 42 |
| -67.5 | - | - | - | 42 | 150 | -68.0 | - | - | - | 43 |
| -54.0 | - | - | - | 42 | 200 | -54.6 | - | - | - | 43 |
| -42.1 | - | - | - | 43 | 250 | -42.6 | - | - | - | 43 |
| -31.9 | - | - | - | 43 | 300 | -32.5 | - | - | - | 43 |
| -23.4 | - | - | - | 43 | 350 | -24.0 | - | - | - | 43 |
| -16.2 | 18 | 0.5 | 335.7 | 43 | 400 | -16.9 | 23 | 0.6 | 335.2 | 43 |
| -10.2 | 18 | 0.7 | 333.0 | 43 | 450 | -10.8 | 21 | 0.8 | 332.6 | 43 |
| -5.3 | 18 | 1.0 | 330.0 | 43 | 500 | -5.8 | 23 | 1.1 | 330.0 | 44 |
| -0.9 | 22 | 1.4 | 327.9 | 43 | 550 | -1.4 | 27 | 1.7 | 328.2 | 44 |
| 2.8 | 25 | 1.9 | 325.9 | 43 | 600 | 2.4 | 32 | 2.4 | 326.9 | 44 |
| 6.9 | 26 | 2.5 | 325.1 | 43 | 650 | 6.4 | 34 | 3.2 | 326.4 | 44 |
| 10.5 | 29 | 3.3 | 324.6 | 44 | 700 | 10.0 | 37 | 4.1 | 326.5 | 44 |
| 13.8 | 33 | 4.4 | 325.5 | 44 | 750 | 13.5 | 40 | 5.2 | 327.4 | 44 |
| 16.4 | 38 | 5.6 | 325.9 | 44 | 800 | 15.8 | 49 | 7.0 | 329.1 | 44 |
| 17.8 | 51 | 7.8 | 327.9 | 44 | 850 | 17.6 | 64 | 9.7 | 332.9 | 44 |
| 19.8 | 62 | 10.1 | 331.0 | 44 | 900 | 19.4 | 80 | 12.8 | 338.1 | 44 |
| 21.9 | 69 | 12.3 | 334.4 | 44 | 950 | 21.9 | 88 | 15.5 | 343.2 | 44 |
| 26.0 | 68 | 14.7 | 340.8 | 44 | 1000 | 25.2 | 86 | 17.6 | 347.9 | 44 |

Table 8 (cont.)

| 1200 GMT | | | | | | 1800 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. | P (mb) | $\bar{T}$ (°C) | $\overline{RH}$ (%) | $\bar{W}$ (g/kg) | $\bar{\theta}_e$ (°K) | Number of Observ. |
| -66.5 | - | - | - | 44 | 60 | -65.0 | - | - | - | 40 |
| -74.3 | - | - | - | 44 | 80 | -72.5 | - | - | - | 42 |
| -79.9 | - | - | - | 44 | 100 | -78.6 | - | - | - | 42 |
| -68.9 | - | - | - | 44 | 150 | -67.8 | - | - | - | 42 |
| -55.4 | - | - | - | 44 | 200 | -54.5 | - | - | - | 43 |
| -43.5 | - | - | - | 44 | 250 | -42.7 | - | - | - | 43 |
| -33.3 | - | - | - | 45 | 300 | -32.5 | - | - | - | 43 |
| -24.8 | - | - | - | 45 | 350 | -24.2 | - | - | - | 43 |
| -17.8 | 24 | 0.6 | 334.0 | 45 | 400 | -17.2 | 21 | 0.5 | 334.6 | 43 |
| -11.7 | 20 | 0.7 | 331.1 | 45 | 450 | -11.1 | 19 | 0.7 | 331.9 | 43 |
| -6.8 | 22 | 1.0 | 328.4 | 45 | 500 | -6.2 | 22 | 1.0 | 329.1 | 43 |
| -2.5 | 29 | 1.7 | 326.8 | 45 | 550 | -1.9 | 25 | 1.5 | 326.9 | 43 |
| 1.4 | 34 | 2.4 | 325.7 | 45 | 600 | 2.0 | 29 | 2.2 | 325.6 | 43 |
| 5.4 | 35 | 3.0 | 324.9 | 45 | 650 | 5.9 | 31 | 2.8 | 324.6 | 43 |
| 9.0 | 37 | 3.9 | 324.6 | 45 | 700 | 9.7 | 32 | 3.5 | 324.5 | 43 |
| 12.5 | 38 | 4.7 | 324.7 | 45 | 750 | 12.9 | 36 | 4.5 | 324.6 | 43 |
| 15.0 | 44 | 6.0 | 325.2 | 45 | 800 | 15.3 | 42 | 5.8 | 325.1 | 43 |
| 16.5 | 66 | 9.3 | 330.6 | 45 | 850 | 16.4 | 68 | 9.5 | 330.9 | 43 |
| 18.1 | 87 | 12.8 | 336.6 | 45 | 900 | 18.5 | 79 | 11.9 | 334.5 | 43 |
| 20.8 | 91 | 15.0 | 340.4 | 45 | 950 | 21.1 | 83 | 14.0 | 338.2 | 43 |
| 24.7 | 87 | 17.3 | 346.4 | 45 | 1000 | 25.2 | 82 | 16.9 | 345.8 | 43 |

# V. DATA RELIABILITY AND LIMITATIONS

## V. DATA RELIABILITY AND LIMITATIONS

The preceding sections discuss the data reduction procedures and many of the factors bearing on data reliability. Here we present further background information and some specific comments about the reliability and limitations of the rawinsonde data tabulated in the appendixes.

A description of the rawinsonde release sites and of the GMD equipment is contained in LIE Report No. 1. Using sling psychrometers at these sites, rawinsonde operators obtained surface temperature and relative humidity data, which are listed with the thermodynamic data. The errors introduced by this procedure can be significant, especially during the daylight hours. If a significant level is recorded just above the surface, these errors can be essentially eliminated in the tabulations even by the 1,000-mb level. On the other hand, if the first significant level is not recorded until well above the surface, errors introduced by the surface observation will be present (although diminishing with height) up to that level. We see no objective procedure to correct the data for this error. Investigators who are concerned with the details of the temperature and humidity structure of the sub-cloud layer have several recourses. First, the significant-level data are available on microfilm. Second, copies of the original recorder records can be obtained for contact-by-contact evaluation. Third, and perhaps most important for those who are interested in estimating *time rates of change* of temperature and humidity, surface data at carefully selected observing sites near the rawinsonde release points are available. Hourly tabulations are included in LIE Report No. 1, and copies of all autographic records for all islands are available in two microfilm rolls. While these surface data also contain errors, they have the great advantage of consistency, and time rates of change can be evaluated with considerable success.

The upper air temperatures and relative humidities are subject to many possible errors, as discussed in Sect. II. It is our subjective judgment that, in spite of these many contributing error sources, the random errors in upper air temperatures are limited to within ±0.5°C

in the troposphere for 90% of the cases. This figure may increase to about ±1°C in the stratosphere where there are often rapid vertical temperature changes; such changes are apt to be neglected to some degree when data are recorded at significant levels.

We believe that most of the *random* errors in humidity are limited to ±10%. (This does not apply to high levels, where moisture parameters are generally regarded as unreliable at temperatures less than -40°C.) The *systematic* errors in humidity are particularly troublesome, however. Like the temperature data, humidity data near the surface are subject to error caused by the use of sling psychrometers for the surface measurements. These errors are more or less proportional to the intensity of solar heating of the area of the observing site. In contrast to the temperature errors, which are *greatly* reduced at the first significant level, it is clear that heating of the poorly ventilated humidity element produces a spuriously low relative humidity measurement that is serious enough to introduce an artificial component of at least 10% in the diurnal variation of relative humidity.[5]

The heights of constant pressure surfaces have errors that begin with surface pressure errors and accumulate with height in proportion to integrated errors in mean vertical temperature (Fig. 15). Surface pressure data are taken from LIE Report No. 1, and although pressure changes with time at a given island are probably very accurate, inter-island comparisons could have errors as large as 1 mb. (Such errors would be systematic and invariant with time.) Even though errors in heights of pressure surfaces are small by higher latitude standards, because of the proximity of the Line Islands to the equator, it remains to be seen whether the LIE height data are at all useful. For example, a systematic error in mean virtual temperature of 0.5°C leads to a height error of about 10 gpm at 500 mb and 30 gpm by 200 mb. Fortunately, most soundings do not have such serious errors.

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[5]See Teweles, S., 1970: A spurious diurnal variation in radiosonde humidity reports. *Bull. Am. Meteorol. Soc. 51(9)*, 836-840; and Morrissey, J. F. and F. J. Brousaides, 1970: Temperature-induced errors in the ML-476 humidity data. *J. Appl. Meteorol. 9(5)*, 805-808.

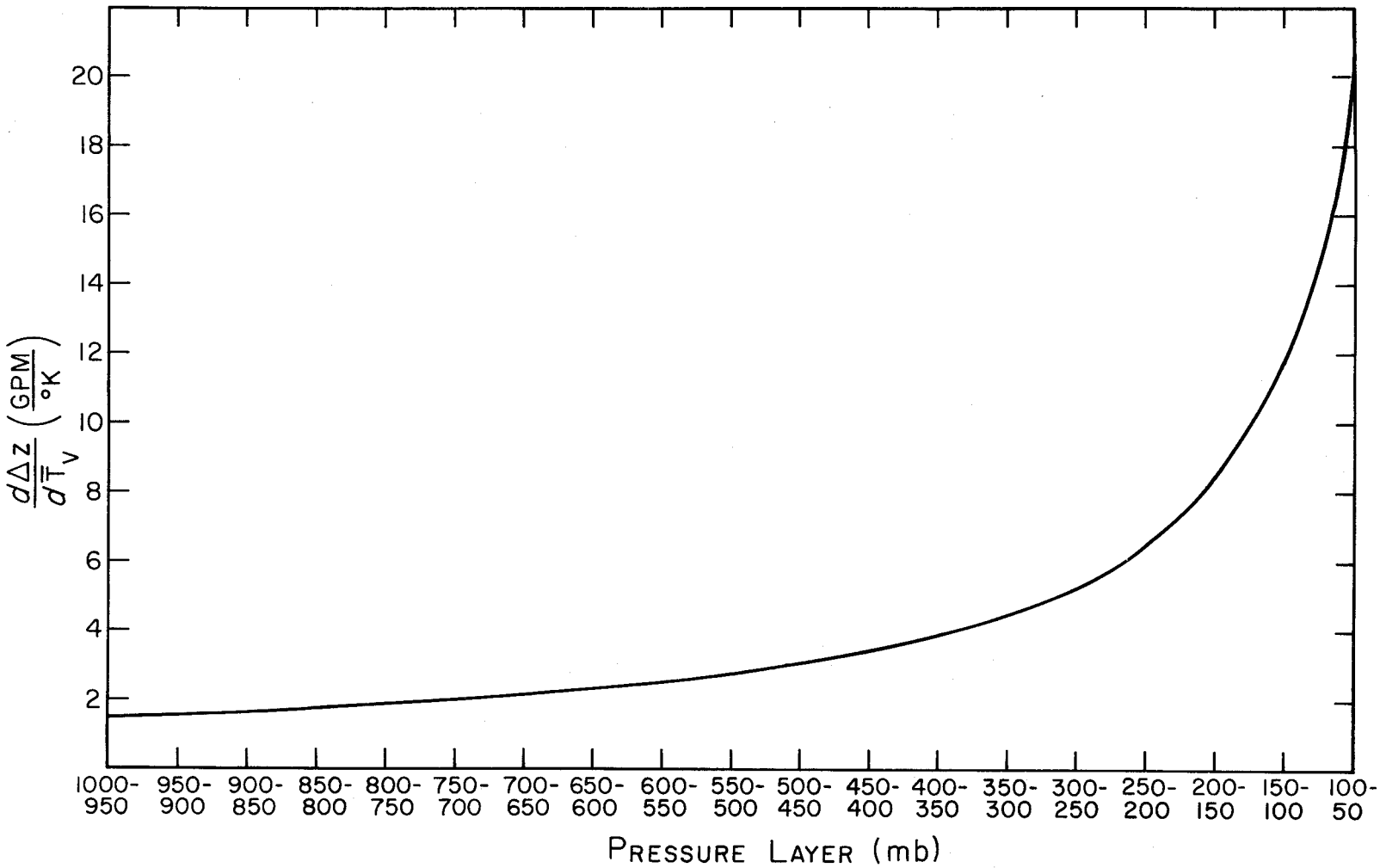



Fig. 15 The change in thickness (gpm) of a pressure layer resulting from a 1°K change in the mean virtual temperature of the layer.

Some investigators will find the vertical resolution of thermodynamic tabulations more than adequate, but many will need to know how much additional detail is available. In reducing the data from the strip charts (manually), more than the customary care was exercised to record all significant levels. An average of 30 significant levels was recorded for the LIE soundings between the surface and 60 mb. Figure 16 shows frequency distributions of the difference between temperatures actually recorded at significant levels and the temperatures at those same levels that would be interpolated from the data tabulations in the appendixes. Clearly, these differences are very serious in the stratosphere, but surprisingly minor near the "trade inversion," and mostly negligible in the middle troposphere. Nevertheless, many investigators will wish to write for copies of either the significant-level data or the original records.

Figure 14 is presented to attest to the reliability of the mesoscale wind components as computed by the methods discussed in Sect. I. The hodograph of the meso-pass filtered winds presented in Fig. 8 illustrates the undulations in the wind speed and direction over Christmas Island at 1650 GMT on 8 April. The data from this sounding are included in the third from last Christmas sounding for 8 April, presented in the vertical time sections of Fig. 14. Here both time and space continuity of these undulations are illustrated, attesting further to their reality.

Readers are cautioned that the representativeness of the mesoscale structures of the winds is somewhat degraded in the stratosphere, for reasons discussed in Sect. I. As pointed out in that discussion, the great bulk of the data does not suffer from the occurrence of low elevation angles since the sonde is first carried to the west by low level easterlies and then to the east by upper level westerlies. The distance of the sonde from the antenna is rarely large enough to result in low elevation angles; however, the sonde is occasionally carried almost directly over the antenna as a result of the reversal of wind direction. Because of rapid changes in both elevation and azimuth at these times,

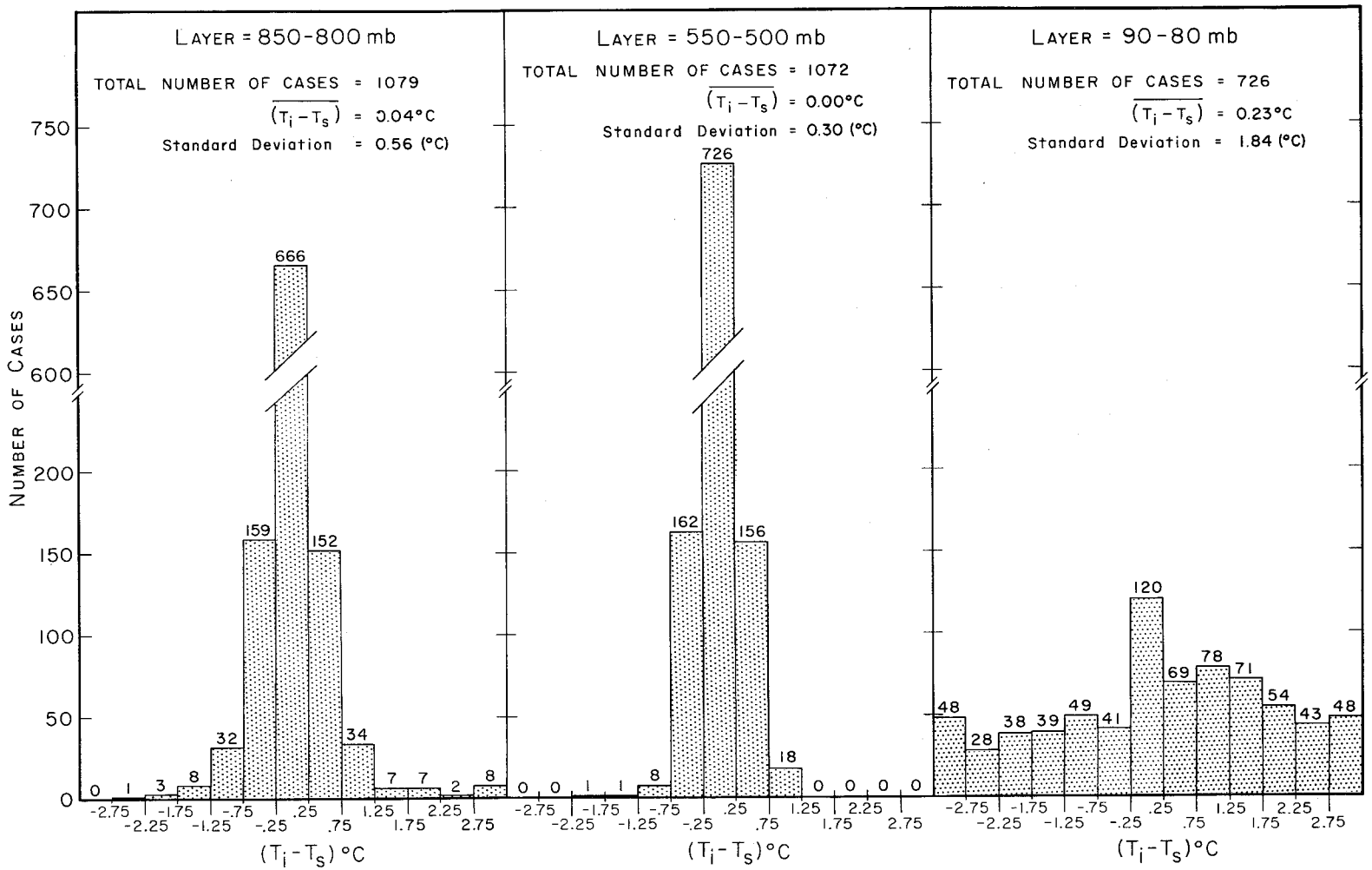



Fig. 16 Frequency distributions of the difference between temperatures actually recorded at significant levels ($T_s$) and the temperatures at those same levels that would be interpolated ($T_i$) from the data tabulations in the appendixes. These distributions are a measure of the precision with which the tabulated soundings reproduce the details available in the significant level data.

the track of the sonde can be poor, and angles are not recorded. The resulting winds are based on interpolated angles (these winds are indicated by the interpolation flag to be explained in Sect. II of Vol. II).

Although the upper level wind data from the Line Islands themselves appear to be very reliable in their detail, a similar conclusion cannot be drawn concerning the upper level wind data from the *Surveyor*. These data were determined by rabals (i.e., balloon-borne radiosondes tracked visually with a theodolite). Quite frequently the balloon is lost behind a cumulus cloud before it reaches a height of 2 or 3 km, and it is only rarely that a track is maintained to 5 km. The azimuth and elevation angles are sampled only once per minute. Probably the most significant sources of error are inaccuracies in determining ship heading and speed. The soundings showing strongest easterly winds immediately above the surface are thought to reflect this class of error.

# VI. PRESENTATION OF THE THERMODYNAMIC DATA

## VI. PRESENTATION OF THE THERMODYNAMIC DATA

To facilitate cross reference between this volume and Vol. II (wind data), the thermodynamic data are arranged in four appendixes. Appendix A contains thermodynamic data from Palmyra, Fanning, and Christmas Islands. Pressure (P), temperature (T), relative humidity (RH), mixing ratio (W), equivalent potential temperature (EPT), and geopotential height (H) are tabulated for each sounding from the surface to 60 mb. The month, day, hour, and minute of balloon release is printed above each sounding. An "M" represents missing data. Appendix A of Vol. II contains the corresponding upper wind data from the three islands arranged in identical page sequence to the entries of Appendix A in this volume.

Appendix B contains the day-to-day positions of the *Surveyor*, followed by the thermodynamic data below 60 mb obtained from the shipboard soundings. The corresponding upper wind data from the *Surveyor* are tabulated in Appendix B, Vol. II; the page sequence is similar but not identical.

Appendix C contains pressure, temperature, and equivalent potential temperature (since moisture content is nearly zero, this is equivalent to both partial potential temperature and potential temperature), and geopotential height for each sounding from 60 mb to termination, from the three islands. Appendix C of Vol. II contains the corresponding upper wind data above 60 mb from the three islands.

Appendix D contains similar thermodynamic data above 60 mb from the *Surveyor*. Since the radiosonde balloons were visually tracked aboard the *Surveyor* there are no corresponding upper wind data above 60 mb contained in Vol. II.

# APPENDIX A: THERMODYNAMIC DATA BELOW 60 mb

Palmyra Island . . . . . .
Fanning Island . . . . . .
Christmas Island . . . . . .

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 2/25 0035 GMT T | RH | W | EPT | H | 2/25 1258 GMT T | RH | W | EPT | H | 2/26 017 GMT T | RH | W | EPT | H | 2/26 12 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.9 | 0 | 0.0 | 461.1 | 19578 | -68.1 | 0 | 0.0 | 458.5 | 19484 | -69.7 | 0 | 0.0 | 455.0 | 19473 | -70.7 | 0 | 0.0 | 452.7 | 19505 | 60 |
| 70 | -71.7 | 0 | 0.0 | 431.0 | 18658 | -71.5 | 0 | 0.0 | 431.4 | 18564 | -70.8 | 0 | 0.0 | 432.9 | 18552 | -74.0 | 0 | 0.0 | 426.1 | 18593 | 70 |
| 80 | -72.0 | 0 | 0.0 | 414.2 | 17869 | -77.2 | 0 | 0.0 | 403.5 | 17792 | -75.5 | 0 | 0.0 | 407.1 | 17771 | -78.1 | 0 | 0.0 | 401.6 | 17826 | 80 |
| 90 | -79.7 | 0 | 0.0 | 385.1 | 17187 | -85.4 | 0 | 0.0 | 373.8 | 17122 | -78.2 | 0 | 0.0 | 388.2 | 17094 | -79.8 | 0 | 0.0 | 385.1 | 17156 | 90 |
| 100 | -81.7 | 18 | .0 | 369.9 | 16594 | -84.6 | 23 | .0 | 364.3 | 16541 | -80.6 | 44 | .0 | 372.0 | 16496 | -81.2 | 0 | 0.0 | 370.9 | 16562 | 100 |
| 110 | -78.4 | 18 | .0 | 366.2 | 16055 | -81.1 | 23 | .0 | 361.0 | 16010 | -80.9 | 44 | .0 | 361.5 | 15961 | -78.9 | 0 | 0.0 | 365.2 | 16023 | 110 |
| 120 | -75.3 | 18 | .0 | 362.8 | 15554 | -78.0 | 23 | .0 | 358.0 | 15517 | -78.0 | 44 | .0 | 357.9 | 15467 | -76.8 | 0 | 0.0 | 360.1 | 15525 | 120 |
| 130 | -72.6 | 18 | .0 | 359.6 | 15087 | -74.7 | 23 | .0 | 355.7 | 15055 | -75.0 | 44 | .0 | 355.2 | 15006 | -74.9 | 0 | 0.0 | 355.4 | 15063 | 130 |
| 140 | -69.5 | 18 | .0 | 357.5 | 14649 | -71.0 | 22 | .0 | 354.7 | 14621 | -72.2 | 44 | .0 | 352.7 | 14573 | -71.3 | 0 | 0.0 | 354.2 | 14629 | 140 |
| 150 | -66.3 | 18 | .0 | 356.0 | 14234 | -67.6 | 21 | .0 | 353.7 | 14209 | -68.6 | 44 | .0 | 352.1 | 14164 | -67.8 | 0 | 0.0 | 353.3 | 14217 | 150 |
| 160 | -63.3 | 18 | .0 | 354.6 | 13840 | -64.4 | 21 | .0 | 352.7 | 13817 | -65.1 | 44 | .0 | 351.4 | 13774 | -64.6 | 0 | 0.0 | 352.3 | 13826 | 160 |
| 170 | -60.4 | 18 | .0 | 353.2 | 13465 | -61.4 | 20 | .0 | 351.6 | 13444 | -61.9 | 44 | .0 | 350.7 | 13402 | -61.5 | 0 | 0.0 | 351.4 | 13453 | 170 |
| 180 | -57.8 | 18 | .0 | 351.8 | 13107 | -58.5 | 20 | .0 | 350.6 | 13087 | -58.9 | 44 | .0 | 350.0 | 13045 | -58.4 | 0 | 0.0 | 350.6 | 13096 | 180 |
| 190 | -55.2 | 18 | .0 | 350.6 | 12764 | -55.8 | 19 | .0 | 349.6 | 12745 | -56.1 | 44 | .0 | 349.3 | 12704 | -55.5 | 0 | 0.0 | 350.0 | 12754 | 190 |
| 200 | -52.5 | 18 | .0 | 349.7 | 12434 | -53.2 | 19 | .0 | 348.6 | 12417 | -53.3 | 43 | .1 | 348.6 | 12376 | -52.7 | 0 | 0.0 | 349.3 | 12425 | 200 |
| 225 | -46.3 | 18 | .0 | 347.8 | 11663 | -47.0 | 18 | .0 | 346.6 | 11648 | -47.1 | 43 | .1 | 346.8 | 11607 | -46.3 | 0 | 0.0 | 347.5 | 11654 | 225 |
| 250 | -40.4 | 17 | .1 | 346.3 | 10954 | -41.2 | 18 | .1 | 345.2 | 10941 | -41.6 | 47 | .2 | 345.0 | 10901 | -40.6 | 0 | 0.0 | 345.7 | 10945 | 250 |
| 275 | -35.1 | 16 | .1 | 344.9 | 10297 | -35.9 | 18 | .1 | 343.8 | 10286 | -36.6 | 50 | .3 | 343.4 | 10247 | -35.4 | M | M | M | 10289 | 275 |
| 300 | -29.6 | 16 | .2 | 344.4 | 9683 | -30.7 | 17 | .2 | 342.9 | 9675 | -32.1 | 53 | .5 | 342.0 | 9638 | -30.5 | M | M | M | 9677 | 300 |
| 325 | -24.2 | 15 | .2 | 344.3 | 9106 | -25.5 | 15 | .2 | 342.5 | 9100 | -27.9 | 56 | .7 | 340.7 | 9068 | -25.5 | M | M | M | 9102 | 325 |
| 350 | -20.9 | 15 | .3 | 341.8 | 8562 | -21.1 | 14 | .3 | 341.5 | 8558 | -24.1 | 58 | .9 | 339.7 | 8531 | -21.2 | M | M | M | 8560 | 350 |
| 375 | -17.0 | 17 | .5 | 341.0 | 8048 | -17.7 | 16 | .4 | 339.7 | 8045 | -20.5 | 61 | 1.2 | 339.0 | 8023 | -18.1 | M | M | M | 8047 | 375 |
| 400 | -14.7 | 15 | .5 | 337.7 | 7562 | -14.8 | 18 | .5 | 337.9 | 7560 | -17.1 | 63 | 1.6 | 338.4 | 7542 | -15.8 | 71 | 2.0 | 341.5 | 7563 | 400 |
| 425 | -11.6 | 16 | .6 | 336.4 | 7101 | -12.6 | 16 | .5 | 334.9 | 7099 | -13.9 | 65 | 2.0 | 338.1 | 7084 | -13.3 | 78 | 2.5 | 340.6 | 7104 | 425 |
| 450 | -8.1 | 16 | .7 | 335.7 | 6659 | -8.5 | 13 | .6 | 334.8 | 6659 | -10.9 | 67 | 2.5 | 338.0 | 6647 | -10.6 | 54 | 2.0 | 337.1 | 6666 | 450 |
| 475 | -5.8 | 14 | .8 | 333.6 | 6238 | -6.1 | 11 | .6 | 332.7 | 6238 | -8.1 | 69 | 3.0 | 338.1 | 6228 | -8.2 | 82 | 3.6 | 339.7 | 6248 | 475 |
| 500 | -4.9 | 15 | .8 | 329.8 | 5835 | -6.5 | 33 | 1.6 | 330.5 | 5836 | -4.6 | 87 | 4.8 | 343.2 | 5826 | -5.2 | 72 | 3.7 | 339.2 | 5847 | 500 |
| 525 | -3.0 | 16 | .9 | 328.2 | 5450 | -3.9 | 16 | .9 | 326.8 | 5454 | -3.1 | 99 | 5.8 | 343.4 | 5440 | -2.5 | 78 | 4.8 | 341.2 | 5461 | 525 |
| 550 | -.7 | 17 | 1.1 | 327.4 | 5080 | -1.8 | 31 | 1.9 | 328.5 | 5085 | -1.6 | 99 | 6.1 | 341.8 | 5069 | -1.8 | 94 | 5.7 | 340.3 | 5091 | 550 |
| 575 | 1.5 | 19 | 1.4 | 326.7 | 4724 | .4 | 21 | 1.4 | 325.5 | 4730 | -.2 | 99 | 6.5 | 340.4 | 4714 | -.3 | 79 | 5.1 | 336.1 | 4735 | 575 |
| 600 | 3.5 | 24 | 2.0 | 327.0 | 4380 | 2.5 | 11 | .9 | 322.1 | 4388 | 1.2 | 98 | 6.9 | 339.0 | 4371 | 1.4 | 89 | 6.3 | 337.5 | 4393 | 600 |
| 625 | 4.9 | 40 | 3.4 | 329.3 | 4048 | 3.8 | 36 | 2.9 | 326.3 | 4057 | 2.5 | 98 | 7.2 | 337.6 | 4041 | 3.4 | 89 | 7.0 | 338.1 | 4062 | 625 |
| 650 | 7.0 | 26 | 2.5 | 325.2 | 3727 | 6.4 | 20 | 1.9 | 322.4 | 3737 | 3.7 | 98 | 7.6 | 336.4 | 3722 | 5.9 | 81 | 7.2 | 338.0 | 3742 | 650 |
| 675 | 9.0 | 30 | 3.2 | 326.0 | 3416 | 8.4 | 18 | 1.8 | 321.1 | 3427 | 6.2 | 96 | 8.5 | 338.3 | 3414 | 7.9 | 65 | 6.5 | 334.8 | 3431 | 675 |
| 700 | 11.0 | 33 | 3.9 | 327.1 | 3113 | 10.4 | 15 | 1.7 | 319.6 | 3125 | 5.5 | 93 | 7.6 | 331.3 | 3115 | 8.5 | 77 | 7.7 | 335.5 | 3130 | 700 |
| 725 | 12.9 | 36 | 4.7 | 328.4 | 2819 | 12.3 | 13 | 1.5 | 318.1 | 2833 | 10.5 | 96 | 10.6 | 342.8 | 2825 | 10.3 | 93 | 10.1 | 341.2 | 2838 | 725 |
| 750 | 14.8 | 39 | 5.5 | 329.9 | 2534 | 12.7 | 68 | 8.4 | 335.9 | 2548 | 12.3 | 95 | 11.6 | 344.4 | 2540 | 12.2 | 99 | 11.9 | 345.2 | 2554 | 750 |
| 775 | 13.2 | 60 | 7.4 | 330.5 | 2257 | 14.1 | 90 | 11.8 | 344.2 | 2272 | 13.6 | 96 | 12.3 | 344.8 | 2264 | 13.5 | 99 | 12.6 | 345.5 | 2277 | 775 |
| 800 | 15.3 | 76 | 10.4 | 338.2 | 1989 | 15.7 | 98 | 13.8 | 348.5 | 2002 | 14.9 | 97 | 13.0 | 345.2 | 1994 | 14.7 | 93 | 12.4 | 343.1 | 2008 | 800 |
| 825 | 16.8 | 80 | 11.8 | 341.1 | 1726 | 17.2 | 97 | 14.6 | 349.5 | 1738 | 16.1 | 97 | 13.7 | 345.7 | 1732 | 15.8 | 92 | 12.6 | 342.2 | 1746 | 825 |
| 850 | 18.1 | 83 | 12.9 | 342.8 | 1470 | 18.7 | 96 | 15.4 | 350.5 | 1482 | 17.3 | 98 | 14.5 | 346.2 | 1476 | 16.8 | 95 | 13.5 | 342.8 | 1491 | 850 |
| 875 | 19.1 | 84 | 13.4 | 342.6 | 1220 | 20.1 | 95 | 16.2 | 351.6 | 1231 | 18.4 | 98 | 15.0 | 346.1 | 1227 | 17.8 | 97 | 14.4 | 343.5 | 1243 | 875 |
| 900 | 20.1 | 84 | 14.0 | 342.4 | 977 | 21.5 | 94 | 17.0 | 352.7 | 986 | 19.4 | 97 | 15.5 | 345.8 | 984 | 19.2 | 98 | 15.4 | 345.2 | 1000 | 900 |
| 925 | 21.7 | 79 | 14.1 | 342.1 | 739 | 22.8 | 93 | 17.8 | 353.8 | 746 | 20.4 | 97 | 16.0 | 345.5 | 747 | 20.7 | 97 | 16.4 | 347.1 | 763 | 925 |
| 950 | 23.4 | 73 | 14.1 | 341.5 | 506 | 24.1 | 92 | 18.7 | 355.0 | 512 | 21.4 | 96 | 16.4 | 345.2 | 515 | 22.2 | 97 | 17.5 | 349.2 | 530 | 950 |
| 975 | 25.1 | 75 | 15.6 | 345.0 | 278 | 25.4 | 91 | 19.5 | 356.1 | 283 | 22.3 | 96 | 16.9 | 344.9 | 288 | 23.7 | 97 | 18.6 | 351.3 | 302 | 975 |
| 1000 | 26.8 | 77 | 17.2 | 349.1 | 54 | 26.7 | 90 | 20.3 | 357.3 | 58 | 23.2 | 95 | 17.3 | 344.7 | 66 | 25.1 | 96 | 19.7 | 353.4 | 79 | 1000 |
| SFC. | 27.2 | 77 | 17.7 | 350.2 | 0 | 27.0 | 90 | 20.5 | 357.6 | 0 | 23.5 | 95 | 17.5 | 344.6 | 0 | 25.6 | 96 | 20.0 | 354.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1006.1 | SURFACE PRESSURE | | | | 1006.6 | SURFACE PRESSURE | | | | 1007.6 | SURFACE PRESSURE | | | | 1009.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 2/27 0 1 GMT T | RH | W | EPT | H | 2/27 12 0 GMT T | RH | W | EPT | H | 2/28 0 0 GMT T | RH | W | EPT | H | 2/28 714 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.0 | 0 | 0.0 | 469.9 | 19536 | -65.7 | 0 | 0.0 | 463.9 | 19583 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.3 | 0 | 0.0 | 460.3 | 19529 | 60 |
| 70 | -70.9 | 21 | .0 | 432.9 | 18605 | -70.8 | 0 | 0.0 | 433.0 | 18656 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 0 | 0.0 | 438.3 | 18602 | 70 |
| 80 | -78.8 | 23 | .0 | 400.3 | 17824 | -76.0 | 0 | 0.0 | 406.0 | 17875 | -73.8 | 14 | .0 | 410.6 | 17800 | -75.1 | 0 | 0.0 | 407.9 | 17818 | 80 |
| 90 | -80.2 | 21 | .0 | 384.2 | 17158 | -78.2 | 20 | .0 | 388.2 | 17200 | -75.3 | 15 | .0 | 394.0 | 17119 | -81.1 | 0 | 0.0 | 382.4 | 17151 | 90 |
| 100 | -80.2 | 20 | .0 | 372.8 | 16563 | -79.6 | 20 | .0 | 374.0 | 16600 | -79.3 | 14 | .0 | 374.5 | 16517 | -76.6 | 41 | .0 | 379.8 | 16554 | 100 |
| 110 | -79.3 | 23 | .0 | 364.4 | 16023 | -78.4 | 21 | .0 | 366.1 | 16059 | -77.4 | 13 | .0 | 368.1 | 15974 | -74.3 | 41 | .0 | 373.9 | 16002 | 110 |
| 120 | -78.5 | 25 | .0 | 357.0 | 15528 | -75.3 | 21 | .0 | 362.9 | 15559 | -74.7 | 14 | .0 | 363.9 | 15472 | -72.7 | 41 | .0 | 367.7 | 15493 | 120 |
| 130 | -74.9 | 23 | .0 | 355.4 | 15067 | -71.2 | 20 | .0 | 361.9 | 15091 | -72.3 | 14 | .0 | 360.1 | 15004 | -72.1 | 41 | .0 | 360.5 | 15023 | 130 |
| 140 | -71.6 | 22 | .0 | 353.7 | 14634 | -69.6 | 21 | .0 | 357.2 | 14651 | -69.9 | 14 | .0 | 356.6 | 14566 | -69.7 | 41 | .0 | 357.1 | 14584 | 140 |
| 150 | -68.5 | 21 | .0 | 352.2 | 14223 | -67.2 | 21 | .0 | 354.3 | 14237 | -67.2 | 13 | .0 | 354.4 | 14152 | -67.5 | 41 | .0 | 353.9 | 14170 | 150 |
| 160 | -65.3 | 20 | .0 | 351.1 | 13833 | -63.7 | 20 | .0 | 353.8 | 13845 | -63.8 | 12 | .0 | 353.6 | 13760 | -64.7 | 41 | .0 | 352.2 | 13779 | 160 |
| 170 | -62.1 | 19 | .0 | 350.4 | 13462 | -60.4 | 20 | .0 | 353.3 | 13470 | -61.1 | 13 | .0 | 352.0 | 13386 | -62.0 | 41 | .0 | 350.6 | 13406 | 170 |
| 180 | -59.0 | 18 | .0 | 349.7 | 13106 | -57.4 | 21 | .0 | 352.4 | 13111 | -59.0 | 15 | .0 | 349.8 | 13029 | -59.5 | 41 | .0 | 349.0 | 13051 | 180 |
| 190 | -56.2 | 18 | .0 | 349.0 | 12764 | -54.7 | 22 | .0 | 351.4 | 12768 | -56.3 | 15 | .0 | 348.7 | 12688 | -57.1 | 42 | .0 | 347.6 | 12711 | 190 |
| 200 | -53.4 | 17 | .0 | 348.3 | 12436 | -52.2 | 24 | .0 | 350.3 | 12438 | -53.8 | 16 | .0 | 347.7 | 12360 | -54.8 | 43 | .0 | 346.3 | 12384 | 200 |
| 225 | -47.2 | 16 | .0 | 346.4 | 11668 | -46.4 | 29 | .1 | 347.8 | 11665 | -48.3 | 22 | .0 | 344.8 | 11596 | -49.3 | 50 | .1 | 343.3 | 11622 | 225 |
| 250 | -41.4 | 14 | .1 | 344.8 | 10962 | -41.6 | 46 | .2 | 345.0 | 10958 | -41.6 | 35 | .1 | 344.7 | 10892 | -43.5 | 61 | .2 | 342.2 | 10923 | 250 |
| 275 | -36.0 | 12 | .1 | 343.5 | 10307 | -36.3 | 48 | .3 | 343.8 | 10305 | -36.5 | 32 | .2 | 343.2 | 10238 | -37.7 | 64 | .3 | 341.9 | 10274 | 275 |
| 300 | -31.0 | 10 | .1 | 342.1 | 9696 | -31.6 | 57 | .5 | 342.9 | 9695 | -31.8 | 29 | .3 | 341.6 | 9629 | -32.3 | 70 | .6 | 342.1 | 9667 | 300 |
| 325 | -25.1 | 10 | .2 | 342.7 | 9122 | -26.8 | 54 | .7 | 342.4 | 9123 | -27.4 | 30 | .4 | 340.3 | 9058 | -27.4 | 76 | .9 | 342.5 | 9096 | 325 |
| 350 | -19.6 | 10 | .2 | 343.3 | 8578 | -22.5 | 51 | .9 | 341.9 | 8584 | -23.4 | 30 | .5 | 339.2 | 8520 | -24.0 | 79 | 1.2 | 340.9 | 8559 | 350 |
| 375 | -17.0 | 13 | .4 | 340.5 | 8062 | -18.9 | 54 | 1.2 | 341.1 | 8073 | -20.0 | 34 | .7 | 337.8 | 8012 | -20.6 | 78 | 1.5 | 339.8 | 8052 | 375 |
| 400 | -14.8 | 17 | .5 | 337.7 | 7576 | -15.6 | 57 | 1.6 | 340.5 | 7589 | -17.0 | 39 | 1.0 | 336.5 | 7530 | -17.0 | 73 | 1.8 | 339.4 | 7571 | 400 |
| 425 | -13.7 | 44 | 1.4 | 336.3 | 7116 | -13.2 | 75 | 2.4 | 340.5 | 7129 | -14.8 | 48 | 1.4 | 334.9 | 7074 | -13.2 | 67 | 2.2 | 339.6 | 7112 | 425 |
| 450 | -9.3 | 38 | 1.6 | 337.2 | 6678 | -10.8 | 87 | 3.2 | 340.6 | 6692 | -12.3 | 18 | .6 | 330.0 | 6639 | -10.3 | 78 | 3.0 | 340.8 | 6674 | 450 |
| 475 | -7.2 | 45 | 2.1 | 336.4 | 6258 | -8.1 | 69 | 3.0 | 338.1 | 6273 | -9.1 | 11 | .4 | 328.4 | 6223 | -8.7 | 23 | .9 | 330.7 | 6256 | 475 |
| 500 | -4.7 | 40 | 2.2 | 334.9 | 5856 | -5.6 | 41 | 2.1 | 333.4 | 5873 | -6.1 | 13 | .6 | 327.8 | 5825 | -6.0 | 39 | 1.9 | 332.2 | 5856 | 500 |
| 525 | -1.9 | 27 | 1.7 | 332.2 | 5470 | -2.9 | 49 | 2.9 | 334.7 | 5488 | -3.3 | 14 | .8 | 327.3 | 5441 | -3.0 | 47 | 2.7 | 334.1 | 5472 | 525 |
| 550 | .5 | 27 | 1.9 | 331.3 | 5099 | -1.1 | 81 | 5.2 | 339.6 | 5118 | -1.2 | 28 | 1.8 | 328.9 | 5071 | -1.5 | 89 | 5.5 | 340.1 | 5102 | 550 |
| 575 | 2.2 | 50 | 3.9 | 335.4 | 4741 | .3 | 92 | 6.3 | 340.3 | 4761 | .4 | 43 | 2.9 | 330.2 | 4716 | .6 | 89 | 6.2 | 340.3 | 4745 | 575 |
| 600 | 3.5 | 49 | 4.0 | 333.1 | 4396 | 2.0 | 99 | 7.3 | 341.3 | 4418 | 1.5 | 56 | 4.0 | 330.7 | 4373 | 2.6 | 67 | 5.1 | 335.6 | 4402 | 600 |
| 625 | 6.5 | 27 | 2.6 | 328.7 | 4063 | 4.3 | 99 | 8.3 | 343.1 | 4086 | 4.0 | 43 | 3.5 | 328.4 | 4043 | 4.2 | 53 | 4.4 | 331.3 | 4070 | 625 |
| 650 | 8.0 | 13 | 1.3 | 322.6 | 3741 | 6.5 | 90 | 8.5 | 342.5 | 3765 | 5.7 | 45 | 4.0 | 328.3 | 3723 | 5.4 | 68 | 5.9 | 333.5 | 3750 | 650 |
| 675 | 9.6 | 12 | 1.4 | 321.0 | 3429 | 8.6 | 81 | 8.5 | 341.4 | 3453 | 7.7 | 33 | 3.2 | 324.5 | 3413 | 7.6 | 40 | 3.9 | 326.7 | 3440 | 675 |
| 700 | 10.5 | 27 | 3.1 | 324.1 | 3127 | 10.7 | 72 | 8.3 | 340.0 | 3150 | 9.6 | 20 | 2.2 | 320.3 | 3112 | 9.5 | 34 | 3.6 | 324.4 | 3139 | 700 |
| 725 | 10.7 | 57 | 6.4 | 330.9 | 2834 | 12.7 | 64 | 8.1 | 338.3 | 2856 | 10.1 | 39 | 4.2 | 323.7 | 2821 | 11.0 | 33 | 3.8 | 323.5 | 2847 | 725 |
| 750 | 12.2 | 67 | 8.0 | 333.9 | 2551 | 14.6 | 55 | 7.7 | 336.2 | 2570 | 11.2 | 35 | 3.8 | 320.9 | 2538 | 12.5 | 33 | 4.0 | 322.7 | 2564 | 750 |
| 775 | 14.4 | 64 | 8.5 | 334.9 | 2274 | 16.4 | 48 | 7.2 | 333.8 | 2292 | 12.5 | 35 | 4.1 | 320.2 | 2264 | 13.5 | 48 | 6.0 | 326.7 | 2288 | 775 |
| 800 | 16.5 | 60 | 9.0 | 335.7 | 2004 | 17.9 | 54 | 8.8 | 336.9 | 2021 | 14.2 | 44 | 5.7 | 323.6 | 1997 | 14.5 | 78 | 10.1 | 336.5 | 2020 | 800 |
| 825 | 17.5 | 62 | 9.5 | 335.5 | 1741 | 19.1 | 65 | 11.0 | 341.8 | 1756 | 15.5 | 51 | 6.9 | 325.6 | 1736 | 15.9 | 76 | 10.5 | 336.5 | 1759 | 825 |
| 850 | 17.5 | 68 | 10.1 | 334.1 | 1486 | 20.9 | 49 | 9.0 | 335.1 | 1498 | 16.5 | 57 | 8.0 | 327.1 | 1482 | 17.3 | 78 | 11.4 | 337.7 | 1504 | 850 |
| 875 | 18.4 | 71 | 10.8 | 334.4 | 1237 | 20.0 | 73 | 12.4 | 341.0 | 1248 | 17.6 | 63 | 9.1 | 328.8 | 1235 | 18.6 | 81 | 12.6 | 339.5 | 1255 | 875 |
| 900 | 19.9 | 71 | 11.7 | 335.8 | 994 | 21.1 | 81 | 14.4 | 344.9 | 1003 | 18.6 | 69 | 10.3 | 330.5 | 993 | 19.8 | 84 | 13.8 | 341.5 | 1012 | 900 |
| 925 | 21.3 | 72 | 12.6 | 337.3 | 757 | 22.6 | 85 | 16.1 | 348.6 | 765 | 20.3 | 78 | 12.8 | 336.8 | 757 | 21.1 | 87 | 15.0 | 343.6 | 774 | 925 |
| 950 | 22.7 | 73 | 13.5 | 338.9 | 525 | 24.7 | 78 | 16.4 | 349.4 | 531 | 22.1 | 73 | 13.0 | 336.8 | 525 | 22.3 | 90 | 16.3 | 345.9 | 542 | 950 |
| 975 | 25.4 | 72 | 15.2 | 344.3 | 297 | 26.8 | 72 | 16.5 | 349.8 | 301 | 23.8 | 68 | 13.1 | 336.6 | 298 | 23.8 | 88 | 17.1 | 347.4 | 314 | 975 |
| 1000 | 28.1 | 70 | 17.1 | 350.6 | 72 | 28.8 | 65 | 16.5 | 349.7 | 76 | 25.4 | 64 | 13.1 | 336.2 | 76 | 26.0 | 78 | 16.8 | 346.8 | 91 | 1000 |
| SFC. | 29.0 | 70 | 17.8 | 352.7 | 0 | 29.5 | 63 | 16.4 | 349.6 | 0 | 26.0 | 62 | 13.1 | 336.0 | 0 | 26.9 | 74 | 16.6 | 346.4 | 0 | SFC. |
| | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1008.6 | | | | | SURFACE PRESSURE 1010.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 2/28 1147 GMT | | | | | 2/28 1815 GMT | | | | | 3/ 1 148 GMT | | | | | 3/ 1 550 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.6 | 0 | 0.0 | 464.2 | 19534 | -66.8 | 0 | 0.0 | 461.4 | 19557 | -62.6 | 0 | 0.0 | 470.8 | 19537 | -64.3 | 0 | 0.0 | 467.1 | 19514 | 60 |
| 70 | -66.3 | 0 | 0.0 | 442.6 | 18595 | -66.2 | 0 | 0.0 | 442.7 | 18631 | -71.2 | 0 | 0.0 | 432.2 | 18616 | -72.4 | 0 | 0.0 | 429.6 | 18595 | 70 |
| 80 | -72.0 | 0 | 0.0 | 414.2 | 17797 | -70.5 | 14 | .0 | 417.3 | 17828 | -69.9 | 0 | 0.0 | 418.6 | 17822 | -73.4 | 0 | 0.0 | 411.3 | 17809 | 80 |
| 90 | -80.3 | 26 | .0 | 384.1 | 17115 | -75.6 | 15 | .0 | 393.4 | 17138 | -72.6 | 0 | 0.0 | 399.4 | 17126 | -77.2 | 19 | .0 | 390.1 | 17131 | 90 |
| 100 | -80.5 | 26 | .0 | 372.2 | 16520 | -77.5 | 16 | .0 | 378.0 | 16535 | -74.0 | 15 | .0 | 384.8 | 16510 | -78.0 | 20 | .0 | 377.1 | 16528 | 100 |
| 110 | -78.3 | 26 | .0 | 366.3 | 15979 | -75.1 | 15 | .0 | 372.3 | 15985 | -76.8 | 15 | .0 | 369.1 | 15960 | -76.7 | 20 | .0 | 369.3 | 15982 | 110 |
| 120 | -76.4 | 26 | .0 | 360.9 | 15480 | -73.0 | 15 | .0 | 367.1 | 15478 | -75.4 | 16 | .0 | 362.6 | 15458 | -75.3 | 20 | .0 | 362.9 | 15480 | 120 |
| 130 | -74.6 | 26 | .0 | 355.9 | 15017 | -71.3 | 14 | .0 | 361.8 | 15007 | -73.9 | 16 | .0 | 357.1 | 14993 | -72.9 | 19 | .0 | 359.0 | 15013 | 130 |
| 140 | -71.3 | 26 | .0 | 354.3 | 14582 | -70.7 | 14 | .0 | 355.2 | 14569 | -70.6 | 16 | .0 | 355.5 | 14557 | -70.6 | 19 | .0 | 355.4 | 14576 | 140 |
| 150 | -68.0 | 26 | .0 | 353.0 | 14171 | -67.5 | 14 | .0 | 353.9 | 14157 | -67.4 | 15 | .0 | 354.0 | 14145 | -68.0 | 19 | .0 | 352.9 | 14164 | 150 |
| 160 | -65.0 | 27 | .0 | 351.7 | 13781 | -64.4 | 14 | .0 | 352.6 | 13765 | -64.5 | 15 | .0 | 352.4 | 13753 | -65.4 | 19 | .0 | 351.0 | 13774 | 160 |
| 170 | -62.1 | 27 | .0 | 350.4 | 13409 | -61.5 | 13 | .0 | 351.4 | 13392 | -61.7 | 14 | .0 | 351.0 | 13380 | -62.9 | 19 | .0 | 349.1 | 13403 | 170 |
| 180 | -59.4 | 27 | .0 | 349.1 | 13053 | -58.8 | 13 | .0 | 350.1 | 13035 | -59.1 | 14 | .0 | 349.5 | 13024 | -60.4 | 19 | .0 | 347.6 | 13049 | 180 |
| 190 | -56.9 | 27 | .0 | 347.9 | 12713 | -56.2 | 13 | .0 | 348.9 | 12694 | -56.4 | 14 | .0 | 348.6 | 12683 | -57.3 | 18 | .0 | 347.2 | 12710 | 190 |
| 200 | -54.3 | 30 | .0 | 347.0 | 12386 | -53.4 | 13 | .0 | 348.3 | 12366 | -53.6 | 13 | .0 | 348.0 | 12355 | -54.3 | 17 | .0 | 346.8 | 12383 | 200 |
| 225 | -48.3 | 42 | .1 | 344.9 | 11620 | -46.6 | 12 | .0 | 347.3 | 11596 | -47.1 | 15 | .0 | 346.5 | 11587 | -47.8 | 17 | .0 | 345.4 | 11617 | 225 |
| 250 | -43.7 | 57 | .2 | 341.9 | 10919 | -42.0 | 13 | .1 | 343.9 | 10890 | -41.4 | 18 | .1 | 344.8 | 10881 | -42.0 | 16 | .1 | 343.9 | 10913 | 250 |
| 275 | -38.6 | 64 | .3 | 340.6 | 10272 | -37.3 | 16 | .1 | 341.5 | 10239 | -36.5 | 22 | .1 | 342.9 | 10227 | -36.8 | 16 | .1 | 342.4 | 10260 | 275 |
| 300 | -33.8 | 70 | .5 | 339.8 | 9668 | -32.4 | 19 | .2 | 340.4 | 9631 | -32.2 | 27 | .2 | 340.9 | 9618 | -32.6 | 17 | .1 | 340.1 | 9652 | 300 |
| 325 | -28.9 | 81 | .9 | 340.2 | 9101 | -28.7 | 25 | .3 | 338.3 | 9063 | -28.0 | 25 | .3 | 339.2 | 9048 | -29.7 | 18 | .2 | 336.5 | 9085 | 325 |
| 350 | -24.2 | 90 | 1.4 | 341.2 | 8565 | -24.6 | 31 | .5 | 337.5 | 8528 | -24.1 | 23 | .4 | 337.7 | 8512 | -24.9 | 17 | .3 | 336.2 | 8551 | 350 |
| 375 | -20.2 | 90 | 1.9 | 341.5 | 8058 | -20.7 | 39 | .8 | 337.2 | 8022 | -20.4 | 35 | .7 | 337.2 | 8005 | -20.4 | 17 | .3 | 336.0 | 8045 | 375 |
| 400 | -16.4 | 90 | 2.4 | 342.1 | 7576 | -17.0 | 47 | 1.2 | 337.2 | 7541 | -17.0 | 46 | 1.2 | 337.1 | 7524 | -17.0 | 64 | 1.6 | 338.7 | 7564 | 400 |
| 425 | -14.3 | 94 | 2.8 | 340.2 | 7117 | -14.6 | 59 | 1.7 | 336.2 | 7083 | -13.7 | 48 | 1.5 | 336.9 | 7066 | -13.9 | 85 | 2.6 | 340.2 | 7106 | 425 |
| 450 | -12.4 | 68 | 2.2 | 335.3 | 6682 | -12.1 | 55 | 1.8 | 334.5 | 6648 | -10.5 | 51 | 1.9 | 336.8 | 6628 | -11.1 | 85 | 3.1 | 339.7 | 6669 | 450 |
| 475 | -8.6 | 11 | .5 | 329.1 | 6266 | -9.6 | 43 | 1.7 | 331.9 | 6232 | -7.9 | 59 | 2.6 | 337.2 | 6210 | -9.2 | 94 | 3.8 | 339.1 | 6251 | 475 |
| 500 | -5.2 | 19 | 1.0 | 330.3 | 5866 | -7.1 | 31 | 1.4 | 329.1 | 5834 | -5.8 | 74 | 3.7 | 338.3 | 5809 | -6.6 | 72 | 3.4 | 336.2 | 5852 | 500 |
| 525 | -2.6 | 32 | 1.9 | 332.0 | 5481 | -4.5 | 38 | 2.0 | 329.9 | 5452 | -3.9 | 79 | 4.3 | 337.9 | 5425 | -3.7 | 47 | 2.6 | 332.6 | 5469 | 525 |
| 550 | -.1 | 45 | 3.1 | 334.3 | 5110 | -1.7 | 54 | 3.3 | 333.0 | 5084 | -2.7 | 81 | 4.6 | 335.9 | 5056 | -2.1 | 79 | 4.7 | 336.8 | 5100 | 550 |
| 575 | 1.9 | 38 | 2.9 | 331.9 | 4752 | -.1 | 53 | 3.5 | 331.3 | 4728 | -1.9 | 93 | 5.4 | 334.8 | 4702 | -.8 | 95 | 6.0 | 338.0 | 4745 | 575 |
| 600 | 3.4 | 15 | 1.2 | 324.3 | 4408 | 1.9 | 41 | 3.0 | 328.1 | 4386 | .4 | 93 | 6.1 | 335.9 | 4361 | 1.5 | 86 | 6.1 | 337.2 | 4403 | 600 |
| 625 | 4.9 | 15 | 1.3 | 322.5 | 4076 | 3.7 | 14 | 1.1 | 320.6 | 4056 | 2.7 | 89 | 6.6 | 336.1 | 4032 | 3.7 | 77 | 6.2 | 336.1 | 4072 | 625 |
| 650 | 6.1 | 37 | 3.3 | 326.7 | 3756 | 4.6 | 49 | 4.0 | 326.9 | 3737 | 4.7 | 86 | 7.1 | 336.2 | 3712 | 5.8 | 73 | 6.5 | 335.8 | 3752 | 650 |
| 675 | 8.1 | 59 | 5.9 | 333.2 | 3445 | 6.8 | 42 | 3.9 | 325.6 | 3428 | 5.3 | 86 | 7.1 | 333.3 | 3403 | 7.6 | 77 | 7.5 | 337.2 | 3441 | 675 |
| 700 | 9.0 | 58 | 6.0 | 331.0 | 3144 | 8.3 | 50 | 4.9 | 327.2 | 3128 | 6.2 | 96 | 8.2 | 334.0 | 3106 | 9.6 | 64 | 6.8 | 334.2 | 3140 | 700 |
| 725 | 9.9 | 70 | 7.4 | 332.9 | 2852 | 9.9 | 43 | 4.5 | 324.4 | 2837 | 8.9 | 99 | 9.8 | 338.5 | 2815 | 11.2 | 65 | 7.5 | 334.6 | 2847 | 725 |
| 750 | 12.2 | 49 | 5.8 | 327.8 | 2569 | 11.1 | 70 | 7.8 | 332.1 | 2554 | 10.5 | 96 | 10.3 | 338.4 | 2533 | 12.5 | 56 | 6.8 | 331.2 | 2563 | 750 |
| 775 | 14.5 | 76 | 10.2 | 340.0 | 2293 | 12.6 | 76 | 9.0 | 334.3 | 2279 | 11.9 | 92 | 10.4 | 337.3 | 2258 | 13.9 | 70 | 9.1 | 336.0 | 2286 | 775 |
| 800 | 14.6 | 93 | 12.2 | 342.6 | 2023 | 13.7 | 83 | 10.2 | 335.9 | 2012 | 13.5 | 77 | 9.4 | 333.5 | 1991 | 15.2 | 70 | 9.5 | 335.7 | 2017 | 800 |
| 825 | 15.9 | 92 | 12.7 | 342.4 | 1761 | 15.0 | 83 | 10.8 | 336.1 | 1751 | 14.8 | 88 | 11.3 | 337.3 | 1730 | 16.7 | 76 | 11.0 | 338.9 | 1755 | 825 |
| 850 | 17.6 | 89 | 13.4 | 343.4 | 1506 | 16.3 | 82 | 11.4 | 336.2 | 1497 | 16.2 | 90 | 12.4 | 338.9 | 1476 | 18.4 | 65 | 10.3 | 335.8 | 1499 | 850 |
| 875 | 19.3 | 90 | 14.7 | 346.3 | 1256 | 17.6 | 82 | 11.9 | 336.5 | 1249 | 17.6 | 94 | 13.7 | 341.3 | 1228 | 19.6 | 66 | 10.9 | 336.1 | 1250 | 875 |
| 900 | 21.0 | 91 | 16.1 | 349.4 | 1012 | 18.6 | 84 | 12.6 | 336.8 | 1007 | 19.2 | 92 | 14.5 | 342.9 | 985 | 20.0 | 76 | 12.6 | 338.6 | 1006 | 900 |
| 925 | 22.4 | 93 | 17.4 | 352.1 | 773 | 19.5 | 85 | 13.3 | 337.2 | 770 | 20.8 | 91 | 15.4 | 344.3 | 748 | 21.4 | 78 | 13.7 | 340.4 | 769 | 925 |
| 950 | 22.9 | 95 | 17.8 | 351.0 | 540 | 20.5 | 87 | 14.0 | 337.6 | 540 | 21.7 | 89 | 15.5 | 343.2 | 516 | 22.9 | 82 | 15.5 | 344.6 | 536 | 950 |
| 975 | 24.7 | 91 | 18.5 | 352.3 | 311 | 21.4 | 89 | 14.8 | 338.1 | 314 | 23.1 | 84 | 15.5 | 342.2 | 289 | 24.9 | 81 | 16.7 | 347.8 | 308 | 975 |
| 1000 | 26.3 | 87 | 19.0 | 353.4 | 87 | 24.8 | 83 | 16.6 | 344.8 | 92 | 24.6 | 78 | 15.3 | 340.9 | 67 | 26.9 | 79 | 17.8 | 350.8 | 84 | 1000 |
| SFC. | 27.0 | 85 | 19.2 | 353.8 | 0 | 26.2 | 81 | 17.4 | 347.8 | 0 | 25.0 | 76 | 15.2 | 340.5 | 0 | 27.6 | 78 | 18.3 | 352.0 | 0 | SFC. |
| | SURFACE PRESSURE 1009.9 | | | | | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1007.6 | | | | | SURFACE PRESSURE 1009.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/ 1 1248 GMT T | RH | W | EPT | H | 3/ 1 1750 GMT T | RH | W | EPT | H | 3/ 1 2315 GMT T | RH | W | EPT | H | 3/ 2 520 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -72.5 | 0 | 0.0 | 448.6 | 19444 | -65.1 | 0 | 0.0 | 465.2 | 19449 | -63.3 | 0 | 0.0 | 469.2 | 19456 | -66.7 | 0 | 0.0 | 461.6 | 19365 | 60 |
| 70 | -73.9 | 0 | 0.0 | 426.3 | 18544 | -71.6 | 0 | 0.0 | 431.2 | 18520 | -72.6 | 0 | 0.0 | 429.1 | 18524 | -72.2 | 0 | 0.0 | 429.9 | 18442 | 70 |
| 80 | -74.0 | 0 | 0.0 | 410.2 | 17765 | -75.4 | 0 | 0.0 | 407.3 | 17735 | -75.0 | 0 | 0.0 | 408.1 | 17744 | -79.0 | 0 | 0.0 | 399.7 | 17670 | 80 |
| 90 | -76.4 | 0 | 0.0 | 391.7 | 17082 | -77.2 | 13 | .0 | 390.1 | 17059 | -79.1 | 0 | 0.0 | 386.5 | 17069 | -79.3 | 15 | .0 | 385.9 | 17003 | 90 |
| 100 | -77.2 | 10 | .0 | 378.6 | 16476 | -76.9 | 14 | .0 | 379.2 | 16454 | -75.6 | 17 | .0 | 381.7 | 16465 | -76.8 | 15 | .0 | 379.4 | 16402 | 100 |
| 110 | -76.4 | 10 | .0 | 370.0 | 15928 | -72.7 | 15 | .0 | 376.9 | 15900 | -72.6 | 18 | .0 | 377.1 | 15909 | -73.6 | 15 | .0 | 375.2 | 15849 | 110 |
| 120 | -75.0 | 10 | .0 | 363.4 | 15425 | -72.9 | 15 | .0 | 367.3 | 15390 | -72.4 | 17 | .0 | 368.2 | 15398 | -72.7 | 15 | .0 | 367.6 | 15339 | 120 |
| 130 | -73.1 | 11 | .0 | 358.6 | 14958 | -72.1 | 15 | .0 | 360.4 | 14920 | -71.9 | 16 | .0 | 360.6 | 14927 | -72.7 | 15 | .0 | 359.3 | 14869 | 130 |
| 140 | -70.8 | 11 | .0 | 355.1 | 14522 | -69.8 | 16 | .0 | 356.8 | 14481 | -69.5 | 16 | .0 | 357.3 | 14488 | -70.0 | 16 | .0 | 356.5 | 14431 | 140 |
| 150 | -68.0 | 11 | .0 | 353.0 | 14110 | -67.8 | 17 | .0 | 353.4 | 14068 | -67.1 | 16 | .0 | 354.5 | 14074 | -68.0 | 16 | .0 | 353.1 | 14018 | 150 |
| 160 | -65.4 | 10 | .0 | 351.0 | 13720 | -65.8 | 18 | .0 | 350.2 | 13678 | -64.7 | 16 | .0 | 352.1 | 13682 | -66.1 | 16 | .0 | 349.8 | 13629 | 160 |
| 170 | -62.9 | 10 | .0 | 349.1 | 13349 | -64.0 | 18 | .0 | 347.2 | 13309 | -62.5 | 16 | .0 | 349.8 | 13310 | -64.3 | 16 | .0 | 346.8 | 13260 | 170 |
| 180 | -60.2 | 0 | 0.0 | 347.8 | 12995 | -62.3 | 19 | .0 | 344.4 | 12957 | -60.3 | 16 | .0 | 347.6 | 12956 | -62.6 | 16 | .0 | 343.9 | 12908 | 180 |
| 190 | -57.3 | 0 | 0.0 | 347.0 | 12656 | -59.3 | 18 | .0 | 344.0 | 12621 | -58.1 | 16 | .0 | 345.9 | 12617 | -60.4 | 16 | .0 | 342.1 | 12574 | 190 |
| 200 | -54.6 | 0 | 0.0 | 346.3 | 12329 | -56.4 | 18 | .0 | 343.6 | 12297 | -55.9 | 16 | .0 | 344.4 | 12292 | -58.1 | 16 | .0 | 340.8 | 12252 | 200 |
| 225 | -48.3 | 0 | 0.0 | 344.4 | 11565 | -49.7 | 16 | .0 | 342.4 | 11538 | -50.5 | 16 | .0 | 341.3 | 11534 | -51.2 | 17 | .0 | 340.2 | 11499 | 225 |
| 250 | -42.7 | 0 | 0.0 | 342.5 | 10862 | -44.5 | 15 | .0 | 340.2 | 10840 | -43.9 | 16 | .0 | 341.0 | 10837 | -44.7 | 17 | .0 | 339.8 | 10804 | 250 |
| 275 | -37.7 | M | M | M | 10212 | -39.7 | 14 | .1 | 338.0 | 10196 | -38.7 | 16 | .1 | 339.4 | 10189 | -38.8 | 18 | .1 | 339.3 | 10158 | 275 |
| 300 | -33.5 | M | M | M | 9607 | -34.6 | 21 | .1 | 337.2 | 9594 | -34.6 | 16 | .1 | 337.0 | 9587 | -33.9 | 14 | .1 | 338.1 | 9555 | 300 |
| 325 | -29.7 | M | M | M | 9041 | -29.4 | 32 | .3 | 337.5 | 9029 | -31.1 | 19 | .2 | 334.5 | 9023 | -31.7 | 65 | .5 | 335.0 | 8992 | 325 |
| 350 | -26.1 | 11 | .1 | 334.2 | 8508 | -25.8 | 14 | .2 | 334.7 | 8497 | -26.6 | 17 | .2 | 333.8 | 8493 | -27.7 | 16 | .2 | 332.1 | 8463 | 350 |
| 375 | -21.8 | 11 | .2 | 333.5 | 8005 | -22.1 | 13 | .2 | 333.2 | 7993 | -22.4 | 16 | .3 | 333.0 | 7990 | -23.4 | 17 | .3 | 331.6 | 7963 | 375 |
| 400 | -17.1 | 11 | .3 | 333.9 | 7526 | -18.7 | 12 | .3 | 331.7 | 7515 | -18.5 | 15 | .3 | 332.2 | 7513 | -19.5 | 21 | .4 | 331.3 | 7488 | 400 |
| 425 | -13.7 | 21 | .7 | 333.9 | 7068 | -15.4 | 16 | .4 | 330.8 | 7061 | -16.2 | 17 | .4 | 329.8 | 7058 | -16.5 | 17 | .4 | 329.4 | 7035 | 425 |
| 450 | -10.6 | 37 | 1.4 | 334.9 | 6631 | -12.3 | 19 | .6 | 330.1 | 6626 | -12.3 | 16 | .5 | 329.7 | 6624 | -13.8 | 14 | .4 | 327.5 | 6603 | 450 |
| 475 | -8.3 | 56 | 2.4 | 335.8 | 6212 | -9.4 | 23 | .9 | 329.6 | 6211 | -9.2 | 19 | .8 | 329.3 | 6209 | -11.6 | 23 | .8 | 326.3 | 6190 | 475 |
| 500 | -7.3 | 63 | 2.8 | 333.5 | 5813 | -6.7 | 26 | 1.2 | 329.2 | 5812 | -6.6 | 23 | 1.1 | 328.8 | 5810 | -8.9 | 37 | 1.4 | 327.2 | 5795 | 500 |
| 525 | -3.9 | 59 | 3.2 | 334.5 | 5430 | -4.0 | 29 | 1.6 | 329.1 | 5429 | -4.2 | 27 | 1.4 | 328.4 | 5427 | -6.3 | 56 | 2.5 | 329.3 | 5415 | 525 |
| 550 | -1.5 | 56 | 3.5 | 334.0 | 5061 | -1.9 | 37 | 2.2 | 329.4 | 5060 | -2.8 | 41 | 2.3 | 328.7 | 5059 | -4.4 | 59 | 3.0 | 328.6 | 5050 | 550 |
| 575 | -1.0 | 68 | 4.2 | 332.2 | 4707 | -2.3 | 92 | 5.2 | 333.8 | 4707 | -1.8 | 60 | 3.5 | 329.2 | 4706 | -.5 | 70 | 4.5 | 333.9 | 4696 | 575 |
| 600 | .8 | 99 | 6.7 | 338.2 | 4365 | .5 | 79 | 5.2 | 333.2 | 4367 | 2.4 | 53 | 4.0 | 331.9 | 4364 | 1.2 | 78 | 5.4 | 334.8 | 4354 | 600 |
| 625 | 2.2 | 82 | 5.9 | 333.5 | 4035 | 2.3 | 76 | 5.5 | 332.3 | 4037 | 5.1 | 49 | 4.4 | 332.4 | 4032 | 2.0 | 92 | 6.5 | 335.0 | 4024 | 625 |
| 650 | 3.9 | 60 | 4.7 | 328.0 | 3717 | 3.2 | 84 | 6.2 | 331.8 | 3720 | 5.3 | 53 | 4.5 | 329.3 | 3711 | 4.0 | 97 | 7.7 | 337.1 | 3706 | 650 |
| 675 | 6.3 | 72 | 6.4 | 332.3 | 3409 | 5.5 | 78 | 6.6 | 331.9 | 3412 | 5.3 | 56 | 4.6 | 326.2 | 3403 | 6.0 | 84 | 7.3 | 334.8 | 3397 | 675 |
| 700 | 7.8 | 75 | 7.2 | 333.1 | 3109 | 7.0 | 79 | 7.1 | 332.0 | 3113 | 7.6 | 47 | 4.4 | 324.7 | 3104 | 8.5 | 76 | 7.6 | 335.1 | 3097 | 700 |
| 725 | 9.7 | 79 | 8.3 | 335.2 | 2818 | 8.2 | 79 | 7.5 | 330.9 | 2823 | 9.8 | 38 | 4.0 | 322.8 | 2814 | 8.3 | 78 | 7.4 | 331.0 | 2807 | 725 |
| 750 | 11.4 | 80 | 9.1 | 336.2 | 2535 | 10.3 | 58 | 6.1 | 326.3 | 2542 | 12.6 | 22 | 2.6 | 318.8 | 2531 | 9.9 | 82 | 8.4 | 332.4 | 2526 | 750 |
| 775 | 12.5 | 86 | 10.2 | 337.4 | 2260 | 12.4 | 37 | 4.3 | 320.5 | 2268 | 14.4 | 17 | 2.3 | 316.8 | 2255 | 11.5 | 85 | 9.4 | 333.9 | 2251 | 775 |
| 800 | 15.2 | 33 | 4.5 | 321.2 | 1992 | 13.5 | 38 | 4.6 | 319.8 | 2001 | 15.7 | 21 | 2.9 | 317.0 | 1987 | 13.0 | 88 | 10.4 | 335.6 | 1984 | 800 |
| 825 | 15.8 | 33 | 4.5 | 319.1 | 1731 | 14.7 | 39 | 5.0 | 319.2 | 1741 | 16.1 | 36 | 5.0 | 321.1 | 1726 | 14.3 | 90 | 11.2 | 336.3 | 1724 | 825 |
| 850 | 14.4 | 64 | 7.8 | 324.0 | 1477 | 15.3 | 58 | 7.5 | 324.2 | 1488 | 15.9 | 63 | 8.5 | 327.8 | 1472 | 15.2 | 92 | 11.8 | 336.1 | 1471 | 850 |
| 875 | 16.8 | 97 | 13.5 | 339.8 | 1230 | 15.7 | 86 | 11.1 | 331.9 | 1242 | 17.1 | 67 | 9.4 | 329.0 | 1225 | 16.2 | 93 | 12.4 | 336.1 | 1224 | 875 |
| 900 | 18.3 | 95 | 14.0 | 340.3 | 988 | 16.9 | 90 | 12.2 | 333.8 | 1002 | 18.2 | 70 | 10.2 | 329.9 | 984 | 17.1 | 95 | 13.0 | 336.0 | 983 | 900 |
| 925 | 19.7 | 93 | 14.6 | 340.8 | 752 | 18.8 | 90 | 13.4 | 336.4 | 766 | 19.4 | 72 | 11.0 | 330.8 | 748 | 18.9 | 92 | 13.8 | 337.8 | 747 | 925 |
| 950 | 21.0 | 91 | 15.2 | 341.3 | 521 | 21.0 | 83 | 13.7 | 337.4 | 536 | 21.1 | 68 | 11.3 | 330.8 | 517 | 21.0 | 89 | 14.7 | 340.1 | 517 | 950 |
| 975 | 23.3 | 85 | 15.9 | 343.5 | 294 | 23.2 | 74 | 13.8 | 337.7 | 309 | 22.9 | 64 | 11.5 | 331.2 | 291 | 23.0 | 85 | 15.6 | 342.4 | 290 | 975 |
| 1000 | 25.5 | 76 | 15.8 | 343.6 | 71 | 25.4 | 66 | 13.6 | 337.3 | 87 | 26.3 | 60 | 13.0 | 336.9 | 69 | 24.9 | 82 | 16.5 | 344.6 | 68 | 1000 |
| SFC. | 25.5 | 74 | 15.3 | 341.2 | 0 | 26.2 | 63 | 13.5 | 337.1 | 0 | 27.3 | 59 | 13.5 | 338.7 | 0 | 25.5 | 81 | 16.8 | 345.3 | 0 | SFC. |
| | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1009.9 | | | | | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1007.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/ 2 1115 GMT T | RH | W | EPT | H | 3/ 2 1750 GMT T | RH | W | EPT | H | 3/ 2 2315 GMT T | RH | W | EPT | H | 3/ 3 530 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.2 | 0 | 0.0 | 465.0 | 19480 | -63.6 | 0 | 0.0 | 468.6 | 19500 | -63.1 | 0 | 0.0 | 469.7 | 19577 | -65.6 | 0 | 0.0 | 464.1 | 19391 | 60 |
| 70 | -70.8 | 0 | 0.0 | 433.0 | 18551 | -72.3 | 0 | 0.0 | 429.7 | 18577 | -69.3 | 0 | 0.0 | 436.2 | 18639 | -69.0 | 11 | .0 | 436.9 | 18463 | 70 |
| 80 | -76.9 | 0 | 0.0 | 404.2 | 17772 | -75.5 | 15 | .0 | 407.0 | 17792 | -72.5 | 22 | .0 | 413.3 | 17849 | -75.0 | 12 | .0 | 408.2 | 17672 | 80 |
| 90 | -78.3 | 0 | 0.0 | 388.0 | 17097 | -79.1 | 15 | .0 | 386.5 | 17120 | -78.3 | 23 | .0 | 388.0 | 17168 | -80.2 | 13 | .0 | 384.1 | 17002 | 90 |
| 100 | -79.6 | 17 | .0 | 374.0 | 16498 | -75.5 | 14 | .0 | 381.9 | 16516 | -73.7 | 22 | .0 | 385.4 | 16560 | -76.6 | 12 | .0 | 379.8 | 16401 | 100 |
| 110 | -76.1 | 17 | .0 | 370.4 | 15953 | -73.7 | 14 | .0 | 375.1 | 15959 | -74.3 | 23 | .0 | 374.0 | 16002 | -79.5 | 12 | .0 | 364.0 | 15856 | 110 |
| 120 | -73.0 | 17 | .0 | 367.0 | 15447 | -73.8 | 15 | .0 | 365.6 | 15453 | -73.5 | 23 | .0 | 366.2 | 15496 | -76.9 | 12 | .0 | 360.0 | 15360 | 120 |
| 130 | -70.2 | 17 | .0 | 363.7 | 14975 | -71.6 | 15 | .0 | 361.4 | 14983 | -70.8 | 23 | .0 | 362.7 | 15025 | -73.9 | 12 | .0 | 357.2 | 14897 | 130 |
| 140 | -67.7 | 17 | .0 | 360.6 | 14531 | -69.5 | 14 | .0 | 357.4 | 14544 | -68.0 | 23 | .0 | 360.1 | 14583 | -71.1 | 13 | .0 | 354.6 | 14461 | 140 |
| 150 | -65.3 | 17 | .0 | 357.7 | 14114 | -67.5 | 14 | .0 | 353.8 | 14130 | -65.4 | 23 | .0 | 357.6 | 14166 | -68.5 | 13 | .0 | 352.1 | 14050 | 150 |
| 160 | -63.0 | 17 | .0 | 354.9 | 13719 | -65.7 | 14 | .0 | 350.4 | 13740 | -62.9 | 24 | .0 | 355.2 | 13771 | -65.5 | 13 | .0 | 350.7 | 13661 | 160 |
| 170 | -64.0 | 17 | .0 | 347.2 | 13346 | -64.0 | 14 | .0 | 347.2 | 13370 | -60.6 | 24 | .0 | 352.9 | 13396 | -62.4 | 12 | .0 | 349.9 | 13290 | 170 |
| 180 | -61.5 | 17 | .0 | 345.7 | 12994 | -60.9 | 14 | .0 | 346.7 | 13017 | -58.4 | 24 | .0 | 350.8 | 13038 | -59.5 | 11 | .0 | 349.0 | 12934 | 180 |
| 190 | -59.0 | 17 | .0 | 344.3 | 12657 | -58.0 | 14 | .0 | 346.1 | 12679 | -56.0 | 24 | .0 | 349.3 | 12696 | -56.7 | 10 | .0 | 348.2 | 12594 | 190 |
| 200 | -56.4 | 16 | .0 | 343.6 | 12333 | -55.2 | 14 | .0 | 345.5 | 12353 | -53.6 | 24 | .0 | 348.0 | 12368 | -54.2 | 10 | .0 | 347.1 | 12267 | 200 |
| 225 | -50.3 | 15 | .0 | 341.6 | 11575 | -48.7 | 14 | .0 | 344.0 | 11590 | -48.2 | 23 | .1 | 344.8 | 11602 | -49.1 | 10 | .0 | 343.3 | 11502 | 225 |
| 250 | -44.9 | 16 | .0 | 339.6 | 10879 | -43.0 | 14 | .0 | 342.4 | 10889 | -43.4 | 23 | .1 | 341.9 | 10900 | -44.6 | 10 | .0 | 339.9 | 10804 | 250 |
| 275 | -39.6 | 16 | .1 | 338.2 | 10234 | -37.7 | 13 | .1 | 340.9 | 10239 | -38.1 | 19 | .1 | 340.4 | 10252 | -40.2 | 10 | .0 | 337.1 | 10161 | 275 |
| 300 | -34.4 | 35 | .2 | 337.9 | 9632 | -32.7 | 12 | .1 | 339.7 | 9633 | -33.1 | 14 | .1 | 339.2 | 9646 | -35.5 | 10 | .1 | 335.6 | 9561 | 300 |
| 325 | -29.4 | 52 | .5 | 338.2 | 9067 | -28.0 | 15 | .2 | 338.9 | 9064 | -28.6 | 13 | .1 | 337.9 | 9078 | -30.8 | 10 | .1 | 334.6 | 8999 | 325 |
| 350 | -25.3 | 53 | .7 | 337.4 | 8533 | -23.6 | 18 | .3 | 338.1 | 8527 | -24.6 | 28 | .4 | 337.2 | 8543 | -27.2 | 10 | .1 | 332.5 | 8468 | 350 |
| 375 | -21.9 | 57 | 1.0 | 336.3 | 8028 | -19.6 | 25 | .5 | 337.8 | 8018 | -20.9 | 47 | .9 | 337.3 | 8037 | -25.1 | 11 | .1 | 328.9 | 7970 | 375 |
| 400 | -18.9 | 79 | 1.7 | 336.4 | 7550 | -16.5 | 50 | 1.3 | 338.3 | 7536 | -18.6 | 47 | 1.0 | 334.6 | 7558 | -21.8 | 13 | .2 | 327.5 | 7498 | 400 |
| 425 | -14.9 | 74 | 2.1 | 337.1 | 7095 | -14.2 | 59 | 1.8 | 337.0 | 7078 | -15.4 | 50 | 1.3 | 334.0 | 7104 | -17.4 | 33 | .7 | 329.4 | 7047 | 425 |
| 450 | -12.5 | 71 | 2.3 | 335.4 | 6660 | -12.3 | 19 | .6 | 330.0 | 6643 | -11.6 | 44 | 1.5 | 334.0 | 6669 | -13.4 | 32 | 1.0 | 329.8 | 6616 | 450 |
| 475 | -9.7 | 10 | .4 | 327.4 | 6245 | -9.6 | 18 | .7 | 328.7 | 6228 | -8.1 | 38 | 1.7 | 333.8 | 6251 | -9.8 | 19 | .7 | 328.5 | 6201 | 475 |
| 500 | -6.0 | 11 | .5 | 327.7 | 5846 | -6.9 | 17 | .8 | 327.3 | 5829 | -5.2 | 35 | 1.8 | 333.1 | 5851 | -7.3 | 12 | .5 | 326.1 | 5804 | 500 |
| 525 | -4.9 | 57 | 2.9 | 332.2 | 5464 | -4.7 | 30 | 1.5 | 328.0 | 5447 | -2.5 | 33 | 2.0 | 332.4 | 5465 | -4.7 | 20 | 1.0 | 326.4 | 5422 | 525 |
| 550 | -1.9 | 61 | 3.7 | 333.9 | 5095 | -2.2 | 38 | 2.2 | 329.0 | 5079 | -.7 | 42 | 2.8 | 332.6 | 5095 | -2.7 | 28 | 1.6 | 326.4 | 5054 | 550 |
| 575 | .3 | 71 | 4.8 | 336.0 | 4740 | -1.4 | 61 | 3.7 | 330.3 | 4726 | 1.2 | 46 | 3.4 | 332.6 | 4738 | -.5 | 73 | 4.7 | 334.5 | 4700 | 575 |
| 600 | 2.5 | 79 | 6.0 | 338.1 | 4397 | 1.2 | 92 | 6.4 | 337.7 | 4384 | 3.1 | 58 | 4.6 | 334.6 | 4394 | 1.1 | 71 | 4.9 | 333.1 | 4358 | 600 |
| 625 | 4.6 | 79 | 6.8 | 339.0 | 4064 | 3.2 | 96 | 7.4 | 339.0 | 4054 | 5.0 | 63 | 5.5 | 335.8 | 4062 | 2.7 | 84 | 6.2 | 335.1 | 4028 | 625 |
| 650 | 6.6 | 89 | 8.4 | 342.3 | 3743 | 5.0 | 95 | 8.1 | 339.4 | 3734 | 7.0 | 64 | 6.2 | 336.5 | 3740 | 4.6 | 89 | 7.3 | 336.7 | 3709 | 650 |
| 675 | 8.1 | 91 | 9.2 | 342.8 | 3431 | 7.5 | 60 | 5.8 | 332.1 | 3424 | 8.8 | 63 | 6.7 | 336.4 | 3428 | 6.3 | 73 | 6.5 | 332.7 | 3400 | 675 |
| 700 | 9.8 | 89 | 9.7 | 342.9 | 3129 | 10.0 | 18 | 1.9 | 320.0 | 3123 | 10.2 | 55 | 6.1 | 332.9 | 3126 | 7.4 | 99 | 9.2 | 338.2 | 3101 | 700 |
| 725 | 11.2 | 90 | 10.4 | 342.9 | 2836 | 10.6 | 66 | 7.3 | 333.5 | 2831 | 11.7 | 57 | 6.8 | 333.4 | 2833 | 9.7 | 99 | 10.4 | 341.2 | 2809 | 725 |
| 750 | 12.5 | 90 | 11.0 | 342.9 | 2551 | 11.5 | 70 | 8.0 | 333.1 | 2547 | 12.8 | 68 | 8.5 | 336.2 | 2548 | 10.8 | 98 | 10.7 | 340.1 | 2526 | 750 |
| 775 | 13.6 | 91 | 11.6 | 342.7 | 2274 | 12.6 | 92 | 10.9 | 339.6 | 2272 | 13.2 | 69 | 8.5 | 333.5 | 2272 | 11.8 | 97 | 11.0 | 338.7 | 2251 | 775 |
| 800 | 14.6 | 92 | 12.1 | 342.4 | 2005 | 13.8 | 93 | 11.6 | 340.1 | 2004 | 14.4 | 72 | 9.4 | 334.3 | 2004 | 13.0 | 93 | 11.0 | 337.1 | 1984 | 800 |
| 825 | 15.5 | 94 | 12.7 | 342.0 | 1744 | 15.1 | 87 | 11.5 | 338.0 | 1743 | 16.2 | 81 | 11.4 | 339.2 | 1742 | 13.9 | 93 | 11.3 | 336.2 | 1724 | 825 |
| 850 | 16.4 | 95 | 13.3 | 341.7 | 1489 | 16.3 | 89 | 12.3 | 338.9 | 1488 | 17.7 | 86 | 13.1 | 342.8 | 1487 | 14.7 | 97 | 12.1 | 336.4 | 1471 | 850 |
| 875 | 17.5 | 96 | 13.9 | 341.9 | 1241 | 17.5 | 90 | 13.1 | 339.8 | 1240 | 18.9 | 87 | 13.8 | 343.5 | 1237 | 15.9 | 98 | 12.7 | 336.6 | 1224 | 875 |
| 900 | 18.9 | 95 | 14.7 | 343.0 | 998 | 18.7 | 92 | 14.0 | 340.8 | 998 | 20.1 | 88 | 14.6 | 344.2 | 994 | 17.0 | 98 | 13.4 | 336.9 | 983 | 900 |
| 925 | 20.3 | 94 | 15.5 | 344.1 | 761 | 19.8 | 94 | 14.9 | 341.9 | 761 | 21.2 | 89 | 15.4 | 344.9 | 756 | 18.7 | 93 | 13.8 | 337.3 | 748 | 925 |
| 950 | 21.6 | 94 | 16.3 | 345.2 | 529 | 21.0 | 94 | 15.7 | 342.8 | 530 | 22.3 | 89 | 16.2 | 345.7 | 523 | 20.5 | 87 | 14.0 | 337.6 | 517 | 950 |
| 975 | 22.9 | 93 | 17.1 | 346.3 | 302 | 22.6 | 89 | 16.0 | 343.0 | 303 | 23.5 | 89 | 16.9 | 346.7 | 296 | 22.0 | 84 | 14.4 | 337.9 | 291 | 975 |
| 1000 | 24.7 | 85 | 17.0 | 345.7 | 80 | 24.1 | 85 | 16.3 | 343.0 | 81 | 26.3 | 79 | 17.3 | 348.7 | 72 | 24.0 | 80 | 15.3 | 340.3 | 70 | 1000 |
| SFC. | 25.4 | 82 | 16.8 | 345.2 | 0 | 24.7 | 83 | 16.3 | 343.0 | 0 | 27.2 | 76 | 17.4 | 349.2 | 0 | 24.9 | 78 | 15.5 | 341.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.1 | SURFACE PRESSURE | | | | 1009.3 | SURFACE PRESSURE | | | | 1008.2 | SURFACE PRESSURE | | | | 1008.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/ 3 1130 GMT T | RH | W | EPT | H | 3/ 3 15 0 GMT T | RH | W | EPT | H | 3/ 3 18 0 GMT T | RH | W | EPT | H | 3/ 3 2043 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.4 | 0 | 0.0 | 464.6 | 19476 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.6 | 0 | 0.0 | 464.2 | 19498 | -64.9 | 0 | 0.0 | 465.6 | 19514 | 60 |
| 70 | -68.5 | 0 | 0.0 | 437.9 | 18543 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 0 | 0.0 | 442.3 | 18565 | -66.9 | 0 | 0.0 | 441.3 | 18578 | 70 |
| 80 | -73.9 | 0 | 0.0 | 410.4 | 17752 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 13 | .0 | 409.4 | 17771 | -74.8 | 15 | .0 | 408.5 | 17783 | 80 |
| 90 | -81.1 | 0 | 0.0 | 382.4 | 17078 | -82.9 | 12 | .0 | 378.9 | 17022 | -78.6 | 13 | .0 | 387.3 | 17100 | -77.7 | 14 | .0 | 389.1 | 17110 | 90 |
| 100 | -79.1 | 0 | 0.0 | 374.9 | 16483 | -80.7 | 12 | .0 | 371.9 | 16427 | -79.9 | 13 | .0 | 373.4 | 16498 | -80.2 | 15 | .0 | 372.8 | 16511 | 100 |
| 110 | -79.7 | 0 | 0.0 | 363.7 | 15942 | -80.6 | 12 | .0 | 362.0 | 15892 | -79.1 | 13 | .0 | 364.8 | 15958 | -78.8 | 15 | .0 | 365.3 | 15970 | 110 |
| 120 | -76.8 | 0 | 0.0 | 360.0 | 15446 | -77.1 | 12 | .0 | 359.6 | 15397 | -76.2 | 13 | .0 | 361.2 | 15460 | -75.8 | 15 | .0 | 361.9 | 15471 | 120 |
| 130 | -74.2 | 0 | 0.0 | 356.6 | 14983 | -73.7 | 12 | .0 | 357.5 | 14933 | -72.9 | 13 | .0 | 358.9 | 14995 | -72.9 | 15 | .0 | 359.0 | 15005 | 130 |
| 140 | -71.8 | 0 | 0.0 | 353.3 | 14548 | -70.5 | 12 | .0 | 355.5 | 14497 | -69.9 | 13 | .0 | 356.6 | 14557 | -70.1 | 15 | .0 | 356.3 | 14568 | 140 |
| 150 | -68.8 | 0 | 0.0 | 351.7 | 14139 | -67.6 | 12 | .0 | 353.6 | 14085 | -67.1 | 13 | .0 | 354.5 | 14143 | -67.6 | 15 | .0 | 353.7 | 14155 | 150 |
| 160 | -65.6 | 0 | 0.0 | 350.6 | 13749 | -64.9 | 12 | .0 | 351.8 | 13694 | -64.5 | 13 | .0 | 352.4 | 13752 | -65.2 | 15 | .0 | 351.3 | 13764 | 160 |
| 170 | -62.6 | 0 | 0.0 | 349.5 | 13378 | -62.3 | 12 | .0 | 350.0 | 13322 | -61.6 | 13 | .0 | 351.2 | 13379 | -61.8 | 15 | .0 | 350.9 | 13392 | 170 |
| 180 | -59.8 | 0 | 0.0 | 348.4 | 13023 | -59.5 | 12 | .0 | 349.0 | 12966 | -58.8 | 12 | .0 | 350.1 | 13022 | -58.1 | 14 | .0 | 351.3 | 13035 | 180 |
| 190 | -57.2 | 0 | 0.0 | 347.3 | 12683 | -56.8 | 12 | .0 | 348.0 | 12626 | -56.1 | 12 | .0 | 349.1 | 12681 | -56.0 | 14 | .0 | 349.2 | 12693 | 190 |
| 200 | -54.6 | 0 | 0.0 | 346.3 | 12357 | -54.3 | 12 | .0 | 346.9 | 12299 | -53.6 | 12 | .0 | 348.0 | 12353 | -53.8 | 14 | .0 | 347.7 | 12365 | 200 |
| 225 | -48.9 | 0 | 0.0 | 343.6 | 11593 | -48.2 | 12 | .0 | 344.7 | 11534 | -47.7 | 11 | .0 | 345.5 | 11585 | -47.8 | 13 | .0 | 345.4 | 11598 | 225 |
| 250 | -42.9 | 0 | 0.0 | 342.3 | 10892 | -42.7 | 12 | .0 | 342.8 | 10831 | -41.6 | 11 | .0 | 344.4 | 10881 | -41.9 | 12 | .0 | 344.0 | 10894 | 250 |
| 275 | -37.6 | M | M | M | 10242 | -37.7 | 11 | .1 | 340.9 | 10181 | -35.8 | 11 | .1 | 343.6 | 10226 | -36.3 | 12 | .1 | 343.0 | 10241 | 275 |
| 300 | -33.3 | M | M | M | 9637 | -33.1 | 11 | .1 | 339.1 | 9575 | -32.1 | 10 | .1 | 340.6 | 9617 | -32.2 | 12 | .1 | 340.4 | 9631 | 300 |
| 325 | -28.7 | M | M | M | 9069 | -28.9 | 11 | .1 | 337.3 | 9007 | -28.6 | 10 | .1 | 337.7 | 9047 | -27.9 | 12 | .1 | 338.8 | 9062 | 325 |
| 350 | -24.4 | M | M | M | 8534 | -25.3 | 11 | .2 | 335.3 | 8473 | -24.9 | 10 | .1 | 335.7 | 8513 | -23.5 | 12 | .2 | 337.9 | 8525 | 350 |
| 375 | -20.5 | M | M | M | 8027 | -21.3 | 11 | .2 | 334.2 | 7969 | -20.8 | 10 | .2 | 334.9 | 8007 | -20.7 | 12 | .2 | 335.1 | 8017 | 375 |
| 400 | -16.8 | M | M | M | 7546 | -17.5 | 10 | .2 | 333.2 | 7489 | -16.6 | 10 | .3 | 334.5 | 7526 | -17.0 | 12 | .3 | 334.1 | 7537 | 400 |
| 425 | -16.2 | M | M | M | 7090 | -14.7 | 10 | .3 | 331.3 | 7032 | -13.1 | 10 | .3 | 333.4 | 7068 | -13.2 | 11 | .4 | 333.4 | 7078 | 425 |
| 450 | -12.7 | M | M | M | 6657 | -13.7 | 10 | .3 | 327.1 | 6600 | -12.0 | 10 | .3 | 329.4 | 6631 | -10.8 | 11 | .4 | 331.3 | 6641 | 450 |
| 475 | -9.4 | M | M | M | 6242 | -11.2 | 12 | .4 | 325.7 | 6188 | -10.8 | 11 | .4 | 326.0 | 6217 | -10.3 | 11 | .4 | 326.7 | 6224 | 475 |
| 500 | -6.8 | M | M | M | 5844 | -7.6 | 10 | .4 | 325.4 | 5791 | -8.3 | 13 | .5 | 324.9 | 5821 | -7.9 | 13 | .5 | 325.4 | 5827 | 500 |
| 525 | -4.5 | M | M | M | 5462 | -6.4 | 68 | 3.1 | 330.8 | 5411 | -5.8 | 15 | .7 | 324.0 | 5440 | -5.2 | 13 | .6 | 324.5 | 5446 | 525 |
| 550 | -1.8 | M | M | M | 5094 | -4.0 | 67 | 3.5 | 330.6 | 5045 | -3.5 | 17 | .9 | 323.2 | 5074 | -2.4 | 15 | .9 | 324.3 | 5079 | 550 |
| 575 | 1.4 | M | M | M | 4739 | -2.0 | 83 | 4.8 | 332.8 | 4693 | -1.3 | 51 | 3.1 | 328.6 | 4721 | .4 | 24 | 1.6 | 326.0 | 4725 | 575 |
| 600 | 3.4 | M | M | M | 4395 | -.5 | 96 | 6.0 | 334.2 | 4353 | .7 | 80 | 5.4 | 333.9 | 4380 | 3.1 | 33 | 2.6 | 328.3 | 4382 | 600 |
| 625 | 5.3 | M | M | M | 4062 | 1.8 | 98 | 6.8 | 335.6 | 4024 | 2.9 | 76 | 5.7 | 333.9 | 4051 | 4.9 | 42 | 3.6 | 329.8 | 4049 | 625 |
| 650 | 7.2 | M | M | M | 3740 | 3.9 | 99 | 7.8 | 337.2 | 3706 | 5.1 | 72 | 6.1 | 333.8 | 3731 | 5.8 | 52 | 4.6 | 330.1 | 3729 | 650 |
| 675 | 8.4 | 91 | 9.4 | 343.8 | 3428 | 6.8 | 65 | 6.0 | 331.9 | 3397 | 7.0 | 56 | 5.2 | 329.7 | 3421 | 7.3 | 38 | 3.6 | 325.5 | 3419 | 675 |
| 700 | 9.0 | 96 | 9.9 | 342.5 | 3126 | 8.0 | 75 | 7.3 | 333.6 | 3096 | 8.6 | 41 | 4.1 | 325.0 | 3122 | 8.9 | 51 | 5.2 | 328.5 | 3119 | 700 |
| 725 | 10.3 | 95 | 10.3 | 341.8 | 2833 | 10.2 | 71 | 7.7 | 334.0 | 2805 | 10.9 | 69 | 7.8 | 335.3 | 2829 | 10.6 | 59 | 6.5 | 331.2 | 2827 | 725 |
| 750 | 11.5 | 94 | 10.8 | 341.1 | 2550 | 11.4 | 82 | 9.3 | 336.7 | 2522 | 12.0 | 67 | 8.0 | 333.8 | 2545 | 12.5 | 57 | 7.0 | 331.6 | 2543 | 750 |
| 775 | 14.1 | 83 | 10.9 | 341.5 | 2273 | 12.5 | 91 | 10.8 | 339.3 | 2246 | 12.8 | 88 | 10.6 | 338.9 | 2270 | 13.2 | 70 | 8.6 | 333.8 | 2267 | 775 |
| 800 | 15.7 | 86 | 12.2 | 344.1 | 2003 | 14.0 | 92 | 11.7 | 340.3 | 1978 | 14.1 | 90 | 11.5 | 339.9 | 2002 | 14.2 | 71 | 9.1 | 333.3 | 1999 | 800 |
| 825 | 16.6 | 90 | 13.1 | 344.5 | 1741 | 15.4 | 93 | 12.6 | 341.4 | 1717 | 15.4 | 92 | 12.4 | 341.0 | 1740 | 15.2 | 69 | 9.1 | 331.6 | 1738 | 825 |
| 850 | 17.5 | 93 | 14.0 | 345.0 | 1485 | 16.8 | 94 | 13.5 | 342.6 | 1462 | 16.7 | 94 | 13.3 | 342.2 | 1485 | 16.4 | 70 | 9.7 | 331.7 | 1484 | 850 |
| 875 | 18.4 | 96 | 14.8 | 345.5 | 1236 | 17.0 | 97 | 13.6 | 340.4 | 1213 | 17.9 | 96 | 14.3 | 343.5 | 1237 | 17.7 | 72 | 10.5 | 332.9 | 1236 | 875 |
| 900 | 19.6 | 95 | 15.4 | 345.9 | 992 | 18.0 | 97 | 14.2 | 340.4 | 972 | 19.0 | 98 | 15.3 | 344.8 | 994 | 18.6 | 69 | 10.4 | 330.7 | 994 | 900 |
| 925 | 20.8 | 95 | 16.1 | 346.3 | 755 | 19.2 | 98 | 15.0 | 341.2 | 736 | 20.5 | 94 | 15.7 | 345.0 | 757 | 19.7 | 66 | 10.3 | 329.3 | 758 | 925 |
| 950 | 21.9 | 95 | 16.7 | 346.8 | 523 | 20.3 | 98 | 15.8 | 342.1 | 505 | 22.1 | 88 | 15.7 | 344.3 | 525 | 21.5 | 69 | 11.8 | 332.7 | 527 | 950 |
| 975 | 23.0 | 94 | 17.4 | 347.2 | 295 | 21.5 | 99 | 16.6 | 343.0 | 279 | 23.7 | 82 | 15.6 | 343.4 | 297 | 23.3 | 66 | 12.3 | 333.9 | 301 | 975 |
| 1000 | 24.5 | 94 | 18.5 | 349.4 | 73 | 23.2 | 89 | 16.1 | 341.5 | 58 | 25.2 | 75 | 15.3 | 341.7 | 75 | 25.3 | 56 | 11.4 | 331.2 | 79 | 1000 |
| SFC. | 24.6 | 94 | 18.5 | 348.7 | 0 | 23.7 | 86 | 16.0 | 341.0 | 0 | 25.5 | 71 | 14.6 | 339.4 | 0 | 26.0 | 52 | 11.0 | 330.0 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.3 | SURFACE PRESSURE | | | | 1006.6 | SURFACE PRESSURE | | | | 1008.5 | SURFACE PRESSURE | | | | 1009.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 3/ 3 2332 GMT | | | | | 3/ 4 3 0 GMT | | | | | 3/ 4 515 GMT | | | | | 3/ 4 9 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.0 | 0 | 0.0 | 460.9 | 19483 | -69.8 | 0 | 0.0 | 454.7 | 19483 | -66.8 | 0 | 0.0 | 461.4 | 19558 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.2 | 16 | .0 | 438.6 | 18555 | -70.3 | 0 | 0.0 | 434.1 | 18563 | -66.9 | 0 | 0.0 | 441.3 | 18627 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 16 | .0 | 409.6 | 17763 | -73.2 | 0 | 0.0 | 411.7 | 17773 | -73.5 | 0 | 0.0 | 411.1 | 17839 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.9 | 16 | .0 | 388.8 | 17090 | -81.3 | 54 | .0 | 382.1 | 17102 | -81.3 | 0 | 0.0 | 382.1 | 17162 | 90 |
| 100 | -80.2 | 15 | .0 | 372.8 | 16520 | -80.6 | 16 | .0 | 372.1 | 16492 | -82.3 | 53 | .0 | 368.7 | 16513 | -82.1 | 15 | .0 | 369.1 | 16574 | 100 |
| 110 | -78.6 | 15 | .0 | 365.8 | 15979 | -79.5 | 16 | .0 | 364.0 | 15955 | -77.8 | 52 | .0 | 367.2 | 15974 | -79.6 | 16 | .0 | 363.8 | 16037 | 110 |
| 120 | -76.2 | 15 | .0 | 361.3 | 15481 | -76.7 | 16 | .0 | 360.3 | 15458 | -75.4 | 51 | .0 | 362.7 | 15473 | -76.6 | 16 | .0 | 360.4 | 15541 | 120 |
| 130 | -72.5 | 15 | .0 | 359.6 | 15015 | -73.4 | 15 | .0 | 358.1 | 14994 | -74.3 | 53 | .0 | 356.5 | 15008 | -73.1 | 16 | .0 | 358.5 | 15076 | 130 |
| 140 | -69.2 | 15 | .0 | 357.9 | 14576 | -70.3 | 15 | .0 | 356.0 | 14557 | -70.7 | 53 | .0 | 355.3 | 14572 | -69.8 | 16 | .0 | 356.8 | 14638 | 140 |
| 150 | -66.1 | 15 | .0 | 356.3 | 14161 | -67.1 | 15 | .0 | 354.5 | 14144 | -67.0 | 53 | .0 | 354.8 | 14160 | -66.6 | 16 | .0 | 355.3 | 14224 | 150 |
| 160 | -63.2 | 15 | .0 | 354.7 | 13767 | -64.0 | 15 | .0 | 353.4 | 13751 | -63.5 | 52 | .0 | 354.2 | 13767 | -63.6 | 15 | .0 | 353.9 | 13831 | 160 |
| 170 | -60.4 | 15 | .0 | 353.2 | 13392 | -61.0 | 15 | .0 | 352.2 | 13377 | -60.5 | 52 | .0 | 353.2 | 13392 | -60.8 | 15 | .0 | 352.5 | 13457 | 170 |
| 180 | -57.8 | 15 | .0 | 351.8 | 13033 | -58.2 | 15 | .0 | 351.1 | 13020 | -57.9 | 52 | .0 | 351.7 | 13034 | -58.0 | 15 | .0 | 351.4 | 13099 | 180 |
| 190 | -55.3 | 15 | .0 | 350.4 | 12690 | -55.6 | 15 | .0 | 349.9 | 12677 | -55.6 | 52 | .1 | 350.2 | 12691 | -55.3 | 14 | .0 | 350.4 | 12756 | 190 |
| 200 | -53.0 | 14 | .0 | 349.0 | 12361 | -53.1 | 15 | .0 | 348.8 | 12349 | -53.3 | 52 | .1 | 348.7 | 12362 | -52.7 | 14 | .0 | 349.4 | 12427 | 200 |
| 225 | -47.6 | 14 | .0 | 345.7 | 11593 | -47.4 | 14 | .0 | 346.0 | 11580 | -47.3 | 52 | .1 | 346.6 | 11594 | -46.1 | 14 | .0 | 348.0 | 11656 | 225 |
| 250 | -41.8 | 13 | .1 | 344.1 | 10888 | -41.7 | 14 | .1 | 344.3 | 10875 | -41.9 | 53 | .2 | 344.7 | 10888 | -41.7 | 16 | .1 | 344.3 | 10946 | 250 |
| 275 | -36.2 | 13 | .1 | 343.1 | 10235 | -36.3 | 13 | .1 | 343.0 | 10221 | -37.0 | 53 | .3 | 342.9 | 10236 | -36.6 | 12 | .1 | 342.6 | 10295 | 275 |
| 300 | -31.1 | 12 | .1 | 342.1 | 9624 | -31.4 | 13 | .1 | 341.7 | 9611 | -32.5 | 53 | .4 | 341.3 | 9628 | -31.0 | 11 | .1 | 342.1 | 9685 | 300 |
| 325 | -26.8 | 12 | .2 | 340.4 | 9053 | -26.8 | 12 | .2 | 340.4 | 9039 | -27.2 | 54 | .7 | 341.7 | 9058 | -26.1 | 10 | .1 | 341.3 | 9111 | 325 |
| 350 | -21.5 | 12 | .2 | 340.7 | 8512 | -22.6 | 12 | .2 | 339.2 | 8500 | -22.4 | 54 | 1.0 | 342.3 | 8518 | -21.6 | 10 | .2 | 340.4 | 8570 | 350 |
| 375 | -19.1 | 12 | .3 | 337.4 | 8001 | -20.7 | 12 | .2 | 335.2 | 7991 | -19.1 | 54 | 1.2 | 340.7 | 8008 | -17.9 | 10 | .2 | 338.9 | 8058 | 375 |
| 400 | -16.5 | 12 | .3 | 334.8 | 7518 | -17.1 | 12 | .3 | 334.0 | 7510 | -16.2 | 54 | 1.5 | 339.2 | 7525 | -14.8 | 10 | .3 | 337.0 | 7573 | 400 |
| 425 | -12.7 | 12 | .4 | 334.3 | 7059 | -13.3 | 12 | .4 | 333.4 | 7052 | -13.2 | 56 | 1.8 | 338.4 | 7066 | -12.3 | 10 | .3 | 334.6 | 7112 | 425 |
| 450 | -10.5 | 12 | .5 | 331.8 | 6621 | -11.6 | 15 | .5 | 330.6 | 6615 | -12.3 | 57 | 1.9 | 334.4 | 6629 | -12.0 | 24 | .8 | 331.1 | 6675 | 450 |
| 475 | -9.7 | 12 | .5 | 327.7 | 6204 | -10.1 | 13 | .5 | 327.3 | 6200 | -9.7 | 61 | 2.3 | 333.9 | 6214 | -9.1 | 43 | 1.7 | 332.7 | 6259 | 475 |
| 500 | -7.2 | 13 | .6 | 326.4 | 5806 | -7.1 | 12 | .6 | 326.4 | 5802 | -7.6 | 60 | 2.6 | 332.5 | 5815 | -6.2 | 28 | 1.4 | 330.3 | 5860 | 500 |
| 525 | -4.5 | 14 | .7 | 325.6 | 5424 | -4.3 | 12 | .6 | 325.6 | 5420 | -4.9 | 62 | 3.2 | 333.0 | 5433 | -3.1 | 32 | 1.9 | 331.1 | 5476 | 525 |
| 550 | -2.2 | 18 | 1.1 | 325.2 | 5056 | -2.2 | 13 | .8 | 324.3 | 5052 | -3.0 | 71 | 4.0 | 333.4 | 5066 | -1.1 | 49 | 3.1 | 333.1 | 5105 | 550 |
| 575 | -1.0 | 32 | 2.0 | 325.5 | 4703 | -.5 | 26 | 1.7 | 325.1 | 4698 | -.8 | 71 | 4.5 | 333.4 | 4712 | -.4 | 50 | 3.2 | 330.1 | 4751 | 575 |
| 600 | 1.0 | 27 | 1.8 | 323.5 | 4362 | 1.3 | 51 | 3.5 | 329.1 | 4356 | 1.3 | 72 | 5.0 | 333.5 | 4370 | 2.6 | 37 | 2.8 | 328.4 | 4408 | 600 |
| 625 | 3.3 | 40 | 3.1 | 326.5 | 4032 | 3.1 | 44 | 3.4 | 327.0 | 4027 | 3.3 | 72 | 5.6 | 333.7 | 4040 | 5.0 | 34 | 2.9 | 328.0 | 4076 | 625 |
| 650 | 5.4 | 49 | 4.3 | 328.6 | 3713 | 5.2 | 48 | 4.1 | 327.9 | 3707 | 5.0 | 72 | 6.1 | 333.7 | 3720 | 7.2 | 36 | 3.6 | 328.7 | 3755 | 650 |
| 675 | 7.0 | 53 | 4.9 | 329.0 | 3403 | 7.1 | 49 | 4.5 | 327.9 | 3398 | 6.3 | 72 | 6.4 | 332.4 | 3411 | 9.3 | 39 | 4.2 | 329.7 | 3443 | 675 |
| 700 | 8.6 | 56 | 5.6 | 329.5 | 3103 | 8.7 | 49 | 5.0 | 327.7 | 3098 | 7.7 | 72 | 6.8 | 332.0 | 3111 | 10.9 | 56 | 6.6 | 335.3 | 3140 | 700 |
| 725 | 10.2 | 59 | 6.3 | 330.1 | 2811 | 10.6 | 73 | 8.1 | 335.8 | 2806 | 9.5 | 72 | 7.4 | 332.4 | 2820 | 12.2 | 79 | 9.8 | 342.6 | 2846 | 725 |
| 750 | 11.7 | 65 | 7.5 | 332.1 | 2528 | 10.3 | 50 | 5.2 | 323.7 | 2522 | 13.4 | 73 | 9.4 | 339.7 | 2535 | 13.9 | 78 | 10.4 | 343.1 | 2560 | 750 |
| 775 | 13.3 | 73 | 9.0 | 335.2 | 2252 | 13.1 | 86 | 10.6 | 339.4 | 2248 | 14.6 | 72 | 9.8 | 339.0 | 2258 | 15.5 | 92 | 13.2 | 350.0 | 2282 | 775 |
| 800 | 14.6 | 70 | 9.2 | 334.2 | 1984 | 14.4 | 88 | 11.4 | 340.1 | 1979 | 15.7 | 72 | 10.1 | 338.1 | 1988 | 16.6 | 85 | 12.8 | 346.8 | 2011 | 800 |
| 825 | 14.6 | 69 | 8.8 | 329.8 | 1723 | 15.6 | 91 | 12.3 | 340.9 | 1717 | 16.7 | 71 | 10.4 | 337.2 | 1726 | 17.6 | 87 | 13.5 | 346.7 | 1748 | 825 |
| 850 | 15.9 | 76 | 10.2 | 332.7 | 1470 | 16.7 | 93 | 13.2 | 341.8 | 1463 | 17.8 | 71 | 10.7 | 336.3 | 1470 | 18.5 | 89 | 14.2 | 346.9 | 1491 | 850 |
| 875 | 17.3 | 83 | 11.8 | 335.8 | 1222 | 17.9 | 95 | 14.1 | 342.8 | 1214 | 19.0 | 70 | 11.2 | 336.3 | 1221 | 19.6 | 90 | 14.9 | 347.2 | 1241 | 875 |
| 900 | 18.4 | 79 | 11.8 | 334.4 | 980 | 19.0 | 94 | 14.6 | 342.8 | 971 | 19.9 | 71 | 11.5 | 335.5 | 978 | 20.6 | 91 | 15.6 | 347.5 | 997 | 900 |
| 925 | 20.0 | 75 | 12.0 | 334.1 | 744 | 20.1 | 92 | 14.9 | 342.3 | 734 | 20.4 | 72 | 11.8 | 334.3 | 741 | 21.5 | 92 | 16.3 | 347.9 | 758 | 925 |
| 950 | 21.7 | 76 | 13.3 | 337.1 | 513 | 21.8 | 80 | 13.9 | 338.9 | 503 | 21.0 | 73 | 12.1 | 333.0 | 510 | 22.5 | 93 | 17.0 | 348.2 | 525 | 950 |
| 975 | 23.5 | 77 | 14.6 | 340.2 | 286 | 23.7 | 71 | 13.6 | 337.9 | 276 | 22.8 | 80 | 14.4 | 338.9 | 284 | 23.9 | 88 | 17.1 | 347.7 | 298 | 975 |
| 1000 | 25.1 | 79 | 16.0 | 343.6 | 63 | 26.2 | 69 | 15.1 | 342.4 | 53 | 24.5 | 86 | 17.0 | 345.4 | 61 | 25.2 | 84 | 17.2 | 347.0 | 75 | 1000 |
| SFC. | 25.6 | 79 | 16.4 | 344.6 | 0 | 26.8 | 69 | 15.4 | 343.5 | 0 | 25.0 | 88 | 17.7 | 347.3 | 0 | 25.6 | 83 | 17.3 | 346.7 | 0 | SFC. |
| | SURFACE PRESSURE 1007.2 | | | | | SURFACE PRESSURE 1006.0 | | | | | SURFACE PRESSURE 1007.0 | | | | | SURFACE PRESSURE 1008.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/ 4 1130 GMT T | RH | W | EPT | H | 3/ 4 18 0 GMT T | RH | W | EPT | H | 3/ 4 2335 GMT T | RH | W | EPT | H | 3/ 5 535 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.4 | 0 | 0.0 | 457.9 | 19433 | -63.7 | 0 | 0.0 | 468.4 | 19559 | -67.4 | 0 | 0.0 | 460.0 | 19465 | -66.5 | 0 | 0.0 | 462.0 | 19525 | 60 |
| 70 | -71.6 | 0 | 0.0 | 431.2 | 18514 | -66.0 | 0 | 0.0 | 443.2 | 18619 | -67.0 | 0 | 0.0 | 441.0 | 18535 | -66.7 | 0 | 0.0 | 441.8 | 18592 | 70 |
| 80 | -77.1 | 0 | 0.0 | 403.7 | 17737 | -74.6 | 0 | 0.0 | 408.9 | 17825 | -75.4 | 15 | .0 | 407.2 | 17740 | -72.3 | 0 | 0.0 | 413.7 | 17795 | 80 |
| 90 | -82.0 | 10 | .0 | 380.6 | 17069 | -77.4 | 30 | .0 | 389.8 | 17148 | -82.2 | 15 | .0 | 380.2 | 17075 | -82.5 | 14 | .0 | 379.6 | 17117 | 90 |
| 100 | -82.0 | 10 | .0 | 369.3 | 16481 | -80.5 | 30 | .0 | 372.2 | 16548 | -82.2 | 16 | .0 | 368.9 | 16485 | -82.7 | 15 | .0 | 368.0 | 16529 | 100 |
| 110 | -79.0 | 10 | .0 | 365.0 | 15944 | -78.2 | 31 | .0 | 366.5 | 16007 | -79.5 | 16 | .0 | 364.1 | 15949 | -79.5 | 15 | .0 | 364.1 | 15993 | 110 |
| 120 | -76.3 | 11 | .0 | 361.0 | 15445 | -76.1 | 31 | .0 | 361.4 | 15507 | -76.9 | 16 | .0 | 359.9 | 15452 | -76.2 | 15 | .0 | 361.1 | 15496 | 120 |
| 130 | -73.6 | 11 | .0 | 357.6 | 14981 | -72.5 | 31 | .0 | 359.6 | 15041 | -73.3 | 16 | .0 | 358.2 | 14988 | -73.2 | 14 | .0 | 358.3 | 15031 | 130 |
| 140 | -70.4 | 11 | .0 | 355.7 | 14545 | -69.3 | 31 | .0 | 357.8 | 14602 | -69.9 | 16 | .0 | 356.6 | 14551 | -70.3 | 14 | .0 | 355.9 | 14594 | 140 |
| 150 | -67.5 | 11 | .0 | 353.9 | 14132 | -66.2 | 30 | .0 | 356.1 | 14187 | -66.8 | 16 | .0 | 355.0 | 14137 | -67.2 | 14 | .0 | 354.4 | 14181 | 150 |
| 160 | -64.7 | 10 | .0 | 352.2 | 13740 | -63.3 | 30 | .0 | 354.5 | 13793 | -63.9 | 16 | .0 | 353.5 | 13744 | -64.2 | 13 | .0 | 352.9 | 13789 | 160 |
| 170 | -62.0 | 10 | .0 | 350.5 | 13368 | -60.6 | 30 | .0 | 352.9 | 13418 | -61.1 | 16 | .0 | 352.0 | 13370 | -61.5 | 13 | .0 | 351.4 | 13415 | 170 |
| 180 | -59.6 | 10 | .0 | 348.8 | 13013 | -57.9 | 30 | .0 | 351.6 | 13061 | -58.4 | 16 | .0 | 350.8 | 13013 | -58.6 | 13 | .0 | 350.5 | 13059 | 180 |
| 190 | -56.6 | 10 | .0 | 348.2 | 12672 | -55.3 | 30 | .0 | 350.5 | 12718 | -55.7 | 15 | .0 | 349.7 | 12671 | -55.8 | 13 | .0 | 349.6 | 12717 | 190 |
| 200 | -53.7 | 10 | .0 | 347.9 | 12345 | -52.8 | 30 | .0 | 349.4 | 12389 | -53.2 | 15 | .0 | 348.7 | 12342 | -53.2 | 12 | .0 | 348.6 | 12388 | 200 |
| 225 | -47.5 | 10 | .0 | 345.9 | 11576 | -47.0 | 31 | .1 | 346.9 | 11618 | -47.4 | 15 | .0 | 346.1 | 11573 | -47.2 | 12 | .0 | 346.4 | 11619 | 225 |
| 250 | -42.4 | 10 | .0 | 343.1 | 10872 | -41.7 | 31 | .1 | 344.6 | 10912 | -42.2 | 14 | .1 | 343.6 | 10869 | -41.5 | 11 | .0 | 344.6 | 10913 | 250 |
| 275 | -37.8 | 10 | .1 | 340.7 | 10222 | -36.2 | 30 | .2 | 343.5 | 10259 | -36.9 | 14 | .1 | 342.1 | 10217 | -36.3 | 11 | .1 | 343.0 | 10259 | 275 |
| 300 | -33.0 | 10 | .1 | 339.2 | 9616 | -31.4 | 31 | .3 | 342.2 | 9649 | -32.0 | 14 | .1 | 340.8 | 9608 | -31.6 | 11 | .1 | 341.3 | 9650 | 300 |
| 325 | -28.6 | 10 | .1 | 337.7 | 9048 | -27.1 | 32 | .4 | 341.0 | 9077 | -27.1 | 13 | .2 | 340.1 | 9037 | -27.3 | 11 | .1 | 339.7 | 9078 | 325 |
| 350 | -23.4 | 10 | .2 | 337.8 | 8512 | -23.3 | 34 | .6 | 339.5 | 8539 | -22.4 | 13 | .2 | 339.6 | 8498 | -21.7 | 10 | .2 | 340.3 | 8539 | 350 |
| 375 | -18.3 | 10 | .2 | 338.4 | 8002 | -20.8 | 38 | .7 | 336.7 | 8031 | -18.4 | 13 | .3 | 338.5 | 7987 | -18.4 | 10 | .2 | 338.2 | 8027 | 375 |
| 400 | -15.8 | 10 | .3 | 335.6 | 7518 | -17.2 | 51 | 1.3 | 337.2 | 7551 | -16.3 | 13 | .3 | 335.2 | 7503 | -16.0 | 10 | .3 | 335.3 | 7544 | 400 |
| 425 | -14.3 | 10 | .3 | 331.9 | 7060 | -12.6 | 67 | 2.3 | 340.8 | 7091 | -13.8 | 37 | 1.1 | 335.3 | 7045 | -14.1 | 49 | 1.5 | 336.2 | 7084 | 425 |
| 450 | -12.7 | 12 | .4 | 328.7 | 6626 | -10.1 | 70 | 2.8 | 340.1 | 6652 | -11.7 | 54 | 1.9 | 335.1 | 6609 | -10.8 | 55 | 2.1 | 336.9 | 6647 | 450 |
| 475 | -10.0 | 11 | .4 | 327.1 | 6212 | -7.5 | 74 | 3.4 | 340.1 | 6233 | -9.5 | 47 | 1.8 | 332.5 | 6193 | -7.8 | 38 | 1.7 | 334.3 | 6229 | 475 |
| 500 | -7.5 | 10 | .4 | 325.6 | 5814 | -4.7 | 76 | 4.1 | 340.9 | 5830 | -6.6 | 19 | .9 | 328.3 | 5794 | -5.4 | 34 | 1.7 | 332.4 | 5828 | 500 |
| 525 | -5.5 | 30 | 1.5 | 326.9 | 5433 | -3.8 | 75 | 4.1 | 337.4 | 5445 | -5.4 | 49 | 2.4 | 329.9 | 5412 | -3.7 | 23 | 1.3 | 328.4 | 5444 | 525 |
| 550 | -3.0 | 38 | 2.1 | 327.8 | 5066 | -1.7 | 80 | 4.9 | 338.1 | 5076 | -3.5 | 38 | 2.0 | 326.9 | 5045 | -2.4 | 61 | 3.6 | 333.0 | 5076 | 550 |
| 575 | -.5 | 16 | 1.0 | 322.9 | 4713 | .1 | 80 | 5.4 | 337.2 | 4720 | -1.3 | 40 | 2.4 | 326.5 | 4692 | .1 | 38 | 2.6 | 328.6 | 4721 | 575 |
| 600 | 1.7 | 18 | 1.3 | 322.4 | 4371 | 1.7 | 80 | 5.8 | 336.4 | 4377 | .7 | 51 | 3.4 | 328.1 | 4352 | 2.6 | 39 | 3.0 | 329.0 | 4378 | 600 |
| 625 | 3.8 | 22 | 1.8 | 322.8 | 4041 | 3.3 | 80 | 6.2 | 335.7 | 4047 | 2.9 | 52 | 3.9 | 328.4 | 4022 | 4.5 | 57 | 4.8 | 333.0 | 4047 | 625 |
| 650 | 5.9 | 32 | 2.8 | 325.0 | 3721 | 4.8 | 80 | 6.7 | 335.1 | 3727 | 5.1 | 50 | 4.2 | 328.0 | 3703 | 6.3 | 71 | 6.6 | 336.6 | 3726 | 650 |
| 675 | 8.0 | 41 | 4.0 | 327.5 | 3411 | 6.3 | 80 | 7.1 | 334.5 | 3418 | 7.1 | 47 | 4.4 | 327.6 | 3394 | 8.6 | 61 | 6.4 | 335.2 | 3414 | 675 |
| 700 | 9.0 | 72 | 7.4 | 335.3 | 3110 | 7.7 | 80 | 7.6 | 334.0 | 3118 | 9.0 | 46 | 4.7 | 327.4 | 3093 | 9.8 | 69 | 7.5 | 336.6 | 3112 | 700 |
| 725 | 10.9 | 80 | 9.1 | 339.0 | 2818 | 9.1 | 80 | 8.0 | 333.6 | 2827 | 10.3 | 52 | 5.6 | 328.2 | 2802 | 11.4 | 71 | 8.2 | 337.1 | 2819 | 725 |
| 750 | 11.8 | 92 | 10.8 | 341.4 | 2533 | 11.2 | 90 | 10.1 | 338.7 | 2545 | 11.4 | 58 | 6.6 | 329.1 | 2519 | 12.5 | 84 | 10.3 | 340.9 | 2534 | 750 |
| 775 | 12.7 | 94 | 11.3 | 340.9 | 2257 | 12.8 | 94 | 11.3 | 341.0 | 2269 | 12.6 | 64 | 7.6 | 330.2 | 2244 | 13.3 | 88 | 10.9 | 340.6 | 2258 | 775 |
| 800 | 13.8 | 96 | 12.0 | 340.9 | 1989 | 14.1 | 93 | 11.8 | 340.9 | 2001 | 13.7 | 70 | 8.6 | 331.3 | 1976 | 15.3 | 87 | 12.0 | 343.0 | 1989 | 800 |
| 825 | 15.0 | 97 | 12.7 | 341.3 | 1728 | 15.3 | 92 | 12.4 | 340.8 | 1739 | 14.8 | 74 | 9.5 | 332.2 | 1716 | 16.8 | 83 | 12.1 | 342.0 | 1727 | 825 |
| 850 | 16.1 | 98 | 13.4 | 341.7 | 1474 | 16.6 | 92 | 12.9 | 340.8 | 1485 | 15.8 | 75 | 10.0 | 332.0 | 1462 | 17.9 | 87 | 13.3 | 343.5 | 1471 | 850 |
| 875 | 18.1 | 98 | 14.8 | 345.0 | 1225 | 17.7 | 91 | 13.4 | 340.8 | 1236 | 16.9 | 76 | 10.6 | 331.9 | 1215 | 18.5 | 92 | 14.3 | 344.2 | 1222 | 875 |
| 900 | 19.2 | 98 | 15.4 | 345.2 | 983 | 19.3 | 91 | 14.4 | 342.4 | 994 | 17.9 | 77 | 11.1 | 331.8 | 973 | 19.3 | 97 | 15.4 | 345.3 | 979 | 900 |
| 925 | 20.2 | 98 | 16.0 | 345.4 | 745 | 20.9 | 91 | 15.5 | 344.9 | 756 | 18.9 | 77 | 11.6 | 331.7 | 738 | 21.4 | 95 | 16.7 | 348.8 | 741 | 925 |
| 950 | 21.4 | 97 | 16.7 | 345.9 | 514 | 22.4 | 91 | 16.6 | 346.9 | 524 | 20.1 | 77 | 12.1 | 331.9 | 508 | 23.0 | 93 | 17.6 | 350.7 | 508 | 950 |
| 975 | 23.5 | 91 | 17.3 | 347.5 | 286 | 23.7 | 91 | 17.5 | 348.6 | 296 | 21.9 | 73 | 12.6 | 332.9 | 282 | 24.3 | 90 | 18.1 | 350.9 | 279 | 975 |
| 1000 | 25.4 | 86 | 17.8 | 348.9 | 62 | 25.1 | 91 | 18.5 | 350.4 | 73 | 23.7 | 70 | 13.0 | 333.7 | 61 | 26.5 | 80 | 17.8 | 350.2 | 56 | 1000 |
| SFC. | 26.0 | 84 | 17.9 | 349.2 | 0 | 25.5 | 91 | 18.9 | 351.0 | 0 | 24.2 | 69 | 13.1 | 333.9 | 0 | 27.0 | 78 | 17.7 | 349.9 | 0 | SFC. |
| | SURFACE PRESSURE 1007.2 | | | | | SURFACE PRESSURE 1008.3 | | | | | SURFACE PRESSURE 1007.0 | | | | | SURFACE PRESSURE 1006.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — PALMYRA ISLAND

| P | 3/ 5 1150 GMT T | RH | W | EPT | H | 3/ 5 1835 GMT T | RH | W | EPT | H | 3/ 6 012 GMT T | RH | W | EPT | H | 3/ 6 6 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.5 | 0 | 0.0 | 457.6 | 19473 | -65.1 | 0 | 0.0 | 465.1 | 19456 | -66.6 | 0 | 0.0 | 461.8 | 19536 | -61.2 | 0 | 0.0 | 473.9 | 19514 | 60 |
| 70 | -70.3 | 24 | .0 | 434.0 | 18550 | -68.8 | 19 | .0 | 437.2 | 18531 | -68.6 | 0 | 0.0 | 437.6 | 18610 | -69.6 | 0 | 0.0 | 435.4 | 18579 | 70 |
| 80 | -73.5 | 18 | .0 | 411.2 | 17753 | -76.0 | 20 | .0 | 406.0 | 17738 | -75.6 | 16 | .0 | 406.9 | 17821 | -75.2 | 0 | 0.0 | 407.6 | 17794 | 80 |
| 90 | -77.2 | 10 | .0 | 390.2 | 17068 | -73.2 | 24 | .0 | 398.2 | 17054 | -76.6 | 16 | .0 | 391.3 | 17139 | -80.2 | 0 | 0.0 | 384.2 | 17120 | 90 |
| 100 | -82.0 | 10 | .0 | 369.3 | 16474 | -80.5 | 22 | .0 | 372.2 | 16456 | -78.5 | 16 | .0 | 376.1 | 16538 | -81.8 | 16 | .0 | 369.7 | 16530 | 100 |
| 110 | -80.6 | 10 | .0 | 362.0 | 15938 | -80.1 | 24 | .0 | 363.1 | 15918 | -78.7 | 16 | .0 | 365.6 | 15996 | -78.8 | 16 | .0 | 365.3 | 15991 | 110 |
| 120 | -77.1 | 13 | .0 | 359.6 | 15443 | -78.3 | 24 | .0 | 357.3 | 15425 | -75.9 | 16 | .0 | 361.8 | 15497 | -76.1 | 15 | .0 | 361.3 | 15493 | 120 |
| 130 | -73.8 | 16 | .0 | 357.3 | 14980 | -74.8 | 23 | .0 | 355.5 | 14964 | -73.2 | 16 | .0 | 358.4 | 15032 | -73.6 | 15 | .0 | 357.6 | 15028 | 130 |
| 140 | -70.8 | 19 | .0 | 355.1 | 14544 | -71.5 | 22 | .0 | 353.8 | 14530 | -70.2 | 16 | .0 | 356.2 | 14595 | -71.3 | 15 | .0 | 354.2 | 14592 | 140 |
| 150 | -68.0 | 22 | .0 | 352.9 | 14132 | -68.4 | 21 | .0 | 352.3 | 14119 | -67.0 | 16 | .0 | 354.8 | 14181 | -68.2 | 16 | .0 | 352.7 | 14182 | 150 |
| 160 | -65.4 | 24 | .0 | 350.9 | 13742 | -65.3 | 21 | .0 | 351.1 | 13729 | -64.0 | 16 | .0 | 353.3 | 13789 | -64.9 | 17 | .0 | 351.8 | 13791 | 160 |
| 170 | -62.9 | 26 | .0 | 349.1 | 13371 | -62.4 | 21 | .0 | 349.9 | 13358 | -61.2 | 15 | .0 | 351.9 | 13415 | -61.9 | 17 | .0 | 350.8 | 13419 | 170 |
| 180 | -59.8 | 24 | .0 | 348.5 | 13016 | -59.7 | 22 | .0 | 348.7 | 13003 | -58.5 | 15 | .0 | 350.6 | 13058 | -59.0 | 18 | .0 | 349.8 | 13063 | 180 |
| 190 | -56.8 | 23 | .0 | 347.9 | 12676 | -57.1 | 22 | .0 | 347.5 | 12663 | -56.0 | 15 | .0 | 349.2 | 12716 | -56.3 | 19 | .0 | 348.8 | 12722 | 190 |
| 200 | -54.1 | 21 | .0 | 347.3 | 12349 | -54.7 | 22 | .0 | 346.3 | 12336 | -53.1 | 15 | .0 | 348.7 | 12388 | -53.7 | 20 | .0 | 347.8 | 12394 | 200 |
| 225 | -47.7 | 18 | .0 | 345.6 | 11582 | -48.6 | 21 | .0 | 344.3 | 11573 | -46.6 | 16 | .0 | 347.3 | 11617 | -47.8 | 44 | .1 | 345.7 | 11627 | 225 |
| 250 | -42.0 | 15 | .1 | 343.9 | 10878 | -42.5 | 20 | .1 | 343.2 | 10870 | -41.7 | 17 | .1 | 344.4 | 10911 | -42.3 | 55 | .2 | 344.0 | 10923 | 250 |
| 275 | -36.8 | 12 | .1 | 342.2 | 10225 | -37.0 | 18 | .1 | 342.1 | 10219 | -35.8 | 16 | .1 | 343.8 | 10256 | -36.7 | 55 | .3 | 343.4 | 10271 | 275 |
| 300 | -32.1 | 11 | .1 | 340.6 | 9617 | -32.5 | 17 | .1 | 340.1 | 9611 | -30.6 | 16 | .2 | 342.9 | 9645 | -32.0 | 28 | .2 | 341.3 | 9663 | 300 |
| 325 | -27.8 | 11 | .1 | 338.9 | 9047 | -28.0 | 17 | .2 | 338.9 | 9041 | -26.2 | 15 | .2 | 341.4 | 9071 | -27.0 | 21 | .3 | 340.6 | 9091 | 325 |
| 350 | -24.6 | 10 | .1 | 336.2 | 8510 | -23.8 | 17 | .3 | 337.8 | 8505 | -22.2 | 14 | .3 | 339.9 | 8531 | -22.3 | 14 | .3 | 339.8 | 8552 | 350 |
| 375 | -19.9 | M | M | M | 8003 | -20.4 | 17 | .3 | 335.9 | 7998 | -18.4 | 13 | .3 | 338.4 | 8020 | -18.4 | 10 | .2 | 338.2 | 8041 | 375 |
| 400 | -16.7 | M | M | M | 7521 | -16.2 | 16 | .4 | 335.6 | 7516 | -14.9 | 12 | .4 | 337.0 | 7535 | -15.8 | 10 | .3 | 335.6 | 7557 | 400 |
| 425 | -14.6 | 20 | .6 | 332.4 | 7064 | -13.1 | 17 | .6 | 334.2 | 7057 | -12.3 | 24 | .8 | 336.4 | 7074 | -14.1 | 60 | 1.8 | 337.3 | 7098 | 425 |
| 450 | -11.5 | 35 | 1.2 | 333.2 | 6628 | -12.3 | 21 | .7 | 330.4 | 6621 | -10.8 | 33 | 1.2 | 334.1 | 6636 | -10.7 | 48 | 1.8 | 336.2 | 6662 | 450 |
| 475 | -8.7 | 33 | 1.4 | 332.2 | 6212 | -9.7 | 21 | .8 | 328.9 | 6206 | -8.2 | 20 | .9 | 330.9 | 6218 | -7.1 | 17 | .8 | 332.0 | 6243 | 475 |
| 500 | -6.5 | 16 | .7 | 327.8 | 5812 | -8.2 | 44 | 1.8 | 329.3 | 5809 | -5.8 | 18 | .9 | 329.2 | 5818 | -4.6 | 17 | .9 | 330.8 | 5841 | 500 |
| 525 | -4.3 | 13 | .7 | 325.9 | 5429 | -5.2 | 17 | .8 | 325.2 | 5428 | -4.2 | 29 | 1.5 | 328.6 | 5434 | -2.9 | 71 | 4.1 | 338.6 | 5456 | 525 |
| 550 | -3.8 | 15 | .8 | 322.4 | 5062 | -4.0 | 19 | 1.0 | 322.7 | 5062 | -4.0 | 18 | .9 | 322.7 | 5068 | -1.6 | 88 | 5.5 | 339.9 | 5085 | 550 |
| 575 | -1.3 | 26 | 1.6 | 323.8 | 4709 | -2.0 | 34 | 2.0 | 324.3 | 4710 | -1.2 | 34 | 2.0 | 325.5 | 4715 | -.3 | 88 | 5.7 | 337.8 | 4730 | 575 |
| 600 | 1.0 | 39 | 2.7 | 326.1 | 4369 | .2 | 39 | 2.5 | 324.6 | 4370 | 1.5 | 49 | 3.5 | 329.2 | 4374 | 1.9 | 77 | 5.6 | 336.2 | 4387 | 600 |
| 625 | 2.9 | 63 | 4.8 | 330.8 | 4039 | 2.1 | 53 | 3.8 | 326.9 | 4042 | 4.1 | 63 | 5.2 | 333.6 | 4043 | 3.9 | 69 | 5.6 | 334.7 | 4056 | 625 |
| 650 | 4.9 | 72 | 6.0 | 333.2 | 3720 | 4.0 | 53 | 4.1 | 326.6 | 3724 | 6.2 | 77 | 7.1 | 338.0 | 3722 | 6.3 | 56 | 5.2 | 332.5 | 3736 | 650 |
| 675 | 7.0 | 71 | 6.6 | 334.0 | 3410 | 5.8 | 52 | 4.5 | 326.2 | 3416 | 8.1 | 90 | 9.1 | 342.6 | 3411 | 8.6 | 44 | 4.6 | 329.9 | 3425 | 675 |
| 700 | 9.0 | 71 | 7.3 | 334.9 | 3109 | 8.7 | 33 | 3.3 | 322.7 | 3116 | 9.1 | 94 | 9.8 | 342.2 | 3109 | 10.1 | 52 | 5.8 | 331.8 | 3123 | 700 |
| 725 | 10.6 | 71 | 7.9 | 335.3 | 2817 | 10.4 | 43 | 4.7 | 325.7 | 2825 | 9.8 | 93 | 9.8 | 339.8 | 2817 | 12.1 | 49 | 6.0 | 331.6 | 2830 | 725 |
| 750 | 12.0 | 76 | 8.9 | 336.5 | 2533 | 12.2 | 44 | 5.2 | 326.0 | 2542 | 10.0 | 84 | 8.7 | 333.3 | 2534 | 13.2 | 78 | 10.0 | 341.0 | 2544 | 750 |
| 775 | 12.5 | 95 | 11.2 | 340.3 | 2258 | 12.9 | 51 | 6.1 | 326.3 | 2266 | 13.1 | 98 | 12.1 | 343.6 | 2258 | 14.2 | 80 | 10.6 | 340.7 | 2267 | 775 |
| 800 | 12.9 | 96 | 11.3 | 337.9 | 1990 | 13.7 | 64 | 7.9 | 329.3 | 1999 | 14.4 | 98 | 12.7 | 343.7 | 1990 | 15.2 | 82 | 11.2 | 340.4 | 1998 | 800 |
| 825 | 15.2 | 91 | 12.1 | 340.1 | 1729 | 14.7 | 74 | 9.5 | 332.1 | 1739 | 15.8 | 98 | 13.6 | 344.9 | 1728 | 15.9 | 89 | 12.3 | 341.5 | 1736 | 825 |
| 850 | 16.7 | 91 | 13.0 | 341.2 | 1475 | 16.1 | 76 | 10.4 | 333.4 | 1485 | 17.2 | 99 | 14.5 | 346.1 | 1472 | 17.0 | 94 | 13.7 | 343.5 | 1481 | 850 |
| 875 | 18.1 | 92 | 13.8 | 342.4 | 1226 | 17.5 | 78 | 11.3 | 334.8 | 1237 | 18.6 | 99 | 15.4 | 347.3 | 1223 | 18.2 | 99 | 15.1 | 345.9 | 1232 | 875 |
| 900 | 19.5 | 92 | 14.7 | 343.6 | 983 | 18.8 | 80 | 12.3 | 336.3 | 995 | 19.9 | 99 | 16.3 | 348.6 | 980 | 19.5 | 98 | 15.8 | 346.7 | 989 | 900 |
| 925 | 20.8 | 92 | 15.6 | 344.9 | 745 | 20.1 | 82 | 13.3 | 337.9 | 758 | 21.1 | 99 | 17.1 | 349.5 | 741 | 21.2 | 98 | 16.9 | 349.0 | 751 | 925 |
| 950 | 21.7 | 90 | 15.7 | 343.7 | 513 | 21.4 | 84 | 14.3 | 339.6 | 527 | 21.9 | 99 | 17.5 | 348.7 | 509 | 22.5 | 97 | 17.9 | 350.5 | 518 | 950 |
| 975 | 23.7 | 83 | 15.9 | 344.1 | 286 | 23.2 | 82 | 15.1 | 341.4 | 300 | 22.3 | 92 | 16.2 | 343.2 | 282 | 23.8 | 94 | 18.2 | 350.6 | 290 | 975 |
| 1000 | 25.6 | 77 | 16.1 | 344.3 | 63 | 25.7 | 74 | 15.5 | 342.8 | 77 | 22.5 | 83 | 14.4 | 335.9 | 61 | 25.7 | 87 | 18.4 | 350.7 | 67 | 1000 |
| SFC. | 26.1 | 75 | 16.1 | 344.2 | 0 | 26.5 | 71 | 15.5 | 343.1 | 0 | 22.6 | 80 | 13.8 | 333.9 | 0 | 26.2 | 85 | 18.4 | 350.6 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.2 | SURFACE PRESSURE | | | | 1008.8 | SURFACE PRESSURE | | | | 1007.0 | SURFACE PRESSURE | | | | 1007.6 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/ 6 1115 GMT T | RH | W | EPT | H | 3/ 6 15 0 GMT T | RH | W | EPT | H | 3/ 6 1845 GMT T | RH | W | EPT | H | 3/ 6 2150 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.9 | 0 | 0.0 | 463.4 | 19460 | -64.2 | 0 | 0.0 | 467.2 | 19544 | -62.5 | 0 | 0.0 | 471.0 | 19656 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 19 | .0 | 438.4 | 18535 | -66.0 | 0 | 0.0 | 443.2 | 18603 | -66.6 | 0 | 0.0 | 441.9 | 18715 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.8 | 19 | .0 | 410.5 | 17745 | -75.0 | 18 | .0 | 408.1 | 17810 | -71.7 | 0 | 0.0 | 414.8 | 17915 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.7 | 19 | .0 | 387.1 | 17066 | -80.5 | 18 | .0 | 383.5 | 17133 | -78.4 | 0 | 0.0 | 387.7 | 17232 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -83.1 | 19 | .0 | 367.2 | 16472 | -80.0 | 18 | .0 | 373.2 | 16540 | -79.5 | 19 | .0 | 374.2 | 16634 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.1 | 19 | .0 | 363.0 | 15938 | -78.3 | 19 | .0 | 366.3 | 15999 | -76.6 | 19 | .0 | 369.5 | 16090 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.3 | 18 | .0 | 359.2 | 15442 | -75.8 | 18 | .0 | 361.9 | 15500 | -75.0 | 19 | .0 | 363.5 | 15587 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.5 | 18 | .0 | 356.1 | 14980 | -73.1 | 18 | .0 | 358.5 | 15034 | -72.2 | 19 | .0 | 360.3 | 15120 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.3 | 18 | .0 | 354.2 | 14545 | -69.9 | 18 | .0 | 356.7 | 14596 | -69.0 | 19 | .0 | 358.2 | 14680 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 19 | .0 | 352.4 | 14135 | -66.9 | 18 | .0 | 355.0 | 14183 | -66.1 | 19 | .0 | 356.3 | 14265 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.5 | 19 | .0 | 350.7 | 13745 | -62.9 | 18 | .0 | 355.2 | 13789 | -63.2 | 19 | .0 | 354.6 | 13871 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.4 | 19 | .0 | 349.8 | 13374 | -60.7 | 17 | .0 | 352.7 | 13414 | -60.5 | 19 | .0 | 353.0 | 13495 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.4 | 19 | .0 | 349.1 | 13018 | -58.5 | 17 | .0 | 350.7 | 13057 | -58.0 | 19 | .0 | 351.5 | 13137 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.5 | 19 | .0 | 348.4 | 12678 | -55.7 | 16 | .0 | 349.8 | 12714 | -55.6 | 19 | .0 | 350.0 | 12795 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.8 | 19 | .0 | 347.7 | 12350 | -53.1 | 16 | .0 | 348.9 | 12386 | -52.9 | 19 | .0 | 349.2 | 12466 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.6 | 18 | .0 | 345.8 | 11583 | -47.0 | 15 | .0 | 346.6 | 11616 | -46.5 | 20 | .1 | 347.5 | 11695 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.0 | 18 | .1 | 344.0 | 10878 | -41.6 | 14 | .1 | 344.5 | 10910 | -40.1 | 23 | .1 | 347.0 | 10986 | 250 |
| 275 | -37.1 | 54 | .3 | 342.8 | 10249 | -37.5 | 35 | .2 | 341.7 | 10226 | -36.1 | 14 | .1 | 343.3 | 10256 | -34.5 | 30 | .2 | 346.1 | 10328 | 275 |
| 300 | -32.2 | 59 | .5 | 342.0 | 9641 | -33.2 | 79 | .6 | 340.9 | 9620 | -31.3 | 14 | .1 | 341.8 | 9646 | -29.6 | 37 | .4 | 345.4 | 9713 | 300 |
| 325 | -27.7 | 51 | .6 | 340.9 | 9071 | -29.1 | 51 | .5 | 338.6 | 9053 | -28.1 | 20 | .2 | 339.0 | 9075 | -24.9 | 43 | .7 | 345.0 | 9137 | 325 |
| 350 | -22.7 | 48 | .8 | 341.3 | 8533 | -24.2 | 18 | .3 | 337.2 | 8519 | -23.7 | 21 | .3 | 338.1 | 8538 | -20.9 | 51 | 1.1 | 344.6 | 8593 | 350 |
| 375 | -18.2 | 45 | 1.1 | 341.6 | 8022 | -19.6 | 13 | .3 | 336.8 | 8011 | -19.2 | 18 | .4 | 337.8 | 8030 | -17.5 | 62 | 1.6 | 344.2 | 8080 | 375 |
| 400 | -15.6 | 46 | 1.3 | 339.5 | 7537 | -16.4 | 35 | .9 | 337.1 | 7529 | -15.8 | 41 | 1.1 | 338.7 | 7546 | -15.7 | 63 | 1.8 | 341.0 | 7595 | 400 |
| 425 | -13.5 | 58 | 1.8 | 338.2 | 7078 | -14.4 | 22 | .6 | 332.9 | 7071 | -13.7 | 62 | 2.0 | 338.3 | 7087 | -12.3 | 64 | 2.2 | 341.1 | 7134 | 425 |
| 450 | -10.7 | 60 | 2.3 | 337.7 | 6641 | -11.4 | 24 | .8 | 331.9 | 6636 | -11.7 | 29 | 1.0 | 332.2 | 6651 | -9.4 | 42 | 1.8 | 337.7 | 6694 | 450 |
| 475 | -7.2 | 54 | 2.5 | 337.7 | 6222 | -8.3 | 13 | .6 | 329.8 | 6219 | -9.6 | 37 | 1.4 | 331.2 | 6235 | -8.3 | 34 | 1.5 | 332.9 | 6275 | 475 |
| 500 | -6.1 | 63 | 3.0 | 335.8 | 5820 | -6.7 | 49 | 2.3 | 332.6 | 5819 | -6.5 | 35 | 1.6 | 330.8 | 5836 | -5.0 | 40 | 2.1 | 334.4 | 5874 | 500 |
| 525 | -3.8 | M | M | M | 5436 | -5.1 | 69 | 3.4 | 333.5 | 5437 | -4.9 | 33 | 1.7 | 328.3 | 5453 | -2.5 | 33 | 2.0 | 332.4 | 5488 | 525 |
| 550 | -1.9 | M | M | M | 5067 | -2.7 | 78 | 4.5 | 335.4 | 5069 | -2.3 | 55 | 3.2 | 332.0 | 5086 | -.1 | 25 | 1.7 | 329.8 | 5118 | 550 |
| 575 | -.2 | M | M | M | 4713 | -.7 | 74 | 4.7 | 334.4 | 4715 | .3 | 53 | 3.6 | 332.3 | 4731 | 2.1 | 17 | 1.3 | 327.0 | 4760 | 575 |
| 600 | 2.0 | M | M | M | 4371 | 1.2 | 71 | 4.9 | 333.3 | 4373 | 3.0 | 44 | 3.5 | 330.9 | 4388 | 3.2 | 44 | 3.5 | 331.5 | 4416 | 600 |
| 625 | 4.8 | M | M | M | 4041 | 3.5 | 48 | 3.8 | 328.6 | 4043 | 4.3 | 47 | 3.9 | 330.0 | 4056 | 5.3 | 46 | 4.1 | 331.7 | 4084 | 625 |
| 650 | 6.3 | M | M | M | 3721 | 5.5 | 52 | 4.6 | 329.7 | 3723 | 5.5 | 41 | 3.6 | 326.8 | 3736 | 7.8 | 31 | 3.2 | 328.2 | 3762 | 650 |
| 675 | 7.6 | M | M | M | 3411 | 7.1 | 57 | 5.3 | 330.2 | 3413 | 6.7 | 56 | 5.1 | 329.3 | 3426 | 8.4 | 68 | 7.0 | 336.8 | 3450 | 675 |
| 700 | 7.5 | M | M | M | 3112 | 9.4 | 43 | 4.6 | 327.4 | 3113 | 9.2 | 53 | 5.5 | 329.7 | 3126 | 10.2 | 59 | 6.6 | 334.3 | 3148 | 700 |
| 725 | 7.3 | M | M | M | 2824 | 11.7 | 30 | 3.6 | 323.7 | 2820 | 11.0 | 64 | 7.3 | 333.8 | 2834 | 11.8 | 50 | 6.0 | 331.1 | 2855 | 725 |
| 750 | 12.9 | 75 | 9.4 | 339.0 | 2541 | 13.4 | 30 | 3.8 | 323.3 | 2536 | 12.3 | 65 | 7.8 | 333.6 | 2550 | 13.2 | 83 | 10.6 | 342.9 | 2570 | 750 |
| 775 | 14.3 | 76 | 10.1 | 339.6 | 2264 | 15.0 | 31 | 4.2 | 323.2 | 2259 | 12.8 | 53 | 6.4 | 326.9 | 2274 | 14.9 | 83 | 11.4 | 343.9 | 2292 | 775 |
| 800 | 15.7 | 77 | 10.9 | 340.3 | 1994 | 15.6 | 61 | 8.5 | 333.5 | 1990 | 13.0 | 69 | 8.1 | 329.2 | 2007 | 16.0 | 86 | 12.4 | 344.8 | 2022 | 800 |
| 825 | 17.1 | 78 | 11.6 | 341.1 | 1731 | 16.0 | 72 | 10.0 | 335.0 | 1728 | 15.2 | 84 | 11.1 | 337.1 | 1747 | 17.0 | 90 | 13.4 | 345.9 | 1759 | 825 |
| 850 | 18.4 | 79 | 12.4 | 341.9 | 1475 | 16.8 | 87 | 12.4 | 339.8 | 1473 | 17.0 | 86 | 12.5 | 340.2 | 1492 | 18.7 | 91 | 14.7 | 348.7 | 1502 | 850 |
| 875 | 18.0 | 92 | 13.8 | 342.1 | 1226 | 18.4 | 88 | 13.5 | 341.9 | 1225 | 18.7 | 88 | 13.8 | 343.1 | 1243 | 20.4 | 93 | 16.2 | 351.8 | 1252 | 875 |
| 900 | 19.1 | 98 | 15.3 | 344.8 | 983 | 20.0 | 88 | 14.5 | 343.9 | 981 | 19.8 | 85 | 13.9 | 341.8 | 1000 | 20.0 | 92 | 15.2 | 345.7 | 1007 | 900 |
| 925 | 21.2 | 99 | 17.2 | 350.0 | 745 | 21.6 | 88 | 15.6 | 346.0 | 743 | 20.6 | 76 | 12.6 | 336.5 | 763 | 21.6 | 84 | 15.0 | 344.4 | 769 | 925 |
| 950 | 23.6 | 98 | 19.2 | 355.6 | 512 | 23.1 | 88 | 16.7 | 348.2 | 510 | 22.1 | 84 | 14.9 | 342.0 | 531 | 24.8 | 84 | 17.7 | 353.1 | 536 | 950 |
| 975 | 25.3 | 93 | 19.6 | 356.3 | 283 | 24.6 | 88 | 17.8 | 350.5 | 282 | 23.9 | 83 | 16.2 | 345.3 | 304 | 26.0 | 83 | 18.3 | 353.6 | 306 | 975 |
| 1000 | 27.0 | 87 | 19.9 | 356.8 | 59 | 26.0 | 88 | 19.0 | 352.9 | 58 | 26.3 | 72 | 15.7 | 344.2 | 80 | 27.1 | 82 | 18.9 | 354.1 | 81 | 1000 |
| SFC. | 27.4 | 86 | 20.0 | 356.9 | 0 | 26.4 | 88 | 19.3 | 353.5 | 0 | 27.1 | 68 | 15.4 | 343.5 | 0 | 27.5 | 82 | 19.1 | 354.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1006.6 | SURFACE PRESSURE | | | | 1006.6 | SURFACE PRESSURE | | | | 1009.1 | SURFACE PRESSURE | | | | 1009.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — PALMYRA ISLAND

| P | 3/ 6 2340 GMT T | RH | W | EPT | H | 3/ 7 350 GMT T | RH | W | EPT | H | 3/ 7 542 GMT T | RH | W | EPT | H | 3/ 7 850 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.9 | 0 | 0.0 | 467.9 | 19629 | -67.6 | 0 | 0.0 | 459.6 | 19430 | -68.1 | 0 | 0.0 | 458.6 | 19591 | -65.0 | 0 | 0.0 | 465.4 | 19515 | 60 |
| 70 | -66.1 | 0 | 0.0 | 442.9 | 18689 | -70.0 | 29 | .0 | 434.8 | 18502 | -68.5 | 0 | 0.0 | 437.9 | 18663 | -67.6 | 0 | 0.0 | 439.8 | 18582 | 70 |
| 80 | -72.5 | 0 | 0.0 | 413.2 | 17889 | -75.4 | 30 | .0 | 407.3 | 17720 | -74.6 | 36 | .0 | 409.0 | 17880 | -75.1 | 34 | .0 | 407.9 | 17793 | 80 |
| 90 | -75.7 | 0 | 0.0 | 393.1 | 17200 | -74.8 | 30 | .0 | 395.0 | 17038 | -75.7 | 37 | .0 | 393.2 | 17197 | -73.9 | 34 | .0 | 396.8 | 17108 | 90 |
| 100 | -79.6 | 17 | .0 | 374.0 | 16599 | -82.4 | 30 | .0 | 368.5 | 16439 | -81.1 | 39 | .0 | 371.1 | 16596 | -83.0 | 34 | .0 | 367.4 | 16501 | 100 |
| 110 | -77.0 | 16 | .0 | 368.8 | 16058 | -80.6 | 27 | .0 | 362.1 | 15904 | -78.7 | 38 | .0 | 365.7 | 16057 | -80.0 | 34 | .0 | 363.2 | 15966 | 110 |
| 120 | -75.3 | 14 | .0 | 362.8 | 15556 | -78.4 | 26 | .0 | 357.2 | 15411 | -76.4 | 37 | .0 | 360.8 | 15558 | -77.3 | 34 | .0 | 359.3 | 15471 | 120 |
| 130 | -71.4 | 14 | .0 | 361.6 | 15089 | -75.1 | 28 | .0 | 355.1 | 14950 | -73.6 | 37 | .0 | 357.7 | 15094 | -74.7 | 34 | .0 | 355.7 | 15008 | 130 |
| 140 | -69.2 | 15 | .0 | 357.9 | 14648 | -72.0 | 29 | .0 | 353.0 | 14517 | -70.3 | 37 | .0 | 356.1 | 14658 | -72.4 | 34 | .0 | 352.3 | 14575 | 140 |
| 150 | -66.3 | 15 | .0 | 355.8 | 14234 | -69.2 | 30 | .0 | 351.0 | 14108 | -67.1 | 37 | .0 | 354.5 | 14245 | -69.7 | 34 | .0 | 350.1 | 14167 | 150 |
| 160 | -63.5 | 16 | .0 | 354.2 | 13840 | -66.2 | 30 | .0 | 349.6 | 13720 | -64.2 | 37 | .0 | 353.0 | 13852 | -66.6 | 34 | .0 | 348.9 | 13780 | 160 |
| 170 | -60.7 | 16 | .0 | 352.7 | 13465 | -63.1 | 30 | .0 | 348.7 | 13349 | -61.2 | 37 | .0 | 351.9 | 13479 | -63.8 | 33 | .0 | 347.6 | 13411 | 170 |
| 180 | -58.0 | 16 | .0 | 351.4 | 13108 | -60.3 | 30 | .0 | 347.7 | 12995 | -58.3 | 38 | .0 | 351.1 | 13122 | -61.1 | 33 | .0 | 346.5 | 13058 | 180 |
| 190 | -55.4 | 17 | .0 | 350.2 | 12765 | -57.6 | 30 | .0 | 346.8 | 12656 | -55.4 | 39 | .0 | 350.3 | 12779 | -58.5 | 33 | .0 | 345.3 | 12720 | 190 |
| 200 | -52.9 | 17 | .0 | 349.1 | 12436 | -55.0 | 30 | .0 | 345.8 | 12330 | -52.8 | 40 | .1 | 349.5 | 12450 | -55.7 | 33 | .0 | 344.8 | 12395 | 200 |
| 225 | -46.4 | 16 | .0 | 347.6 | 11665 | -48.3 | 27 | .1 | 344.8 | 11567 | -46.6 | 42 | .1 | 347.5 | 11679 | -49.2 | 34 | .1 | 343.4 | 11634 | 225 |
| 250 | -40.3 | 15 | .1 | 346.5 | 10956 | -42.1 | 24 | .1 | 343.8 | 10863 | -40.4 | 34 | .2 | 346.7 | 10971 | -42.9 | 33 | .1 | 342.8 | 10934 | 250 |
| 275 | -34.8 | 15 | .1 | 345.3 | 10298 | -36.6 | 22 | .1 | 342.8 | 10211 | -34.7 | 26 | .2 | 345.8 | 10313 | -36.9 | 31 | .2 | 342.6 | 10283 | 275 |
| 300 | -29.8 | 16 | .2 | 344.1 | 9684 | -31.7 | 20 | .2 | 341.4 | 9602 | -29.4 | 18 | .2 | 344.7 | 9699 | -31.4 | 29 | .3 | 342.2 | 9673 | 300 |
| 325 | -25.9 | 32 | .5 | 342.9 | 9109 | -27.7 | 21 | .2 | 339.5 | 9031 | -25.4 | 18 | .3 | 342.8 | 9123 | -26.7 | 16 | .2 | 340.8 | 9101 | 325 |
| 350 | -21.8 | 31 | .6 | 341.7 | 8568 | -24.0 | 21 | .3 | 337.7 | 8494 | -22.0 | 39 | .7 | 341.9 | 8581 | -22.7 | 17 | .3 | 339.3 | 8562 | 350 |
| 375 | -17.8 | 20 | .5 | 339.9 | 8056 | -21.5 | 44 | .8 | 336.2 | 7988 | -19.6 | 78 | 1.7 | 341.7 | 8071 | -19.3 | 26 | .6 | 338.3 | 8052 | 375 |
| 400 | -14.9 | 37 | 1.1 | 339.7 | 7570 | -17.9 | 65 | 1.5 | 337.1 | 7509 | -15.8 | 63 | 1.8 | 340.7 | 7588 | -16.8 | 40 | 1.0 | 337.0 | 7570 | 400 |
| 425 | -10.6 | 42 | 1.7 | 341.4 | 7108 | -14.6 | 69 | 2.0 | 337.2 | 7053 | -12.0 | 60 | 2.2 | 341.2 | 7127 | -13.6 | 62 | 1.9 | 338.3 | 7112 | 425 |
| 450 | -8.7 | 49 | 2.2 | 340.0 | 6665 | -12.4 | 71 | 2.3 | 335.6 | 6617 | -9.9 | 83 | 3.3 | 342.0 | 6687 | -10.1 | 59 | 2.3 | 338.7 | 6674 | 450 |
| 475 | -8.4 | 58 | 2.5 | 335.9 | 6246 | -10.0 | 97 | 3.6 | 337.7 | 6202 | -7.7 | 95 | 4.3 | 342.8 | 6268 | -8.6 | 83 | 3.5 | 339.1 | 6255 | 475 |
| 500 | -5.6 | 31 | 1.5 | 331.6 | 5846 | -7.6 | 49 | 2.1 | 331.1 | 5804 | -4.5 | 50 | 2.7 | 336.7 | 5866 | -6.4 | 60 | 2.8 | 334.7 | 5856 | 500 |
| 525 | -3.7 | 26 | 1.4 | 329.0 | 5462 | -4.6 | 25 | 1.3 | 327.4 | 5423 | -1.7 | 22 | 1.4 | 331.3 | 5480 | -3.4 | 34 | 1.9 | 330.8 | 5472 | 525 |
| 550 | -1.1 | 20 | 1.3 | 327.2 | 5093 | -1.7 | 22 | 1.3 | 326.7 | 5054 | .9 | 16 | 1.2 | 329.5 | 5108 | .0 | 17 | 1.2 | 328.4 | 5102 | 550 |
| 575 | 1.4 | 30 | 2.2 | 329.1 | 4737 | 1.1 | 19 | 1.3 | 325.9 | 4699 | 3.4 | 18 | 1.5 | 329.4 | 4749 | 2.4 | 33 | 2.6 | 331.6 | 4744 | 575 |
| 600 | 3.7 | 40 | 3.4 | 331.5 | 4393 | 3.0 | 17 | 1.3 | 324.2 | 4356 | 5.8 | 22 | 2.1 | 330.0 | 4402 | 5.3 | 21 | 1.9 | 328.9 | 4398 | 600 |
| 625 | 4.8 | 35 | 3.0 | 327.8 | 4060 | 4.9 | 26 | 2.2 | 325.5 | 4024 | 7.6 | 21 | 2.2 | 328.5 | 4067 | 5.6 | 18 | 1.6 | 324.5 | 4064 | 625 |
| 650 | 7.1 | 37 | 3.6 | 328.6 | 3739 | 6.7 | 43 | 4.0 | 329.6 | 3703 | 8.6 | 33 | 3.6 | 330.4 | 3743 | 7.2 | 27 | 2.6 | 325.8 | 3743 | 650 |
| 675 | 8.9 | 43 | 4.6 | 330.2 | 3428 | 8.2 | 40 | 4.0 | 327.7 | 3392 | 9.5 | 45 | 5.0 | 332.2 | 3431 | 8.8 | 35 | 3.7 | 327.4 | 3431 | 675 |
| 700 | 10.5 | 46 | 5.2 | 330.6 | 3126 | 9.5 | 38 | 4.0 | 325.9 | 3091 | 11.1 | 42 | 5.0 | 330.7 | 3128 | 10.3 | 43 | 4.8 | 329.3 | 3129 | 700 |
| 725 | 12.1 | 35 | 4.3 | 326.3 | 2832 | 10.9 | 37 | 4.1 | 324.4 | 2799 | 12.9 | 33 | 4.2 | 327.2 | 2834 | 12.1 | 40 | 4.9 | 328.3 | 2836 | 725 |
| 750 | 12.7 | 58 | 7.1 | 332.2 | 2548 | 12.2 | 41 | 4.9 | 325.1 | 2516 | 14.3 | 37 | 5.1 | 328.2 | 2549 | 13.9 | 35 | 4.6 | 326.2 | 2551 | 750 |
| 775 | 13.9 | 63 | 8.2 | 333.6 | 2272 | 13.4 | 46 | 5.7 | 325.9 | 2240 | 15.7 | 43 | 6.2 | 330.0 | 2271 | 14.3 | 50 | 6.7 | 329.6 | 2274 | 775 |
| 800 | 16.1 | 48 | 6.9 | 329.3 | 2003 | 14.7 | 50 | 6.6 | 326.8 | 1972 | 16.8 | 52 | 7.8 | 332.8 | 2001 | 14.3 | 72 | 9.2 | 333.8 | 2006 | 800 |
| 825 | 16.6 | 60 | 8.7 | 332.0 | 1740 | 14.8 | 69 | 8.9 | 330.5 | 1711 | 16.8 | 75 | 11.0 | 339.0 | 1738 | 15.8 | 66 | 9.1 | 332.2 | 1745 | 825 |
| 850 | 18.1 | 54 | 8.3 | 329.9 | 1485 | 15.5 | 79 | 10.4 | 332.7 | 1458 | 18.1 | 77 | 11.9 | 340.0 | 1482 | 17.3 | 69 | 10.1 | 334.0 | 1490 | 850 |
| 875 | 19.1 | 67 | 10.7 | 335.1 | 1236 | 16.9 | 80 | 11.2 | 333.6 | 1211 | 19.6 | 75 | 12.4 | 340.3 | 1232 | 18.9 | 72 | 11.4 | 336.6 | 1241 | 875 |
| 900 | 21.4 | 62 | 11.2 | 336.3 | 992 | 19.0 | 70 | 10.8 | 332.5 | 969 | 21.5 | 70 | 12.7 | 340.6 | 988 | 19.7 | 83 | 13.4 | 340.3 | 998 | 900 |
| 925 | 22.3 | 69 | 12.7 | 338.9 | 754 | 20.5 | 81 | 13.4 | 338.6 | 732 | 22.0 | 92 | 16.8 | 350.0 | 750 | 20.8 | 93 | 15.7 | 345.3 | 761 | 925 |
| 950 | 23.4 | 80 | 15.4 | 344.9 | 521 | 22.0 | 91 | 16.0 | 344.9 | 500 | 23.6 | 87 | 17.0 | 349.6 | 516 | 22.3 | 96 | 17.3 | 348.6 | 528 | 950 |
| 975 | 25.6 | 79 | 17.0 | 349.5 | 292 | 23.7 | 79 | 15.2 | 342.1 | 273 | 25.1 | 82 | 17.0 | 349.0 | 288 | 24.3 | 86 | 17.2 | 348.4 | 300 | 975 |
| 1000 | 27.8 | 78 | 18.7 | 354.3 | 68 | 25.7 | 70 | 14.7 | 340.7 | 50 | 26.6 | 76 | 17.0 | 348.2 | 64 | 26.3 | 77 | 16.9 | 347.5 | 77 | 1000 |
| SFC. | 28.4 | 78 | 19.2 | 355.9 | 0 | 26.2 | 69 | 14.9 | 341.2 | 0 | 27.0 | 75 | 17.0 | 347.9 | 0 | 27.0 | 74 | 16.7 | 347.0 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1007.6 | | SURFACE PRESSURE | | | 1005.7 | | SURFACE PRESSURE | | | 1007.2 | | SURFACE PRESSURE | | | 1008.7 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/ 7 1115 GMT T | RH | W | EPT | H | 3/ 8 1135 GMT T | RH | W | EPT | H | 3/ 8 1528 GMT T | RH | W | EPT | H | 3/ 8 1728 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 0 | 0.0 | 458.0 | 19470 | -68.1 | 0 | 0.0 | 458.5 | 19469 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 0 | 0.0 | 434.0 | 18550 | -69.8 | 0 | 0.0 | 435.1 | 18550 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.4 | 30 | .0 | 401.1 | 17766 | -76.2 | 19 | .0 | 405.6 | 17762 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.0 | 30 | .0 | 382.7 | 17104 | -80.2 | 20 | .0 | 384.2 | 17090 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.7 | 30 | .0 | 379.6 | 16504 | -80.0 | 20 | .0 | 373.2 | 16494 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.4 | 30 | .0 | 364.3 | 15961 | -80.2 | 21 | .0 | 362.8 | 15955 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.3 | 30 | .0 | 361.0 | 15463 | -76.8 | 21 | .0 | 360.1 | 15459 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.5 | 30 | .0 | 357.8 | 14998 | -73.7 | 21 | .0 | 357.5 | 14995 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 30 | .0 | 355.7 | 14562 | -70.7 | 21 | .0 | 355.2 | 14559 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 30 | .0 | 354.0 | 14149 | -67.9 | 20 | .0 | 353.1 | 14147 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.6 | 30 | .0 | 352.3 | 13758 | -65.3 | 20 | .0 | 351.1 | 13757 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.0 | 30 | .0 | 350.6 | 13385 | -62.8 | 20 | .0 | 349.2 | 13386 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.5 | 30 | .0 | 349.0 | 13030 | -60.1 | 20 | .0 | 348.0 | 13031 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.2 | 30 | .0 | 347.5 | 12690 | -57.5 | 19 | .0 | 346.9 | 12692 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.5 | 30 | .0 | 346.6 | 12363 | -55.0 | 19 | .0 | 345.7 | 12366 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.2 | 29 | .1 | 345.0 | 11598 | -48.5 | 19 | .0 | 344.3 | 11603 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.5 | 29 | .1 | 343.3 | 10895 | -42.2 | 18 | .1 | 343.7 | 10900 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.4 | 28 | .2 | 341.7 | 10244 | -36.4 | 18 | .1 | 343.0 | 10247 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.7 | 28 | .2 | 340.2 | 9638 | -32.5 | 17 | .1 | 340.2 | 9640 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.7 | 38 | .4 | 338.8 | 9069 | -27.7 | 16 | .2 | 339.3 | 9071 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.8 | 28 | .5 | 338.5 | 8533 | -23.3 | 15 | .2 | 338.4 | 8533 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.2 | 20 | .4 | 337.9 | 8025 | -19.2 | 14 | .3 | 337.5 | 8024 | 375 |
| 400 | -18.8 | 47 | 1.0 | 334.3 | 7517 | -14.8 | 27 | .8 | 338.8 | 7546 | -14.9 | 12 | .4 | 337.0 | 7541 | -15.3 | 13 | .4 | 336.6 | 7540 | 400 |
| 425 | -15.2 | 47 | 1.3 | 334.2 | 7062 | -11.8 | 21 | .8 | 336.7 | 7085 | -11.9 | 12 | .4 | 335.4 | 7079 | -12.3 | 12 | .4 | 334.9 | 7080 | 425 |
| 450 | -11.8 | 48 | 1.6 | 334.2 | 6627 | -9.0 | 16 | .7 | 334.4 | 6645 | -9.0 | 12 | .5 | 333.9 | 6639 | -10.2 | 20 | .8 | 333.3 | 6641 | 450 |
| 475 | -9.9 | 73 | 2.8 | 335.1 | 6211 | -7.4 | 35 | 1.6 | 334.5 | 6226 | -7.6 | 35 | 1.6 | 334.1 | 6220 | -8.1 | 25 | 1.1 | 331.9 | 6223 | 475 |
| 500 | -7.8 | 49 | 2.1 | 330.5 | 5814 | -4.8 | 35 | 1.8 | 333.6 | 5824 | -5.0 | 29 | 1.5 | 332.3 | 5819 | -5.6 | 22 | 1.1 | 330.2 | 5822 | 500 |
| 525 | -4.8 | 39 | 2.0 | 329.5 | 5432 | -2.1 | 24 | 1.5 | 331.1 | 5438 | -2.5 | 23 | 1.4 | 330.4 | 5434 | -3.1 | 19 | 1.1 | 328.5 | 5438 | 525 |
| 550 | -1.8 | 31 | 1.9 | 328.3 | 5064 | .2 | 16 | 1.1 | 328.4 | 5067 | -.1 | 18 | 1.2 | 328.2 | 5063 | -.8 | 15 | 1.0 | 326.7 | 5068 | 550 |
| 575 | 1.0 | 24 | 1.7 | 327.1 | 4708 | 1.6 | 17 | 1.2 | 326.3 | 4710 | 1.7 | 14 | 1.1 | 325.8 | 4706 | 1.4 | 12 | .9 | 324.9 | 4712 | 575 |
| 600 | 3.8 | 17 | 1.4 | 325.4 | 4365 | 2.5 | 20 | 1.5 | 324.2 | 4366 | 2.4 | 16 | 1.2 | 323.3 | 4363 | 2.1 | 13 | .9 | 321.8 | 4369 | 600 |
| 625 | 3.6 | 27 | 2.1 | 323.6 | 4034 | 3.3 | 24 | 1.9 | 322.6 | 4036 | 4.0 | 22 | 1.8 | 323.0 | 4032 | 3.7 | 14 | 1.1 | 320.7 | 4039 | 625 |
| 650 | 5.1 | 36 | 3.1 | 324.7 | 3714 | 5.4 | 25 | 2.2 | 322.4 | 3717 | 5.4 | 27 | 2.4 | 322.9 | 3713 | 5.8 | 16 | 1.4 | 320.3 | 3720 | 650 |
| 675 | 6.5 | 46 | 4.1 | 325.9 | 3405 | 7.4 | 27 | 2.5 | 322.3 | 3408 | 7.2 | 30 | 2.8 | 322.9 | 3403 | 7.7 | 18 | 1.7 | 320.1 | 3410 | 675 |
| 700 | 8.1 | 50 | 4.9 | 326.7 | 3106 | 9.4 | 28 | 2.9 | 322.3 | 3107 | 9.4 | 30 | 3.1 | 323.0 | 3103 | 9.6 | 19 | 2.1 | 320.0 | 3109 | 700 |
| 725 | 10.4 | 44 | 4.8 | 325.8 | 2815 | 11.3 | 29 | 3.3 | 322.5 | 2815 | 11.4 | 29 | 3.4 | 323.0 | 2811 | 11.5 | 21 | 2.5 | 320.1 | 2817 | 725 |
| 750 | 12.6 | 38 | 4.6 | 324.6 | 2531 | 13.1 | 30 | 3.7 | 322.7 | 2531 | 13.4 | 29 | 3.8 | 323.2 | 2527 | 13.2 | 23 | 2.9 | 320.2 | 2533 | 750 |
| 775 | 14.1 | 44 | 5.7 | 326.5 | 2255 | 14.8 | 31 | 4.2 | 323.0 | 2255 | 15.4 | 29 | 4.1 | 323.3 | 2250 | 14.9 | 24 | 3.3 | 320.4 | 2257 | 775 |
| 800 | 14.5 | 71 | 9.2 | 334.1 | 1987 | 16.0 | 38 | 5.4 | 325.0 | 1986 | 16.0 | 45 | 6.4 | 327.7 | 1980 | 15.9 | 34 | 4.8 | 323.0 | 1988 | 800 |
| 825 | 14.1 | 90 | 11.0 | 335.6 | 1726 | 16.7 | 49 | 7.2 | 327.9 | 1724 | 15.3 | 88 | 11.8 | 339.3 | 1719 | 15.2 | 70 | 9.3 | 332.1 | 1727 | 825 |
| 850 | 16.0 | 78 | 10.5 | 333.6 | 1473 | 17.0 | 66 | 9.5 | 332.0 | 1469 | 16.8 | 84 | 12.0 | 338.8 | 1464 | 15.4 | 95 | 12.4 | 337.9 | 1474 | 850 |
| 875 | 17.8 | 67 | 9.8 | 331.0 | 1225 | 17.2 | 83 | 11.8 | 335.7 | 1221 | 18.2 | 88 | 13.3 | 341.2 | 1216 | 17.3 | 91 | 13.0 | 339.1 | 1226 | 875 |
| 900 | 18.7 | 74 | 11.3 | 333.4 | 983 | 19.3 | 80 | 12.6 | 337.8 | 979 | 19.5 | 92 | 14.7 | 343.7 | 973 | 18.7 | 88 | 13.3 | 338.9 | 984 | 900 |
| 925 | 19.5 | 85 | 13.3 | 336.9 | 747 | 20.9 | 82 | 13.9 | 340.6 | 742 | 20.9 | 95 | 16.1 | 346.3 | 735 | 20.7 | 84 | 14.2 | 340.9 | 747 | 925 |
| 950 | 20.5 | 92 | 14.8 | 339.7 | 516 | 21.6 | 96 | 16.5 | 345.7 | 510 | 23.0 | 91 | 17.1 | 349.1 | 502 | 23.1 | 82 | 15.5 | 345.0 | 514 | 950 |
| 975 | 22.2 | 87 | 15.3 | 340.6 | 290 | 23.8 | 89 | 17.2 | 347.7 | 282 | 25.0 | 87 | 18.1 | 351.7 | 274 | 25.5 | 79 | 16.9 | 349.2 | 286 | 975 |
| 1000 | 23.9 | 83 | 15.7 | 341.3 | 68 | 25.9 | 83 | 17.7 | 349.3 | 59 | 27.1 | 83 | 19.0 | 354.3 | 50 | 27.8 | 77 | 18.3 | 353.4 | 61 | 1000 |
| SFC. | 24.4 | 82 | 15.9 | 341.5 | 0 | 26.5 | 81 | 17.8 | 349.6 | 0 | 27.5 | 82 | 19.2 | 354.8 | 0 | 28.4 | 76 | 18.7 | 354.6 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.8 | SURFACE PRESSURE | | | | 1006.7 | SURFACE PRESSURE | | | | 1005.6 | SURFACE PRESSURE | | | | 1006.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/ 8 2040 GMT T | RH | W | EPT | H | 3/ 8 2315 GMT T | RH | W | EPT | H | 3/ 9 217 GMT T | RH | W | EPT | H | 3/ 9 6 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.5 | 0 | 0.0 | 457.6 | 19543 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.4 | 0 | 0.0 | 455.6 | 19470 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -70.1 | 0 | 0.0 | 434.3 | 18628 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.1 | 0 | 0.0 | 428.1 | 18568 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -75.5 | 21 | .0 | 407.1 | 17841 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.8 | 25 | .0 | 414.7 | 17782 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -78.8 | 21 | .0 | 387.0 | 17164 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.4 | 26 | .0 | 385.7 | 17105 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -77.7 | 21 | .0 | 377.6 | 16565 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.7 | 26 | .0 | 373.8 | 16510 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -77.2 | 21 | .0 | 368.4 | 16021 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.2 | 25 | .0 | 370.3 | 15966 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -74.6 | 21 | .0 | 364.2 | 15518 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.6 | 25 | .0 | 362.3 | 15463 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -72.1 | 21 | .0 | 360.3 | 15050 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.3 | 25 | .0 | 358.2 | 14997 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -69.9 | 21 | .0 | 356.7 | 14611 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.2 | 24 | .0 | 354.4 | 14561 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -67.8 | 21 | .0 | 353.3 | 14199 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.8 | 24 | .0 | 351.7 | 14151 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.2 | 21 | .0 | 351.2 | 13808 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.5 | 24 | .0 | 350.9 | 13762 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.2 | 21 | .0 | 350.2 | 13436 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.3 | 24 | .0 | 350.0 | 13390 | -62.2 | 29 | .0 | 350.3 | 13423 | 170 |
| 180 | -59.4 | 20 | .0 | 349.2 | 13081 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.4 | 23 | .0 | 349.1 | 13035 | -59.3 | 29 | .0 | 349.3 | 13067 | 180 |
| 190 | -56.7 | 20 | .0 | 348.2 | 12740 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.6 | 23 | .0 | 348.3 | 12694 | -56.6 | 29 | .0 | 348.3 | 12727 | 190 |
| 200 | -54.1 | 20 | .0 | 347.2 | 12413 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.0 | 23 | .0 | 347.4 | 12367 | -53.9 | 27 | .0 | 347.6 | 12399 | 200 |
| 225 | -47.9 | 20 | .0 | 345.3 | 11647 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.8 | 23 | .1 | 345.5 | 11601 | -47.6 | 24 | .1 | 345.8 | 11632 | 225 |
| 250 | -41.9 | 20 | .1 | 344.1 | 10943 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.1 | 23 | .1 | 343.9 | 10897 | -42.0 | 21 | .1 | 344.0 | 10928 | 250 |
| 275 | -36.1 | 19 | .1 | 343.5 | 10290 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.9 | 23 | .1 | 342.4 | 10244 | -36.8 | 20 | .1 | 342.4 | 10275 | 275 |
| 300 | -32.0 | 20 | .2 | 341.0 | 9680 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.1 | 23 | .2 | 340.9 | 9636 | -31.9 | 20 | .2 | 341.1 | 9667 | 300 |
| 325 | -27.9 | 20 | .2 | 339.3 | 9110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.8 | 25 | .3 | 338.1 | 9066 | -28.0 | 22 | .3 | 339.1 | 9096 | 325 |
| 350 | -23.1 | 18 | .3 | 338.9 | 8573 | 0.0 | 0 | 0.0 | 0.0 | 0 | -24.0 | 20 | .3 | 337.6 | 8531 | -23.9 | 22 | .3 | 337.9 | 8560 | 350 |
| 375 | -18.6 | 17 | .4 | 338.5 | 8063 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.6 | 16 | .4 | 337.0 | 8023 | -19.4 | 19 | .4 | 337.5 | 8052 | 375 |
| 400 | -14.4 | 15 | .5 | 338.1 | 7578 | -14.5 | 15 | .5 | 338.0 | 7576 | -16.0 | 16 | .4 | 336.0 | 7540 | -15.5 | 16 | .5 | 336.6 | 7569 | 400 |
| 425 | -11.0 | 14 | .6 | 337.0 | 7115 | -11.0 | 14 | .5 | 336.8 | 7114 | -12.6 | 16 | .5 | 334.9 | 7081 | -12.5 | 17 | .6 | 335.1 | 7108 | 425 |
| 450 | -8.7 | 16 | .7 | 335.0 | 6674 | -8.5 | 16 | .7 | 335.3 | 6672 | -9.9 | 23 | .9 | 334.2 | 6642 | -9.7 | 17 | .7 | 333.8 | 6669 | 450 |
| 475 | -7.0 | 19 | .9 | 332.6 | 6254 | -6.5 | 22 | 1.1 | 333.8 | 6251 | -7.5 | 33 | 1.5 | 334.0 | 6223 | -6.9 | 22 | 1.0 | 333.2 | 6250 | 475 |
| 500 | -4.7 | 18 | .9 | 330.8 | 5852 | -4.2 | 21 | 1.2 | 332.1 | 5849 | -5.0 | 29 | 1.5 | 332.4 | 5821 | -4.2 | 34 | 1.9 | 334.6 | 5847 | 500 |
| 525 | -2.5 | 17 | 1.0 | 329.0 | 5466 | -1.8 | 14 | .9 | 329.4 | 5463 | -2.5 | 24 | 1.4 | 330.4 | 5436 | -2.2 | 27 | 1.7 | 331.6 | 5461 | 525 |
| 550 | -.4 | 16 | 1.1 | 327.4 | 5096 | -.1 | 13 | .9 | 327.3 | 5092 | -.2 | 18 | 1.2 | 328.3 | 5066 | -.3 | 20 | 1.4 | 328.5 | 5091 | 550 |
| 575 | 1.5 | 15 | 1.1 | 325.7 | 4740 | 1.3 | 14 | 1.0 | 325.2 | 4735 | .8 | 23 | 1.6 | 326.5 | 4709 | 1.1 | 19 | 1.4 | 326.0 | 4734 | 575 |
| 600 | 2.4 | 16 | 1.2 | 323.3 | 4396 | 2.4 | 16 | 1.2 | 323.0 | 4392 | 1.6 | 31 | 2.2 | 325.4 | 4367 | 2.3 | 34 | 2.5 | 327.1 | 4391 | 600 |
| 625 | 4.0 | 19 | 1.5 | 322.3 | 4066 | 5.2 | 15 | 1.3 | 323.0 | 4061 | 3.9 | 31 | 2.5 | 325.2 | 4037 | 4.8 | 34 | 2.9 | 327.6 | 4060 | 625 |
| 650 | 6.0 | 21 | 1.9 | 322.3 | 3746 | 6.7 | 18 | 1.7 | 322.4 | 3740 | 6.1 | 31 | 2.8 | 325.1 | 3716 | 7.4 | 25 | 2.5 | 325.5 | 3739 | 650 |
| 675 | 7.6 | 39 | 3.7 | 326.1 | 3436 | 8.6 | 20 | 2.1 | 322.2 | 3429 | 8.2 | 31 | 3.1 | 325.0 | 3406 | 9.2 | 26 | 2.8 | 325.2 | 3427 | 675 |
| 700 | 10.1 | 33 | 3.7 | 325.5 | 3135 | 10.6 | 21 | 2.4 | 322.2 | 3128 | 10.2 | 31 | 3.5 | 325.0 | 3105 | 11.0 | 27 | 3.2 | 325.0 | 3125 | 700 |
| 725 | 12.4 | 28 | 3.5 | 324.5 | 2842 | 12.5 | 22 | 2.8 | 322.3 | 2835 | 12.2 | 31 | 3.8 | 325.0 | 2812 | 12.6 | 28 | 3.6 | 324.8 | 2831 | 725 |
| 750 | 14.2 | 29 | 3.9 | 324.3 | 2557 | 14.3 | 24 | 3.2 | 322.5 | 2550 | 13.9 | 31 | 4.2 | 325.0 | 2527 | 14.2 | 29 | 4.0 | 324.8 | 2546 | 750 |
| 775 | 15.6 | 31 | 4.4 | 324.5 | 2280 | 16.1 | 25 | 3.6 | 322.8 | 2272 | 15.6 | 32 | 4.6 | 325.0 | 2250 | 15.5 | 34 | 4.9 | 325.8 | 2269 | 775 |
| 800 | 17.0 | 33 | 5.0 | 324.9 | 2010 | 16.1 | 30 | 4.3 | 321.8 | 2003 | 16.3 | 35 | 5.1 | 324.4 | 1980 | 16.4 | 43 | 6.3 | 327.9 | 1999 | 800 |
| 825 | 16.9 | 50 | 7.3 | 328.6 | 1747 | 17.3 | 43 | 6.5 | 326.5 | 1741 | 16.2 | 58 | 8.1 | 329.8 | 1718 | 17.4 | 51 | 7.7 | 330.1 | 1737 | 825 |
| 850 | 17.5 | 59 | 8.7 | 330.3 | 1492 | 17.5 | 65 | 9.6 | 332.8 | 1485 | 16.8 | 69 | 9.8 | 332.5 | 1464 | 16.9 | 85 | 12.2 | 339.4 | 1481 | 850 |
| 875 | 18.7 | 61 | 9.5 | 331.0 | 1244 | 19.6 | 62 | 10.2 | 334.1 | 1236 | 18.3 | 68 | 10.3 | 332.9 | 1216 | 18.9 | 82 | 13.0 | 341.0 | 1232 | 875 |
| 900 | 18.6 | 68 | 10.2 | 330.3 | 1001 | 20.9 | 61 | 10.5 | 333.9 | 993 | 19.8 | 67 | 10.9 | 333.5 | 973 | 20.3 | 83 | 14.0 | 342.9 | 989 | 900 |
| 925 | 20.5 | 76 | 12.5 | 336.2 | 765 | 22.1 | 62 | 11.3 | 334.8 | 755 | 20.9 | 73 | 12.3 | 336.1 | 736 | 20.6 | 95 | 15.9 | 345.5 | 751 | 925 |
| 950 | 22.9 | 76 | 14.2 | 341.1 | 533 | 23.4 | 68 | 13.2 | 339.1 | 522 | 22.3 | 76 | 13.6 | 338.8 | 504 | 22.6 | 90 | 16.5 | 347.0 | 519 | 950 |
| 975 | 24.8 | 73 | 14.9 | 342.7 | 305 | 25.3 | 66 | 13.9 | 340.7 | 294 | 25.1 | 69 | 14.4 | 341.7 | 276 | 24.5 | 84 | 17.1 | 348.4 | 291 | 975 |
| 1000 | 26.6 | 69 | 15.2 | 343.4 | 81 | 28.4 | 70 | 17.3 | 351.3 | 70 | 28.7 | 64 | 16.1 | 348.4 | 52 | 26.4 | 79 | 17.5 | 349.4 | 67 | 1000 |
| SFC. | 27.3 | 66 | 15.1 | 343.0 | 0 | 30.1 | 74 | 20.1 | 360.7 | 0 | 29.5 | 63 | 16.5 | 350.0 | 0 | 27.0 | 78 | 17.7 | 349.7 | 0 | SFC. |
| | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1005.8 | | | | | SURFACE PRESSURE 1007.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 3/ 9 855 GMT | | | | | 3/ 9 1125 GMT | | | | | 3/ 9 1814 GMT | | | | | 3/ 9 2350 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -66.8 | 0 | 0.0 | 461.4 | 19531 | -65.8 | 0 | 0.0 | 463.7 | 19472 | -66.8 | 0 | 0.0 | 461.4 | 19501 | -61.9 | 0 | 0.0 | 472.4 | 19554 | 60 |
| 70 | -73.1 | 0 | 0.0 | 428.1 | 18621 | -71.5 | 0 | 0.0 | 431.3 | 18556 | -72.2 | 0 | 0.0 | 429.9 | 18587 | -72.7 | 0 | 0.0 | 428.9 | 18616 | 70 |
| 80 | -75.7 | 31 | .0 | 406.7 | 17842 | -75.8 | 21 | .0 | 406.5 | 17776 | -74.4 | 17 | .0 | 409.4 | 17802 | -76.0 | 0 | 0.0 | 406.1 | 17836 | 80 |
| 90 | -81.8 | 32 | .0 | 380.9 | 17172 | -82.0 | 21 | .0 | 380.7 | 17106 | -81.0 | 22 | .0 | 382.5 | 17128 | -82.4 | 0 | 0.0 | 379.8 | 17173 | 90 |
| 100 | -80.0 | 32 | .0 | 373.1 | 16581 | -80.3 | 20 | .0 | 372.6 | 16514 | -81.0 | 21 | .0 | 371.3 | 16538 | -80.3 | 20 | .0 | 372.6 | 16581 | 100 |
| 110 | -76.7 | 31 | .0 | 369.4 | 16038 | -78.2 | 20 | .0 | 366.5 | 15973 | -77.3 | 23 | .0 | 368.2 | 15996 | -78.0 | 20 | .0 | 366.9 | 16040 | 110 |
| 120 | -75.0 | 31 | .0 | 363.5 | 15534 | -76.3 | 19 | .0 | 361.0 | 15474 | -75.1 | 24 | .0 | 363.3 | 15494 | -75.2 | 20 | .0 | 363.0 | 15539 | 120 |
| 130 | -74.3 | 31 | .0 | 356.5 | 15069 | -74.6 | 19 | .0 | 356.0 | 15010 | -73.6 | 25 | .0 | 357.6 | 15028 | -72.6 | 20 | .0 | 359.4 | 15072 | 130 |
| 140 | -71.8 | 31 | .0 | 353.4 | 14635 | -71.7 | 19 | .0 | 353.5 | 14577 | -70.5 | 24 | .0 | 355.6 | 14592 | -70.3 | 20 | .0 | 356.1 | 14634 | 140 |
| 150 | -68.3 | 31 | .0 | 352.5 | 14225 | -68.3 | 19 | .0 | 352.5 | 14166 | -67.6 | 23 | .0 | 353.6 | 14180 | -67.1 | 20 | .0 | 354.5 | 14221 | 150 |
| 160 | -65.0 | 31 | .0 | 351.7 | 13834 | -65.1 | 19 | .0 | 351.5 | 13776 | -64.9 | 22 | .0 | 351.7 | 13789 | -64.0 | 20 | .0 | 353.3 | 13829 | 160 |
| 170 | -61.9 | 31 | .0 | 350.8 | 13462 | -62.1 | 19 | .0 | 350.5 | 13404 | -62.2 | 21 | .0 | 350.3 | 13417 | -61.0 | 19 | .0 | 352.1 | 13455 | 170 |
| 180 | -59.0 | 31 | .0 | 349.8 | 13106 | -59.2 | 19 | .0 | 349.4 | 13048 | -59.2 | 20 | .0 | 349.4 | 13061 | -58.3 | 19 | .0 | 351.0 | 13098 | 180 |
| 190 | -56.1 | 30 | .0 | 349.1 | 12765 | -56.5 | 19 | .0 | 348.5 | 12707 | -56.4 | 20 | .0 | 348.6 | 12720 | -55.6 | 19 | .0 | 350.0 | 12755 | 190 |
| 200 | -53.4 | 29 | .0 | 348.4 | 12436 | -53.9 | 19 | .0 | 347.5 | 12380 | -53.5 | 21 | .0 | 348.1 | 12392 | -52.9 | 19 | .0 | 349.1 | 12427 | 200 |
| 225 | -47.1 | 27 | .1 | 346.6 | 11668 | -47.9 | 20 | .0 | 345.2 | 11613 | -47.0 | 22 | .1 | 346.8 | 11623 | -46.9 | 18 | .0 | 346.9 | 11657 | 225 |
| 250 | -41.5 | 26 | .1 | 344.7 | 10962 | -42.3 | 19 | .1 | 343.4 | 10910 | -41.1 | 23 | .1 | 345.4 | 10917 | -41.0 | 18 | .1 | 345.5 | 10949 | 250 |
| 275 | -36.5 | 24 | .1 | 343.0 | 10308 | -37.2 | 17 | .1 | 341.8 | 10258 | -36.8 | 25 | .2 | 342.6 | 10262 | -35.6 | 18 | .1 | 344.2 | 10294 | 275 |
| 300 | -31.8 | 23 | .2 | 341.4 | 9699 | -32.4 | 16 | .1 | 340.3 | 9651 | -31.7 | 26 | .2 | 341.7 | 9653 | -30.9 | 20 | .2 | 342.7 | 9682 | 300 |
| 325 | -27.5 | 25 | .3 | 340.0 | 9128 | -28.1 | 15 | .2 | 338.7 | 9082 | -29.1 | 39 | .4 | 338.1 | 9084 | -26.8 | 25 | .3 | 341.0 | 9110 | 325 |
| 350 | -23.2 | 25 | .4 | 339.1 | 8591 | -24.0 | 13 | .2 | 337.2 | 8545 | -24.6 | 28 | .4 | 337.2 | 8550 | -23.9 | 31 | .5 | 338.5 | 8571 | 350 |
| 375 | -18.6 | 21 | .5 | 339.0 | 8081 | -19.2 | 11 | .2 | 337.1 | 8037 | -20.2 | 22 | .5 | 336.7 | 8043 | -19.5 | 31 | .7 | 338.3 | 8063 | 375 |
| 400 | -14.2 | 18 | .6 | 338.7 | 7595 | -15.2 | M | M | M | 7554 | -16.0 | 16 | .4 | 335.9 | 7561 | -15.1 | 30 | .9 | 338.7 | 7580 | 400 |
| 425 | -10.8 | 16 | .6 | 337.6 | 7132 | -11.5 | M | M | M | 7092 | -11.5 | 16 | .6 | 336.5 | 7100 | -10.8 | 28 | 1.1 | 339.2 | 7117 | 425 |
| 450 | -8.3 | 17 | .8 | 335.6 | 6691 | -8.9 | M | M | M | 6652 | -8.9 | 16 | .7 | 334.6 | 6660 | -7.9 | 31 | 1.4 | 338.6 | 6675 | 450 |
| 475 | -6.0 | 18 | .9 | 333.9 | 6270 | -6.8 | 13 | .6 | 331.8 | 6231 | -7.6 | 20 | .9 | 331.9 | 6240 | -6.3 | 33 | 1.7 | 336.0 | 6253 | 475 |
| 500 | -4.0 | 32 | 1.8 | 334.5 | 5866 | -5.4 | 19 | 1.0 | 330.0 | 5830 | -5.6 | 22 | 1.1 | 330.0 | 5840 | -4.5 | 33 | 1.8 | 334.0 | 5851 | 500 |
| 525 | -1.7 | 23 | 1.4 | 331.5 | 5480 | -2.9 | 15 | .9 | 328.1 | 5445 | -2.4 | 18 | 1.1 | 329.6 | 5455 | -1.8 | 32 | 2.0 | 333.3 | 5465 | 525 |
| 550 | .1 | 17 | 1.2 | 328.3 | 5108 | -.6 | 11 | .7 | 326.1 | 5076 | -.3 | 15 | 1.0 | 327.5 | 5084 | .5 | 31 | 2.2 | 332.2 | 5093 | 550 |
| 575 | 1.1 | 21 | 1.5 | 326.5 | 4752 | -.3 | 29 | 1.9 | 326.0 | 4720 | .8 | 16 | 1.1 | 324.8 | 4728 | 2.1 | 30 | 2.3 | 330.2 | 4735 | 575 |
| 600 | 2.7 | 39 | 3.0 | 329.3 | 4409 | 1.8 | 23 | 1.7 | 323.9 | 4378 | 1.2 | 19 | 1.3 | 322.0 | 4386 | 3.6 | 29 | 2.4 | 328.3 | 4391 | 600 |
| 625 | 5.2 | 28 | 2.5 | 326.8 | 4077 | 4.5 | 13 | 1.1 | 321.3 | 4048 | 3.8 | 23 | 1.9 | 323.0 | 4056 | 4.8 | 30 | 2.6 | 326.4 | 4059 | 625 |
| 650 | 7.6 | 22 | 2.2 | 325.1 | 3755 | 6.8 | 13 | 1.2 | 320.7 | 3727 | 5.9 | 23 | 2.1 | 322.5 | 3736 | 7.2 | 37 | 3.6 | 328.8 | 3738 | 650 |
| 675 | 9.7 | 24 | 2.6 | 325.3 | 3443 | 9.0 | 12 | 1.3 | 320.2 | 3417 | 8.1 | 20 | 2.0 | 321.4 | 3427 | 9.2 | 34 | 3.7 | 327.8 | 3426 | 675 |
| 700 | 11.8 | 25 | 3.1 | 325.5 | 3140 | 11.1 | 12 | 1.4 | 319.6 | 3115 | 10.8 | 20 | 2.3 | 322.1 | 3125 | 11.7 | 33 | 4.1 | 328.5 | 3124 | 700 |
| 725 | 13.8 | 26 | 3.5 | 325.9 | 2846 | 12.6 | 14 | 1.7 | 319.1 | 2822 | 12.9 | 21 | 2.6 | 322.2 | 2832 | 13.7 | 35 | 4.8 | 329.7 | 2829 | 725 |
| 750 | 15.7 | 27 | 4.0 | 326.5 | 2559 | 14.0 | 16 | 2.1 | 318.8 | 2537 | 14.2 | 26 | 3.5 | 323.2 | 2547 | 14.2 | 39 | 5.3 | 328.6 | 2543 | 750 |
| 775 | 16.8 | 35 | 5.4 | 328.8 | 2281 | 15.3 | 18 | 2.5 | 318.5 | 2260 | 14.0 | 37 | 4.8 | 323.6 | 2270 | 14.8 | 42 | 5.7 | 327.5 | 2266 | 775 |
| 800 | 17.2 | 53 | 8.2 | 334.5 | 2010 | 11.7 | 51 | 5.5 | 320.3 | 1993 | 14.7 | 40 | 5.2 | 322.7 | 2002 | 15.3 | 47 | 6.4 | 326.9 | 1997 | 800 |
| 825 | 16.9 | 80 | 11.8 | 341.2 | 1747 | 13.6 | 63 | 7.5 | 325.1 | 1734 | 14.5 | 62 | 7.8 | 326.9 | 1742 | 15.8 | 64 | 8.8 | 331.4 | 1736 | 825 |
| 850 | 18.2 | 78 | 12.1 | 340.7 | 1491 | 15.9 | 98 | 13.3 | 341.1 | 1481 | 15.5 | 74 | 9.6 | 330.4 | 1489 | 17.2 | 67 | 9.8 | 333.1 | 1481 | 850 |
| 875 | 19.1 | 87 | 13.9 | 343.7 | 1241 | 17.7 | 95 | 13.9 | 342.1 | 1233 | 17.2 | 74 | 10.6 | 332.4 | 1241 | 18.6 | 70 | 10.9 | 334.8 | 1232 | 875 |
| 900 | 19.9 | 95 | 15.6 | 346.8 | 997 | 19.4 | 91 | 14.5 | 343.1 | 991 | 19.0 | 75 | 11.6 | 334.5 | 1000 | 19.9 | 73 | 12.0 | 336.8 | 989 | 900 |
| 925 | 20.6 | 95 | 15.9 | 345.4 | 760 | 21.0 | 88 | 15.1 | 344.0 | 753 | 20.6 | 76 | 12.7 | 336.8 | 763 | 21.2 | 76 | 13.2 | 338.8 | 752 | 925 |
| 950 | 22.7 | 89 | 16.6 | 347.4 | 527 | 22.6 | 85 | 15.7 | 344.8 | 521 | 22.3 | 77 | 13.8 | 339.2 | 531 | 23.0 | 76 | 14.2 | 341.3 | 520 | 950 |
| 975 | 24.8 | 84 | 17.2 | 349.2 | 299 | 24.2 | 82 | 16.2 | 345.5 | 293 | 23.9 | 73 | 14.2 | 339.6 | 304 | 25.7 | 69 | 15.0 | 344.1 | 291 | 975 |
| 1000 | 26.8 | 79 | 17.8 | 350.6 | 75 | 25.7 | 79 | 16.7 | 346.2 | 70 | 25.5 | 67 | 14.0 | 338.5 | 81 | 28.4 | 63 | 15.5 | 346.5 | 67 | 1000 |
| SFC. | 27.5 | 77 | 17.9 | 351.1 | 0 | 26.2 | 78 | 16.8 | 346.3 | 0 | 26.1 | 65 | 13.8 | 338.0 | 0 | 29.2 | 61 | 15.6 | 347.1 | 0 | SFC. |
| | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1007.9 | | | | | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1007.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 3/10 6 0 GMT | | | | | 3/10 1135 GMT | | | | | 3/10 15 0 GMT | | | | | 3/10 1750 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -69.4 | 0 | 0.0 | 455.6 | 19327 | -66.1 | 0 | 0.0 | 462.9 | 19481 | -70.2 | 0 | 0.0 | 453.8 | 19405 | -66.5 | 0 | 0.0 | 462.1 | 19427 | 60 |
| 70 | -73.2 | 0 | 0.0 | 427.7 | 18415 | -73.5 | 0 | 0.0 | 427.1 | 18556 | -67.5 | 0 | 0.0 | 440.1 | 18483 | -71.1 | 0 | 0.0 | 432.2 | 18502 | 70 |
| 80 | -78.0 | 0 | 0.0 | 401.9 | 17643 | -75.9 | 21 | .0 | 406.2 | 17785 | -76.1 | 0 | 0.0 | 405.9 | 17701 | -75.0 | 0 | 0.0 | 408.2 | 17723 | 80 |
| 90 | -85.8 | 0 | 0.0 | 373.0 | 16986 | -82.1 | 21 | .0 | 380.4 | 17110 | -79.3 | 23 | .0 | 386.0 | 17023 | -80.0 | 22 | .0 | 384.6 | 17041 | 90 |
| 100 | -83.5 | 0 | 0.0 | 366.4 | 16404 | -81.4 | 21 | .0 | 370.5 | 16522 | -81.9 | 23 | .0 | 369.5 | 16432 | -80.8 | 22 | .0 | 371.6 | 16446 | 100 |
| 110 | -79.8 | 21 | .0 | 363.5 | 15869 | -78.2 | 20 | .0 | 366.6 | 15982 | -80.6 | 23 | .0 | 362.1 | 15897 | -79.6 | 22 | .0 | 363.9 | 15908 | 110 |
| 120 | -77.7 | 20 | .0 | 358.4 | 15374 | -78.3 | 20 | .0 | 357.4 | 15484 | -78.3 | 23 | .0 | 357.3 | 15403 | -78.0 | 22 | .0 | 357.8 | 15413 | 120 |
| 130 | -75.8 | 20 | .0 | 353.8 | 14914 | -74.7 | 20 | .0 | 355.7 | 15023 | -75.1 | 23 | .0 | 355.0 | 14943 | -74.9 | 22 | .0 | 355.4 | 14952 | 130 |
| 140 | -72.4 | 20 | .0 | 352.2 | 14482 | -71.4 | 20 | .0 | 354.1 | 14589 | -71.6 | 23 | .0 | 353.7 | 14510 | -71.9 | 22 | .0 | 353.2 | 14518 | 140 |
| 150 | -69.1 | 21 | .0 | 351.0 | 14073 | -68.3 | 20 | .0 | 352.5 | 14178 | -68.3 | 23 | .0 | 352.4 | 14099 | -68.6 | 22 | .0 | 352.0 | 14108 | 150 |
| 160 | -66.1 | 21 | .0 | 349.8 | 13685 | -65.1 | 20 | .0 | 351.5 | 13788 | -65.3 | 23 | .0 | 351.1 | 13709 | -65.5 | 22 | .0 | 350.8 | 13719 | 160 |
| 170 | -63.1 | 21 | .0 | 348.7 | 13314 | -62.0 | 19 | .0 | 350.5 | 13415 | -62.4 | 23 | .0 | 349.8 | 13338 | -62.6 | 22 | .0 | 349.5 | 13347 | 170 |
| 180 | -60.2 | 21 | .0 | 347.8 | 12960 | -59.2 | 19 | .0 | 349.5 | 13060 | -59.7 | 23 | .0 | 348.6 | 12983 | -59.9 | 22 | .0 | 348.3 | 12993 | 180 |
| 190 | -57.5 | 20 | .0 | 346.8 | 12621 | -56.5 | 19 | .0 | 348.5 | 12719 | -57.1 | 23 | .0 | 347.4 | 12643 | -57.2 | 22 | .0 | 347.4 | 12653 | 190 |
| 200 | -54.9 | 20 | .0 | 345.9 | 12295 | -53.9 | 18 | .0 | 347.5 | 12391 | -54.4 | 22 | .0 | 346.7 | 12316 | -54.4 | 22 | .0 | 346.8 | 12326 | 200 |
| 225 | -48.9 | 20 | .0 | 343.8 | 11532 | -47.8 | 18 | .0 | 345.5 | 11625 | -48.2 | 21 | .0 | 344.9 | 11551 | -48.0 | 21 | .0 | 345.2 | 11561 | 225 |
| 250 | -43.4 | 21 | .1 | 341.9 | 10832 | -41.9 | 19 | .1 | 344.1 | 10920 | -42.6 | 20 | .1 | 343.0 | 10848 | -43.0 | 21 | .1 | 342.4 | 10858 | 250 |
| 275 | -38.4 | 22 | .1 | 340.1 | 10183 | -36.6 | 19 | .1 | 342.8 | 10267 | -37.6 | 19 | .1 | 341.2 | 10198 | -38.1 | 20 | .1 | 340.5 | 10209 | 275 |
| 300 | -33.8 | 22 | .2 | 338.4 | 9579 | -31.7 | 19 | .2 | 341.4 | 9658 | -33.0 | 18 | .1 | 339.5 | 9592 | -33.6 | 19 | .1 | 338.6 | 9604 | 300 |
| 325 | -29.6 | 23 | .2 | 336.8 | 9013 | -27.2 | 20 | .2 | 340.1 | 9087 | -28.7 | 17 | .2 | 337.9 | 9023 | -29.4 | 18 | .2 | 336.9 | 9038 | 325 |
| 350 | -25.7 | 25 | .3 | 335.4 | 8480 | -23.1 | 20 | .3 | 339.0 | 8549 | -24.8 | 16 | .2 | 336.3 | 8489 | -25.5 | 18 | .2 | 335.4 | 8505 | 350 |
| 375 | -21.8 | 38 | .7 | 335.3 | 7976 | -19.6 | 23 | .5 | 337.5 | 8039 | -21.2 | 15 | .3 | 334.7 | 7983 | -21.8 | 17 | .3 | 333.9 | 8000 | 375 |
| 400 | -17.9 | 20 | .5 | 333.5 | 7497 | -16.7 | 32 | .8 | 336.4 | 7558 | -18.2 | 25 | .6 | 333.5 | 7504 | -18.4 | 17 | .4 | 332.5 | 7522 | 400 |
| 425 | -14.5 | 19 | .6 | 332.5 | 7041 | -12.8 | 27 | .9 | 335.9 | 7099 | -14.3 | 25 | .7 | 333.4 | 7048 | -14.4 | 21 | .6 | 332.8 | 7066 | 425 |
| 450 | -11.5 | 20 | .7 | 331.4 | 6605 | -9.1 | 23 | 1.0 | 335.3 | 6660 | -10.8 | 27 | 1.0 | 333.3 | 6611 | -11.0 | 29 | 1.1 | 333.3 | 6630 | 450 |
| 475 | -9.5 | 31 | 1.2 | 330.5 | 6189 | -7.1 | 41 | 1.9 | 335.9 | 6240 | -9.2 | 45 | 1.8 | 332.8 | 6194 | -10.1 | 44 | 1.6 | 331.1 | 6214 | 475 |
| 500 | -7.5 | 39 | 1.7 | 329.9 | 5791 | -6.4 | 34 | 1.6 | 330.7 | 5839 | -8.0 | 40 | 1.7 | 329.2 | 5796 | -7.8 | 34 | 1.4 | 328.5 | 5817 | 500 |
| 525 | -4.4 | 30 | 1.6 | 328.6 | 5409 | -3.2 | 28 | 1.6 | 330.1 | 5455 | -5.1 | 29 | 1.5 | 327.4 | 5415 | -4.6 | 29 | 1.5 | 328.1 | 5435 | 525 |
| 550 | -1.5 | 22 | 1.4 | 327.0 | 5040 | -.3 | 23 | 1.5 | 329.1 | 5085 | -2.3 | 24 | 1.4 | 326.4 | 5048 | -1.5 | 25 | 1.5 | 327.6 | 5067 | 550 |
| 575 | -.1 | 19 | 1.3 | 324.3 | 4685 | 1.2 | 19 | 1.4 | 326.2 | 4729 | .4 | 20 | 1.3 | 325.2 | 4693 | 1.5 | 20 | 1.5 | 326.9 | 4711 | 575 |
| 600 | .8 | 19 | 1.3 | 321.4 | 4344 | 3.1 | 20 | 1.6 | 325.2 | 4386 | 2.2 | 23 | 1.7 | 324.5 | 4350 | 2.5 | 19 | 1.4 | 324.0 | 4367 | 600 |
| 625 | 4.6 | 16 | 1.4 | 322.4 | 4014 | 6.0 | 30 | 2.8 | 328.5 | 4053 | 4.2 | 20 | 1.7 | 322.9 | 4020 | 3.8 | 20 | 1.6 | 322.3 | 4037 | 625 |
| 650 | 6.0 | 22 | 2.0 | 322.4 | 3694 | 7.9 | 22 | 2.3 | 325.4 | 3731 | 6.1 | 19 | 1.7 | 321.7 | 3700 | 5.3 | 22 | 1.8 | 321.1 | 3718 | 650 |
| 675 | 7.4 | 28 | 2.7 | 322.7 | 3384 | 9.4 | 19 | 2.1 | 323.2 | 3419 | 8.0 | 19 | 1.9 | 320.8 | 3390 | 6.6 | 23 | 2.1 | 319.9 | 3409 | 675 |
| 700 | 9.2 | 28 | 2.9 | 321.9 | 3084 | 10.9 | 24 | 2.8 | 323.9 | 3117 | 9.7 | 19 | 2.0 | 320.0 | 3089 | 8.9 | 23 | 2.3 | 319.8 | 3109 | 700 |
| 725 | 11.4 | 21 | 2.5 | 320.0 | 2792 | 13.2 | 22 | 2.9 | 323.4 | 2824 | 11.4 | 19 | 2.2 | 319.2 | 2797 | 11.1 | 22 | 2.5 | 319.8 | 2818 | 725 |
| 750 | 12.8 | 22 | 2.7 | 319.2 | 2509 | 14.7 | 24 | 3.3 | 323.1 | 2538 | 11.7 | 29 | 3.3 | 319.8 | 2514 | 12.2 | 47 | 5.5 | 327.0 | 2534 | 750 |
| 775 | 12.8 | 34 | 4.0 | 320.2 | 2233 | 15.5 | 28 | 4.0 | 323.1 | 2260 | 10.1 | 80 | 8.0 | 328.3 | 2240 | 10.2 | 94 | 9.5 | 332.6 | 2261 | 775 |
| 800 | 12.6 | 48 | 5.5 | 321.2 | 1967 | 14.7 | 65 | 8.5 | 332.3 | 1991 | 10.8 | 98 | 10.0 | 331.7 | 1975 | 12.6 | 91 | 10.5 | 335.2 | 1995 | 800 |
| 825 | 12.5 | 81 | 8.9 | 327.8 | 1708 | 14.5 | 96 | 12.1 | 339.0 | 1731 | 12.5 | 97 | 10.7 | 332.8 | 1717 | 14.1 | 87 | 10.8 | 334.9 | 1735 | 825 |
| 850 | 14.3 | 79 | 9.6 | 328.8 | 1457 | 16.1 | 95 | 12.9 | 340.2 | 1477 | 14.1 | 96 | 11.5 | 333.8 | 1465 | 15.8 | 87 | 11.6 | 336.3 | 1481 | 850 |
| 875 | 15.9 | 78 | 10.2 | 329.7 | 1210 | 17.6 | 94 | 13.7 | 341.4 | 1228 | 15.7 | 95 | 12.2 | 335.0 | 1219 | 17.5 | 86 | 12.5 | 337.8 | 1234 | 875 |
| 900 | 17.1 | 82 | 11.3 | 331.4 | 970 | 19.1 | 93 | 14.5 | 342.6 | 986 | 17.5 | 94 | 13.3 | 337.3 | 978 | 19.0 | 86 | 13.3 | 339.4 | 991 | 900 |
| 925 | 18.3 | 86 | 12.4 | 333.1 | 735 | 20.6 | 92 | 15.3 | 343.8 | 749 | 19.4 | 95 | 14.8 | 341.1 | 742 | 20.6 | 86 | 14.3 | 341.1 | 754 | 925 |
| 950 | 19.5 | 90 | 13.5 | 335.0 | 505 | 22.1 | 90 | 16.1 | 345.2 | 517 | 21.4 | 96 | 16.4 | 345.2 | 511 | 22.1 | 85 | 15.2 | 342.8 | 522 | 950 |
| 975 | 21.9 | 85 | 14.5 | 338.0 | 280 | 24.3 | 83 | 16.5 | 346.6 | 289 | 23.2 | 95 | 17.7 | 348.4 | 283 | 23.7 | 82 | 15.8 | 343.8 | 295 | 975 |
| 1000 | 24.4 | 79 | 15.4 | 341.0 | 58 | 26.4 | 77 | 16.9 | 347.6 | 65 | 25.0 | 88 | 17.8 | 348.4 | 61 | 25.4 | 78 | 16.0 | 343.9 | 72 | 1000 |
| SFC. | 25.0 | 78 | 15.6 | 341.8 | 0 | 27.0 | 75 | 17.0 | 347.8 | 0 | 25.5 | 86 | 17.8 | 348.3 | 0 | 25.9 | 76 | 16.1 | 343.9 | 0 | SFC. |
| | SURFACE PRESSURE 1006.6 | | | | | SURFACE PRESSURE 1007.4 | | | | | SURFACE PRESSURE 1006.9 | | | | | SURFACE PRESSURE 1008.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — PALMYRA ISLAND

| P | 3/10 2023 GMT T | RH | W | EPT | H | 3/10 2335 GMT T | RH | W | EPT | H | 3/11 325 GMT T | RH | W | EPT | H | 3/11 555 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.2 | 0 | 0.0 | 462.8 | 19431 | -66.1 | 0 | 0.0 | 463.0 | 19476 | -64.5 | 0 | 0.0 | 466.5 | 19480 | -67.4 | 0 | 0.0 | 460.1 | 19481 | 60 |
| 70 | -71.9 | 0 | 0.0 | 430.6 | 18505 | -70.3 | 0 | 0.0 | 434.0 | 18553 | -66.8 | 0 | 0.0 | 441.5 | 18546 | -73.5 | 0 | 0.0 | 427.2 | 18559 | 70 |
| 80 | -76.0 | 0 | 0.0 | 406.0 | 17731 | -76.2 | 24 | .0 | 405.7 | 17775 | -77.2 | 0 | 0.0 | 403.5 | 17760 | -76.6 | 0 | 0.0 | 404.8 | 17787 | 80 |
| 90 | -78.7 | 0 | 0.0 | 387.2 | 17052 | -79.5 | 24 | .0 | 385.5 | 17098 | -79.3 | 27 | .0 | 385.9 | 17084 | -82.3 | 0 | 0.0 | 380.1 | 17119 | 90 |
| 100 | -81.1 | 0 | 0.0 | 371.1 | 16456 | -82.5 | 25 | .0 | 368.4 | 16505 | -81.4 | 29 | .0 | 370.5 | 16490 | -82.0 | 0 | 0.0 | 369.3 | 16529 | 100 |
| 110 | -79.5 | 0 | 0.0 | 364.1 | 15918 | -80.2 | 25 | .0 | 362.7 | 15970 | -81.2 | 29 | .0 | 360.8 | 15955 | -80.4 | 0 | 0.0 | 362.3 | 15994 | 110 |
| 120 | -78.0 | 0 | 0.0 | 357.8 | 15422 | -78.2 | 26 | .0 | 357.5 | 15476 | -79.0 | 28 | .0 | 356.1 | 15463 | -76.9 | 0 | 0.0 | 359.8 | 15498 | 120 |
| 130 | -74.7 | 0 | 0.0 | 355.6 | 14961 | -74.8 | 26 | .0 | 355.5 | 15015 | -75.2 | 29 | .0 | 354.7 | 15004 | -73.5 | 0 | 0.0 | 357.8 | 15034 | 130 |
| 140 | -71.5 | 0 | 0.0 | 353.9 | 14527 | -71.4 | 26 | .0 | 354.1 | 14581 | -71.7 | 29 | .0 | 353.5 | 14571 | -70.3 | 0 | 0.0 | 355.9 | 14598 | 140 |
| 150 | -68.5 | 0 | 0.0 | 352.2 | 14117 | -68.2 | 25 | .0 | 352.7 | 14170 | -68.2 | 28 | .0 | 352.6 | 14160 | -67.4 | 0 | 0.0 | 354.1 | 14185 | 150 |
| 160 | -65.6 | 0 | 0.0 | 350.5 | 13727 | -65.2 | 25 | .0 | 351.3 | 13780 | -65.0 | 28 | .0 | 351.7 | 13770 | -64.4 | 0 | 0.0 | 352.6 | 13793 | 160 |
| 170 | -62.8 | 0 | 0.0 | 349.2 | 13356 | -62.3 | 25 | .0 | 350.0 | 13408 | -61.9 | 28 | .0 | 350.7 | 13397 | -61.1 | 0 | 0.0 | 352.0 | 13420 | 170 |
| 180 | -59.8 | 0 | 0.0 | 348.4 | 13002 | -59.6 | 25 | .0 | 348.8 | 13053 | -59.0 | 27 | .0 | 349.8 | 13041 | -58.0 | 0 | 0.0 | 351.4 | 13062 | 180 |
| 190 | -57.1 | 0 | 0.0 | 347.5 | 12662 | -56.7 | 25 | .0 | 348.2 | 12712 | -56.3 | 27 | .0 | 348.8 | 12700 | -55.1 | 0 | 0.0 | 350.7 | 12719 | 190 |
| 200 | -54.4 | 0 | 0.0 | 346.6 | 12335 | -53.9 | 25 | .0 | 347.5 | 12385 | -53.7 | 27 | .0 | 347.9 | 12373 | -52.5 | 49 | .1 | 350.0 | 12389 | 200 |
| 225 | -48.3 | 24 | .1 | 344.8 | 11570 | -47.6 | 25 | .1 | 345.8 | 11618 | -47.5 | 27 | .1 | 346.0 | 11605 | -46.7 | 51 | .1 | 347.6 | 11618 | 225 |
| 250 | -42.6 | 22 | .1 | 343.0 | 10868 | -41.5 | 24 | .1 | 344.8 | 10913 | -41.6 | 29 | .1 | 344.7 | 10900 | -41.7 | 65 | .3 | 345.2 | 10912 | 250 |
| 275 | -37.6 | 20 | .1 | 341.3 | 10217 | -36.2 | 23 | .1 | 343.4 | 10259 | -36.2 | 24 | .2 | 343.4 | 10246 | -36.6 | 41 | .2 | 343.2 | 10258 | 275 |
| 300 | -32.9 | 19 | .2 | 339.6 | 9611 | -31.6 | 21 | .2 | 341.6 | 9649 | -31.2 | 19 | .2 | 342.1 | 9636 | -31.9 | 17 | .1 | 341.0 | 9650 | 300 |
| 325 | -28.6 | 19 | .2 | 338.1 | 9042 | -27.4 | 20 | .2 | 339.9 | 9078 | -27.0 | 19 | .2 | 340.5 | 9064 | -27.5 | 17 | .2 | 339.6 | 9079 | 325 |
| 350 | -24.6 | 18 | .3 | 336.6 | 8507 | -23.6 | 19 | .3 | 338.2 | 8540 | -23.1 | 19 | .3 | 338.9 | 8525 | -23.4 | 16 | .3 | 338.3 | 8541 | 350 |
| 375 | -21.0 | 18 | .3 | 335.2 | 8002 | -19.8 | 18 | .4 | 336.9 | 8032 | -19.4 | 18 | .4 | 337.5 | 8016 | -19.8 | 16 | .3 | 336.7 | 8033 | 375 |
| 400 | -17.8 | 19 | .4 | 333.6 | 7522 | -16.1 | 18 | .5 | 336.0 | 7550 | -16.0 | 18 | .5 | 336.1 | 7533 | -16.8 | 15 | .4 | 334.7 | 7551 | 400 |
| 425 | -14.5 | 24 | .7 | 332.9 | 7065 | -12.7 | 20 | .7 | 335.1 | 7090 | -12.8 | 18 | .6 | 334.8 | 7074 | -14.0 | 16 | .5 | 332.8 | 7093 | 425 |
| 450 | -11.4 | 28 | 1.0 | 332.5 | 6630 | -9.6 | 23 | .9 | 334.6 | 6651 | -10.3 | 20 | .8 | 333.2 | 6635 | -11.4 | 17 | .6 | 331.2 | 6657 | 450 |
| 475 | -10.1 | 39 | 1.5 | 330.6 | 6214 | -8.3 | 31 | 1.3 | 332.5 | 6233 | -8.5 | 25 | 1.1 | 331.3 | 6218 | -8.9 | 17 | .7 | 329.6 | 6241 | 475 |
| 500 | -8.0 | 34 | 1.4 | 328.3 | 5817 | -6.3 | 35 | 1.6 | 331.1 | 5833 | -6.7 | 30 | 1.4 | 329.6 | 5818 | -6.6 | 22 | 1.0 | 328.8 | 5842 | 500 |
| 525 | -4.9 | 26 | 1.3 | 327.1 | 5436 | -3.6 | 25 | 1.4 | 329.0 | 5450 | -3.7 | 24 | 1.3 | 328.7 | 5435 | -3.8 | 24 | 1.3 | 328.6 | 5459 | 525 |
| 550 | -1.7 | 23 | 1.4 | 327.0 | 5068 | -.8 | 23 | 1.5 | 328.5 | 5080 | -.7 | 19 | 1.2 | 327.6 | 5066 | -.7 | 17 | 1.1 | 327.1 | 5089 | 550 |
| 575 | 1.3 | 21 | 1.5 | 326.7 | 4712 | 1.2 | 22 | 1.6 | 327.0 | 4724 | 1.3 | 19 | 1.4 | 326.2 | 4710 | 1.2 | 15 | 1.1 | 325.2 | 4733 | 575 |
| 600 | 2.4 | 23 | 1.7 | 324.7 | 4369 | 3.2 | 21 | 1.7 | 325.5 | 4380 | 3.2 | 18 | 1.5 | 324.9 | 4366 | 2.5 | 43 | 3.3 | 329.8 | 4390 | 600 |
| 625 | 3.9 | 25 | 2.0 | 323.5 | 4039 | 5.0 | 20 | 1.7 | 324.0 | 4049 | 5.0 | 18 | 1.6 | 323.6 | 4034 | 4.4 | 40 | 3.3 | 328.3 | 4059 | 625 |
| 650 | 5.8 | 25 | 2.3 | 323.0 | 3719 | 6.8 | 18 | 1.7 | 322.6 | 3728 | 6.6 | 24 | 2.2 | 323.9 | 3713 | 6.2 | 37 | 3.4 | 326.9 | 3738 | 650 |
| 675 | 7.7 | 26 | 2.6 | 322.6 | 3409 | 8.0 | 31 | 3.1 | 324.7 | 3417 | 7.6 | 41 | 3.9 | 326.8 | 3403 | 8.3 | 58 | 5.9 | 333.4 | 3428 | 675 |
| 700 | 9.5 | 27 | 2.9 | 322.3 | 3108 | 10.1 | 43 | 4.8 | 328.8 | 3116 | 7.8 | 72 | 6.9 | 332.1 | 3103 | 10.3 | 86 | 9.7 | 343.3 | 3125 | 700 |
| 725 | 11.2 | 28 | 3.2 | 322.0 | 2817 | 12.0 | 54 | 6.6 | 333.1 | 2823 | 9.5 | 73 | 7.5 | 332.6 | 2812 | 10.9 | 74 | 8.4 | 337.1 | 2832 | 725 |
| 750 | 11.5 | 45 | 5.1 | 324.7 | 2533 | 13.0 | 59 | 7.3 | 333.1 | 2538 | 11.1 | 74 | 8.2 | 333.3 | 2529 | 12.3 | 81 | 9.7 | 339.0 | 2548 | 750 |
| 775 | 11.5 | 63 | 7.0 | 327.2 | 2259 | 13.9 | 63 | 8.1 | 333.3 | 2261 | 12.6 | 75 | 8.9 | 334.0 | 2254 | 12.6 | 96 | 11.4 | 341.0 | 2272 | 775 |
| 800 | 12.0 | 76 | 8.4 | 328.8 | 1993 | 14.9 | 66 | 8.9 | 333.5 | 1993 | 13.6 | 85 | 10.5 | 336.4 | 1987 | 13.5 | 96 | 11.8 | 340.0 | 2004 | 800 |
| 825 | 13.7 | 74 | 8.9 | 329.0 | 1734 | 15.8 | 70 | 9.6 | 333.7 | 1731 | 14.9 | 81 | 10.6 | 335.4 | 1726 | 14.6 | 96 | 12.2 | 339.5 | 1743 | 825 |
| 850 | 15.1 | 78 | 10.0 | 330.9 | 1481 | 16.6 | 74 | 10.4 | 334.0 | 1477 | 15.9 | 93 | 12.6 | 339.3 | 1472 | 16.4 | 95 | 13.3 | 341.6 | 1489 | 850 |
| 875 | 16.0 | 77 | 10.1 | 329.5 | 1235 | 17.6 | 77 | 11.2 | 334.6 | 1229 | 17.4 | 94 | 13.6 | 340.8 | 1224 | 18.2 | 94 | 14.3 | 343.8 | 1240 | 875 |
| 900 | 16.6 | 72 | 9.5 | 326.0 | 994 | 19.2 | 79 | 12.4 | 337.1 | 986 | 18.8 | 95 | 14.5 | 342.4 | 982 | 19.9 | 94 | 15.4 | 346.0 | 997 | 900 |
| 925 | 19.4 | 83 | 12.8 | 335.5 | 759 | 20.8 | 81 | 13.7 | 339.7 | 749 | 20.4 | 94 | 15.5 | 344.3 | 745 | 21.5 | 93 | 16.4 | 348.0 | 759 | 925 |
| 950 | 21.1 | 79 | 13.2 | 336.2 | 528 | 22.3 | 83 | 15.0 | 342.4 | 517 | 22.9 | 88 | 16.4 | 347.1 | 512 | 22.9 | 91 | 17.0 | 348.7 | 526 | 950 |
| 975 | 22.7 | 75 | 13.5 | 336.4 | 302 | 24.5 | 74 | 14.8 | 342.1 | 290 | 25.3 | 82 | 17.2 | 349.6 | 284 | 24.2 | 89 | 17.6 | 349.4 | 298 | 975 |
| 1000 | 25.0 | 74 | 14.9 | 340.3 | 80 | 26.7 | 64 | 14.2 | 340.6 | 66 | 27.6 | 76 | 17.8 | 351.8 | 60 | 25.6 | 87 | 18.2 | 350.0 | 75 | 1000 |
| SFC. | 26.4 | 76 | 16.5 | 345.8 | 0 | 27.3 | 61 | 14.0 | 340.0 | 0 | 28.2 | 74 | 18.0 | 352.3 | 0 | 26.0 | 86 | 18.4 | 350.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.1 | SURFACE PRESSURE | | | | 1007.5 | SURFACE PRESSURE | | | | 1006.7 | SURFACE PRESSURE | | | | 1008.5 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/11 835 GMT T | RH | W | EPT | H | 3/11 1115 GMT T | RH | W | EPT | H | 3/11 1810 GMT T | RH | W | EPT | H | 3/11 2355 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.7 | 0 | 0.0 | 470.6 | 19552 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 0 | 0.0 | 462.3 | 19493 | -63.9 | 18 | .0 | 468.1 | 19616 | 60 |
| 70 | -67.0 | 0 | 0.0 | 441.1 | 18612 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.8 | 0 | 0.0 | 441.5 | 18561 | -67.7 | 18 | .0 | 439.7 | 18681 | 70 |
| 80 | -75.2 | 0 | 0.0 | 407.7 | 17824 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.7 | 0 | 0.0 | 416.9 | 17757 | -75.7 | 18 | .0 | 406.6 | 17895 | 80 |
| 90 | -80.3 | 37 | .0 | 384.0 | 17150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.3 | 0 | 0.0 | 394.0 | 17071 | -78.6 | 18 | .0 | 387.4 | 17215 | 90 |
| 100 | -80.4 | 37 | .0 | 372.4 | 16557 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.3 | 0 | 0.0 | 372.7 | 16468 | -77.4 | 18 | .0 | 378.2 | 16613 | 100 |
| 110 | -78.8 | 37 | .0 | 365.5 | 16016 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.5 | 15 | .0 | 362.1 | 15931 | -76.5 | 18 | .0 | 369.8 | 16066 | 110 |
| 120 | -77.3 | 37 | .0 | 359.2 | 15519 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 15 | .0 | 358.6 | 15438 | -75.3 | 18 | .0 | 362.9 | 15563 | 120 |
| 130 | -74.4 | 37 | .0 | 356.3 | 15057 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.1 | 15 | .0 | 356.9 | 14975 | -71.1 | 18 | .0 | 362.2 | 15094 | 130 |
| 140 | -71.7 | 36 | .0 | 353.5 | 14622 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.5 | 15 | .0 | 352.1 | 14541 | -67.8 | 18 | .0 | 360.5 | 14652 | 140 |
| 150 | -68.7 | 36 | .0 | 351.8 | 14213 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.6 | 15 | .0 | 348.5 | 14134 | -65.5 | 18 | .0 | 357.3 | 14235 | 150 |
| 160 | -65.1 | 36 | .0 | 351.5 | 13823 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 15 | .0 | 347.6 | 13748 | -63.4 | 18 | .0 | 354.3 | 13840 | 160 |
| 170 | -61.7 | 36 | .0 | 351.1 | 13450 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.2 | 15 | .0 | 347.0 | 13380 | -60.9 | 18 | .0 | 352.4 | 13466 | 170 |
| 180 | -58.5 | 36 | .0 | 350.7 | 13094 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.2 | 15 | .0 | 346.2 | 13027 | -57.8 | 18 | .0 | 351.8 | 13108 | 180 |
| 190 | -55.5 | 36 | .0 | 350.2 | 12751 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.1 | 15 | .0 | 345.8 | 12689 | -54.8 | 19 | .0 | 351.2 | 12765 | 190 |
| 200 | -52.6 | 36 | .1 | 349.7 | 12422 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.1 | 15 | .0 | 345.5 | 12364 | -52.0 | 19 | .0 | 350.6 | 12434 | 200 |
| 225 | -46.3 | 37 | .1 | 347.9 | 11651 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.3 | 14 | .0 | 344.7 | 11600 | -45.5 | 20 | .1 | 349.0 | 11660 | 225 |
| 250 | -41.0 | 41 | .2 | 345.8 | 10942 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.0 | 14 | .0 | 342.4 | 10899 | -40.1 | 17 | .1 | 346.8 | 10949 | 250 |
| 275 | -36.5 | 61 | .4 | 343.8 | 10288 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.5 | 13 | .1 | 341.2 | 10249 | -35.6 | 13 | .1 | 344.1 | 10293 | 275 |
| 300 | -31.7 | 37 | .3 | 342.0 | 9679 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.9 | 13 | .1 | 339.5 | 9642 | -31.7 | 14 | .1 | 341.3 | 9682 | 300 |
| 325 | -27.2 | 14 | .2 | 340.0 | 9108 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.5 | 13 | .1 | 337.9 | 9075 | -27.3 | 14 | .2 | 339.9 | 9111 | 325 |
| 350 | -23.3 | 14 | .2 | 338.4 | 8570 | 0.0 | 0 | 0.0 | 0.0 | 0 | -24.1 | 12 | .2 | 337.1 | 8539 | -23.0 | 15 | .3 | 338.7 | 8573 | 350 |
| 375 | -19.6 | 14 | .3 | 336.8 | 8061 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.9 | 12 | .3 | 336.3 | 8031 | -19.1 | 15 | .3 | 337.7 | 8063 | 375 |
| 400 | -16.2 | 14 | .4 | 335.4 | 7578 | -17.3 | 18 | .4 | 334.2 | 7543 | -16.9 | 11 | .3 | 334.1 | 7549 | -15.3 | 41 | 1.2 | 339.5 | 7580 | 400 |
| 425 | -13.3 | 15 | .5 | 333.7 | 7120 | -15.3 | 28 | .8 | 332.2 | 7087 | -13.0 | 11 | .4 | 333.8 | 7091 | -12.0 | 14 | .5 | 335.6 | 7119 | 425 |
| 450 | -10.6 | 15 | .6 | 332.0 | 6682 | -12.1 | 22 | .7 | 330.7 | 6652 | -10.1 | 11 | .4 | 332.2 | 6653 | -8.8 | 14 | .6 | 334.4 | 6679 | 450 |
| 475 | -8.6 | 22 | .9 | 330.7 | 6265 | -9.5 | 21 | .8 | 329.1 | 6237 | -7.7 | 12 | .5 | 330.4 | 6234 | -7.3 | 44 | 2.0 | 336.0 | 6258 | 475 |
| 500 | -6.5 | 42 | 2.0 | 331.9 | 5866 | -7.2 | 33 | 1.5 | 329.5 | 5839 | -5.5 | 13 | .7 | 328.8 | 5834 | -5.5 | 42 | 2.2 | 333.8 | 5857 | 500 |
| 525 | -3.3 | 17 | 1.0 | 328.0 | 5482 | -4.6 | 33 | 1.7 | 328.8 | 5456 | -3.2 | 15 | .8 | 327.6 | 5449 | -3.4 | 25 | 1.4 | 329.2 | 5473 | 525 |
| 550 | -.5 | 14 | .9 | 326.8 | 5112 | -2.1 | 21 | 1.3 | 326.0 | 5088 | -2.0 | 18 | 1.1 | 325.5 | 5081 | -1.4 | 30 | 1.9 | 328.9 | 5104 | 550 |
| 575 | 1.5 | 19 | 1.4 | 326.7 | 4755 | .1 | 18 | 1.2 | 324.2 | 4734 | -1.0 | 20 | 1.3 | 323.1 | 4727 | .6 | 19 | 1.3 | 325.2 | 4748 | 575 |
| 600 | 2.3 | 44 | 3.3 | 329.6 | 4412 | 1.8 | 55 | 4.0 | 331.0 | 4392 | .1 | 60 | 3.9 | 328.6 | 4386 | 2.0 | 47 | 3.5 | 329.7 | 4406 | 600 |
| 625 | 5.1 | 53 | 4.7 | 333.3 | 4081 | 4.3 | 58 | 4.8 | 332.9 | 4061 | 3.2 | 51 | 4.0 | 328.8 | 4057 | 4.9 | 48 | 4.1 | 331.4 | 4074 | 625 |
| 650 | 7.9 | 70 | 7.2 | 340.6 | 3758 | 6.9 | 57 | 5.4 | 334.1 | 3739 | 6.2 | 43 | 3.9 | 328.7 | 3737 | 7.5 | 48 | 4.8 | 332.9 | 3752 | 650 |
| 675 | 9.4 | 68 | 7.5 | 339.4 | 3445 | 8.6 | 64 | 6.6 | 336.0 | 3428 | 7.3 | 70 | 6.7 | 334.6 | 3427 | 8.4 | 47 | 4.8 | 330.2 | 3441 | 675 |
| 700 | 10.8 | 66 | 7.7 | 338.2 | 3142 | 9.2 | 82 | 8.6 | 338.8 | 3126 | 9.1 | 71 | 7.4 | 335.2 | 3126 | 11.0 | 43 | 5.1 | 330.8 | 3139 | 700 |
| 725 | 12.1 | 68 | 8.4 | 338.5 | 2849 | 11.1 | 78 | 8.9 | 338.7 | 2833 | 10.3 | 88 | 9.6 | 339.5 | 2834 | 13.5 | 40 | 5.4 | 331.2 | 2845 | 725 |
| 750 | 13.5 | 78 | 10.2 | 342.0 | 2563 | 12.9 | 87 | 10.9 | 343.3 | 2548 | 11.4 | 87 | 9.8 | 338.3 | 2550 | 15.8 | 41 | 6.1 | 333.0 | 2558 | 750 |
| 775 | 14.8 | 87 | 12.1 | 345.7 | 2285 | 13.6 | 96 | 12.2 | 344.6 | 2271 | 12.5 | 85 | 10.1 | 337.2 | 2275 | 16.9 | 50 | 7.9 | 336.2 | 2279 | 775 |
| 800 | 16.1 | 93 | 13.5 | 348.0 | 2015 | 14.7 | 97 | 12.9 | 344.6 | 2002 | 13.6 | 84 | 10.4 | 336.1 | 2007 | 17.3 | 62 | 9.6 | 338.5 | 2007 | 800 |
| 825 | 17.2 | 93 | 14.0 | 347.9 | 1751 | 15.9 | 97 | 13.5 | 344.6 | 1740 | 15.8 | 86 | 11.9 | 340.1 | 1746 | 16.6 | 75 | 10.9 | 338.3 | 1745 | 825 |
| 850 | 18.3 | 93 | 14.6 | 347.8 | 1495 | 16.9 | 98 | 14.1 | 344.7 | 1485 | 17.1 | 88 | 12.8 | 341.2 | 1491 | 18.1 | 75 | 11.7 | 339.4 | 1489 | 850 |
| 875 | 19.3 | 93 | 15.2 | 347.7 | 1245 | 18.0 | 98 | 14.7 | 344.8 | 1236 | 18.4 | 89 | 13.7 | 342.4 | 1242 | 19.6 | 76 | 12.5 | 340.7 | 1239 | 875 |
| 900 | 20.4 | 93 | 15.7 | 347.7 | 1001 | 19.0 | 99 | 15.4 | 344.9 | 993 | 19.7 | 90 | 14.6 | 343.7 | 999 | 21.0 | 76 | 13.4 | 342.0 | 995 | 900 |
| 925 | 21.4 | 93 | 16.3 | 347.6 | 763 | 20.1 | 99 | 16.0 | 345.3 | 756 | 20.9 | 92 | 15.6 | 345.0 | 761 | 22.5 | 85 | 16.0 | 348.1 | 757 | 925 |
| 950 | 22.3 | 93 | 16.9 | 347.6 | 530 | 22.1 | 98 | 17.6 | 349.3 | 524 | 22.0 | 93 | 16.6 | 346.5 | 529 | 23.0 | 92 | 17.3 | 349.7 | 523 | 950 |
| 975 | 24.3 | 88 | 17.5 | 349.3 | 302 | 24.2 | 94 | 18.6 | 352.2 | 296 | 23.1 | 95 | 17.6 | 348.0 | 301 | 25.5 | 78 | 16.6 | 348.5 | 295 | 975 |
| 1000 | 26.3 | 83 | 18.1 | 350.9 | 79 | 26.3 | 88 | 19.3 | 354.2 | 73 | 24.2 | 96 | 18.7 | 349.6 | 79 | 27.8 | 74 | 17.7 | 351.7 | 70 | 1000 |
| SFC. | 27.0 | 81 | 18.3 | 351.4 | 0 | 27.0 | 86 | 19.5 | 354.7 | 0 | 24.6 | 97 | 19.1 | 350.2 | 0 | 28.5 | 73 | 18.0 | 352.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.9 | SURFACE PRESSURE | | | | 1008.2 | SURFACE PRESSURE | | | | 1009.0 | SURFACE PRESSURE | | | | 1007.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/12 312 GMT T | RH | W | EPT | H | 3/12 535 GMT T | RH | W | EPT | H | 3/12 1155 GMT T | RH | W | EPT | H | 3/12 1810 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.0 | 0 | 0.0 | 460.9 | 19516 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.0 | 0 | 0.0 | 465.4 | 19503 | -61.2 | 0 | 0.0 | 473.9 | 19645 | 60 |
| 70 | -72.4 | 26 | .0 | 429.6 | 18592 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.6 | 0 | 0.0 | 433.4 | 18575 | -65.7 | 14 | .0 | 443.9 | 18699 | 70 |
| 80 | -76.8 | 26 | .0 | 404.5 | 17820 | -77.8 | 0 | 0.0 | 402.4 | 17797 | -78.8 | 0 | 0.0 | 400.2 | 17803 | -76.1 | 11 | .0 | 405.9 | 17905 | 80 |
| 90 | -78.9 | 27 | .0 | 386.8 | 17145 | -79.7 | 28 | .0 | 385.1 | 17126 | -80.9 | 0 | 0.0 | 382.8 | 17136 | -80.3 | 14 | .0 | 384.0 | 17232 | 90 |
| 100 | -77.9 | 26 | .0 | 377.3 | 16547 | -81.2 | 29 | .0 | 370.9 | 16532 | -80.4 | 15 | .0 | 372.4 | 16544 | -79.5 | 16 | .0 | 374.2 | 16636 | 100 |
| 110 | -77.1 | 26 | .0 | 368.6 | 16001 | -78.6 | 29 | .0 | 365.9 | 15993 | -79.0 | 15 | .0 | 365.1 | 16004 | -76.7 | 16 | .0 | 369.4 | 16093 | 110 |
| 120 | -76.4 | 26 | .0 | 360.8 | 15501 | -76.2 | 30 | .0 | 361.3 | 15494 | -74.8 | 14 | .0 | 363.7 | 15504 | -72.9 | 15 | .0 | 367.3 | 15587 | 120 |
| 130 | -73.4 | 26 | .0 | 358.0 | 15036 | -73.9 | 30 | .0 | 357.1 | 15029 | -71.0 | 14 | .0 | 362.3 | 15035 | -69.4 | 15 | .0 | 365.2 | 15114 | 130 |
| 140 | -70.7 | 26 | .0 | 355.4 | 14600 | -71.9 | 30 | .0 | 353.2 | 14595 | -71.9 | 15 | .0 | 353.2 | 14599 | -68.6 | 15 | .0 | 359.0 | 14671 | 140 |
| 150 | -68.1 | 26 | .0 | 352.8 | 14188 | -69.0 | 30 | .0 | 351.3 | 14185 | -69.4 | 14 | .0 | 350.6 | 14190 | -65.7 | 15 | .0 | 357.0 | 14254 | 150 |
| 160 | -65.1 | 27 | .0 | 351.4 | 13798 | -66.0 | 30 | .0 | 349.9 | 13797 | -66.3 | 13 | .0 | 349.4 | 13802 | -63.2 | 15 | .0 | 354.7 | 13858 | 160 |
| 170 | -62.2 | 28 | .0 | 350.3 | 13426 | -63.2 | 30 | .0 | 348.5 | 13426 | -63.4 | 12 | .0 | 348.2 | 13432 | -59.7 | 15 | .0 | 354.4 | 13483 | 170 |
| 180 | -59.3 | 29 | .0 | 349.3 | 13070 | -60.3 | 30 | .0 | 347.6 | 13073 | -60.1 | 12 | .0 | 347.9 | 13078 | -56.3 | 14 | .0 | 354.1 | 13122 | 180 |
| 190 | -56.4 | 30 | .0 | 348.7 | 12729 | -57.3 | 30 | .0 | 347.2 | 12733 | -57.0 | 11 | .0 | 347.6 | 12738 | -53.2 | 14 | .0 | 353.8 | 12777 | 190 |
| 200 | -53.6 | 29 | .0 | 348.1 | 12402 | -54.5 | 30 | .0 | 346.7 | 12407 | -54.1 | 11 | .0 | 347.2 | 12412 | -50.6 | 14 | .0 | 352.8 | 12444 | 200 |
| 225 | -46.4 | 23 | .1 | 347.7 | 11632 | -47.1 | 26 | .1 | 346.6 | 11640 | -47.3 | 10 | .0 | 346.2 | 11644 | -46.8 | 13 | .0 | 347.0 | 11670 | 225 |
| 250 | -40.9 | 17 | .1 | 345.6 | 10922 | -42.2 | 16 | .1 | 343.7 | 10935 | -41.9 | 0 | 0.0 | 343.8 | 10939 | -41.0 | 13 | .1 | 345.3 | 10963 | 250 |
| 275 | -36.4 | 14 | .1 | 342.8 | 10269 | -36.5 | 13 | .1 | 342.7 | 10283 | -36.9 | M | M | M | 10286 | -37.1 | 13 | .1 | 341.8 | 10309 | 275 |
| 300 | -31.5 | 13 | .1 | 341.5 | 9659 | -31.4 | 12 | .1 | 341.6 | 9673 | -31.3 | M | M | M | 9677 | -31.8 | 13 | .1 | 341.1 | 9701 | 300 |
| 325 | -27.0 | 12 | .2 | 340.1 | 9088 | -27.6 | 12 | .1 | 339.3 | 9102 | -28.5 | M | M | M | 9106 | -27.3 | 12 | .2 | 339.8 | 9129 | 325 |
| 350 | -22.8 | 12 | .2 | 338.8 | 8549 | -23.3 | 12 | .2 | 338.1 | 8564 | -24.0 | M | M | M | 8571 | -23.5 | 12 | .2 | 337.8 | 8592 | 350 |
| 375 | -18.9 | 11 | .3 | 337.6 | 8039 | -19.4 | 11 | .2 | 337.0 | 8055 | -19.7 | M | M | M | 8063 | -19.0 | 12 | .3 | 337.5 | 8083 | 375 |
| 400 | -15.3 | 11 | .3 | 336.4 | 7555 | -15.7 | 10 | .3 | 335.7 | 7572 | -15.6 | M | M | M | 7580 | -16.0 | 12 | .3 | 335.5 | 7600 | 400 |
| 425 | -12.4 | 12 | .4 | 334.7 | 7094 | -12.8 | 14 | .5 | 334.4 | 7112 | -11.6 | M | M | M | 7119 | -12.2 | 11 | .4 | 334.9 | 7140 | 425 |
| 450 | -9.6 | 14 | .6 | 333.2 | 6656 | -10.1 | 19 | .7 | 333.3 | 6674 | -8.9 | M | M | M | 6679 | -8.6 | 10 | .5 | 334.2 | 6700 | 450 |
| 475 | -7.0 | 15 | .7 | 331.9 | 6236 | -7.5 | 23 | 1.0 | 332.5 | 6255 | -8.5 | M | M | M | 6260 | -7.1 | 11 | .5 | 331.0 | 6279 | 475 |
| 500 | -4.8 | 20 | 1.1 | 331.0 | 5834 | -5.0 | 27 | 1.4 | 331.9 | 5854 | -5.2 | M | M | M | 5860 | -5.1 | 19 | 1.0 | 330.5 | 5879 | 500 |
| 525 | -2.8 | 42 | 2.5 | 333.5 | 5449 | -2.7 | 30 | 1.8 | 331.5 | 5469 | -1.8 | M | M | M | 5474 | -1.6 | 17 | 1.1 | 330.3 | 5493 | 525 |
| 550 | -2.1 | 63 | 3.8 | 334.0 | 5080 | -.7 | 59 | 3.9 | 336.2 | 5098 | .7 | 18 | 1.3 | 329.5 | 5103 | .6 | 22 | 1.6 | 330.4 | 5121 | 550 |
| 575 | -.6 | 73 | 4.7 | 334.3 | 4725 | 1.5 | 54 | 4.0 | 334.9 | 4741 | 2.9 | 17 | 1.4 | 328.3 | 4744 | 2.4 | 30 | 2.4 | 330.8 | 4763 | 575 |
| 600 | 1.4 | 70 | 4.9 | 333.4 | 4383 | 2.4 | 56 | 4.3 | 332.8 | 4398 | 4.0 | 11 | .9 | 324.0 | 4399 | 4.2 | 34 | 3.0 | 330.8 | 4418 | 600 |
| 625 | 3.9 | 51 | 4.1 | 330.1 | 4053 | 4.9 | 43 | 3.7 | 330.0 | 4066 | 5.2 | 52 | 4.6 | 333.3 | 4067 | 6.0 | 35 | 3.3 | 330.2 | 4084 | 625 |
| 650 | 6.2 | 47 | 4.3 | 330.0 | 3732 | 7.2 | 49 | 4.8 | 332.4 | 3745 | 7.2 | 39 | 3.9 | 329.7 | 3745 | 7.5 | 39 | 3.9 | 330.1 | 3762 | 650 |
| 675 | 8.5 | 46 | 4.7 | 330.2 | 3421 | 9.2 | 55 | 6.0 | 334.7 | 3433 | 6.7 | 72 | 6.6 | 333.4 | 3435 | 8.3 | 53 | 5.4 | 332.0 | 3451 | 675 |
| 700 | 10.7 | 44 | 5.1 | 330.4 | 3119 | 11.0 | 54 | 6.4 | 334.6 | 3130 | 9.6 | 99 | 10.7 | 345.3 | 3134 | 10.7 | 46 | 5.3 | 330.9 | 3149 | 700 |
| 725 | 12.7 | 44 | 5.6 | 331.1 | 2826 | 12.5 | 61 | 7.7 | 337.1 | 2836 | 11.1 | 93 | 10.7 | 343.7 | 2841 | 12.4 | 40 | 5.0 | 328.7 | 2855 | 725 |
| 750 | 14.2 | 51 | 6.9 | 333.4 | 2540 | 13.5 | 72 | 9.4 | 339.7 | 2550 | 13.2 | 84 | 10.8 | 343.3 | 2556 | 14.2 | 44 | 5.9 | 330.5 | 2570 | 750 |
| 775 | 14.8 | 64 | 8.7 | 336.0 | 2262 | 14.6 | 73 | 10.0 | 339.5 | 2273 | 15.2 | 76 | 10.8 | 342.5 | 2278 | 15.9 | 47 | 6.8 | 332.0 | 2292 | 775 |
| 800 | 15.8 | 67 | 9.4 | 336.1 | 1993 | 15.7 | 83 | 11.7 | 342.6 | 2003 | 16.7 | 85 | 12.8 | 346.9 | 2008 | 17.1 | 59 | 9.1 | 336.8 | 2022 | 800 |
| 825 | 16.8 | 72 | 10.5 | 337.6 | 1730 | 16.7 | 92 | 13.5 | 345.8 | 1740 | 17.1 | 95 | 14.2 | 348.1 | 1744 | 17.7 | 51 | 7.9 | 331.1 | 1758 | 825 |
| 850 | 17.9 | 81 | 12.3 | 340.8 | 1475 | 17.8 | 99 | 15.1 | 348.5 | 1484 | 17.8 | 96 | 14.7 | 347.3 | 1488 | 18.3 | 64 | 10.1 | 335.1 | 1502 | 850 |
| 875 | 18.9 | 89 | 14.1 | 344.2 | 1225 | 18.7 | 95 | 14.9 | 346.2 | 1234 | 19.2 | 92 | 14.9 | 346.7 | 1238 | 18.9 | 77 | 12.2 | 339.0 | 1253 | 875 |
| 900 | 20.4 | 79 | 13.3 | 341.1 | 982 | 18.9 | 91 | 13.9 | 340.7 | 992 | 20.4 | 90 | 15.3 | 346.6 | 994 | 20.5 | 80 | 13.6 | 341.8 | 1010 | 900 |
| 925 | 21.8 | 73 | 13.1 | 339.3 | 744 | 20.1 | 97 | 15.7 | 344.3 | 755 | 21.2 | 98 | 17.0 | 349.3 | 756 | 22.0 | 82 | 14.9 | 344.7 | 771 | 925 |
| 950 | 22.9 | 78 | 14.5 | 342.1 | 511 | 23.0 | 98 | 18.5 | 353.1 | 522 | 23.2 | 94 | 18.0 | 351.9 | 523 | 23.6 | 84 | 16.3 | 347.8 | 538 | 950 |
| 975 | 24.8 | 75 | 15.3 | 343.8 | 283 | 25.1 | 91 | 19.1 | 354.8 | 294 | 25.1 | 91 | 19.0 | 354.5 | 294 | 25.3 | 82 | 17.4 | 350.1 | 309 | 975 |
| 1000 | 26.9 | 69 | 15.5 | 344.6 | 59 | 27.3 | 84 | 19.5 | 356.0 | 69 | 26.9 | 88 | 20.0 | 357.0 | 70 | 27.5 | 71 | 16.7 | 348.7 | 85 | 1000 |
| SFC. | 27.5 | 67 | 15.6 | 344.8 | 0 | 27.9 | 82 | 19.6 | 356.3 | 0 | 27.5 | 87 | 20.4 | 357.8 | 0 | 28.4 | 67 | 16.4 | 347.9 | 0 | SFC. |
| | SURFACE PRESSURE 1006.7 | | | | | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1007.9 | | | | | SURFACE PRESSURE 1009.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 3/12 2351 GMT | | | | | 3/13 555 GMT | | | | | 3/16 255 GMT | | | | | 3/16 535 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -64.1 | 0 | 0.0 | 467.4 | 19547 | -63.5 | 0 | 0.0 | 468.8 | 19516 | -66.5 | 0 | 0.0 | 462.1 | 19536 | -68.2 | 0 | 0.0 | 458.3 | 19534 | 60 |
| 70 | -71.7 | 0 | 0.0 | 431.0 | 18621 | -74.8 | 21 | .0 | 424.4 | 18595 | -68.6 | 0 | 0.0 | 437.7 | 18613 | -67.9 | 16 | .0 | 439.2 | 18610 | 70 |
| 80 | -77.9 | 17 | .0 | 402.2 | 17839 | -76.7 | 22 | .0 | 404.6 | 17817 | -72.5 | 11 | .0 | 413.2 | 17812 | -69.2 | 17 | .0 | 420.0 | 17809 | 80 |
| 90 | -79.7 | 17 | .0 | 385.1 | 17170 | -80.2 | 23 | .0 | 384.2 | 17151 | -81.3 | 11 | .0 | 382.0 | 17142 | -80.6 | 17 | .0 | 383.4 | 17119 | 90 |
| 100 | -80.5 | 17 | .0 | 372.2 | 16575 | -80.7 | 24 | .0 | 371.8 | 16554 | -81.1 | 11 | .0 | 371.0 | 16550 | -82.3 | 18 | .0 | 368.7 | 16528 | 100 |
| 110 | -78.4 | 17 | .0 | 366.2 | 16035 | -78.6 | 24 | .0 | 365.7 | 16014 | -78.8 | 11 | .0 | 365.4 | 16011 | -79.3 | 18 | .0 | 364.5 | 15991 | 110 |
| 120 | -74.0 | 17 | .0 | 365.2 | 15533 | -76.7 | 24 | .0 | 360.2 | 15516 | -76.5 | 11 | .0 | 360.7 | 15513 | -76.5 | 17 | .0 | 360.6 | 15493 | 120 |
| 130 | -70.0 | 17 | .0 | 364.2 | 15061 | -73.9 | 24 | .0 | 357.2 | 15053 | -74.3 | 11 | .0 | 356.4 | 15049 | -74.0 | 17 | .0 | 357.0 | 15029 | 130 |
| 140 | -69.8 | 17 | .0 | 356.8 | 14620 | -70.8 | 23 | .0 | 355.1 | 14617 | -70.7 | 11 | .0 | 355.2 | 14614 | -71.6 | 17 | .0 | 353.6 | 14594 | 140 |
| 150 | -66.9 | 17 | .0 | 354.9 | 14207 | -67.9 | 23 | .0 | 353.2 | 14205 | -67.4 | 10 | .0 | 353.9 | 14202 | -68.4 | 17 | .0 | 352.3 | 14184 | 150 |
| 160 | -63.9 | 17 | .0 | 353.4 | 13814 | -65.0 | 23 | .0 | 351.6 | 13815 | -64.4 | 10 | .0 | 352.7 | 13810 | -65.1 | 16 | .0 | 351.4 | 13794 | 160 |
| 170 | -61.2 | 17 | .0 | 351.9 | 13440 | -61.9 | 22 | .0 | 350.8 | 13442 | -61.4 | 10 | .0 | 351.6 | 13437 | -62.1 | 16 | .0 | 350.4 | 13422 | 170 |
| 180 | -58.4 | 17 | .0 | 350.7 | 13083 | -58.9 | 22 | .0 | 349.9 | 13086 | -58.5 | 10 | .0 | 350.6 | 13080 | -59.2 | 16 | .0 | 349.5 | 13066 | 180 |
| 190 | -55.8 | 16 | .0 | 349.6 | 12741 | -56.1 | 22 | .0 | 349.1 | 12745 | -55.7 | 10 | .0 | 349.7 | 12738 | -56.4 | 16 | .0 | 348.6 | 12726 | 190 |
| 200 | -53.4 | 16 | .0 | 348.4 | 12413 | -53.5 | 21 | .0 | 348.3 | 12417 | -53.1 | 10 | .0 | 348.8 | 12409 | -53.8 | 15 | .0 | 347.6 | 12398 | 200 |
| 225 | -47.3 | 16 | .0 | 346.2 | 11644 | -47.2 | 21 | .0 | 346.4 | 11648 | -47.1 | 10 | .0 | 346.5 | 11639 | -47.6 | 15 | .0 | 345.7 | 11631 | 225 |
| 250 | -41.7 | 16 | .1 | 344.4 | 10939 | -41.4 | 20 | .1 | 344.8 | 10942 | -41.4 | 10 | .0 | 344.7 | 10933 | -41.7 | 14 | .1 | 344.3 | 10926 | 250 |
| 275 | -35.7 | 15 | .1 | 344.0 | 10285 | -36.2 | 19 | .1 | 343.3 | 10288 | -35.9 | 10 | .1 | 343.4 | 10279 | -36.4 | 13 | .1 | 342.9 | 10272 | 275 |
| 300 | -31.7 | 15 | .1 | 341.3 | 9673 | -31.5 | 19 | .2 | 341.7 | 9678 | -31.7 | 10 | .1 | 341.1 | 9669 | -32.4 | 14 | .1 | 340.2 | 9663 | 300 |
| 325 | -27.4 | 15 | .2 | 339.7 | 9102 | -27.1 | 18 | .2 | 340.3 | 9107 | -27.9 | 10 | .1 | 338.8 | 9099 | -28.8 | 14 | .2 | 337.6 | 9096 | 325 |
| 350 | -23.1 | 15 | .3 | 338.7 | 8564 | -23.1 | 18 | .3 | 338.8 | 8568 | -23.3 | 10 | .2 | 338.1 | 8561 | -24.0 | 12 | .2 | 337.1 | 8560 | 350 |
| 375 | -19.2 | 15 | .3 | 337.5 | 8055 | -19.6 | 18 | .4 | 337.2 | 8060 | -19.2 | 10 | .2 | 337.1 | 8052 | -20.7 | 18 | .4 | 335.6 | 8053 | 375 |
| 400 | -15.7 | 15 | .4 | 336.2 | 7572 | -16.2 | 18 | .5 | 335.8 | 7577 | -15.7 | 10 | .3 | 335.7 | 7569 | -16.3 | 30 | .8 | 336.8 | 7571 | 400 |
| 425 | -12.1 | 15 | .5 | 335.4 | 7111 | -12.6 | 17 | .6 | 335.0 | 7117 | -12.4 | 10 | .3 | 334.4 | 7109 | -12.6 | 22 | .8 | 335.6 | 7112 | 425 |
| 450 | -8.8 | 15 | .7 | 334.7 | 6671 | -9.2 | 17 | .7 | 334.3 | 6678 | -9.4 | 15 | .6 | 333.7 | 6669 | -9.9 | 18 | .7 | 333.5 | 6673 | 450 |
| 475 | -6.8 | 16 | .8 | 332.4 | 6251 | -6.0 | 16 | .8 | 333.6 | 6258 | -7.4 | 13 | .6 | 331.0 | 6250 | -7.6 | 14 | .7 | 331.0 | 6254 | 475 |
| 500 | -4.7 | 20 | 1.1 | 331.3 | 5849 | -5.4 | 42 | 2.1 | 333.7 | 5856 | -5.5 | 11 | .5 | 328.4 | 5849 | -5.5 | 23 | 1.2 | 330.6 | 5853 | 500 |
| 525 | -2.6 | 25 | 1.5 | 330.7 | 5463 | -3.1 | 36 | 2.1 | 331.8 | 5471 | -3.2 | 10 | .6 | 326.8 | 5465 | -3.3 | 22 | 1.2 | 328.9 | 5469 | 525 |
| 550 | -.5 | 30 | 2.0 | 330.3 | 5093 | -.9 | 27 | 1.8 | 329.1 | 5101 | -.7 | 10 | .7 | 325.7 | 5095 | -1.2 | 23 | 1.5 | 327.9 | 5100 | 550 |
| 575 | 1.3 | 35 | 2.6 | 330.1 | 4736 | .6 | 52 | 3.6 | 332.5 | 4746 | .9 | 18 | 1.3 | 325.5 | 4740 | .8 | 33 | 2.3 | 328.7 | 4744 | 575 |
| 600 | 2.5 | 24 | 1.8 | 325.1 | 4393 | 3.2 | 44 | 3.5 | 331.4 | 4402 | 4.0 | 26 | 2.2 | 328.3 | 4396 | 2.5 | 47 | 3.6 | 330.8 | 4401 | 600 |
| 625 | 4.6 | 19 | 1.6 | 323.0 | 4062 | 4.6 | 42 | 3.5 | 329.3 | 4070 | 4.8 | 42 | 3.7 | 329.9 | 4063 | 4.0 | 53 | 4.4 | 331.0 | 4070 | 625 |
| 650 | 6.7 | 34 | 3.2 | 326.9 | 3742 | 7.0 | 41 | 4.0 | 329.8 | 3749 | 6.7 | 29 | 2.7 | 325.5 | 3743 | 5.9 | 41 | 3.7 | 327.4 | 3749 | 650 |
| 675 | 9.0 | 26 | 2.7 | 324.8 | 3431 | 9.4 | 40 | 4.4 | 330.3 | 3437 | 8.5 | 16 | 1.6 | 320.7 | 3432 | 7.6 | 37 | 3.6 | 325.7 | 3439 | 675 |
| 700 | 11.1 | 22 | 2.6 | 323.3 | 3128 | 11.2 | 44 | 5.2 | 331.4 | 3134 | 10.2 | 23 | 2.6 | 322.3 | 3131 | 9.2 | 49 | 5.1 | 328.7 | 3139 | 700 |
| 725 | 13.0 | 27 | 3.5 | 325.2 | 2835 | 12.6 | 50 | 6.4 | 333.1 | 2840 | 11.9 | 30 | 3.6 | 324.2 | 2838 | 10.8 | 50 | 5.6 | 328.8 | 2847 | 725 |
| 750 | 14.9 | 33 | 4.6 | 327.4 | 2549 | 13.9 | 57 | 7.6 | 335.0 | 2555 | 13.5 | 37 | 4.8 | 326.3 | 2553 | 12.4 | 50 | 6.0 | 328.7 | 2563 | 750 |
| 775 | 16.3 | 37 | 5.5 | 328.4 | 2271 | 15.2 | 63 | 8.8 | 337.0 | 2277 | 14.6 | 53 | 7.1 | 331.1 | 2276 | 14.0 | 50 | 6.5 | 328.7 | 2287 | 775 |
| 800 | 17.5 | 40 | 6.3 | 329.1 | 2000 | 16.4 | 57 | 8.3 | 333.8 | 2007 | 16.1 | 21 | 3.0 | 318.1 | 2007 | 15.5 | 50 | 6.9 | 328.7 | 2018 | 800 |
| 825 | 18.7 | 43 | 7.1 | 329.9 | 1737 | 16.7 | 76 | 11.1 | 339.1 | 1744 | 17.3 | 35 | 5.2 | 323.0 | 1745 | 16.7 | 57 | 8.3 | 331.2 | 1756 | 825 |
| 850 | 17.5 | 65 | 9.7 | 333.0 | 1480 | 17.7 | 85 | 12.9 | 342.4 | 1489 | 18.5 | 49 | 7.8 | 328.9 | 1490 | 17.7 | 71 | 10.7 | 336.1 | 1501 | 850 |
| 875 | 17.8 | 74 | 10.9 | 333.8 | 1232 | 19.0 | 89 | 14.3 | 344.8 | 1239 | 19.6 | 64 | 10.5 | 335.1 | 1241 | 18.6 | 85 | 13.2 | 341.2 | 1252 | 875 |
| 900 | 19.4 | 73 | 11.6 | 334.9 | 990 | 20.2 | 93 | 15.7 | 347.4 | 996 | 21.2 | 67 | 11.9 | 338.1 | 997 | 19.8 | 92 | 15.1 | 345.0 | 1009 | 900 |
| 925 | 20.9 | 73 | 12.3 | 336.1 | 753 | 21.5 | 97 | 17.1 | 350.0 | 757 | 22.8 | 69 | 13.2 | 340.9 | 758 | 21.3 | 93 | 16.2 | 347.3 | 771 | 925 |
| 950 | 22.7 | 71 | 13.1 | 337.9 | 521 | 23.4 | 92 | 17.8 | 351.7 | 524 | 24.3 | 72 | 14.6 | 344.0 | 524 | 23.0 | 92 | 17.3 | 349.5 | 538 | 950 |
| 975 | 25.0 | 69 | 14.3 | 341.3 | 293 | 25.2 | 88 | 18.5 | 353.2 | 295 | 26.3 | 70 | 15.6 | 346.8 | 295 | 25.2 | 84 | 17.8 | 351.1 | 310 | 975 |
| 1000 | 27.3 | 67 | 15.4 | 344.8 | 69 | 27.0 | 83 | 19.1 | 354.5 | 71 | 28.6 | 67 | 16.7 | 349.9 | 70 | 27.4 | 78 | 18.1 | 352.3 | 85 | 1000 |
| SFC. | 28.0 | 66 | 15.8 | 345.9 | 0 | 27.6 | 82 | 19.3 | 354.9 | 0 | 28.9 | 70 | 17.7 | 352.3 | 0 | 28.2 | 75 | 18.2 | 352.6 | 0 | SFC. |
| | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1007.9 | | | | | SURFACE PRESSURE 1009.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/16 1130 GMT T | RH | W | EPT | H | 3/16 1445 GMT T | RH | W | EPT | H | 3/17 9 0 GMT T | RH | W | EPT | H | 3/17 1213 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.7 | 0 | 0.0 | 457.2 | 19504 | -68.2 | 0 | 0.0 | 458.3 | 19498 | -65.8 | 0 | 0.0 | 463.6 | 19507 | -66.0 | 0 | 0.0 | 463.2 | 19504 | 60 |
| 70 | -69.9 | 0 | 0.0 | 434.8 | 18585 | -69.8 | 0 | 0.0 | 435.1 | 18576 | -70.0 | 0 | 0.0 | 434.7 | 18573 | -65.9 | 0 | 0.0 | 443.5 | 18561 | 70 |
| 80 | -70.2 | 17 | .0 | 418.1 | 17787 | -70.5 | 16 | .0 | 417.3 | 17781 | -72.3 | 0 | 0.0 | 413.6 | 17788 | -72.2 | 0 | 0.0 | 413.8 | 17768 | 80 |
| 90 | -82.8 | 18 | .0 | 379.0 | 17106 | -81.5 | 17 | .0 | 381.6 | 17106 | -79.7 | 0 | 0.0 | 385.2 | 17108 | -82.9 | 23 | .0 | 378.9 | 17091 | 90 |
| 100 | -82.8 | 19 | .0 | 367.8 | 16519 | -81.5 | 17 | .0 | 370.3 | 16515 | -79.4 | 19 | .0 | 374.3 | 16512 | -83.6 | 24 | .0 | 366.2 | 16505 | 100 |
| 110 | -79.6 | 19 | .0 | 364.0 | 15983 | -78.7 | 17 | .0 | 365.7 | 15976 | -78.7 | 19 | .0 | 365.6 | 15970 | -81.4 | 24 | .0 | 360.5 | 15972 | 110 |
| 120 | -76.6 | 19 | .0 | 360.4 | 15486 | -76.1 | 17 | .0 | 361.5 | 15477 | -77.2 | 19 | .0 | 359.3 | 15473 | -78.8 | 24 | .0 | 356.4 | 15481 | 120 |
| 130 | -73.9 | 18 | .0 | 357.1 | 15022 | -73.7 | 16 | .0 | 357.6 | 15012 | -74.1 | 19 | .0 | 356.8 | 15010 | -75.1 | 23 | .0 | 355.0 | 15021 | 130 |
| 140 | -71.4 | 18 | .0 | 354.1 | 14587 | -71.5 | 16 | .0 | 353.9 | 14577 | -71.2 | 19 | .0 | 354.4 | 14575 | -71.6 | 22 | .0 | 353.7 | 14588 | 140 |
| 150 | -68.5 | 18 | .0 | 352.1 | 14177 | -69.0 | 16 | .0 | 351.2 | 14167 | -68.4 | 19 | .0 | 352.4 | 14164 | -68.4 | 21 | .0 | 352.3 | 14177 | 150 |
| 160 | -65.4 | 18 | .0 | 351.0 | 13787 | -65.3 | 16 | .0 | 351.0 | 13778 | -65.3 | 18 | .0 | 351.1 | 13774 | -65.4 | 20 | .0 | 350.9 | 13787 | 160 |
| 170 | -62.4 | 17 | .0 | 349.9 | 13415 | -61.9 | 16 | .0 | 350.7 | 13406 | -62.4 | 18 | .0 | 349.9 | 13403 | -62.2 | 19 | .0 | 350.3 | 13416 | 170 |
| 180 | -59.6 | 17 | .0 | 348.8 | 13060 | -58.6 | 16 | .0 | 350.4 | 13049 | -59.6 | 17 | .0 | 348.7 | 13048 | -59.1 | 19 | .0 | 349.6 | 13060 | 180 |
| 190 | -56.9 | 17 | .0 | 347.8 | 12720 | -55.5 | 15 | .0 | 350.0 | 12707 | -57.1 | 17 | .0 | 347.5 | 12708 | -56.3 | 18 | .0 | 348.8 | 12719 | 190 |
| 200 | -54.2 | 17 | .0 | 347.0 | 12393 | -52.6 | 15 | .0 | 349.6 | 12378 | -54.6 | 16 | .0 | 346.4 | 12381 | -53.5 | 18 | .0 | 348.1 | 12391 | 200 |
| 225 | -48.0 | 17 | .0 | 345.2 | 11627 | -46.1 | 15 | .0 | 348.0 | 11606 | -48.9 | 15 | .0 | 343.7 | 11618 | -48.7 | 19 | .0 | 344.0 | 11624 | 225 |
| 250 | -42.4 | 16 | .1 | 343.4 | 10924 | -41.6 | 14 | .1 | 344.5 | 10898 | -42.4 | 14 | .1 | 343.3 | 10916 | -42.8 | 20 | .1 | 342.7 | 10923 | 250 |
| 275 | -37.3 | 16 | .1 | 341.6 | 10273 | -37.2 | 14 | .1 | 341.7 | 10246 | -37.1 | 15 | .1 | 341.9 | 10264 | -37.2 | 21 | .1 | 341.9 | 10272 | 275 |
| 300 | -32.0 | 15 | .1 | 340.8 | 9665 | -32.6 | 14 | .1 | 339.9 | 9639 | -33.2 | 25 | .2 | 339.4 | 9657 | -32.8 | 28 | .2 | 340.1 | 9664 | 300 |
| 325 | -27.8 | 15 | .2 | 339.1 | 9094 | -28.4 | 14 | .2 | 338.2 | 9070 | -29.1 | 23 | .2 | 337.5 | 9090 | -29.5 | 37 | .4 | 337.5 | 9098 | 325 |
| 350 | -24.2 | 16 | .2 | 337.2 | 8558 | -24.6 | 15 | .2 | 336.5 | 8535 | -25.0 | 18 | .3 | 336.1 | 8556 | -24.8 | 21 | .3 | 336.6 | 8564 | 350 |
| 375 | -20.6 | 16 | .3 | 335.6 | 8051 | -21.0 | 15 | .3 | 335.0 | 8029 | -21.2 | 18 | .3 | 334.8 | 8051 | -21.1 | 20 | .4 | 335.2 | 8058 | 375 |
| 400 | -17.2 | 16 | .4 | 334.2 | 7571 | -17.6 | 15 | .4 | 333.5 | 7549 | -17.7 | 17 | .4 | 333.5 | 7571 | -17.6 | 20 | .5 | 334.0 | 7578 | 400 |
| 425 | -13.6 | 16 | .5 | 333.4 | 7113 | -14.9 | 24 | .7 | 332.4 | 7093 | -14.2 | 14 | .4 | 332.3 | 7114 | -13.9 | 19 | .6 | 333.4 | 7121 | 425 |
| 450 | -10.9 | 14 | .5 | 331.6 | 6676 | -11.9 | 18 | .6 | 330.5 | 6658 | -11.1 | 12 | .4 | 331.0 | 6678 | -10.6 | 18 | .7 | 332.5 | 6684 | 450 |
| 475 | -8.3 | 13 | .5 | 329.7 | 6258 | -9.2 | 12 | .5 | 328.5 | 6242 | -9.2 | 12 | .5 | 328.4 | 6261 | -8.5 | 17 | .7 | 330.0 | 6266 | 475 |
| 500 | -6.0 | 13 | .6 | 328.0 | 5858 | -6.6 | 11 | .5 | 326.8 | 5843 | -6.8 | 12 | .6 | 326.8 | 5863 | -6.6 | 15 | .7 | 327.7 | 5867 | 500 |
| 525 | -3.9 | 13 | .7 | 326.4 | 5475 | -4.3 | 12 | .6 | 325.6 | 5461 | -4.5 | 14 | .7 | 325.7 | 5481 | -4.1 | 16 | .9 | 326.6 | 5485 | 525 |
| 550 | -2.0 | 20 | 1.2 | 325.9 | 5107 | -2.0 | 13 | .8 | 324.5 | 5093 | -2.3 | 15 | .9 | 324.5 | 5113 | -1.4 | 17 | 1.1 | 326.3 | 5116 | 550 |
| 575 | .4 | 25 | 1.7 | 326.4 | 4752 | .0 | 34 | 2.3 | 327.7 | 4738 | -.3 | 17 | 1.1 | 323.4 | 4759 | .5 | 29 | 2.0 | 327.3 | 4760 | 575 |
| 600 | 2.6 | 31 | 2.4 | 327.1 | 4409 | 2.0 | 21 | 1.5 | 323.6 | 4396 | 1.5 | 26 | 1.9 | 324.1 | 4417 | 1.7 | 48 | 3.5 | 329.5 | 4418 | 600 |
| 625 | 3.4 | 68 | 5.3 | 333.0 | 4078 | 3.2 | 67 | 5.2 | 332.4 | 4066 | 3.0 | 54 | 4.1 | 329.1 | 4088 | 3.3 | 60 | 4.7 | 331.1 | 4088 | 625 |
| 650 | 5.9 | 45 | 4.1 | 328.7 | 3758 | 5.1 | 57 | 4.8 | 329.9 | 3746 | 5.6 | 23 | 2.0 | 322.1 | 3768 | 5.6 | 32 | 2.8 | 324.6 | 3768 | 650 |
| 675 | 8.4 | 27 | 2.7 | 324.0 | 3448 | 7.4 | 35 | 3.4 | 324.8 | 3437 | 7.3 | 35 | 3.3 | 324.6 | 3459 | 7.4 | 34 | 3.2 | 324.4 | 3458 | 675 |
| 700 | 10.0 | 31 | 3.4 | 324.6 | 3146 | 9.3 | 34 | 3.5 | 324.1 | 3136 | 8.7 | 60 | 6.1 | 330.9 | 3159 | 8.6 | 54 | 5.5 | 329.0 | 3158 | 700 |
| 725 | 10.9 | 50 | 5.7 | 329.1 | 2854 | 8.5 | 77 | 7.5 | 331.4 | 2845 | 10.2 | 65 | 7.0 | 332.1 | 2867 | 10.2 | 65 | 7.1 | 332.3 | 2867 | 725 |
| 750 | 12.2 | 57 | 6.8 | 330.6 | 2570 | 10.3 | 98 | 10.4 | 338.5 | 2563 | 11.7 | 70 | 8.0 | 333.5 | 2584 | 12.1 | 68 | 8.1 | 334.2 | 2583 | 750 |
| 775 | 13.8 | 54 | 6.9 | 329.6 | 2294 | 12.2 | 87 | 10.1 | 336.9 | 2288 | 13.4 | 71 | 8.9 | 334.8 | 2308 | 13.9 | 71 | 9.2 | 336.3 | 2307 | 775 |
| 800 | 14.9 | 84 | 11.2 | 340.0 | 2026 | 14.2 | 81 | 10.4 | 336.9 | 2020 | 14.6 | 83 | 10.9 | 339.0 | 2039 | 15.0 | 79 | 10.6 | 338.5 | 2038 | 800 |
| 825 | 16.2 | 86 | 12.2 | 341.6 | 1764 | 15.7 | 87 | 11.9 | 339.8 | 1759 | 15.9 | 92 | 12.8 | 342.6 | 1778 | 16.1 | 86 | 12.0 | 340.8 | 1776 | 825 |
| 850 | 17.6 | 89 | 13.3 | 343.3 | 1508 | 17.4 | 86 | 12.8 | 341.5 | 1504 | 17.2 | 93 | 13.6 | 343.5 | 1522 | 17.6 | 88 | 13.3 | 343.2 | 1521 | 850 |
| 875 | 19.0 | 90 | 14.4 | 345.2 | 1259 | 19.1 | 85 | 13.7 | 343.3 | 1255 | 18.4 | 94 | 14.5 | 344.5 | 1273 | 19.4 | 88 | 14.4 | 345.7 | 1271 | 875 |
| 900 | 20.4 | 91 | 15.5 | 347.2 | 1015 | 20.8 | 84 | 14.6 | 345.1 | 1011 | 19.6 | 95 | 15.3 | 345.5 | 1030 | 21.1 | 88 | 15.6 | 348.3 | 1027 | 900 |
| 925 | 21.8 | 92 | 16.7 | 349.3 | 776 | 22.4 | 83 | 15.6 | 346.9 | 772 | 20.8 | 96 | 16.2 | 346.6 | 792 | 22.8 | 88 | 16.8 | 351.0 | 787 | 925 |
| 950 | 23.1 | 94 | 17.9 | 351.5 | 543 | 23.9 | 83 | 16.5 | 348.8 | 538 | 22.4 | 94 | 17.2 | 348.7 | 560 | 24.4 | 88 | 18.1 | 353.9 | 553 | 950 |
| 975 | 24.4 | 95 | 19.1 | 353.8 | 315 | 25.5 | 82 | 17.5 | 350.8 | 309 | 24.6 | 90 | 18.3 | 351.8 | 332 | 26.0 | 88 | 19.4 | 356.8 | 324 | 975 |
| 1000 | 26.0 | 87 | 18.7 | 351.9 | 91 | 26.9 | 81 | 18.5 | 352.8 | 85 | 26.6 | 87 | 19.4 | 354.8 | 108 | 27.5 | 88 | 20.8 | 359.9 | 99 | 1000 |
| SFC. | 26.6 | 83 | 18.3 | 350.7 | 0 | 27.5 | 81 | 18.9 | 353.5 | 0 | 27.6 | 85 | 19.9 | 356.2 | 0 | 28.2 | 88 | 21.4 | 361.3 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1010.3 | SURFACE PRESSURE | | | | 1009.6 | SURFACE PRESSURE | | | | 1012.2 | SURFACE PRESSURE | | | | 1011.1 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/17 18 7 GMT T | RH | W | EPT | H | 3/17 2317 GMT T | RH | W | EPT | H | 3/18 553 GMT T | RH | W | EPT | H | 3/18 1229 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.9 | 0 | 0.0 | 461.2 | 19464 | -66.3 | 0 | 0.0 | 462.5 | 19630 | -66.4 | 0 | 0.0 | 462.3 | 19598 | -64.8 | 0 | 0.0 | 465.8 | 19503 | 60 |
| 70 | -68.4 | 15 | .0 | 438.1 | 18535 | -67.1 | 0 | 0.0 | 440.9 | 18701 | -71.0 | 13 | .0 | 432.5 | 18675 | -69.8 | 0 | 0.0 | 435.1 | 18576 | 70 |
| 80 | -73.0 | 15 | .0 | 412.2 | 17743 | -67.1 | 15 | .0 | 424.4 | 17894 | -72.5 | 14 | .0 | 413.2 | 17888 | -72.5 | 17 | .0 | 413.3 | 17785 | 80 |
| 90 | -76.9 | 16 | .0 | 390.9 | 17053 | -74.1 | 16 | .0 | 396.4 | 17189 | -74.9 | 15 | .0 | 394.9 | 17198 | -74.9 | 17 | .0 | 394.7 | 17098 | 90 |
| 100 | -81.5 | 16 | .0 | 370.3 | 16459 | -79.5 | 17 | .0 | 374.2 | 16589 | -79.2 | 15 | .0 | 374.7 | 16593 | -79.5 | 17 | .0 | 374.2 | 16491 | 100 |
| 110 | -80.8 | 16 | .0 | 361.7 | 15924 | -78.3 | 16 | .0 | 366.4 | 16047 | -78.5 | 15 | .0 | 366.0 | 16051 | -81.6 | 16 | .0 | 360.1 | 15953 | 110 |
| 120 | -78.5 | 17 | .0 | 356.9 | 15431 | -76.6 | 16 | .0 | 360.4 | 15549 | -76.0 | 14 | .0 | 361.6 | 15552 | -78.1 | 16 | .0 | 357.7 | 15461 | 120 |
| 130 | -75.3 | 17 | .0 | 354.5 | 14971 | -73.0 | 16 | .0 | 358.8 | 15084 | -72.9 | 14 | .0 | 359.0 | 15086 | -74.9 | 15 | .0 | 355.3 | 15000 | 130 |
| 140 | -72.1 | 16 | .0 | 352.7 | 14538 | -69.6 | 15 | .0 | 357.3 | 14645 | -70.0 | 13 | .0 | 356.5 | 14648 | -72.0 | 15 | .0 | 353.1 | 14566 | 140 |
| 150 | -69.2 | 15 | .0 | 351.0 | 14129 | -66.5 | 15 | .0 | 355.6 | 14231 | -67.3 | 12 | .0 | 354.2 | 14235 | -69.2 | 15 | .0 | 350.9 | 14157 | 150 |
| 160 | -66.2 | 15 | .0 | 349.5 | 13741 | -64.5 | 16 | .0 | 352.5 | 13838 | -64.5 | 12 | .0 | 352.5 | 13844 | -65.8 | 15 | .0 | 350.2 | 13768 | 160 |
| 170 | -63.0 | 15 | .0 | 348.9 | 13370 | -61.3 | 16 | .0 | 351.7 | 13465 | -61.3 | 12 | .0 | 351.7 | 13470 | -62.7 | 15 | .0 | 349.4 | 13398 | 170 |
| 180 | -60.0 | 15 | .0 | 348.2 | 13016 | -58.0 | 15 | .0 | 351.3 | 13108 | -58.3 | 12 | .0 | 350.9 | 13113 | -59.7 | 15 | .0 | 348.6 | 13043 | 180 |
| 190 | -57.1 | 15 | .0 | 347.5 | 12676 | -54.9 | 15 | .0 | 351.0 | 12765 | -55.5 | 11 | .0 | 350.1 | 12771 | -56.9 | 15 | .0 | 347.8 | 12703 | 190 |
| 200 | -54.3 | 14 | .0 | 346.8 | 12350 | -52.0 | 15 | .0 | 350.5 | 12435 | -52.8 | 11 | .0 | 349.3 | 12442 | -54.3 | 15 | .0 | 347.0 | 12376 | 200 |
| 225 | -48.1 | 14 | .0 | 345.0 | 11584 | -45.7 | 15 | .0 | 348.6 | 11661 | -46.5 | 11 | .0 | 347.3 | 11671 | -48.0 | 15 | .0 | 345.1 | 11610 | 225 |
| 250 | -42.4 | 14 | .1 | 343.3 | 10881 | -40.1 | 14 | .1 | 346.7 | 10951 | -40.9 | 10 | .0 | 345.5 | 10963 | -41.9 | 14 | .1 | 344.0 | 10906 | 250 |
| 275 | -37.1 | 13 | .1 | 341.9 | 10229 | -35.0 | 14 | .1 | 344.9 | 10293 | -35.7 | 10 | .1 | 343.8 | 10308 | -36.5 | 14 | .1 | 342.8 | 10253 | 275 |
| 300 | -32.2 | 13 | .1 | 340.5 | 9621 | -30.4 | 14 | .1 | 343.1 | 9681 | -31.8 | 16 | .1 | 341.1 | 9697 | -33.3 | 24 | .2 | 339.2 | 9645 | 300 |
| 325 | -30.1 | 17 | .2 | 335.9 | 9055 | -27.1 | 15 | .2 | 340.1 | 9109 | -27.9 | 35 | .4 | 339.9 | 9127 | -30.2 | 41 | .4 | 336.6 | 9080 | 325 |
| 350 | -25.7 | 18 | .2 | 335.1 | 8522 | -23.5 | 16 | .3 | 338.1 | 8572 | -24.5 | 37 | .6 | 337.9 | 8592 | -26.9 | 60 | .7 | 335.2 | 8550 | 350 |
| 375 | -21.8 | 18 | .3 | 334.0 | 8018 | -19.7 | 17 | .4 | 337.0 | 8063 | -20.3 | 23 | .5 | 336.5 | 8085 | -22.1 | 40 | .7 | 334.9 | 8047 | 375 |
| 400 | -19.2 | 19 | .4 | 331.6 | 7541 | -16.5 | 19 | .5 | 335.5 | 7581 | -16.7 | 18 | .5 | 335.1 | 7604 | -18.7 | 24 | .5 | 332.7 | 7569 | 400 |
| 425 | -15.5 | 17 | .4 | 330.7 | 7086 | -13.1 | 18 | .6 | 334.3 | 7123 | -13.0 | 15 | .5 | 334.1 | 7145 | -14.8 | 17 | .5 | 331.8 | 7114 | 425 |
| 450 | -12.1 | 15 | .5 | 329.9 | 6652 | -10.0 | 16 | .6 | 333.1 | 6684 | -9.8 | 12 | .5 | 332.8 | 6707 | -11.2 | 11 | .4 | 330.6 | 6678 | 450 |
| 475 | -10.4 | 16 | .6 | 327.2 | 6237 | -8.1 | 18 | .8 | 330.9 | 6266 | -7.2 | 11 | .5 | 331.1 | 6287 | -8.7 | 23 | 1.0 | 330.8 | 6261 | 475 |
| 500 | -8.3 | 22 | .9 | 326.1 | 5840 | -5.5 | 18 | .9 | 329.6 | 5866 | -4.7 | 15 | .8 | 330.2 | 5886 | -6.3 | 37 | 1.8 | 331.4 | 5862 | 500 |
| 525 | -5.2 | 20 | 1.0 | 325.6 | 5459 | -3.1 | 18 | 1.0 | 328.4 | 5481 | -1.8 | 13 | .8 | 329.3 | 5500 | -2.9 | 16 | .9 | 328.3 | 5478 | 525 |
| 550 | -2.4 | 18 | 1.1 | 325.1 | 5092 | -.8 | 18 | 1.2 | 327.3 | 5112 | .3 | 13 | .9 | 327.7 | 5129 | -.4 | 25 | 1.7 | 329.5 | 5108 | 550 |
| 575 | -1.1 | 42 | 2.6 | 327.2 | 4738 | .8 | 35 | 2.4 | 329.1 | 4756 | 1.8 | 26 | 2.0 | 328.8 | 4772 | 1.6 | 30 | 2.2 | 329.4 | 4751 | 575 |
| 600 | -.2 | 56 | 3.5 | 327.2 | 4398 | 2.2 | 52 | 3.9 | 331.3 | 4413 | 3.9 | 10 | .8 | 323.7 | 4428 | 2.4 | 47 | 3.6 | 330.6 | 4407 | 600 |
| 625 | 2.3 | 26 | 1.9 | 321.4 | 4070 | 4.7 | 40 | 3.4 | 328.9 | 4081 | 6.2 | 10 | 1.0 | 322.9 | 4095 | 4.2 | 71 | 5.9 | 335.8 | 4076 | 625 |
| 650 | 4.5 | 22 | 1.8 | 320.0 | 3752 | 4.3 | 31 | 2.5 | 321.9 | 3761 | 7.4 | 11 | 1.1 | 321.2 | 3773 | 6.3 | 52 | 4.8 | 331.3 | 3755 | 650 |
| 675 | 6.5 | 28 | 2.5 | 321.0 | 3443 | 6.0 | 63 | 5.5 | 329.4 | 3453 | 9.0 | 12 | 1.3 | 320.2 | 3462 | 8.1 | 42 | 4.2 | 328.1 | 3444 | 675 |
| 700 | 8.5 | 33 | 3.2 | 322.3 | 3144 | 8.6 | 78 | 7.8 | 335.9 | 3153 | 11.1 | 13 | 1.5 | 320.0 | 3160 | 10.2 | 36 | 4.0 | 326.6 | 3143 | 700 |
| 725 | 10.3 | 38 | 4.1 | 323.8 | 2853 | 11.3 | 73 | 8.5 | 337.7 | 2860 | 12.8 | 28 | 3.5 | 324.9 | 2867 | 11.8 | 43 | 5.1 | 328.3 | 2850 | 725 |
| 750 | 12.2 | 43 | 5.1 | 325.5 | 2569 | 13.7 | 56 | 7.4 | 334.1 | 2575 | 14.2 | 48 | 6.5 | 332.1 | 2581 | 13.3 | 49 | 6.2 | 330.3 | 2566 | 750 |
| 775 | 13.8 | 48 | 6.2 | 327.5 | 2294 | 14.2 | 69 | 9.1 | 336.5 | 2298 | 13.7 | 89 | 11.4 | 342.4 | 2304 | 14.4 | 62 | 8.3 | 334.4 | 2289 | 775 |
| 800 | 14.6 | 58 | 7.6 | 329.5 | 2025 | 15.1 | 73 | 9.9 | 336.8 | 2029 | 15.5 | 97 | 13.6 | 347.7 | 2035 | 14.9 | 80 | 10.7 | 338.7 | 2020 | 800 |
| 825 | 15.4 | 67 | 9.0 | 331.4 | 1764 | 16.6 | 58 | 8.3 | 331.1 | 1767 | 17.2 | 99 | 15.0 | 350.5 | 1771 | 16.3 | 79 | 11.2 | 338.8 | 1758 | 825 |
| 850 | 16.3 | 75 | 10.3 | 333.2 | 1510 | 17.9 | 59 | 8.9 | 331.4 | 1512 | 18.7 | 98 | 15.9 | 351.9 | 1515 | 17.5 | 93 | 13.9 | 344.8 | 1502 | 850 |
| 875 | 17.9 | 73 | 10.7 | 333.6 | 1262 | 19.3 | 59 | 9.5 | 331.9 | 1263 | 19.6 | 98 | 16.4 | 351.5 | 1264 | 18.9 | 90 | 14.4 | 344.9 | 1253 | 875 |
| 900 | 19.4 | 70 | 11.2 | 334.0 | 1020 | 20.5 | 60 | 10.1 | 332.3 | 1020 | 20.5 | 99 | 16.9 | 351.0 | 1020 | 20.3 | 88 | 14.8 | 344.9 | 1009 | 900 |
| 925 | 20.8 | 73 | 12.3 | 335.9 | 783 | 21.8 | 63 | 11.3 | 334.2 | 782 | 22.1 | 99 | 18.2 | 353.9 | 781 | 21.6 | 85 | 15.2 | 344.8 | 771 | 925 |
| 950 | 22.0 | 77 | 13.6 | 338.4 | 551 | 22.9 | 75 | 14.0 | 340.5 | 550 | 23.7 | 99 | 19.6 | 356.9 | 547 | 23.4 | 84 | 16.2 | 347.3 | 538 | 950 |
| 975 | 24.2 | 75 | 14.7 | 341.6 | 324 | 25.2 | 74 | 15.5 | 344.8 | 322 | 25.8 | 93 | 20.4 | 359.3 | 318 | 25.3 | 83 | 17.5 | 350.4 | 309 | 975 |
| 1000 | 26.4 | 72 | 15.8 | 344.8 | 101 | 27.4 | 74 | 17.2 | 349.8 | 97 | 28.1 | 86 | 21.0 | 361.2 | 93 | 27.1 | 81 | 18.7 | 353.6 | 85 | 1000 |
| SFC. | 27.4 | 71 | 16.4 | 346.3 | 0 | 28.0 | 85 | 20.4 | 358.3 | 0 | 29.0 | 83 | 21.2 | 361.8 | 0 | 27.8 | 81 | 19.2 | 354.9 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1011.4 | SURFACE PRESSURE | | | | 1011.0 | SURFACE PRESSURE | | | | 1010.4 | SURFACE PRESSURE | | | | 1009.6 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/18 1450 GMT T | RH | W | EPT | H | 3/18 1820 GMT T | RH | W | EPT | H | 3/18 2023 GMT T | RH | W | EPT | H | 3/18 2315 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.4 | 0 | 0.0 | 466.8 | 19569 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 0 | 0.0 | 462.2 | 19496 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.7 | 0 | 0.0 | 441.7 | 18634 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.7 | 0 | 0.0 | 433.1 | 18572 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.6 | 0 | 0.0 | 411.0 | 17834 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.3 | 0 | 0.0 | 411.5 | 17787 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 19 | .0 | 391.0 | 17157 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 18 | .0 | 389.4 | 17101 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 19 | .0 | 379.8 | 16551 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.8 | 18 | .0 | 375.5 | 16499 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.4 | 19 | .0 | 366.1 | 16004 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.0 | 18 | .0 | 370.7 | 15953 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.1 | 20 | .0 | 359.6 | 15508 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.2 | 18 | .0 | 361.2 | 15451 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.4 | 20 | .0 | 356.3 | 15045 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.7 | 18 | .0 | 357.5 | 14987 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.8 | 19 | .0 | 353.3 | 14611 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 18 | .0 | 354.1 | 14551 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.7 | 19 | .0 | 351.8 | 14201 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.2 | 18 | .0 | 350.9 | 14141 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.0 | 19 | .0 | 351.6 | 13811 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.2 | 18 | .0 | 349.5 | 13753 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.5 | 19 | .0 | 351.3 | 13439 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.2 | 18 | .0 | 348.6 | 13383 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.3 | 18 | .0 | 351.0 | 13082 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.3 | 18 | .0 | 347.6 | 13029 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.2 | 18 | .0 | 350.6 | 12739 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.6 | 17 | .0 | 346.7 | 12690 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -52.3 | 18 | .0 | 350.1 | 12409 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.0 | 17 | .0 | 345.7 | 12364 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.3 | 17 | .0 | 346.3 | 11640 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.9 | 17 | .0 | 343.7 | 11602 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.6 | 16 | .1 | 344.5 | 10934 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.9 | 17 | .1 | 342.6 | 10901 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.8 | 16 | .1 | 342.3 | 10281 | 0.0 | 0 | 0.0 | 0.0 | 0 | -38.1 | 16 | .1 | 340.4 | 10251 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.4 | 15 | .1 | 340.3 | 9673 | 0.0 | 0 | 0.0 | 0.0 | 0 | -33.4 | 16 | .1 | 338.8 | 9646 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.4 | 15 | .2 | 338.3 | 9104 | -28.4 | 14 | .2 | 338.2 | 9095 | -28.8 | 17 | .2 | 337.8 | 9079 | 325 |
| 350 | -27.3 | 66 | .8 | 334.8 | 8529 | -26.2 | 31 | .4 | 334.9 | 8571 | -24.0 | 14 | .2 | 337.3 | 8559 | -24.5 | 18 | .3 | 336.8 | 8544 | 350 |
| 375 | -23.2 | 49 | .8 | 333.8 | 8029 | -21.8 | 27 | .5 | 334.6 | 8067 | -21.8 | 18 | .3 | 334.0 | 8054 | -20.8 | 18 | .3 | 335.4 | 8038 | 375 |
| 400 | -19.0 | 40 | .9 | 333.4 | 7552 | -17.6 | 24 | .6 | 334.3 | 7588 | -18.1 | 19 | .4 | 333.1 | 7575 | -18.3 | 20 | .5 | 332.9 | 7558 | 400 |
| 425 | -15.3 | 43 | 1.2 | 333.6 | 7097 | -13.9 | 22 | .7 | 333.7 | 7131 | -14.6 | 19 | .6 | 332.4 | 7119 | -14.9 | 19 | .5 | 331.9 | 7102 | 425 |
| 450 | -11.7 | 24 | .8 | 331.7 | 6662 | -10.4 | 20 | .8 | 333.1 | 6694 | -11.3 | 20 | .7 | 331.7 | 6683 | -11.7 | 18 | .6 | 330.9 | 6667 | 450 |
| 475 | -8.4 | 21 | .9 | 330.8 | 6246 | -7.6 | 22 | 1.0 | 332.2 | 6275 | -8.4 | 20 | .9 | 330.7 | 6266 | -8.6 | 17 | .7 | 330.0 | 6250 | 475 |
| 500 | -6.5 | 39 | 1.8 | 331.5 | 5846 | -5.9 | 29 | 1.4 | 330.8 | 5874 | -5.9 | 21 | 1.0 | 329.7 | 5866 | -5.9 | 18 | .9 | 329.1 | 5851 | 500 |
| 525 | -3.9 | 33 | 1.8 | 330.0 | 5463 | -3.7 | 30 | 1.7 | 329.7 | 5491 | -3.4 | 22 | 1.2 | 328.7 | 5482 | -3.3 | 20 | 1.1 | 328.5 | 5467 | 525 |
| 550 | -1.4 | 38 | 2.4 | 330.4 | 5094 | -.7 | 31 | 2.1 | 330.3 | 5121 | -1.1 | 23 | 1.5 | 327.8 | 5113 | -.9 | 22 | 1.4 | 328.0 | 5097 | 550 |
| 575 | .7 | 45 | 3.2 | 331.3 | 4738 | 1.6 | 25 | 1.8 | 328.2 | 4764 | 1.0 | 24 | 1.7 | 326.9 | 4757 | 1.4 | 24 | 1.8 | 327.7 | 4741 | 575 |
| 600 | 2.5 | 27 | 2.1 | 326.0 | 4395 | 3.0 | 19 | 1.5 | 324.6 | 4421 | 2.9 | 24 | 1.9 | 326.0 | 4414 | 2.4 | 34 | 2.5 | 327.3 | 4397 | 600 |
| 625 | 4.5 | 33 | 2.8 | 326.7 | 4064 | 5.5 | 21 | 1.9 | 325.2 | 4089 | 4.7 | 27 | 2.3 | 325.5 | 4082 | 4.2 | 32 | 2.6 | 325.9 | 4067 | 625 |
| 650 | 6.3 | 35 | 3.2 | 326.5 | 3743 | 7.4 | 36 | 3.5 | 328.8 | 3767 | 6.2 | 35 | 3.2 | 326.5 | 3762 | 6.7 | 22 | 2.1 | 323.5 | 3746 | 650 |
| 675 | 8.3 | 30 | 3.1 | 324.9 | 3432 | 9.2 | 31 | 3.4 | 327.0 | 3456 | 8.9 | 26 | 2.7 | 324.6 | 3451 | 8.8 | 24 | 2.5 | 323.7 | 3435 | 675 |
| 700 | 10.1 | 32 | 3.5 | 324.9 | 3131 | 11.0 | 26 | 3.0 | 324.5 | 3153 | 10.5 | 28 | 3.1 | 324.2 | 3149 | 10.5 | 34 | 3.8 | 326.3 | 3134 | 700 |
| 725 | 11.8 | 34 | 4.0 | 325.1 | 2838 | 12.4 | 27 | 3.3 | 323.8 | 2860 | 12.0 | 30 | 3.6 | 324.0 | 2856 | 12.1 | 43 | 5.3 | 329.2 | 2840 | 725 |
| 750 | 13.1 | 47 | 6.0 | 329.3 | 2554 | 13.4 | 39 | 5.0 | 326.9 | 2575 | 13.4 | 32 | 4.0 | 323.9 | 2572 | 13.5 | 49 | 6.3 | 330.8 | 2556 | 750 |
| 775 | 14.3 | 61 | 8.1 | 333.8 | 2277 | 14.8 | 44 | 6.1 | 328.4 | 2299 | 14.7 | 35 | 4.7 | 324.3 | 2295 | 14.5 | 54 | 7.3 | 331.7 | 2279 | 775 |
| 800 | 14.8 | 78 | 10.4 | 337.6 | 2008 | 16.5 | 38 | 5.6 | 326.0 | 2029 | 15.6 | 44 | 6.1 | 326.3 | 2026 | 14.7 | 54 | 7.2 | 328.5 | 2010 | 800 |
| 825 | 15.3 | 93 | 12.4 | 340.9 | 1747 | 17.2 | 40 | 6.0 | 325.2 | 1767 | 16.4 | 52 | 7.5 | 328.4 | 1765 | 16.1 | 35 | 4.8 | 320.4 | 1749 | 825 |
| 850 | 16.9 | 92 | 13.2 | 342.1 | 1492 | 17.9 | 60 | 9.2 | 332.1 | 1511 | 18.5 | 41 | 6.4 | 324.9 | 1510 | 16.4 | 58 | 8.0 | 326.9 | 1495 | 850 |
| 875 | 18.4 | 91 | 14.0 | 343.3 | 1243 | 19.3 | 62 | 10.0 | 333.5 | 1262 | 19.0 | 48 | 7.5 | 326.1 | 1261 | 18.2 | 54 | 8.1 | 326.6 | 1247 | 875 |
| 900 | 19.9 | 90 | 14.8 | 344.6 | 1000 | 21.1 | 55 | 9.6 | 331.6 | 1019 | 20.5 | 51 | 8.7 | 328.4 | 1018 | 19.8 | 53 | 8.6 | 327.2 | 1005 | 900 |
| 925 | 21.3 | 89 | 15.6 | 345.8 | 762 | 22.4 | 64 | 11.9 | 336.9 | 781 | 22.0 | 55 | 9.9 | 330.9 | 780 | 21.0 | 67 | 11.4 | 333.7 | 768 | 925 |
| 950 | 22.8 | 89 | 16.5 | 347.1 | 529 | 23.6 | 74 | 14.4 | 342.5 | 548 | 22.8 | 66 | 12.3 | 335.7 | 548 | 22.7 | 71 | 13.1 | 337.7 | 536 | 950 |
| 975 | 24.3 | 86 | 17.2 | 348.3 | 301 | 24.9 | 75 | 15.4 | 344.4 | 319 | 24.4 | 67 | 13.3 | 338.0 | 320 | 24.9 | 67 | 13.7 | 339.5 | 308 | 975 |
| 1000 | 26.2 | 80 | 17.5 | 349.0 | 78 | 26.9 | 76 | 17.2 | 349.2 | 96 | 26.6 | 66 | 14.6 | 341.5 | 97 | 27.9 | 71 | 17.0 | 349.8 | 85 | 1000 |
| SFC. | 26.9 | 78 | 17.5 | 349.1 | 0 | 28.0 | 80 | 19.2 | 354.9 | 0 | 27.8 | 74 | 17.5 | 350.0 | 0 | 29.7 | 79 | 21.0 | 362.4 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1008.8 | | SURFACE PRESSURE | | | 1010.8 | | SURFACE PRESSURE | | | 1011.0 | | SURFACE PRESSURE | | | 1009.5 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/19 310 GMT T | RH | W | EPT | H | 3/19 6 0 GMT T | RH | W | EPT | H | 3/19 9 4 GMT T | RH | W | EPT | H | 3/19 1145 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.5 | 0 | 0.0 | 462.1 | 19559 | -68.5 | 0 | 0.0 | 457.6 | 19474 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.9 | 0 | 0.0 | 470.1 | 19464 | 60 |
| 70 | -71.5 | 0 | 0.0 | 431.4 | 18637 | -73.5 | 24 | .0 | 427.2 | 18562 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 25 | .0 | 431.8 | 18538 | 70 |
| 80 | -72.0 | 0 | 0.0 | 414.2 | 17849 | -76.6 | 24 | .0 | 404.8 | 17789 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 25 | .0 | 409.5 | 17754 | 80 |
| 90 | -72.5 | 18 | .0 | 399.6 | 17156 | -76.6 | 24 | .0 | 391.4 | 17111 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.9 | 26 | .0 | 390.8 | 17073 | 90 |
| 100 | -79.4 | 20 | .0 | 374.4 | 16548 | -79.4 | 23 | .0 | 374.3 | 16508 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.2 | 26 | .0 | 374.7 | 16471 | 100 |
| 110 | -79.2 | 20 | .0 | 364.6 | 16010 | -77.6 | 23 | .0 | 367.7 | 15964 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.0 | 26 | .0 | 365.0 | 15929 | 110 |
| 120 | -76.5 | 21 | .0 | 360.6 | 15512 | -75.9 | 23 | .0 | 361.8 | 15464 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 26 | .0 | 360.5 | 15432 | 120 |
| 130 | -74.0 | 21 | .0 | 357.0 | 15048 | -74.3 | 23 | .0 | 356.3 | 15000 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.1 | 27 | .0 | 356.7 | 14968 | 130 |
| 140 | -71.5 | 21 | .0 | 353.8 | 14613 | -71.4 | 23 | .0 | 354.0 | 14565 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.9 | 27 | .0 | 353.2 | 14534 | 140 |
| 150 | -67.9 | 21 | .0 | 353.2 | 14202 | -68.5 | 22 | .0 | 352.1 | 14155 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.0 | 27 | .0 | 351.2 | 14124 | 150 |
| 160 | -64.5 | 20 | .0 | 352.4 | 13811 | -65.8 | 21 | .0 | 350.3 | 13765 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.9 | 27 | .0 | 350.1 | 13736 | 160 |
| 170 | -61.3 | 20 | .0 | 351.7 | 13438 | -63.2 | 21 | .0 | 348.5 | 13395 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.0 | 27 | .0 | 348.9 | 13365 | 170 |
| 180 | -58.2 | 20 | .0 | 351.0 | 13081 | -59.9 | 22 | .0 | 348.3 | 13041 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.2 | 27 | .0 | 347.8 | 13011 | 180 |
| 190 | -55.3 | 19 | .0 | 350.3 | 12738 | -56.7 | 23 | .0 | 348.2 | 12701 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.6 | 26 | .0 | 346.7 | 12672 | 190 |
| 200 | -52.6 | 19 | .0 | 349.6 | 12409 | -53.6 | 23 | .0 | 348.1 | 12373 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.1 | 26 | .0 | 345.6 | 12346 | 200 |
| 225 | -46.3 | 18 | .0 | 347.8 | 11637 | -49.1 | 20 | .0 | 343.5 | 11607 | 0.0 | 0 | 0.0 | 0.0 | 0 | -49.5 | 26 | .0 | 343.0 | 11584 | 225 |
| 250 | -40.7 | 18 | .1 | 346.0 | 10929 | -43.0 | 18 | .1 | 342.5 | 10906 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.6 | 22 | .1 | 341.5 | 10885 | 250 |
| 275 | -35.5 | 17 | .1 | 344.2 | 10272 | -37.5 | 16 | .1 | 341.4 | 10256 | -37.4 | M | M | M | 10259 | -38.2 | 18 | .1 | 340.3 | 10237 | 275 |
| 300 | -30.9 | 17 | .2 | 342.5 | 9661 | -32.6 | 17 | .1 | 340.1 | 9649 | -32.3 | M | M | M | 9652 | -33.4 | 21 | .2 | 338.9 | 9632 | 300 |
| 325 | -26.6 | 16 | .2 | 340.9 | 9088 | -28.1 | 14 | .2 | 338.6 | 9080 | -27.6 | M | M | M | 9082 | -29.1 | 27 | .3 | 337.8 | 9065 | 325 |
| 350 | -22.6 | 16 | .3 | 339.5 | 8549 | -23.1 | 14 | .2 | 338.6 | 8543 | -23.4 | M | M | M | 8544 | -25.2 | 59 | .8 | 337.9 | 8531 | 350 |
| 375 | -18.8 | 16 | .4 | 338.2 | 8038 | -20.2 | 17 | .4 | 336.3 | 8035 | -19.9 | M | M | M | 8036 | -21.4 | 57 | 1.1 | 337.2 | 8026 | 375 |
| 400 | -15.8 | 18 | .5 | 336.4 | 7554 | -16.7 | 16 | .4 | 334.9 | 7554 | -17.0 | M | M | M | 7554 | -17.7 | 45 | 1.1 | 335.9 | 7547 | 400 |
| 425 | -14.2 | 26 | .8 | 333.6 | 7097 | -14.9 | 30 | .8 | 332.9 | 7096 | -14.3 | M | M | M | 7097 | -13.5 | 55 | 1.7 | 337.8 | 7089 | 425 |
| 450 | -10.9 | 27 | 1.0 | 333.1 | 6660 | -12.3 | 36 | 1.2 | 332.1 | 6662 | -12.9 | M | M | M | 6663 | -11.6 | 63 | 2.2 | 336.3 | 6653 | 450 |
| 475 | -7.8 | 28 | 1.2 | 332.7 | 6242 | -9.8 | 38 | 1.4 | 331.0 | 6246 | -10.0 | M | M | M | 6249 | -9.4 | 50 | 2.0 | 333.2 | 6236 | 475 |
| 500 | -5.3 | 20 | 1.0 | 330.2 | 5841 | -7.2 | 49 | 2.2 | 331.7 | 5848 | -7.3 | M | M | M | 5852 | -7.8 | 70 | 3.0 | 333.4 | 5839 | 500 |
| 525 | -2.9 | 29 | 1.7 | 330.8 | 5456 | -4.2 | 38 | 2.0 | 330.2 | 5466 | -4.8 | M | M | M | 5470 | -5.3 | 75 | 3.7 | 334.1 | 5457 | 525 |
| 550 | -.8 | 34 | 2.2 | 330.7 | 5086 | -2.0 | 53 | 3.2 | 332.1 | 5097 | -2.9 | M | M | M | 5103 | -2.9 | 80 | 4.5 | 335.1 | 5089 | 550 |
| 575 | .8 | 48 | 3.4 | 332.1 | 4730 | .6 | 36 | 2.5 | 329.0 | 4742 | -1.0 | M | M | M | 4750 | -1.0 | 85 | 5.2 | 335.5 | 4735 | 575 |
| 600 | 2.8 | 41 | 3.2 | 329.9 | 4387 | 2.6 | 30 | 2.3 | 327.0 | 4399 | -1.9 | M | M | M | 4411 | 1.5 | 79 | 5.6 | 335.7 | 4393 | 600 |
| 625 | 4.7 | 44 | 3.7 | 330.0 | 4055 | 4.5 | 28 | 2.4 | 325.5 | 4068 | 3.8 | M | M | M | 4081 | 3.7 | 77 | 6.2 | 336.1 | 4062 | 625 |
| 650 | 6.5 | 38 | 3.6 | 327.8 | 3734 | 6.2 | 26 | 2.4 | 324.0 | 3748 | 6.3 | M | M | M | 3761 | 5.3 | 83 | 7.1 | 337.0 | 3742 | 650 |
| 675 | 8.3 | 33 | 3.3 | 325.6 | 3424 | 7.9 | 24 | 2.4 | 322.5 | 3438 | 8.8 | M | M | M | 3450 | 6.7 | 89 | 8.1 | 338.1 | 3432 | 675 |
| 700 | 9.9 | 27 | 3.0 | 323.2 | 3122 | 9.5 | 23 | 2.4 | 320.9 | 3137 | 8.7 | M | M | M | 3149 | 8.1 | 94 | 9.2 | 339.3 | 3132 | 700 |
| 725 | 11.4 | 32 | 3.7 | 323.9 | 2830 | 11.1 | 21 | 2.4 | 319.4 | 2845 | 11.5 | M | M | M | 2858 | 9.8 | 93 | 9.8 | 339.7 | 2840 | 725 |
| 750 | 12.2 | 62 | 7.4 | 332.3 | 2546 | 11.1 | 56 | 6.1 | 327.3 | 2562 | 13.2 | M | M | M | 2575 | 11.9 | 80 | 9.4 | 337.7 | 2557 | 750 |
| 775 | 13.0 | 74 | 9.0 | 334.8 | 2270 | 11.8 | 78 | 8.8 | 332.7 | 2288 | 14.6 | M | M | M | 2299 | 13.9 | 68 | 8.8 | 335.2 | 2281 | 775 |
| 800 | 14.3 | 64 | 8.2 | 330.8 | 2002 | 13.5 | 81 | 9.8 | 334.5 | 2020 | 15.8 | M | M | M | 2030 | 14.7 | 69 | 9.0 | 333.8 | 2012 | 800 |
| 825 | 15.8 | 66 | 9.1 | 332.2 | 1741 | 15.1 | 83 | 10.9 | 336.5 | 1760 | 17.1 | M | M | M | 1768 | 16.4 | 67 | 9.5 | 334.3 | 1750 | 825 |
| 850 | 17.3 | 69 | 10.1 | 333.9 | 1487 | 16.6 | 86 | 12.1 | 338.7 | 1505 | 18.3 | M | M | M | 1512 | 18.1 | 65 | 10.0 | 334.8 | 1495 | 850 |
| 875 | 18.7 | 69 | 10.8 | 334.7 | 1238 | 18.1 | 88 | 13.3 | 341.0 | 1257 | 19.5 | M | M | M | 1263 | 19.8 | 63 | 10.5 | 335.3 | 1245 | 875 |
| 900 | 20.1 | 69 | 11.4 | 335.4 | 995 | 19.6 | 91 | 14.6 | 343.5 | 1014 | 20.7 | M | M | M | 1019 | 21.4 | 61 | 11.0 | 335.8 | 1001 | 900 |
| 925 | 20.8 | 81 | 13.7 | 339.9 | 757 | 21.0 | 93 | 15.9 | 346.2 | 776 | 21.8 | M | M | M | 781 | 23.0 | 59 | 11.4 | 336.2 | 763 | 925 |
| 950 | 23.0 | 82 | 15.4 | 344.5 | 525 | 23.0 | 88 | 16.6 | 347.6 | 543 | 22.9 | M | M | M | 548 | 24.2 | 61 | 12.2 | 337.3 | 529 | 950 |
| 975 | 25.5 | 79 | 16.9 | 349.2 | 297 | 24.9 | 83 | 17.1 | 348.8 | 315 | 23.9 | M | M | M | 320 | 23.0 | 84 | 15.5 | 342.1 | 302 | 975 |
| 1000 | 27.9 | 77 | 18.5 | 354.1 | 72 | 26.7 | 78 | 17.5 | 349.8 | 91 | 25.4 | 96 | 19.8 | 354.3 | 97 | 25.2 | 84 | 17.3 | 347.1 | 79 | 1000 |
| SFC. | 28.7 | 76 | 19.0 | 355.7 | 0 | 27.5 | 76 | 17.7 | 350.1 | 0 | 26.2 | 96 | 20.8 | 356.7 | 0 | 26.0 | 84 | 17.9 | 348.9 | 0 | SFC. |
| | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1010.3 | | | | | SURFACE PRESSURE 1011.0 | | | | | SURFACE PRESSURE 1009.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 3/19 18 5 GMT | | | | | 3/19 2320 GMT | | | | | 3/20 625 GMT | | | | | 3/20 1115 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.1 | 0 | 0.0 | 467.4 | 19535 | -66.2 | 0 | 0.0 | 462.7 | 19475 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.7 | 0 | 0.0 | 430.9 | 18618 | -69.0 | 0 | 0.0 | 436.8 | 18542 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.6 | 24 | .0 | 421.3 | 17824 | -70.9 | 46 | .0 | 416.6 | 17751 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.0 | 25 | .0 | 392.5 | 17132 | -76.5 | 46 | .0 | 391.6 | 17064 | -77.9 | 40 | .0 | 388.7 | 17015 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.7 | 25 | .0 | 377.6 | 16527 | -81.1 | 46 | .0 | 371.1 | 16466 | -80.4 | 41 | .0 | 372.4 | 16419 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.5 | 25 | .0 | 369.7 | 15980 | -78.0 | 46 | .0 | 367.0 | 15926 | -77.7 | 41 | .0 | 367.4 | 15877 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.4 | 25 | .0 | 362.7 | 15478 | -76.0 | 46 | .0 | 361.5 | 15425 | -78.2 | 41 | .0 | 357.4 | 15380 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.9 | 25 | .0 | 358.9 | 15011 | -74.2 | 46 | .0 | 356.6 | 14962 | -74.9 | 41 | .0 | 355.4 | 14920 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 25 | .0 | 355.7 | 14574 | -71.2 | 47 | .0 | 354.4 | 14527 | -71.8 | 41 | .0 | 353.4 | 14486 | 140 |
| 150 | -68.8 | 18 | .0 | 351.5 | 14126 | -67.7 | 25 | .0 | 353.5 | 14162 | -68.4 | 47 | .0 | 352.3 | 14116 | -68.9 | 41 | .0 | 351.5 | 14076 | 150 |
| 160 | -64.6 | 18 | .0 | 352.3 | 13736 | -65.1 | 25 | .0 | 351.4 | 13771 | -65.8 | 48 | .0 | 350.3 | 13726 | -66.2 | 41 | .0 | 349.6 | 13688 | 160 |
| 170 | -61.9 | 18 | .0 | 350.7 | 13363 | -62.7 | 25 | .0 | 349.4 | 13400 | -64.7 | 49 | .0 | 346.1 | 13357 | -64.9 | 43 | .0 | 345.7 | 13319 | 170 |
| 180 | -60.4 | 18 | .0 | 347.4 | 13008 | -60.0 | 25 | .0 | 348.1 | 13045 | -62.6 | 50 | .0 | 344.0 | 13006 | -63.2 | 45 | .0 | 343.0 | 12969 | 180 |
| 190 | -57.5 | 18 | .0 | 346.8 | 12670 | -57.0 | 25 | .0 | 347.6 | 12706 | -60.3 | 50 | .0 | 342.5 | 12671 | -60.1 | 46 | .0 | 342.7 | 12635 | 190 |
| 200 | -53.7 | 17 | .0 | 347.8 | 12343 | -54.2 | 25 | .0 | 347.2 | 12379 | -57.3 | 51 | .0 | 342.3 | 12349 | -57.2 | 48 | .0 | 342.3 | 12312 | 200 |
| 225 | -48.0 | 17 | .0 | 345.1 | 11574 | -47.6 | 24 | .1 | 345.8 | 11612 | -50.2 | 53 | .1 | 341.9 | 11592 | -50.6 | 51 | .1 | 341.3 | 11556 | 225 |
| 250 | -42.9 | 17 | .1 | 342.5 | 10872 | -41.7 | 24 | .1 | 344.5 | 10907 | -43.9 | 54 | .2 | 341.6 | 10894 | -44.7 | 49 | .1 | 340.3 | 10860 | 250 |
| 275 | -37.4 | 17 | .1 | 341.4 | 10222 | -36.4 | 29 | .2 | 343.2 | 10254 | -38.1 | 55 | .3 | 341.2 | 10246 | -39.3 | 46 | .2 | 339.2 | 10215 | 275 |
| 300 | -32.5 | 17 | .1 | 340.2 | 9615 | -31.6 | 33 | .3 | 342.1 | 9644 | -33.3 | 65 | .5 | 340.4 | 9641 | -34.3 | 42 | .3 | 338.2 | 9613 | 300 |
| 325 | -28.8 | 30 | .3 | 338.4 | 9046 | -26.8 | 38 | .5 | 341.6 | 9072 | -29.0 | 77 | .8 | 339.8 | 9074 | -29.6 | 37 | .4 | 337.3 | 9047 | 325 |
| 350 | -25.5 | 45 | .6 | 336.7 | 8512 | -22.5 | 44 | .8 | 341.4 | 8533 | -25.1 | 88 | 1.3 | 339.6 | 8539 | -25.3 | 32 | .4 | 336.4 | 8514 | 350 |
| 375 | -21.9 | 46 | .8 | 335.6 | 8008 | -19.2 | 52 | 1.2 | 340.5 | 8023 | -23.1 | 50 | .8 | 333.9 | 8035 | -22.6 | 74 | 1.2 | 336.1 | 8011 | 375 |
| 400 | -18.4 | 43 | 1.0 | 334.6 | 7530 | -16.0 | 59 | 1.6 | 340.0 | 7539 | -18.8 | 23 | .5 | 332.4 | 7559 | -18.2 | 76 | 1.7 | 337.5 | 7533 | 400 |
| 425 | -14.9 | 27 | .8 | 332.7 | 7074 | -13.5 | 66 | 2.1 | 339.1 | 7080 | -16.0 | 30 | .8 | 331.3 | 7104 | -16.8 | 62 | 1.5 | 332.6 | 7078 | 425 |
| 450 | -12.6 | 44 | 1.4 | 332.5 | 6640 | -11.1 | 73 | 2.7 | 338.4 | 6643 | -12.3 | 21 | .7 | 330.2 | 6671 | -13.6 | 50 | 1.5 | 331.3 | 6646 | 450 |
| 475 | -9.8 | 47 | 1.8 | 332.0 | 6225 | -8.9 | 75 | 3.1 | 337.4 | 6225 | -9.2 | 24 | 1.0 | 330.1 | 6255 | -10.7 | 44 | 1.6 | 330.1 | 6233 | 475 |
| 500 | -6.6 | 36 | 1.7 | 330.8 | 5826 | -6.8 | 67 | 3.1 | 335.1 | 5826 | -6.5 | 37 | 1.7 | 331.2 | 5856 | -8.2 | 42 | 1.7 | 329.0 | 5836 | 500 |
| 525 | -4.2 | 39 | 2.1 | 330.6 | 5443 | -5.3 | 73 | 3.6 | 334.0 | 5444 | -4.3 | 57 | 3.0 | 333.3 | 5473 | -5.9 | 54 | 2.5 | 329.8 | 5456 | 525 |
| 550 | -2.0 | 45 | 2.7 | 330.9 | 5075 | -3.8 | 78 | 4.1 | 333.0 | 5077 | -2.9 | 79 | 4.4 | 335.0 | 5105 | -4.2 | 68 | 3.5 | 330.4 | 5089 | 550 |
| 575 | -.1 | 53 | 3.5 | 331.3 | 4720 | -.7 | 81 | 5.1 | 335.7 | 4723 | -.6 | 76 | 4.9 | 335.0 | 4751 | -.3 | 88 | 5.7 | 337.9 | 4735 | 575 |
| 600 | 1.8 | 59 | 4.3 | 332.0 | 4378 | .6 | 82 | 5.4 | 334.0 | 4382 | 1.7 | 64 | 4.6 | 333.0 | 4409 | .9 | 87 | 5.9 | 335.8 | 4393 | 600 |
| 625 | 2.7 | 67 | 5.0 | 331.3 | 4048 | 2.7 | 95 | 7.1 | 337.7 | 4053 | 3.8 | 51 | 4.1 | 329.9 | 4078 | 3.1 | 86 | 6.6 | 336.6 | 4063 | 625 |
| 650 | 4.8 | 60 | 5.0 | 330.1 | 3729 | 4.7 | 99 | 8.2 | 339.4 | 3733 | 6.0 | 39 | 3.5 | 327.2 | 3758 | 4.9 | 87 | 7.3 | 336.9 | 3744 | 650 |
| 675 | 6.6 | 60 | 5.4 | 330.0 | 3419 | 6.4 | 99 | 8.9 | 339.8 | 3423 | 8.2 | 31 | 3.1 | 325.0 | 3448 | 6.6 | 88 | 8.0 | 337.4 | 3434 | 675 |
| 700 | 7.6 | 56 | 5.2 | 327.2 | 3120 | 7.2 | 81 | 7.4 | 333.0 | 3124 | 9.3 | 54 | 5.7 | 330.7 | 3146 | 7.9 | 90 | 8.6 | 337.3 | 3134 | 700 |
| 725 | 8.2 | 40 | 3.8 | 320.2 | 2830 | 9.2 | 98 | 9.9 | 339.1 | 2833 | 10.4 | 59 | 6.4 | 330.7 | 2855 | 9.0 | 93 | 9.3 | 337.3 | 2843 | 725 |
| 750 | 8.2 | 47 | 4.3 | 318.7 | 2550 | 10.8 | 88 | 9.6 | 336.8 | 2551 | 12.1 | 62 | 7.3 | 331.9 | 2571 | 10.2 | 95 | 10.0 | 337.2 | 2560 | 750 |
| 775 | 9.7 | 73 | 7.1 | 325.4 | 2278 | 12.4 | 73 | 8.5 | 332.5 | 2276 | 13.1 | 88 | 10.9 | 340.2 | 2295 | 11.3 | 98 | 10.7 | 337.3 | 2286 | 775 |
| 800 | 13.0 | 94 | 11.1 | 337.5 | 2011 | 14.3 | 79 | 10.1 | 336.4 | 2008 | 13.8 | 97 | 12.1 | 341.4 | 2027 | 12.6 | 99 | 11.4 | 337.7 | 2019 | 800 |
| 825 | 14.8 | 88 | 11.3 | 337.1 | 1751 | 15.7 | 81 | 11.1 | 337.7 | 1746 | 14.6 | 94 | 12.0 | 338.8 | 1766 | 13.4 | 83 | 9.7 | 331.1 | 1760 | 825 |
| 850 | 16.3 | 84 | 11.6 | 337.0 | 1497 | 16.8 | 84 | 12.1 | 338.9 | 1492 | 16.3 | 93 | 12.9 | 340.6 | 1512 | 15.2 | 86 | 11.0 | 333.9 | 1507 | 850 |
| 875 | 17.5 | 87 | 12.6 | 338.3 | 1249 | 17.9 | 88 | 13.1 | 340.2 | 1243 | 18.0 | 93 | 13.9 | 342.5 | 1263 | 17.0 | 89 | 12.5 | 337.4 | 1260 | 875 |
| 900 | 18.6 | 90 | 13.6 | 339.7 | 1007 | 19.0 | 91 | 14.1 | 341.6 | 1000 | 19.6 | 92 | 14.9 | 344.5 | 1020 | 18.7 | 93 | 14.2 | 341.3 | 1017 | 900 |
| 925 | 19.8 | 93 | 14.7 | 341.3 | 770 | 20.9 | 88 | 14.9 | 343.2 | 763 | 21.2 | 92 | 15.9 | 346.5 | 782 | 20.4 | 96 | 16.0 | 345.5 | 780 | 925 |
| 950 | 21.7 | 92 | 16.0 | 344.5 | 539 | 22.7 | 85 | 15.7 | 344.8 | 531 | 22.8 | 91 | 17.0 | 348.6 | 550 | 22.1 | 97 | 17.4 | 348.9 | 548 | 950 |
| 975 | 23.6 | 91 | 17.3 | 347.8 | 311 | 24.4 | 82 | 16.4 | 346.3 | 303 | 24.3 | 91 | 18.1 | 350.8 | 321 | 23.7 | 91 | 17.4 | 348.2 | 321 | 975 |
| 1000 | 25.5 | 89 | 18.7 | 351.3 | 88 | 26.1 | 79 | 17.1 | 347.7 | 79 | 25.8 | 90 | 19.2 | 353.0 | 98 | 25.3 | 84 | 17.3 | 347.3 | 98 | 1000 |
| SFC. | 26.2 | 89 | 19.2 | 352.7 | 0 | 26.7 | 78 | 17.3 | 348.2 | 0 | 26.4 | 90 | 19.7 | 354.0 | 0 | 26.0 | 81 | 17.2 | 346.8 | 0 | SFC. |
| | SURFACE PRESSURE 1010.0 | | | | | SURFACE PRESSURE 1009.0 | | | | | SURFACE PRESSURE 1011.1 | | | | | SURFACE PRESSURE 1011.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/20 1447 GMT T | RH | W | EPT | H | 3/20 1755 GMT T | RH | W | EPT | H | 3/20 21 0 GMT T | RH | W | EPT | H | 3/20 2325 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.2 | 0 | 0.0 | 467.2 | 19500 | -63.3 | 0 | 0.0 | 469.2 | 19560 | -64.5 | 0 | 0.0 | 466.5 | 19568 | -65.9 | 0 | 0.0 | 463.5 | 19500 | 60 |
| 70 | -70.7 | 40 | .0 | 433.3 | 18570 | -68.2 | 0 | 0.0 | 438.5 | 18616 | -70.2 | 0 | 0.0 | 434.3 | 18639 | -68.7 | 0 | 0.0 | 437.4 | 18564 | 70 |
| 80 | -74.1 | 40 | .0 | 409.9 | 17785 | -72.6 | 27 | .0 | 413.0 | 17826 | -73.6 | 21 | .0 | 411.0 | 17853 | -77.1 | 19 | .0 | 403.7 | 17784 | 80 |
| 90 | -78.3 | 41 | .0 | 388.0 | 17104 | -79.2 | 27 | .0 | 386.1 | 17148 | -78.9 | 22 | .0 | 386.7 | 17170 | -78.2 | 20 | .0 | 388.3 | 17109 | 90 |
| 100 | -77.7 | 41 | .0 | 377.6 | 16505 | -75.9 | 27 | .0 | 381.1 | 16544 | -76.5 | 20 | .0 | 380.0 | 16569 | -79.1 | 20 | .0 | 374.9 | 16509 | 100 |
| 110 | -76.5 | 41 | .0 | 369.7 | 15958 | -77.6 | 28 | .0 | 367.7 | 15998 | -77.7 | 21 | .0 | 367.6 | 16023 | -79.1 | 20 | .0 | 364.8 | 15969 | 110 |
| 120 | -75.5 | 40 | .0 | 362.5 | 15455 | -74.9 | 28 | .0 | 363.6 | 15497 | -74.3 | 20 | .0 | 364.6 | 15520 | -75.5 | 20 | .0 | 362.5 | 15470 | 120 |
| 130 | -73.1 | 40 | .0 | 358.6 | 14990 | -70.7 | 26 | .0 | 362.9 | 15027 | -70.9 | 20 | .0 | 362.4 | 15050 | -72.1 | 20 | .0 | 360.3 | 15003 | 130 |
| 140 | -69.5 | 40 | .0 | 357.4 | 14552 | -67.4 | 27 | .0 | 361.2 | 14584 | -67.6 | 21 | .0 | 360.8 | 14608 | -69.0 | 19 | .0 | 358.2 | 14563 | 140 |
| 150 | -66.1 | 40 | .0 | 356.3 | 14137 | -64.5 | 28 | .0 | 359.1 | 14165 | -64.4 | 22 | .0 | 359.2 | 14189 | -66.1 | 19 | .0 | 356.2 | 14148 | 150 |
| 160 | -63.1 | 40 | .0 | 355.0 | 13743 | -61.8 | 28 | .0 | 357.1 | 13768 | -61.5 | 22 | .0 | 357.6 | 13792 | -63.4 | 19 | .0 | 354.3 | 13754 | 160 |
| 170 | -60.5 | 43 | .0 | 353.2 | 13368 | -59.3 | 29 | .0 | 355.2 | 13391 | -58.7 | 23 | .0 | 356.0 | 13414 | -59.9 | 19 | .0 | 354.0 | 13379 | 170 |
| 180 | -58.0 | 44 | .0 | 351.5 | 13010 | -56.9 | 30 | .0 | 353.3 | 13031 | -57.5 | 22 | .0 | 352.3 | 13054 | -57.5 | 20 | .0 | 352.3 | 13020 | 180 |
| 190 | -55.7 | 46 | .0 | 349.9 | 12667 | -54.6 | 31 | .0 | 351.6 | 12686 | -56.7 | 21 | .0 | 348.2 | 12712 | -56.7 | 22 | .0 | 348.2 | 12677 | 190 |
| 200 | -53.5 | 48 | .1 | 348.4 | 12339 | -52.5 | 31 | .0 | 349.9 | 12357 | -54.9 | 22 | .0 | 345.9 | 12386 | -55.9 | 24 | .0 | 344.4 | 12352 | 200 |
| 225 | -48.4 | 52 | .1 | 344.8 | 11572 | -47.6 | 33 | .1 | 346.0 | 11587 | -48.6 | 24 | .0 | 344.3 | 11622 | -49.8 | 23 | .0 | 342.4 | 11592 | 225 |
| 250 | -43.4 | 52 | .2 | 342.3 | 10871 | -43.2 | 35 | .1 | 342.4 | 10884 | -42.9 | 27 | .1 | 342.7 | 10920 | -44.3 | 23 | .1 | 340.5 | 10894 | 250 |
| 275 | -38.2 | 47 | .2 | 340.8 | 10223 | -38.6 | 41 | .2 | 340.1 | 10236 | -37.7 | 29 | .2 | 341.2 | 10270 | -38.6 | 24 | .1 | 339.8 | 10248 | 275 |
| 300 | -33.6 | 59 | .4 | 339.7 | 9618 | -33.5 | 42 | .3 | 339.4 | 9632 | -33.0 | 30 | .2 | 339.8 | 9664 | -33.5 | 25 | .2 | 339.0 | 9643 | 300 |
| 325 | -29.2 | 56 | .6 | 338.7 | 9052 | -28.8 | 43 | .5 | 338.8 | 9065 | -28.7 | 31 | .3 | 338.5 | 9096 | -29.0 | 32 | .3 | 338.0 | 9076 | 325 |
| 350 | -25.1 | 51 | .7 | 337.7 | 8518 | -25.4 | 50 | .7 | 337.1 | 8531 | -24.7 | 32 | .5 | 337.3 | 8561 | -25.0 | 39 | .6 | 337.3 | 8542 | 350 |
| 375 | -21.4 | 56 | 1.0 | 337.1 | 8012 | -22.0 | 60 | 1.1 | 336.3 | 8027 | -21.2 | 38 | .7 | 336.3 | 8055 | -21.2 | 45 | .9 | 336.8 | 8036 | 375 |
| 400 | -18.4 | 99 | 2.2 | 338.8 | 7533 | -18.4 | 57 | 1.3 | 335.7 | 7548 | -18.2 | 50 | 1.1 | 335.5 | 7576 | -17.6 | 51 | 1.2 | 336.5 | 7556 | 400 |
| 425 | -15.5 | 90 | 2.4 | 337.4 | 7078 | -14.3 | 49 | 1.5 | 335.9 | 7092 | -13.0 | 45 | 1.5 | 337.6 | 7119 | -14.9 | 43 | 1.2 | 334.2 | 7100 | 425 |
| 450 | -12.8 | 81 | 2.6 | 335.9 | 6644 | -11.8 | 56 | 1.9 | 335.1 | 6656 | -11.4 | 51 | 1.8 | 335.3 | 6681 | -12.3 | 35 | 1.2 | 332.0 | 6665 | 450 |
| 475 | -10.7 | 44 | 1.6 | 330.2 | 6230 | -10.0 | 37 | 1.4 | 330.6 | 6240 | -8.9 | 36 | 1.5 | 332.0 | 6264 | -8.7 | 28 | 1.2 | 331.3 | 6249 | 475 |
| 500 | -7.4 | 42 | 1.8 | 330.2 | 5833 | -6.6 | 32 | 1.5 | 330.2 | 5842 | -6.2 | 26 | 1.3 | 330.0 | 5865 | -5.4 | 21 | 1.1 | 330.3 | 5849 | 500 |
| 525 | -5.0 | 60 | 3.0 | 332.6 | 5451 | -3.6 | 31 | 1.7 | 330.0 | 5459 | -3.3 | 22 | 1.3 | 328.9 | 5481 | -3.2 | 18 | 1.0 | 328.2 | 5465 | 525 |
| 550 | -2.5 | 15 | .9 | 324.2 | 5084 | -1.9 | 40 | 2.4 | 330.0 | 5090 | -1.4 | 34 | 2.1 | 329.7 | 5112 | -1.7 | 19 | 1.1 | 326.1 | 5096 | 550 |
| 575 | -.4 | 12 | .8 | 322.4 | 4730 | .2 | 19 | 1.3 | 324.8 | 4735 | 1.4 | 19 | 1.4 | 326.3 | 4756 | -.4 | 22 | 1.4 | 324.3 | 4741 | 575 |
| 600 | 1.0 | 60 | 4.1 | 330.5 | 4388 | 2.2 | 31 | 2.3 | 326.4 | 4393 | 3.0 | 23 | 1.8 | 325.8 | 4412 | 1.6 | 22 | 1.6 | 323.4 | 4400 | 600 |
| 625 | 3.0 | 60 | 4.6 | 330.3 | 4058 | 4.1 | 43 | 3.5 | 328.4 | 4062 | 4.7 | 27 | 2.3 | 325.6 | 4081 | 4.5 | 33 | 2.7 | 326.7 | 4069 | 625 |
| 650 | 5.2 | 57 | 4.9 | 330.3 | 3739 | 5.5 | 64 | 5.6 | 332.7 | 3742 | 6.5 | 36 | 3.3 | 327.0 | 3760 | 7.6 | 43 | 4.3 | 331.5 | 3748 | 650 |
| 675 | 7.4 | 63 | 6.0 | 332.7 | 3429 | 7.0 | 70 | 6.6 | 333.8 | 3432 | 8.2 | 43 | 4.4 | 328.8 | 3449 | 8.9 | 47 | 5.0 | 331.5 | 3436 | 675 |
| 700 | 9.3 | 66 | 6.9 | 334.2 | 3128 | 8.4 | 77 | 7.6 | 335.0 | 3131 | 9.8 | 46 | 5.0 | 329.1 | 3148 | 10.2 | 51 | 5.7 | 331.6 | 3134 | 700 |
| 725 | 11.1 | 47 | 5.4 | 328.5 | 2836 | 9.0 | 80 | 8.0 | 333.4 | 2840 | 11.3 | 41 | 4.8 | 326.9 | 2855 | 11.5 | 54 | 6.4 | 331.8 | 2841 | 725 |
| 750 | 12.4 | 36 | 4.4 | 323.9 | 2552 | 11.9 | 42 | 4.8 | 324.5 | 2558 | 12.8 | 36 | 4.5 | 324.6 | 2571 | 12.7 | 58 | 7.1 | 332.1 | 2556 | 750 |
| 775 | 13.5 | 49 | 6.2 | 327.2 | 2277 | 14.0 | 29 | 3.7 | 320.6 | 2282 | 14.2 | 32 | 4.2 | 322.2 | 2295 | 14.7 | 25 | 3.4 | 320.6 | 2280 | 775 |
| 800 | 15.2 | 50 | 6.8 | 327.9 | 2008 | 15.2 | 44 | 5.9 | 325.5 | 2014 | 15.5 | 34 | 4.7 | 322.2 | 2027 | 15.6 | 33 | 4.6 | 322.0 | 2011 | 800 |
| 825 | 15.8 | 72 | 9.9 | 334.5 | 1747 | 15.2 | 75 | 9.9 | 333.8 | 1753 | 16.7 | 41 | 5.9 | 324.3 | 1765 | 16.4 | 42 | 5.9 | 324.0 | 1750 | 825 |
| 850 | 16.5 | 86 | 12.0 | 338.4 | 1492 | 16.5 | 76 | 10.6 | 334.4 | 1498 | 17.9 | 48 | 7.2 | 326.5 | 1510 | 17.3 | 50 | 7.3 | 326.1 | 1495 | 850 |
| 875 | 17.8 | 84 | 12.3 | 337.8 | 1244 | 17.9 | 79 | 11.8 | 336.5 | 1250 | 19.0 | 54 | 8.6 | 328.9 | 1262 | 18.0 | 59 | 8.7 | 328.2 | 1247 | 875 |
| 900 | 19.2 | 82 | 12.8 | 338.1 | 1002 | 19.3 | 82 | 12.9 | 338.6 | 1008 | 20.1 | 60 | 10.0 | 331.4 | 1019 | 18.8 | 67 | 10.2 | 330.4 | 1005 | 900 |
| 925 | 21.1 | 80 | 13.8 | 340.3 | 764 | 20.7 | 84 | 14.2 | 341.0 | 771 | 21.2 | 66 | 11.5 | 334.1 | 781 | 20.6 | 67 | 11.2 | 332.5 | 769 | 925 |
| 950 | 22.9 | 79 | 14.8 | 342.6 | 532 | 22.0 | 87 | 15.5 | 343.4 | 538 | 22.6 | 70 | 12.8 | 337.0 | 549 | 22.7 | 65 | 12.0 | 334.7 | 537 | 950 |
| 975 | 24.7 | 78 | 15.8 | 345.0 | 304 | 24.0 | 80 | 15.6 | 343.5 | 311 | 25.1 | 66 | 13.6 | 339.7 | 322 | 24.8 | 63 | 12.8 | 336.9 | 309 | 975 |
| 1000 | 26.4 | 76 | 16.8 | 347.3 | 80 | 25.9 | 73 | 15.5 | 343.0 | 88 | 27.7 | 69 | 16.3 | 347.9 | 98 | 28.5 | 65 | 16.0 | 347.8 | 85 | 1000 |
| SFC. | 27.0 | 76 | 17.2 | 348.2 | 0 | 26.6 | 70 | 15.4 | 342.7 | 0 | 29.0 | 75 | 19.0 | 355.9 | 0 | 30.2 | 66 | 18.0 | 354.6 | 0 | SFC. |
| | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1010.0 | | | | | SURFACE PRESSURE 1011.0 | | | | | SURFACE PRESSURE 1009.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/21 235 GMT T | RH | W | EPT | H | 3/21 6 0 GMT T | RH | W | EPT | H | 3/21 855 GMT T | RH | W | EPT | H | 3/21 1210 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.6 | 0 | 0.0 | 466.3 | 19491 | -67.3 | 0 | 0.0 | 460.3 | 19467 | -67.6 | 0 | 0.0 | 459.6 | 19471 | -66.5 | 0 | 0.0 | 462.1 | 19502 | 60 |
| 70 | -66.9 | 0 | 0.0 | 441.3 | 18549 | -69.9 | 32 | .0 | 434.9 | 18539 | -68.8 | 0 | 0.0 | 437.2 | 18546 | -68.3 | 0 | 0.0 | 438.3 | 18568 | 70 |
| 80 | -76.3 | 27 | .0 | 405.4 | 17765 | -78.3 | 33 | .0 | 401.3 | 17756 | -75.7 | 31 | .0 | 406.6 | 17760 | -76.7 | 27 | .0 | 404.6 | 17782 | 80 |
| 90 | -76.4 | 27 | .0 | 391.8 | 17086 | -78.5 | 32 | .0 | 387.7 | 17084 | -78.6 | 31 | .0 | 387.4 | 17089 | -77.5 | 26 | .0 | 389.6 | 17105 | 90 |
| 100 | -76.5 | 27 | .0 | 380.0 | 16479 | -78.6 | 32 | .0 | 375.9 | 16484 | -76.8 | 31 | .0 | 379.4 | 16485 | -78.2 | 26 | .0 | 376.7 | 16503 | 100 |
| 110 | -79.0 | 28 | .0 | 365.0 | 15937 | -78.9 | 34 | .0 | 365.2 | 15942 | -77.0 | 31 | .0 | 368.8 | 15939 | -78.5 | 26 | .0 | 366.0 | 15959 | 110 |
| 120 | -75.8 | 28 | .0 | 362.0 | 15438 | -76.1 | 33 | .0 | 361.3 | 15444 | -74.7 | 31 | .0 | 363.9 | 15436 | -75.4 | 26 | .0 | 362.7 | 15459 | 120 |
| 130 | -72.8 | 27 | .0 | 359.1 | 14972 | -73.6 | 33 | .0 | 357.7 | 14979 | -72.7 | 30 | .0 | 359.3 | 14969 | -72.5 | 26 | .0 | 359.7 | 14992 | 130 |
| 140 | -70.1 | 27 | .0 | 356.4 | 14534 | -71.2 | 32 | .0 | 354.4 | 14543 | -70.8 | 30 | .0 | 355.1 | 14531 | -69.8 | 26 | .0 | 356.9 | 14554 | 140 |
| 150 | -67.5 | 27 | .0 | 353.9 | 14121 | -68.3 | 32 | .0 | 352.5 | 14133 | -67.8 | 30 | .0 | 353.4 | 14120 | -67.3 | 26 | .0 | 354.2 | 14140 | 150 |
| 160 | -64.2 | 28 | .0 | 352.9 | 13730 | -64.8 | 31 | .0 | 351.9 | 13742 | -64.9 | 30 | .0 | 351.8 | 13729 | -65.0 | 26 | .0 | 351.6 | 13749 | 160 |
| 170 | -61.2 | 29 | .0 | 352.0 | 13356 | -62.0 | 32 | .0 | 350.7 | 13370 | -62.1 | 30 | .0 | 350.4 | 13357 | -61.6 | 26 | .0 | 351.3 | 13376 | 170 |
| 180 | -58.3 | 30 | .0 | 351.0 | 12999 | -59.6 | 35 | .0 | 348.9 | 13014 | -59.5 | 30 | .0 | 348.9 | 13001 | -58.4 | 25 | .0 | 350.9 | 13020 | 180 |
| 190 | -57.7 | 31 | .0 | 346.6 | 12658 | -57.3 | 37 | .0 | 347.2 | 12674 | -57.1 | 30 | .0 | 347.5 | 12661 | -55.8 | 25 | .0 | 349.7 | 12677 | 190 |
| 200 | -57.3 | 32 | .0 | 342.2 | 12334 | -55.2 | 40 | .0 | 345.5 | 12349 | -54.8 | 30 | .0 | 346.2 | 12335 | -54.0 | 24 | .0 | 347.3 | 12349 | 200 |
| 225 | -50.3 | 35 | .1 | 341.7 | 11577 | -50.7 | 59 | .1 | 341.2 | 11590 | -49.3 | 30 | .1 | 343.2 | 11572 | -49.0 | 24 | .0 | 343.6 | 11586 | 225 |
| 250 | -44.0 | 38 | .1 | 341.2 | 10880 | -44.8 | 58 | .2 | 340.1 | 10894 | -44.3 | 29 | .1 | 340.6 | 10874 | -43.9 | 23 | .1 | 341.1 | 10886 | 250 |
| 275 | -38.3 | 40 | .2 | 340.6 | 10232 | -39.2 | 52 | .2 | 339.4 | 10249 | -39.8 | 29 | .1 | 338.1 | 10229 | -39.0 | 23 | .1 | 339.2 | 10240 | 275 |
| 300 | -33.1 | 42 | .3 | 340.0 | 9627 | -34.1 | 52 | .4 | 338.8 | 9647 | -35.5 | 51 | .3 | 336.7 | 9628 | -33.8 | 25 | .2 | 338.5 | 9636 | 300 |
| 325 | -28.5 | 40 | .4 | 339.1 | 9059 | -29.2 | 63 | .7 | 339.0 | 9081 | -31.1 | 93 | .8 | 336.9 | 9066 | -30.7 | 54 | .5 | 336.2 | 9071 | 325 |
| 350 | -24.7 | 53 | .8 | 338.5 | 8524 | -25.9 | 74 | 1.0 | 337.4 | 8547 | -26.5 | 84 | 1.0 | 336.8 | 8536 | -26.0 | 45 | .6 | 335.9 | 8539 | 350 |
| 375 | -20.9 | 51 | 1.0 | 337.6 | 8017 | -21.8 | 66 | 1.2 | 337.0 | 8043 | -22.8 | 75 | 1.2 | 335.8 | 8033 | -22.0 | 47 | .8 | 335.5 | 8035 | 375 |
| 400 | -17.8 | 55 | 1.3 | 336.5 | 7537 | -18.2 | 78 | 1.8 | 337.6 | 7564 | -19.3 | 96 | 2.0 | 336.9 | 7556 | -19.3 | 82 | 1.7 | 335.9 | 7558 | 400 |
| 425 | -14.6 | 31 | .9 | 333.6 | 7081 | -15.2 | 93 | 2.6 | 338.3 | 7108 | -16.3 | 85 | 2.1 | 335.4 | 7102 | -16.0 | 90 | 2.3 | 336.4 | 7104 | 425 |
| 450 | -11.5 | 25 | .9 | 332.0 | 6645 | -12.3 | 20 | .7 | 330.2 | 6674 | -13.2 | 60 | 1.8 | 333.0 | 6670 | -13.3 | 38 | 1.2 | 330.6 | 6671 | 450 |
| 475 | -9.4 | 18 | .7 | 328.9 | 6229 | -9.4 | 20 | .8 | 329.2 | 6259 | -10.2 | 44 | 1.6 | 330.9 | 6255 | -10.3 | 36 | 1.3 | 329.8 | 6257 | 475 |
| 500 | -6.5 | 15 | .7 | 327.7 | 5831 | -6.7 | 20 | .9 | 328.2 | 5860 | -7.3 | 33 | 1.4 | 329.1 | 5858 | -7.2 | 20 | .9 | 327.5 | 5859 | 500 |
| 525 | -3.9 | 15 | .8 | 326.8 | 5448 | -4.1 | 20 | 1.1 | 327.4 | 5477 | -4.8 | 22 | 1.1 | 326.7 | 5476 | -4.3 | 19 | 1.0 | 326.8 | 5477 | 525 |
| 550 | -1.4 | 16 | 1.0 | 325.9 | 5079 | -1.6 | 21 | 1.3 | 326.6 | 5109 | -2.3 | 19 | 1.1 | 325.4 | 5108 | -1.6 | 24 | 1.5 | 327.4 | 5109 | 550 |
| 575 | 1.0 | 16 | 1.1 | 325.2 | 4724 | .8 | 21 | 1.4 | 325.9 | 4753 | .1 | 20 | 1.3 | 324.8 | 4754 | 1.0 | 30 | 2.1 | 328.3 | 4753 | 575 |
| 600 | 3.3 | 16 | 1.3 | 324.5 | 4380 | 3.1 | 21 | 1.6 | 325.3 | 4410 | 2.5 | 21 | 1.6 | 324.4 | 4411 | 2.1 | 23 | 1.7 | 324.3 | 4410 | 600 |
| 625 | 5.5 | 17 | 1.5 | 323.9 | 4048 | 5.2 | 21 | 1.8 | 324.7 | 4078 | 4.7 | 21 | 1.8 | 324.0 | 4080 | 4.5 | 20 | 1.7 | 323.5 | 4079 | 625 |
| 650 | 7.5 | 21 | 2.1 | 324.5 | 3726 | 7.3 | 21 | 2.1 | 324.2 | 3757 | 6.8 | 22 | 2.1 | 323.7 | 3759 | 6.7 | 25 | 2.4 | 324.6 | 3759 | 650 |
| 675 | 9.2 | 35 | 3.8 | 328.2 | 3415 | 8.6 | 56 | 5.8 | 333.5 | 3445 | 8.0 | 55 | 5.4 | 331.7 | 3449 | 7.9 | 47 | 4.7 | 329.4 | 3448 | 675 |
| 700 | 10.8 | 43 | 5.0 | 330.5 | 3112 | 10.7 | 50 | 5.8 | 332.4 | 3143 | 9.0 | 58 | 6.0 | 331.1 | 3148 | 9.3 | 37 | 3.9 | 325.3 | 3147 | 700 |
| 725 | 11.5 | 48 | 5.6 | 329.5 | 2819 | 11.0 | 70 | 8.0 | 336.0 | 2850 | 10.4 | 72 | 7.9 | 334.9 | 2856 | 11.3 | 72 | 8.3 | 337.3 | 2855 | 725 |
| 750 | 11.9 | 67 | 7.8 | 333.2 | 2535 | 12.4 | 77 | 9.3 | 338.1 | 2566 | 11.7 | 86 | 9.9 | 338.9 | 2572 | 12.5 | 87 | 10.7 | 342.3 | 2570 | 750 |
| 775 | 12.7 | 70 | 8.4 | 332.5 | 2260 | 14.0 | 80 | 10.4 | 340.0 | 2289 | 13.0 | 90 | 11.0 | 340.3 | 2296 | 13.9 | 89 | 11.6 | 343.0 | 2293 | 775 |
| 800 | 15.2 | 43 | 5.9 | 325.3 | 1992 | 15.6 | 83 | 11.6 | 342.1 | 2020 | 15.0 | 65 | 8.7 | 333.2 | 2028 | 15.3 | 83 | 11.3 | 341.0 | 2024 | 800 |
| 825 | 16.0 | 51 | 7.1 | 326.8 | 1731 | 17.0 | 75 | 11.1 | 339.3 | 1757 | 17.4 | 38 | 5.7 | 324.4 | 1766 | 16.6 | 76 | 11.1 | 338.8 | 1761 | 825 |
| 850 | 16.9 | 58 | 8.2 | 328.3 | 1476 | 18.3 | 66 | 10.3 | 335.8 | 1501 | 18.1 | 52 | 8.0 | 328.9 | 1510 | 18.0 | 70 | 10.7 | 336.5 | 1506 | 850 |
| 875 | 17.8 | 64 | 9.5 | 330.0 | 1228 | 18.2 | 75 | 11.3 | 335.6 | 1252 | 18.6 | 69 | 10.7 | 334.5 | 1262 | 19.2 | 66 | 10.6 | 334.8 | 1257 | 875 |
| 900 | 18.8 | 70 | 10.7 | 331.9 | 986 | 19.6 | 80 | 12.9 | 338.8 | 1010 | 20.1 | 62 | 10.2 | 332.1 | 1019 | 19.9 | 91 | 14.9 | 344.7 | 1013 | 900 |
| 925 | 20.1 | 74 | 11.8 | 333.8 | 750 | 21.0 | 85 | 14.5 | 342.2 | 772 | 20.6 | 79 | 13.2 | 338.0 | 782 | 21.5 | 91 | 16.2 | 347.6 | 775 | 925 |
| 950 | 22.3 | 68 | 12.3 | 335.2 | 518 | 22.3 | 89 | 16.2 | 345.9 | 540 | 21.4 | 92 | 15.8 | 343.5 | 550 | 23.5 | 97 | 18.8 | 354.6 | 542 | 950 |
| 975 | 24.6 | 63 | 12.6 | 336.2 | 291 | 24.4 | 85 | 17.0 | 348.1 | 312 | 24.1 | 85 | 16.8 | 346.9 | 323 | 25.4 | 88 | 18.8 | 354.1 | 313 | 975 |
| 1000 | 26.7 | 58 | 12.8 | 336.9 | 68 | 26.6 | 79 | 17.6 | 349.8 | 88 | 26.7 | 79 | 17.6 | 350.0 | 99 | 27.2 | 80 | 18.5 | 353.1 | 89 | 1000 |
| SFC. | 27.4 | 56 | 12.9 | 337.1 | 0 | 27.4 | 77 | 17.8 | 350.4 | 0 | 27.8 | 76 | 18.0 | 351.3 | 0 | 27.9 | 77 | 18.3 | 352.6 | 0 | SFC. |
| | SURFACE PRESSURE 1007.7 | | | | | SURFACE PRESSURE 1010.0 | | | | | SURFACE PRESSURE 1011.2 | | | | | SURFACE PRESSURE 1010.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 3/21 18 5 GMT | | | | | 3/22 350 GMT | | | | | 3/22 7 0 GMT | | | | | 3/22 12 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.2 | 0 | 0.0 | 465.0 | 19535 | -65.2 | 0 | 0.0 | 465.0 | 19459 | -66.5 | 0 | 0.0 | 462.1 | 19520 | -67.7 | 0 | 0.0 | 459.4 | 19487 | 60 |
| 70 | -70.6 | 0 | 0.0 | 433.4 | 18604 | -68.5 | 0 | 0.0 | 437.8 | 18527 | -68.0 | 0 | 0.0 | 438.9 | 18586 | -72.8 | 0 | 0.0 | 428.6 | 18563 | 70 |
| 80 | -75.6 | 0 | 0.0 | 406.7 | 17819 | -73.7 | 0 | 0.0 | 410.8 | 17742 | -72.6 | 18 | .0 | 413.1 | 17797 | -75.5 | 15 | .0 | 407.1 | 17788 | 80 |
| 90 | -76.3 | 17 | .0 | 392.0 | 17141 | -78.8 | 18 | .0 | 387.0 | 17060 | -76.7 | 19 | .0 | 391.2 | 17114 | -77.1 | 15 | .0 | 390.4 | 17112 | 90 |
| 100 | -75.4 | 17 | .0 | 382.1 | 16529 | -75.3 | 18 | .0 | 382.3 | 16455 | -74.9 | 20 | .0 | 383.0 | 16505 | -78.6 | 15 | .0 | 375.9 | 16505 | 100 |
| 110 | -76.8 | 17 | .0 | 369.1 | 15982 | -77.5 | 19 | .0 | 367.8 | 15906 | -77.2 | 19 | .0 | 368.5 | 15955 | -78.8 | 15 | .0 | 365.4 | 15964 | 110 |
| 120 | -74.7 | 16 | .0 | 364.0 | 15479 | -77.4 | 19 | .0 | 359.0 | 15409 | -75.7 | 18 | .0 | 362.1 | 15456 | -75.3 | 15 | .0 | 362.8 | 15464 | 120 |
| 130 | -71.2 | 16 | .0 | 361.9 | 15010 | -74.0 | 18 | .0 | 357.0 | 14946 | -72.1 | 18 | .0 | 360.3 | 14989 | -72.0 | 15 | .0 | 360.6 | 14997 | 130 |
| 140 | -68.1 | 16 | .0 | 359.9 | 14568 | -70.7 | 18 | .0 | 355.4 | 14510 | -68.8 | 19 | .0 | 358.6 | 14549 | -68.9 | 15 | .0 | 358.4 | 14557 | 140 |
| 150 | -65.1 | 16 | .0 | 358.0 | 14151 | -67.0 | 18 | .0 | 354.7 | 14097 | -65.7 | 19 | .0 | 356.9 | 14133 | -66.2 | 15 | .0 | 356.0 | 14141 | 150 |
| 160 | -63.4 | 16 | .0 | 354.3 | 13756 | -63.6 | 18 | .0 | 354.0 | 13705 | -64.8 | 19 | .0 | 352.0 | 13739 | -64.8 | 15 | .0 | 352.0 | 13749 | 160 |
| 170 | -61.2 | 16 | .0 | 351.8 | 13382 | -62.5 | 18 | .0 | 349.8 | 13331 | -62.5 | 19 | .0 | 349.7 | 13367 | -61.6 | 15 | .0 | 351.3 | 13377 | 170 |
| 180 | -59.2 | 16 | .0 | 349.5 | 13025 | -59.2 | 18 | .0 | 349.5 | 12976 | -59.8 | 18 | .0 | 348.5 | 13012 | -58.5 | 14 | .0 | 350.6 | 13020 | 180 |
| 190 | -57.3 | 16 | .0 | 347.2 | 12685 | -56.6 | 18 | .0 | 348.2 | 12635 | -57.2 | 18 | .0 | 347.3 | 12672 | -55.6 | 14 | .0 | 349.9 | 12678 | 190 |
| 200 | -54.9 | 16 | .0 | 345.9 | 12359 | -55.4 | 18 | .0 | 345.2 | 12309 | -54.7 | 18 | .0 | 346.2 | 12346 | -52.9 | 14 | .0 | 349.1 | 12349 | 200 |
| 225 | -47.6 | 15 | .0 | 345.7 | 11594 | -49.5 | 16 | .0 | 342.8 | 11547 | -48.8 | 17 | .0 | 343.8 | 11583 | -48.0 | 13 | .0 | 345.1 | 11580 | 225 |
| 250 | -42.7 | 14 | .0 | 342.9 | 10890 | -43.4 | 15 | .1 | 341.8 | 10848 | -42.5 | 16 | .1 | 343.2 | 10881 | -42.8 | 13 | .0 | 342.7 | 10878 | 250 |
| 275 | -37.3 | 14 | .1 | 341.5 | 10239 | -38.3 | 15 | .1 | 340.1 | 10199 | -38.3 | 15 | .1 | 340.1 | 10230 | -37.2 | 12 | .1 | 341.6 | 10227 | 275 |
| 300 | -35.7 | 20 | .1 | 335.6 | 9636 | -34.7 | 15 | .1 | 337.0 | 9596 | -35.0 | 16 | .1 | 336.5 | 9628 | -34.9 | 13 | .1 | 336.6 | 9623 | 300 |
| 325 | -30.4 | 18 | .2 | 335.5 | 9073 | -32.7 | 17 | .1 | 332.2 | 9035 | -31.1 | 17 | .1 | 334.4 | 9065 | -31.1 | 12 | .1 | 334.3 | 9061 | 325 |
| 350 | -25.4 | 17 | .2 | 335.4 | 8540 | -27.9 | 18 | .2 | 332.0 | 8508 | -27.5 | 17 | .2 | 332.5 | 8536 | -26.4 | 10 | .1 | 333.7 | 8530 | 350 |
| 375 | -21.9 | 24 | .4 | 334.3 | 8036 | -23.4 | 20 | .3 | 331.8 | 8008 | -23.6 | 18 | .3 | 331.4 | 8036 | -22.5 | 11 | .2 | 332.5 | 8028 | 375 |
| 400 | -19.5 | 40 | .8 | 332.6 | 7558 | -19.2 | 21 | .4 | 331.7 | 7532 | -19.1 | 18 | .4 | 331.6 | 7560 | -19.1 | 13 | .3 | 331.2 | 7551 | 400 |
| 425 | -16.1 | 50 | 1.3 | 332.9 | 7105 | -16.5 | 38 | .9 | 331.2 | 7078 | -16.7 | 42 | 1.0 | 331.3 | 7107 | -16.3 | 34 | .9 | 331.3 | 7097 | 425 |
| 450 | -12.8 | 41 | 1.3 | 331.7 | 6672 | -13.4 | 42 | 1.3 | 330.8 | 6646 | -13.5 | 53 | 1.6 | 331.9 | 6674 | -13.2 | 45 | 1.4 | 331.5 | 6664 | 450 |
| 475 | -10.1 | 32 | 1.2 | 329.7 | 6257 | -9.7 | 26 | 1.0 | 329.5 | 6232 | -9.6 | 35 | 1.3 | 330.8 | 6260 | -8.9 | 25 | 1.0 | 330.7 | 6249 | 475 |
| 500 | -7.2 | 29 | 1.3 | 328.8 | 5859 | -6.7 | 19 | .9 | 328.1 | 5833 | -6.8 | 27 | 1.3 | 329.2 | 5861 | -5.9 | 23 | 1.1 | 329.8 | 5849 | 500 |
| 525 | -4.4 | 26 | 1.3 | 327.8 | 5477 | -4.2 | 19 | 1.0 | 327.0 | 5451 | -4.5 | 27 | 1.4 | 327.9 | 5479 | -4.1 | 34 | 1.8 | 329.7 | 5466 | 525 |
| 550 | -1.8 | 23 | 1.4 | 326.8 | 5109 | -1.8 | 18 | 1.1 | 325.9 | 5082 | -2.3 | 26 | 1.5 | 326.6 | 5111 | -2.4 | 39 | 2.3 | 328.9 | 5098 | 550 |
| 575 | .7 | 20 | 1.4 | 325.7 | 4754 | .5 | 18 | 1.3 | 325.0 | 4727 | .1 | 25 | 1.7 | 325.8 | 4757 | -.2 | 38 | 2.5 | 328.0 | 4743 | 575 |
| 600 | 3.2 | 17 | 1.4 | 324.5 | 4411 | 2.6 | 20 | 1.5 | 324.3 | 4385 | 2.4 | 24 | 1.8 | 325.1 | 4414 | 2.1 | 35 | 2.6 | 327.1 | 4401 | 600 |
| 625 | 5.4 | 16 | 1.4 | 323.6 | 4079 | 4.6 | 21 | 1.7 | 323.7 | 4053 | 4.4 | 26 | 2.2 | 324.9 | 4083 | 4.3 | 32 | 2.7 | 326.2 | 4070 | 625 |
| 650 | 6.9 | 25 | 2.4 | 324.7 | 3758 | 6.6 | 22 | 2.0 | 323.2 | 3733 | 7.9 | 33 | 3.3 | 328.8 | 3762 | 6.4 | 30 | 2.7 | 325.2 | 3750 | 650 |
| 675 | 8.4 | 34 | 3.4 | 326.1 | 3447 | 8.5 | 23 | 2.3 | 322.8 | 3422 | 9.4 | 34 | 3.7 | 328.0 | 3450 | 8.4 | 27 | 2.8 | 324.2 | 3439 | 675 |
| 700 | 9.9 | 42 | 4.6 | 328.0 | 3145 | 10.2 | 36 | 4.0 | 326.7 | 3121 | 10.6 | 36 | 4.1 | 327.3 | 3148 | 9.4 | 58 | 6.2 | 332.1 | 3138 | 700 |
| 725 | 11.6 | 50 | 5.9 | 330.4 | 2853 | 11.8 | 40 | 4.8 | 327.4 | 2828 | 12.2 | 54 | 6.7 | 333.5 | 2854 | 11.5 | 69 | 8.1 | 337.0 | 2846 | 725 |
| 750 | 13.1 | 57 | 7.3 | 333.1 | 2568 | 13.4 | 66 | 8.5 | 337.1 | 2543 | 13.7 | 72 | 9.5 | 340.2 | 2569 | 12.4 | 81 | 9.9 | 339.7 | 2561 | 750 |
| 775 | 14.7 | 65 | 8.8 | 336.2 | 2291 | 13.4 | 72 | 9.0 | 335.4 | 2267 | 14.9 | 81 | 11.3 | 343.5 | 2291 | 13.3 | 94 | 11.7 | 342.6 | 2284 | 775 |
| 800 | 15.9 | 72 | 10.2 | 338.6 | 2021 | 15.0 | 74 | 10.0 | 336.8 | 1998 | 16.0 | 84 | 12.0 | 343.8 | 2021 | 15.7 | 98 | 13.9 | 348.6 | 2015 | 800 |
| 825 | 16.5 | 71 | 10.2 | 336.2 | 1759 | 16.5 | 76 | 11.0 | 338.5 | 1736 | 17.0 | 86 | 12.8 | 344.1 | 1758 | 16.0 | 98 | 13.7 | 345.4 | 1753 | 825 |
| 850 | 18.3 | 65 | 10.1 | 335.3 | 1503 | 18.0 | 78 | 12.0 | 340.2 | 1481 | 18.0 | 88 | 13.6 | 344.5 | 1502 | 17.4 | 98 | 14.6 | 346.6 | 1497 | 850 |
| 875 | 18.8 | 70 | 10.9 | 335.1 | 1254 | 18.8 | 82 | 13.0 | 340.9 | 1231 | 18.9 | 90 | 14.4 | 345.0 | 1252 | 18.9 | 97 | 15.5 | 348.0 | 1247 | 875 |
| 900 | 19.4 | 73 | 11.5 | 334.9 | 1012 | 18.9 | 89 | 13.7 | 340.3 | 988 | 19.9 | 92 | 15.2 | 345.4 | 1008 | 20.3 | 97 | 16.4 | 349.4 | 1004 | 900 |
| 925 | 21.0 | 66 | 11.2 | 333.2 | 774 | 20.8 | 91 | 15.4 | 344.6 | 751 | 21.0 | 93 | 15.9 | 346.2 | 771 | 21.7 | 97 | 17.3 | 350.9 | 765 | 925 |
| 950 | 22.1 | 74 | 13.2 | 337.3 | 543 | 22.7 | 89 | 16.4 | 346.8 | 519 | 23.0 | 88 | 16.6 | 347.6 | 538 | 23.1 | 96 | 18.3 | 352.5 | 532 | 950 |
| 975 | 23.9 | 74 | 14.3 | 340.1 | 316 | 25.0 | 79 | 16.3 | 347.0 | 291 | 24.9 | 83 | 17.1 | 348.9 | 310 | 24.6 | 93 | 18.8 | 353.2 | 303 | 975 |
| 1000 | 26.3 | 67 | 14.6 | 341.2 | 93 | 27.3 | 69 | 16.0 | 346.3 | 66 | 26.8 | 78 | 17.5 | 349.9 | 86 | 26.4 | 85 | 18.7 | 352.4 | 80 | 1000 |
| SFC. | 27.3 | 64 | 14.6 | 341.5 | 0 | 28.0 | 66 | 15.8 | 345.9 | 0 | 27.5 | 76 | 17.7 | 350.2 | 0 | 27.0 | 82 | 18.6 | 352.0 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1009.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/22 1529 GMT T | RH | W | EPT | H | 3/22 1750 GMT T | RH | W | EPT | H | 3/22 2040 GMT T | RH | W | EPT | H | 3/23 150 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.0 | 0 | 0.0 | 469.9 | 19589 | -61.6 | 0 | 0.0 | 473.0 | 19562 | -62.4 | 0 | 0.0 | 471.2 | 19514 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -66.6 | 0 | 0.0 | 442.0 | 18650 | -64.6 | 0 | 0.0 | 446.2 | 18614 | -64.8 | 0 | 0.0 | 445.8 | 18573 | -64.2 | 0 | 0.0 | 447.1 | 18596 | 70 |
| 80 | -74.2 | 0 | 0.0 | 409.7 | 17865 | -74.7 | 0 | 0.0 | 408.8 | 17823 | -74.1 | 18 | .0 | 409.9 | 17779 | -74.4 | 16 | .0 | 409.3 | 17796 | 80 |
| 90 | -77.1 | 18 | .0 | 390.3 | 17185 | -76.2 | 18 | .0 | 392.1 | 17143 | -77.0 | 19 | .0 | 390.6 | 17097 | -76.0 | 16 | .0 | 392.6 | 17117 | 90 |
| 100 | -76.1 | 18 | .0 | 380.7 | 16577 | -72.7 | 18 | .0 | 387.3 | 16530 | -73.7 | 19 | .0 | 385.3 | 16487 | -78.3 | 16 | .0 | 376.5 | 16509 | 100 |
| 110 | -78.2 | 18 | .0 | 366.5 | 16034 | -77.6 | 20 | .0 | 367.7 | 15977 | -77.3 | 19 | .0 | 368.3 | 15934 | -78.9 | 16 | .0 | 365.2 | 15966 | 110 |
| 120 | -75.1 | 17 | .0 | 363.2 | 15533 | -75.0 | 19 | .0 | 363.4 | 15477 | -76.8 | 18 | .0 | 360.2 | 15435 | -76.4 | 16 | .0 | 360.9 | 15468 | 120 |
| 130 | -72.2 | 17 | .0 | 360.3 | 15066 | -71.7 | 18 | .0 | 361.2 | 15008 | -75.4 | 18 | .0 | 354.5 | 14973 | -73.3 | 15 | .0 | 358.2 | 15003 | 130 |
| 140 | -69.4 | 17 | .0 | 357.5 | 14626 | -69.9 | 17 | .0 | 356.6 | 14569 | -73.3 | 19 | .0 | 350.8 | 14542 | -70.4 | 15 | .0 | 355.7 | 14566 | 140 |
| 150 | -66.9 | 17 | .0 | 354.9 | 14212 | -69.2 | 16 | .0 | 350.9 | 14157 | -71.3 | 20 | .0 | 347.3 | 14136 | -67.8 | 15 | .0 | 353.3 | 14154 | 150 |
| 160 | -64.5 | 17 | .0 | 352.4 | 13820 | -65.8 | 17 | .0 | 350.3 | 13769 | -67.7 | 19 | .0 | 347.1 | 13751 | -64.7 | 15 | .0 | 352.0 | 13763 | 160 |
| 170 | -61.6 | 17 | .0 | 351.3 | 13447 | -62.5 | 18 | .0 | 349.7 | 13398 | -64.3 | 19 | .0 | 346.8 | 13383 | -61.9 | 15 | .0 | 350.8 | 13391 | 170 |
| 180 | -58.3 | 16 | .0 | 350.9 | 13091 | -59.5 | 18 | .0 | 349.0 | 13042 | -61.0 | 18 | .0 | 346.5 | 13031 | -59.2 | 15 | .0 | 349.5 | 13035 | 180 |
| 190 | -55.3 | 16 | .0 | 350.4 | 12748 | -56.7 | 17 | .0 | 348.2 | 12702 | -58.0 | 18 | .0 | 346.1 | 12692 | -56.6 | 15 | .0 | 348.3 | 12694 | 190 |
| 200 | -52.4 | 16 | .0 | 349.9 | 12419 | -54.0 | 17 | .0 | 347.4 | 12375 | -55.1 | 18 | .0 | 345.6 | 12367 | -53.4 | 15 | .0 | 348.3 | 12366 | 200 |
| 225 | -47.3 | 14 | .0 | 346.2 | 11647 | -47.8 | 16 | .0 | 345.5 | 11608 | -48.5 | 16 | .0 | 344.4 | 11603 | -47.3 | 15 | .0 | 346.2 | 11598 | 225 |
| 250 | -42.1 | 14 | .1 | 343.7 | 10943 | -42.2 | 16 | .1 | 343.6 | 10904 | -42.2 | 16 | .1 | 343.6 | 10901 | -41.8 | 15 | .1 | 344.2 | 10892 | 250 |
| 275 | -36.9 | 13 | .1 | 342.2 | 10290 | -36.9 | 16 | .1 | 342.2 | 10252 | -36.2 | 16 | .1 | 343.2 | 10248 | -35.9 | 14 | .1 | 343.6 | 10238 | 275 |
| 300 | -32.0 | 13 | .1 | 340.7 | 9682 | -33.5 | 16 | .1 | 338.7 | 9645 | -31.5 | 16 | .1 | 341.5 | 9638 | -32.9 | 14 | .1 | 339.5 | 9630 | 300 |
| 325 | -29.5 | 14 | .1 | 336.7 | 9114 | -29.9 | 16 | .2 | 336.1 | 9079 | -27.6 | 17 | .2 | 339.5 | 9067 | -29.5 | 15 | .2 | 336.7 | 9063 | 325 |
| 350 | -25.2 | 14 | .2 | 335.7 | 8581 | -26.0 | 16 | .2 | 334.6 | 8547 | -23.4 | 18 | .3 | 338.4 | 8529 | -25.0 | 16 | .2 | 336.0 | 8529 | 350 |
| 375 | -21.1 | 15 | .3 | 334.7 | 8075 | -22.3 | 16 | .3 | 333.1 | 8044 | -21.2 | 17 | .3 | 334.9 | 8022 | -20.9 | 17 | .3 | 335.3 | 8024 | 375 |
| 400 | -17.4 | 15 | .4 | 333.8 | 7595 | -18.9 | 16 | .3 | 331.8 | 7567 | -18.1 | 17 | .4 | 333.0 | 7543 | -17.0 | 18 | .5 | 334.6 | 7543 | 400 |
| 425 | -14.3 | 19 | .6 | 332.7 | 7139 | -15.5 | 21 | .5 | 331.1 | 7112 | -15.0 | 18 | .5 | 331.6 | 7087 | -13.7 | 18 | .5 | 333.5 | 7085 | 425 |
| 450 | -11.5 | 29 | 1.0 | 332.5 | 6703 | -12.3 | 25 | .8 | 330.7 | 6678 | -12.1 | 18 | .6 | 330.3 | 6653 | -10.6 | 17 | .7 | 332.4 | 6648 | 450 |
| 475 | -8.2 | 38 | 1.6 | 333.5 | 6286 | -9.3 | 29 | 1.1 | 330.5 | 6262 | -9.7 | 30 | 1.2 | 330.1 | 6237 | -8.3 | 18 | .8 | 330.5 | 6230 | 475 |
| 500 | -4.5 | 22 | 1.2 | 331.8 | 5885 | -5.7 | 23 | 1.2 | 330.2 | 5863 | -7.0 | 20 | .9 | 327.9 | 5839 | -5.5 | 17 | .9 | 329.5 | 5830 | 500 |
| 525 | -1.9 | 30 | 1.9 | 332.7 | 5499 | -3.2 | 23 | 1.3 | 329.2 | 5479 | -4.7 | 43 | 2.2 | 330.2 | 5457 | -2.8 | 27 | 1.6 | 330.7 | 5445 | 525 |
| 550 | .1 | 24 | 1.7 | 330.0 | 5127 | -1.5 | 35 | 2.2 | 329.7 | 5110 | -3.1 | 33 | 1.8 | 326.5 | 5089 | -1.1 | 36 | 2.3 | 330.6 | 5075 | 550 |
| 575 | 1.6 | 25 | 1.9 | 328.3 | 4770 | .6 | 29 | 2.0 | 327.4 | 4754 | -1.3 | 39 | 2.4 | 326.3 | 4736 | .5 | 40 | 2.7 | 329.8 | 4720 | 575 |
| 600 | 3.6 | 32 | 2.7 | 329.1 | 4426 | 2.5 | 30 | 2.3 | 326.6 | 4412 | .6 | 57 | 3.8 | 328.9 | 4396 | 2.7 | 43 | 3.3 | 330.1 | 4377 | 600 |
| 625 | 5.5 | 40 | 3.6 | 330.6 | 4093 | 4.3 | 36 | 3.0 | 327.2 | 4080 | 2.5 | 55 | 4.0 | 328.1 | 4067 | 4.3 | 58 | 4.8 | 332.7 | 4045 | 625 |
| 650 | 6.7 | 75 | 7.1 | 338.8 | 3771 | 5.7 | 49 | 4.3 | 329.1 | 3760 | 4.3 | 53 | 4.2 | 327.2 | 3748 | 5.5 | 66 | 5.7 | 333.1 | 3725 | 650 |
| 675 | 9.8 | 49 | 5.5 | 334.1 | 3459 | 7.7 | 52 | 5.1 | 330.2 | 3450 | 6.1 | 51 | 4.5 | 326.6 | 3440 | 7.8 | 55 | 5.4 | 331.3 | 3414 | 675 |
| 700 | 11.8 | 57 | 7.1 | 337.7 | 3155 | 9.8 | 53 | 5.7 | 331.1 | 3149 | 7.7 | 54 | 5.1 | 326.9 | 3141 | 9.0 | 56 | 5.7 | 330.3 | 3113 | 700 |
| 725 | 13.6 | 67 | 9.1 | 342.3 | 2860 | 11.4 | 60 | 7.0 | 333.4 | 2856 | 9.3 | 56 | 5.7 | 327.3 | 2850 | 10.6 | 61 | 6.8 | 331.9 | 2821 | 725 |
| 750 | 15.0 | 82 | 11.8 | 348.4 | 2573 | 12.9 | 66 | 8.3 | 335.9 | 2571 | 10.9 | 59 | 6.4 | 327.8 | 2568 | 12.1 | 67 | 7.9 | 333.8 | 2538 | 750 |
| 775 | 16.1 | 97 | 14.6 | 354.5 | 2294 | 14.4 | 73 | 9.7 | 338.5 | 2294 | 12.8 | 67 | 8.1 | 331.9 | 2293 | 14.4 | 62 | 8.2 | 334.1 | 2261 | 775 |
| 800 | 17.4 | 96 | 15.2 | 354.7 | 2022 | 15.9 | 76 | 10.8 | 340.2 | 2025 | 14.9 | 83 | 11.1 | 339.9 | 2024 | 16.2 | 40 | 5.8 | 326.2 | 1992 | 800 |
| 825 | 18.7 | 95 | 15.8 | 354.9 | 1757 | 17.2 | 79 | 11.9 | 342.0 | 1762 | 15.6 | 89 | 12.1 | 340.3 | 1763 | 16.3 | 51 | 7.2 | 327.5 | 1730 | 825 |
| 850 | 20.0 | 94 | 16.4 | 355.1 | 1498 | 18.6 | 82 | 13.1 | 343.9 | 1505 | 17.1 | 90 | 13.0 | 341.8 | 1508 | 17.0 | 67 | 9.7 | 332.6 | 1476 | 850 |
| 875 | 21.2 | 93 | 17.0 | 355.3 | 1247 | 19.9 | 85 | 14.3 | 346.0 | 1255 | 18.5 | 91 | 14.0 | 343.4 | 1259 | 17.9 | 71 | 10.5 | 333.0 | 1227 | 875 |
| 900 | 22.4 | 92 | 17.6 | 355.6 | 1001 | 21.2 | 88 | 15.6 | 348.3 | 1010 | 19.8 | 92 | 15.1 | 345.1 | 1015 | 19.4 | 74 | 11.7 | 335.4 | 985 | 900 |
| 925 | 23.5 | 91 | 18.2 | 355.8 | 761 | 22.4 | 90 | 16.9 | 350.6 | 771 | 21.2 | 93 | 16.1 | 346.8 | 778 | 21.4 | 72 | 12.6 | 337.6 | 748 | 925 |
| 950 | 24.6 | 90 | 18.8 | 356.0 | 526 | 23.6 | 93 | 18.3 | 353.1 | 538 | 22.6 | 89 | 16.3 | 346.6 | 545 | 23.3 | 71 | 13.5 | 339.8 | 515 | 950 |
| 975 | 25.7 | 89 | 19.4 | 356.2 | 296 | 24.8 | 87 | 17.8 | 350.7 | 309 | 24.0 | 85 | 16.6 | 346.3 | 317 | 25.9 | 62 | 13.6 | 340.5 | 287 | 975 |
| 1000 | 26.8 | 88 | 19.9 | 356.4 | 72 | 25.9 | 81 | 17.3 | 348.1 | 85 | 25.4 | 81 | 16.7 | 345.9 | 94 | 28.9 | 50 | 12.7 | 339.2 | 62 | 1000 |
| SFC. | 27.1 | 88 | 20.1 | 356.5 | 0 | 26.3 | 79 | 17.1 | 347.1 | 0 | 26.0 | 79 | 16.8 | 345.7 | 0 | 29.7 | 47 | 12.3 | 338.5 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.1 | SURFACE PRESSURE | | | | 1009.7 | SURFACE PRESSURE | | | | 1010.7 | SURFACE PRESSURE | | | | 1007.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/23 830 GMT T | RH | W | EPT | H | 3/23 1115 GMT T | RH | W | EPT | H | 3/23 1445 GMT T | RH | W | EPT | H | 3/23 1830 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.1 | 0 | 0.0 | 463.0 | 19473 | -67.8 | 0 | 0.0 | 459.2 | 19479 | -67.5 | 0 | 0.0 | 459.8 | 19461 | -66.2 | 0 | 0.0 | 462.7 | 19506 | 60 |
| 70 | -65.8 | 0 | 0.0 | 443.6 | 18537 | -67.6 | 0 | 0.0 | 439.8 | 18552 | -70.7 | 28 | .0 | 433.3 | 18539 | -67.3 | 0 | 0.0 | 440.4 | 18574 | 70 |
| 80 | -70.8 | 19 | .0 | 416.8 | 17732 | -72.1 | 17 | .0 | 414.0 | 17753 | -74.5 | 29 | .0 | 409.1 | 17754 | -74.6 | 0 | 0.0 | 408.8 | 17784 | 80 |
| 90 | -77.7 | 20 | .0 | 389.2 | 17047 | -77.6 | 18 | .0 | 389.4 | 17071 | -76.2 | 29 | .0 | 392.2 | 17074 | -77.4 | 18 | .0 | 389.9 | 17104 | 90 |
| 100 | -77.7 | 20 | .0 | 377.6 | 16444 | -76.7 | 18 | .0 | 379.6 | 16466 | -75.2 | 29 | .0 | 382.5 | 16465 | -75.4 | 18 | .0 | 382.1 | 16497 | 100 |
| 110 | -75.4 | 20 | .0 | 371.8 | 15895 | -79.1 | 18 | .0 | 364.8 | 15918 | -78.8 | 29 | .0 | 365.4 | 15917 | -75.3 | 19 | .0 | 371.9 | 15945 | 110 |
| 120 | -78.9 | 20 | .0 | 356.3 | 15396 | -78.6 | 17 | .0 | 356.8 | 15425 | -77.2 | 30 | .0 | 359.4 | 15420 | -74.7 | 20 | .0 | 364.0 | 15441 | 120 |
| 130 | -75.6 | 20 | .0 | 354.0 | 14937 | -75.5 | 17 | .0 | 354.3 | 14965 | -74.2 | 30 | .0 | 356.6 | 14957 | -72.8 | 19 | .0 | 359.1 | 14973 | 130 |
| 140 | -72.3 | 20 | .0 | 352.5 | 14505 | -72.6 | 17 | .0 | 351.9 | 14533 | -71.1 | 29 | .0 | 354.6 | 14522 | -71.3 | 18 | .0 | 354.2 | 14537 | 140 |
| 150 | -71.9 | 20 | .0 | 346.2 | 14099 | -69.4 | 17 | .0 | 350.6 | 14125 | -68.2 | 29 | .0 | 352.6 | 14111 | -68.4 | 18 | .0 | 352.3 | 14126 | 150 |
| 160 | -68.2 | 20 | .0 | 346.1 | 13715 | -66.2 | 17 | .0 | 349.6 | 13737 | -65.5 | 29 | .0 | 350.8 | 13721 | -65.4 | 18 | .0 | 351.0 | 13737 | 160 |
| 170 | -64.8 | 19 | .0 | 345.9 | 13348 | -63.1 | 16 | .0 | 348.7 | 13367 | -63.0 | 28 | .0 | 349.0 | 13350 | -62.5 | 18 | .0 | 349.7 | 13365 | 170 |
| 180 | -61.5 | 19 | .0 | 345.6 | 12997 | -60.3 | 16 | .0 | 347.7 | 13013 | -60.3 | 28 | .0 | 347.8 | 12996 | -59.9 | 18 | .0 | 348.4 | 13010 | 180 |
| 190 | -58.5 | 18 | .0 | 345.3 | 12659 | -57.6 | 16 | .0 | 346.7 | 12674 | -57.3 | 27 | .0 | 347.3 | 12657 | -57.3 | 18 | .0 | 347.2 | 12671 | 190 |
| 200 | -55.5 | 18 | .0 | 344.9 | 12334 | -54.8 | 16 | .0 | 346.0 | 12348 | -54.4 | 27 | .0 | 346.8 | 12330 | -54.9 | 18 | .0 | 345.9 | 12345 | 200 |
| 225 | -48.8 | 17 | .0 | 343.8 | 11572 | -48.1 | 15 | .0 | 345.0 | 11583 | -48.1 | 28 | .1 | 345.1 | 11565 | -48.4 | 18 | .0 | 344.6 | 11580 | 225 |
| 250 | -42.8 | 17 | .1 | 342.6 | 10871 | -42.0 | 15 | .1 | 343.9 | 10879 | -42.5 | 31 | .1 | 343.3 | 10862 | -42.5 | 19 | .1 | 343.1 | 10878 | 250 |
| 275 | -37.4 | 16 | .1 | 341.4 | 10220 | -36.5 | 14 | .1 | 342.7 | 10226 | -37.1 | 43 | .2 | 342.4 | 10211 | -36.4 | 33 | .2 | 343.3 | 10226 | 275 |
| 300 | -32.4 | 23 | .2 | 340.6 | 9613 | -33.6 | 60 | .4 | 339.8 | 9619 | -34.2 | 65 | .5 | 339.0 | 9605 | -33.4 | 35 | .3 | 339.4 | 9619 | 300 |
| 325 | -29.7 | 35 | .3 | 337.2 | 9047 | -29.3 | 38 | .4 | 337.9 | 9053 | -30.4 | 68 | .6 | 337.3 | 9040 | -29.2 | 40 | .4 | 338.1 | 9052 | 325 |
| 350 | -25.9 | 55 | .7 | 336.7 | 8514 | -25.7 | 37 | .5 | 336.1 | 8520 | -26.4 | 72 | .9 | 336.5 | 8509 | -25.3 | 45 | .6 | 337.0 | 8519 | 350 |
| 375 | -23.5 | 29 | .4 | 332.2 | 8011 | -22.3 | 35 | .6 | 334.3 | 8016 | -22.5 | 74 | 1.2 | 336.3 | 8006 | -21.6 | 45 | .8 | 336.0 | 8014 | 375 |
| 400 | -20.5 | 40 | .7 | 331.1 | 7537 | -19.2 | 34 | .7 | 332.7 | 7539 | -19.0 | 69 | 1.5 | 335.5 | 7529 | -18.0 | 36 | .8 | 334.7 | 7535 | 400 |
| 425 | -16.7 | 47 | 1.2 | 331.7 | 7085 | -15.8 | 31 | .8 | 331.6 | 7085 | -15.5 | 47 | 1.3 | 333.6 | 7074 | -14.7 | 38 | 1.1 | 334.0 | 7079 | 425 |
| 450 | -13.9 | 39 | 1.1 | 329.7 | 6653 | -12.6 | 27 | .9 | 330.6 | 6651 | -12.7 | 52 | 1.7 | 333.1 | 6640 | -11.7 | 39 | 1.4 | 333.4 | 6643 | 450 |
| 475 | -11.7 | 37 | 1.2 | 327.8 | 6240 | -9.6 | 24 | .9 | 329.5 | 6236 | -9.9 | 46 | 1.8 | 331.7 | 6225 | -8.8 | 41 | 1.7 | 333.0 | 6227 | 475 |
| 500 | -8.8 | 59 | 2.3 | 330.2 | 5845 | -6.9 | 31 | 1.4 | 329.7 | 5838 | -7.1 | 48 | 2.1 | 331.7 | 5827 | -6.5 | 46 | 2.1 | 332.4 | 5827 | 500 |
| 525 | -6.0 | 82 | 3.9 | 333.9 | 5465 | -5.1 | 73 | 3.7 | 334.4 | 5455 | -4.9 | 57 | 2.9 | 332.1 | 5445 | -5.4 | 58 | 2.8 | 331.3 | 5445 | 525 |
| 550 | -3.6 | 59 | 3.1 | 330.2 | 5098 | -3.2 | 80 | 4.4 | 334.6 | 5088 | -3.2 | 72 | 3.9 | 333.1 | 5077 | -3.3 | 61 | 3.3 | 331.0 | 5078 | 550 |
| 575 | -.9 | 51 | 3.2 | 329.4 | 4744 | -1.4 | 73 | 4.4 | 332.5 | 4734 | -.3 | 65 | 4.2 | 333.4 | 4723 | -1.0 | 61 | 3.8 | 331.0 | 4725 | 575 |
| 600 | .3 | 67 | 4.3 | 330.3 | 4403 | -.1 | 83 | 5.2 | 332.5 | 4394 | 1.9 | 59 | 4.3 | 332.2 | 4381 | 1.2 | 57 | 4.0 | 330.4 | 4383 | 600 |
| 625 | 2.3 | 78 | 5.6 | 332.7 | 4075 | 2.8 | 76 | 5.7 | 333.6 | 4065 | 3.7 | 60 | 4.8 | 331.8 | 4050 | 2.7 | 58 | 4.3 | 329.2 | 4054 | 625 |
| 650 | 4.7 | 81 | 6.7 | 335.2 | 3756 | 3.7 | 95 | 7.3 | 335.6 | 3746 | 5.4 | 68 | 5.9 | 333.4 | 3730 | 3.7 | 75 | 5.8 | 331.2 | 3735 | 650 |
| 675 | 6.5 | 72 | 6.5 | 333.0 | 3446 | 6.3 | 86 | 7.7 | 336.1 | 3437 | 6.9 | 74 | 6.9 | 334.8 | 3420 | 5.4 | 64 | 5.3 | 328.2 | 3427 | 675 |
| 700 | 8.3 | 73 | 7.2 | 333.7 | 3146 | 8.8 | 78 | 7.9 | 336.4 | 3137 | 8.9 | 64 | 6.5 | 332.4 | 3120 | 7.7 | 63 | 5.9 | 329.3 | 3128 | 700 |
| 725 | 10.5 | 81 | 8.9 | 337.9 | 2854 | 11.2 | 70 | 8.1 | 336.4 | 2845 | 11.3 | 65 | 7.6 | 335.0 | 2828 | 9.9 | 58 | 6.1 | 329.1 | 2838 | 725 |
| 750 | 12.1 | 75 | 8.9 | 336.6 | 2570 | 12.4 | 69 | 8.4 | 335.6 | 2560 | 12.5 | 64 | 7.8 | 334.0 | 2543 | 12.0 | 40 | 4.7 | 324.3 | 2555 | 750 |
| 775 | 13.2 | 76 | 9.3 | 335.9 | 2295 | 13.6 | 69 | 8.7 | 334.6 | 2284 | 13.0 | 76 | 9.3 | 335.5 | 2267 | 13.2 | 47 | 5.8 | 326.0 | 2279 | 775 |
| 800 | 15.1 | 63 | 8.6 | 332.9 | 2026 | 12.8 | 98 | 11.5 | 338.3 | 2016 | 14.2 | 86 | 11.0 | 338.8 | 1999 | 14.2 | 62 | 7.9 | 329.9 | 2011 | 800 |
| 825 | 17.0 | 57 | 8.5 | 332.1 | 1764 | 15.0 | 94 | 12.2 | 340.0 | 1755 | 15.7 | 88 | 12.0 | 340.3 | 1737 | 15.4 | 70 | 9.4 | 332.6 | 1751 | 825 |
| 850 | 18.4 | 66 | 10.4 | 336.2 | 1508 | 17.1 | 89 | 13.0 | 341.7 | 1500 | 17.2 | 89 | 13.0 | 341.9 | 1482 | 17.0 | 67 | 9.7 | 332.6 | 1496 | 850 |
| 875 | 20.1 | 76 | 13.0 | 342.7 | 1258 | 18.7 | 89 | 14.0 | 343.7 | 1251 | 18.6 | 90 | 14.1 | 343.6 | 1233 | 18.6 | 65 | 10.0 | 332.6 | 1248 | 875 |
| 900 | 21.6 | 79 | 14.5 | 345.9 | 1014 | 20.2 | 91 | 15.2 | 346.1 | 1008 | 19.9 | 92 | 15.1 | 345.5 | 990 | 20.2 | 62 | 10.3 | 332.5 | 1005 | 900 |
| 925 | 21.7 | 77 | 13.7 | 341.0 | 775 | 21.6 | 93 | 16.5 | 348.5 | 770 | 21.3 | 92 | 16.2 | 347.3 | 752 | 21.6 | 61 | 10.7 | 332.7 | 767 | 925 |
| 950 | 22.4 | 87 | 15.8 | 344.8 | 542 | 22.9 | 95 | 17.8 | 351.1 | 536 | 22.9 | 90 | 16.9 | 348.6 | 519 | 22.5 | 77 | 14.2 | 340.6 | 535 | 950 |
| 975 | 23.9 | 87 | 16.8 | 346.9 | 315 | 24.8 | 89 | 18.2 | 351.9 | 308 | 24.5 | 87 | 17.6 | 349.8 | 291 | 24.3 | 81 | 16.1 | 345.4 | 307 | 975 |
| 1000 | 26.0 | 78 | 16.8 | 346.8 | 92 | 26.8 | 81 | 18.2 | 351.8 | 84 | 26.0 | 85 | 18.3 | 351.0 | 67 | 26.5 | 77 | 16.9 | 347.9 | 84 | 1000 |
| SFC. | 26.8 | 75 | 16.7 | 346.6 | 0 | 27.5 | 78 | 18.2 | 351.6 | 0 | 26.5 | 84 | 18.5 | 351.3 | 0 | 27.3 | 75 | 17.2 | 348.8 | 0 | SFC. |
| | SURFACE PRESSURE 1010.4 | | | | | SURFACE PRESSURE 1009.5 | | | | | SURFACE PRESSURE 1007.6 | | | | | SURFACE PRESSURE 1009.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/23 2358 GMT T | RH | W | EPT | H | 3/24 3 7 GMT T | RH | W | EPT | H | 3/24 645 GMT T | RH | W | EPT | H | 3/24 915 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.1 | 0 | 0.0 | 465.2 | 19502 | -67.2 | 0 | 0.0 | 460.5 | 19494 | -69.2 | 49 | .0 | 456.2 | 19439 | -68.2 | 0 | 0.0 | 458.3 | 19505 | 60 |
| 70 | -65.4 | 0 | 0.0 | 444.4 | 18563 | -66.9 | 0 | 0.0 | 441.2 | 18563 | -71.0 | 49 | .0 | 432.7 | 18522 | -69.6 | 25 | .0 | 435.6 | 18585 | 70 |
| 80 | -71.2 | 0 | 0.0 | 415.8 | 17761 | -72.4 | 0 | 0.0 | 413.4 | 17766 | -74.0 | 49 | .0 | 410.3 | 17735 | -70.4 | 25 | .0 | 417.6 | 17789 | 80 |
| 90 | -78.2 | 19 | .0 | 388.3 | 17078 | -76.6 | 30 | .0 | 391.4 | 17083 | -73.5 | 50 | .0 | 397.6 | 17049 | -71.4 | 25 | .0 | 401.8 | 17093 | 90 |
| 100 | -77.5 | 19 | .0 | 378.0 | 16475 | -75.7 | 31 | .0 | 381.5 | 16475 | -78.7 | 50 | .0 | 375.6 | 16442 | -78.2 | 25 | .0 | 376.7 | 16478 | 100 |
| 110 | -74.0 | 19 | .0 | 374.4 | 15924 | -77.7 | 31 | .0 | 367.6 | 15925 | -79.4 | 50 | .0 | 364.2 | 15900 | -80.1 | 26 | .0 | 362.9 | 15936 | 110 |
| 120 | -74.5 | 19 | .0 | 364.4 | 15417 | -78.5 | 31 | .0 | 356.9 | 15430 | -78.9 | 50 | .0 | 356.3 | 15407 | -78.1 | 26 | .0 | 357.7 | 15443 | 120 |
| 130 | -74.2 | 19 | .0 | 356.5 | 14952 | -75.6 | 31 | .0 | 354.1 | 14971 | -76.7 | 50 | .0 | 352.1 | 14949 | -75.3 | 26 | .0 | 354.7 | 14982 | 130 |
| 140 | -71.9 | 19 | .0 | 353.3 | 14517 | -72.9 | 32 | .0 | 351.5 | 14539 | -73.7 | 50 | .0 | 350.0 | 14520 | -72.7 | 26 | .0 | 351.8 | 14550 | 140 |
| 150 | -69.6 | 19 | .0 | 350.2 | 14108 | -70.3 | 32 | .0 | 349.0 | 14132 | -70.5 | 50 | .0 | 348.7 | 14113 | -70.3 | 26 | .0 | 349.1 | 14143 | 150 |
| 160 | -66.8 | 19 | .0 | 348.6 | 13721 | -67.5 | 32 | .0 | 347.5 | 13746 | -67.5 | 50 | .0 | 347.4 | 13728 | -67.1 | 26 | .0 | 348.1 | 13756 | 160 |
| 170 | -63.9 | 19 | .0 | 347.4 | 13352 | -64.3 | 33 | .0 | 346.7 | 13378 | -64.9 | 51 | .0 | 345.9 | 13360 | -63.8 | 26 | .0 | 347.6 | 13388 | 170 |
| 180 | -61.2 | 19 | .0 | 346.2 | 13000 | -61.4 | 34 | .0 | 346.0 | 13026 | -62.3 | 52 | .0 | 344.5 | 13009 | -60.8 | 26 | .0 | 346.9 | 13035 | 180 |
| 190 | -58.6 | 19 | .0 | 345.1 | 12662 | -58.5 | 34 | .0 | 345.3 | 12688 | -59.6 | 52 | .0 | 343.5 | 12673 | -57.9 | 26 | .0 | 346.3 | 12696 | 190 |
| 200 | -56.2 | 19 | .0 | 343.9 | 12338 | -55.4 | 34 | .0 | 345.2 | 12363 | -57.0 | 52 | .0 | 342.7 | 12351 | -55.2 | 25 | .0 | 345.5 | 12371 | 200 |
| 225 | -49.1 | 19 | .0 | 343.4 | 11578 | -48.4 | 34 | .1 | 344.6 | 11600 | -50.9 | 52 | .1 | 340.9 | 11595 | -49.5 | 21 | .0 | 342.8 | 11609 | 225 |
| 250 | -42.7 | 20 | .1 | 342.9 | 10876 | -42.2 | 35 | .1 | 343.9 | 10897 | -44.0 | 50 | .2 | 341.4 | 10898 | -43.7 | 18 | .1 | 341.3 | 10910 | 250 |
| 275 | -37.7 | 30 | .2 | 341.3 | 10225 | -36.7 | 41 | .2 | 343.0 | 10245 | -38.2 | 63 | .3 | 341.1 | 10251 | -38.2 | 16 | .1 | 340.3 | 10262 | 275 |
| 300 | -32.9 | 32 | .3 | 340.1 | 9619 | -31.4 | 44 | .4 | 342.7 | 9636 | -33.0 | 62 | .5 | 340.8 | 9645 | -33.2 | 16 | .1 | 339.2 | 9657 | 300 |
| 325 | -28.4 | 34 | .4 | 339.0 | 9051 | -26.4 | 47 | .6 | 342.8 | 9063 | -27.8 | 71 | .9 | 341.6 | 9076 | -28.6 | 16 | .2 | 338.0 | 9089 | 325 |
| 350 | -24.3 | 35 | .5 | 338.1 | 8515 | -22.9 | 54 | .9 | 341.4 | 8523 | -24.4 | 74 | 1.1 | 340.0 | 8540 | -24.4 | 15 | .2 | 336.9 | 8554 | 350 |
| 375 | -20.4 | 37 | .7 | 337.3 | 8008 | -19.6 | 75 | 1.6 | 341.4 | 8014 | -21.2 | 77 | 1.4 | 338.7 | 8033 | -20.4 | 15 | .3 | 335.8 | 8047 | 375 |
| 400 | -17.4 | 39 | 1.0 | 335.9 | 7527 | -16.3 | 76 | 2.0 | 341.1 | 7532 | -18.2 | 79 | 1.8 | 337.7 | 7554 | -17.4 | 94 | 2.3 | 340.4 | 7566 | 400 |
| 425 | -14.5 | 34 | 1.0 | 334.0 | 7070 | -12.9 | 86 | 2.9 | 342.4 | 7072 | -14.6 | 85 | 2.5 | 338.9 | 7097 | -14.3 | 96 | 2.9 | 340.5 | 7109 | 425 |
| 450 | -12.0 | 25 | .9 | 331.3 | 6636 | -10.7 | 81 | 3.1 | 340.3 | 6634 | -11.1 | 91 | 3.3 | 340.5 | 6661 | -11.3 | 98 | 3.5 | 340.8 | 6672 | 450 |
| 475 | -8.7 | 28 | 1.1 | 331.3 | 6219 | -8.7 | 76 | 3.2 | 337.9 | 6216 | -8.9 | 93 | 3.8 | 339.7 | 6243 | -8.9 | 96 | 3.9 | 340.1 | 6254 | 475 |
| 500 | -5.9 | 38 | 1.9 | 332.3 | 5819 | -6.1 | 66 | 3.2 | 336.4 | 5816 | -7.0 | 94 | 4.3 | 338.5 | 5844 | -7.5 | 85 | 3.7 | 336.1 | 5856 | 500 |
| 525 | -5.5 | 51 | 2.4 | 330.0 | 5437 | -3.9 | 78 | 4.2 | 337.6 | 5432 | -5.2 | 95 | 4.7 | 337.5 | 5462 | -3.9 | 98 | 5.4 | 341.1 | 5472 | 525 |
| 550 | -3.3 | 51 | 2.8 | 329.3 | 5071 | -2.3 | 86 | 5.0 | 337.6 | 5063 | -3.2 | 89 | 4.9 | 335.9 | 5094 | -2.4 | 98 | 5.8 | 339.8 | 5103 | 550 |
| 575 | -1.2 | 50 | 3.1 | 328.7 | 4717 | -.7 | 93 | 5.9 | 337.8 | 4708 | -1.0 | 69 | 4.3 | 332.7 | 4740 | -.9 | 99 | 6.2 | 338.5 | 4748 | 575 |
| 600 | .8 | 50 | 3.4 | 328.1 | 4377 | .8 | 99 | 6.7 | 338.0 | 4366 | -.4 | 98 | 6.1 | 334.6 | 4400 | .6 | 98 | 6.6 | 337.4 | 4407 | 600 |
| 625 | 2.7 | 52 | 3.9 | 328.0 | 4047 | 2.3 | 99 | 7.2 | 337.3 | 4037 | 1.3 | 91 | 6.2 | 333.1 | 4071 | 3.2 | 80 | 6.2 | 335.4 | 4076 | 625 |
| 650 | 4.4 | 62 | 5.0 | 329.7 | 3728 | 3.8 | 99 | 7.7 | 336.8 | 3718 | 3.3 | 83 | 6.2 | 332.0 | 3754 | 5.7 | 62 | 5.5 | 332.7 | 3756 | 650 |
| 675 | 6.6 | 45 | 4.1 | 326.1 | 3420 | 5.4 | 97 | 8.2 | 336.5 | 3409 | 5.8 | 73 | 6.3 | 331.7 | 3446 | 7.6 | 64 | 6.2 | 333.6 | 3446 | 675 |
| 700 | 8.6 | 43 | 4.3 | 325.6 | 3120 | 7.2 | 94 | 8.6 | 336.4 | 3110 | 8.3 | 64 | 6.3 | 331.0 | 3146 | 9.8 | 62 | 6.7 | 334.2 | 3145 | 700 |
| 725 | 10.6 | 40 | 4.4 | 325.0 | 2828 | 9.0 | 90 | 9.0 | 336.3 | 2820 | 10.6 | 55 | 6.1 | 329.8 | 2855 | 11.3 | 58 | 6.8 | 332.6 | 2852 | 725 |
| 750 | 11.3 | 51 | 5.7 | 326.2 | 2546 | 10.6 | 87 | 9.4 | 336.1 | 2537 | 12.8 | 50 | 6.2 | 329.5 | 2571 | 12.7 | 61 | 7.5 | 333.1 | 2568 | 750 |
| 775 | 11.9 | 69 | 7.8 | 330.0 | 2271 | 12.3 | 84 | 9.7 | 335.9 | 2262 | 14.7 | 50 | 6.9 | 330.6 | 2294 | 13.2 | 65 | 8.0 | 332.2 | 2292 | 775 |
| 800 | 13.4 | 73 | 8.9 | 331.7 | 2004 | 13.9 | 80 | 10.1 | 335.6 | 1995 | 16.6 | 51 | 7.5 | 331.8 | 2025 | 13.1 | 70 | 8.4 | 329.9 | 2024 | 800 |
| 825 | 15.2 | 69 | 9.2 | 331.7 | 1744 | 15.2 | 83 | 11.1 | 337.1 | 1734 | 18.4 | 51 | 8.3 | 333.1 | 1762 | 13.3 | 77 | 9.0 | 328.9 | 1765 | 825 |
| 850 | 16.9 | 75 | 10.8 | 335.3 | 1489 | 16.5 | 87 | 12.3 | 339.1 | 1479 | 19.1 | 56 | 9.2 | 333.6 | 1505 | 15.8 | 93 | 12.4 | 338.6 | 1512 | 850 |
| 875 | 18.3 | 69 | 10.5 | 333.5 | 1241 | 17.8 | 91 | 13.5 | 341.2 | 1231 | 19.8 | 61 | 10.1 | 334.2 | 1255 | 17.8 | 98 | 14.5 | 343.8 | 1263 | 875 |
| 900 | 19.8 | 65 | 10.5 | 332.6 | 998 | 19.1 | 95 | 14.8 | 343.4 | 988 | 20.5 | 65 | 11.0 | 334.8 | 1012 | 19.4 | 96 | 15.3 | 345.2 | 1021 | 900 |
| 925 | 21.5 | 68 | 12.0 | 335.9 | 761 | 20.4 | 96 | 15.9 | 345.2 | 751 | 21.9 | 68 | 12.2 | 337.0 | 774 | 20.9 | 95 | 16.1 | 346.7 | 783 | 925 |
| 950 | 23.1 | 71 | 13.5 | 339.6 | 528 | 21.7 | 97 | 16.9 | 347.0 | 519 | 23.6 | 70 | 13.6 | 340.3 | 541 | 22.5 | 93 | 17.0 | 348.1 | 550 | 950 |
| 975 | 25.5 | 71 | 15.1 | 344.1 | 300 | 23.0 | 98 | 18.0 | 348.9 | 292 | 23.8 | 79 | 15.1 | 342.1 | 313 | 23.9 | 91 | 17.8 | 349.5 | 323 | 975 |
| 1000 | 28.5 | 66 | 16.5 | 349.3 | 76 | 24.2 | 99 | 19.1 | 350.8 | 69 | 23.9 | 87 | 16.6 | 343.6 | 91 | 25.4 | 90 | 18.6 | 350.9 | 99 | 1000 |
| SFC. | 29.5 | 65 | 17.0 | 351.1 | 0 | 24.6 | 99 | 19.5 | 351.5 | 0 | 24.0 | 91 | 17.2 | 344.2 | 0 | 26.0 | 89 | 19.0 | 351.6 | 0 | SFC. |
| | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1007.9 | | | | | SURFACE PRESSURE 1010.4 | | | | | SURFACE PRESSURE 1011.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — PALMYRA ISLAND

| P | 3/24 1155 GMT T | RH | W | EPT | H | 3/24 1847 GMT T | RH | W | EPT | H | 3/25 045 GMT T | RH | W | EPT | H | 3/25 6 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.1 | 0 | 0.0 | 458.5 | 19412 | -58.0 | 0 | 0.0 | 481.1 | 19632 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.9 | 0 | 0.0 | 465.6 | 19469 | 60 |
| 70 | -71.5 | 0 | 0.0 | 431.4 | 18494 | -68.1 | 15 | .0 | 438.8 | 18684 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.0 | 36 | .0 | 434.8 | 18536 | 70 |
| 80 | -74.5 | 0 | 0.0 | 409.2 | 17711 | -69.0 | 16 | .0 | 420.4 | 17884 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 37 | .0 | 408.0 | 17753 | 80 |
| 90 | -74.2 | 33 | .0 | 396.2 | 17025 | -69.9 | 17 | .0 | 404.8 | 17181 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.6 | 38 | .0 | 393.3 | 17072 | 90 |
| 100 | -78.9 | 34 | .0 | 375.3 | 16418 | -76.4 | 17 | .0 | 380.1 | 16561 | -76.4 | 17 | .0 | 380.1 | 16526 | -75.3 | 37 | .0 | 382.3 | 16462 | 100 |
| 110 | -80.0 | 34 | .0 | 363.2 | 15878 | -78.5 | 17 | .0 | 366.0 | 16017 | -76.6 | 18 | .0 | 369.5 | 15975 | -75.0 | 37 | .0 | 372.6 | 15909 | 110 |
| 120 | -79.2 | 33 | .0 | 355.7 | 15385 | -76.4 | 17 | .0 | 360.9 | 15519 | -74.8 | 18 | .0 | 363.8 | 15473 | -74.7 | 37 | .0 | 363.9 | 15404 | 120 |
| 130 | -76.5 | 32 | .0 | 352.4 | 14928 | -72.8 | 17 | .0 | 359.2 | 15054 | -72.5 | 17 | .0 | 359.7 | 15005 | -74.4 | 38 | .0 | 356.2 | 14939 | 130 |
| 140 | -72.8 | 32 | .0 | 351.5 | 14498 | -69.4 | 17 | .0 | 357.6 | 14615 | -70.1 | 17 | .0 | 356.4 | 14567 | -71.7 | 38 | .0 | 353.5 | 14505 | 140 |
| 150 | -69.4 | 32 | .0 | 350.6 | 14089 | -66.6 | 17 | .0 | 355.4 | 14201 | -67.1 | 17 | .0 | 354.5 | 14154 | -69.0 | 38 | .0 | 351.4 | 14095 | 150 |
| 160 | -67.3 | 33 | .0 | 347.7 | 13702 | -64.5 | 17 | .0 | 352.5 | 13808 | -64.3 | 17 | .0 | 352.7 | 13762 | -66.4 | 39 | .0 | 349.3 | 13706 | 160 |
| 170 | -64.9 | 33 | .0 | 345.7 | 13335 | -62.5 | 17 | .0 | 349.7 | 13436 | -61.7 | 17 | .0 | 351.0 | 13389 | -63.9 | 39 | .0 | 347.4 | 13337 | 170 |
| 180 | -61.8 | 34 | .0 | 345.2 | 12984 | -59.9 | 17 | .0 | 348.4 | 13081 | -59.3 | 17 | .0 | 349.3 | 13033 | -61.6 | 39 | .0 | 345.5 | 12985 | 180 |
| 190 | -58.9 | 34 | .0 | 344.6 | 12647 | -57.2 | 16 | .0 | 347.3 | 12741 | -57.0 | 17 | .0 | 347.6 | 12692 | -58.9 | 39 | .0 | 344.6 | 12648 | 190 |
| 200 | -56.2 | 35 | .0 | 344.0 | 12323 | -54.6 | 16 | .0 | 346.4 | 12415 | -54.8 | 17 | .0 | 346.0 | 12366 | -56.2 | 39 | .0 | 343.9 | 12324 | 200 |
| 225 | -49.9 | 32 | .1 | 342.3 | 11564 | -48.2 | 16 | .0 | 344.8 | 11650 | -47.7 | 16 | .0 | 345.6 | 11601 | -50.0 | 40 | .1 | 342.1 | 11565 | 225 |
| 250 | -44.4 | 26 | .1 | 340.3 | 10866 | -42.5 | 16 | .1 | 343.2 | 10947 | -41.1 | 16 | .1 | 345.2 | 10895 | -44.1 | 36 | .1 | 341.0 | 10868 | 250 |
| 275 | -39.5 | 21 | .1 | 338.4 | 10221 | -37.0 | 16 | .1 | 342.0 | 10296 | -37.0 | 22 | .1 | 342.2 | 10242 | -38.3 | 35 | .2 | 340.5 | 10220 | 275 |
| 300 | -35.0 | 16 | .1 | 336.5 | 9620 | -31.5 | 17 | .2 | 341.6 | 9687 | -31.9 | 21 | .2 | 341.3 | 9634 | -33.5 | 51 | .4 | 339.7 | 9615 | 300 |
| 325 | -29.9 | 23 | .2 | 336.3 | 9056 | -27.6 | 20 | .2 | 339.6 | 9116 | -26.9 | 18 | .2 | 340.6 | 9062 | -29.2 | 67 | .7 | 339.2 | 9049 | 325 |
| 350 | -25.3 | 29 | .4 | 336.3 | 8523 | -23.8 | 31 | .5 | 338.6 | 8579 | -24.2 | 30 | .5 | 337.9 | 8525 | -26.2 | 91 | 1.2 | 337.7 | 8516 | 350 |
| 375 | -20.9 | 36 | .7 | 336.5 | 8017 | -20.3 | 40 | .8 | 337.8 | 8072 | -20.5 | 33 | .7 | 337.0 | 8018 | -23.2 | 85 | 1.3 | 335.7 | 8014 | 375 |
| 400 | -18.0 | 91 | 2.1 | 339.0 | 7537 | -16.4 | 28 | .7 | 336.5 | 7590 | -17.0 | 32 | .8 | 335.9 | 7537 | -18.8 | 27 | .6 | 332.8 | 7538 | 400 |
| 425 | -14.8 | 88 | 2.5 | 338.7 | 7081 | -12.5 | 29 | 1.0 | 336.6 | 7130 | -14.4 | 24 | .7 | 333.1 | 7080 | -15.2 | 12 | .3 | 330.7 | 7083 | 425 |
| 450 | -12.2 | 91 | 3.0 | 338.1 | 6646 | -8.9 | 30 | 1.3 | 336.9 | 6691 | -11.4 | 15 | .5 | 330.9 | 6644 | -11.8 | 14 | .5 | 330.2 | 6648 | 450 |
| 475 | -9.9 | 99 | 3.8 | 338.1 | 6230 | -6.0 | 34 | 1.7 | 336.7 | 6269 | -8.9 | 25 | 1.0 | 330.6 | 6228 | -8.6 | 16 | .7 | 329.8 | 6232 | 475 |
| 500 | -7.8 | 99 | 4.2 | 337.4 | 5832 | -5.2 | 47 | 2.4 | 334.9 | 5867 | -6.6 | 35 | 1.6 | 330.7 | 5829 | -6.8 | 55 | 2.5 | 333.3 | 5832 | 500 |
| 525 | -5.7 | 99 | 4.7 | 336.9 | 5450 | -4.1 | 55 | 3.0 | 333.5 | 5483 | -4.5 | 44 | 2.3 | 330.8 | 5446 | -5.1 | 74 | 3.7 | 334.5 | 5450 | 525 |
| 550 | -3.7 | 99 | 5.3 | 336.5 | 5083 | -1.8 | 53 | 3.2 | 332.7 | 5114 | -3.4 | 52 | 2.8 | 329.4 | 5078 | -3.0 | 69 | 3.8 | 333.0 | 5082 | 550 |
| 575 | -1.8 | 99 | 5.8 | 336.2 | 4730 | -1.0 | 64 | 3.9 | 331.5 | 4759 | -1.0 | 53 | 3.3 | 329.5 | 4725 | -.7 | 51 | 3.3 | 329.9 | 4729 | 575 |
| 600 | .2 | 93 | 6.0 | 335.3 | 4390 | .8 | 67 | 4.5 | 331.5 | 4418 | 1.5 | 52 | 3.7 | 329.9 | 4383 | .3 | 58 | 3.8 | 328.6 | 4388 | 600 |
| 625 | 2.6 | 74 | 5.4 | 332.5 | 4060 | 3.2 | 66 | 5.1 | 332.1 | 4089 | 2.6 | 47 | 3.5 | 326.6 | 4054 | 2.7 | 44 | 3.2 | 325.9 | 4059 | 625 |
| 650 | 4.6 | 71 | 5.8 | 332.2 | 3741 | 5.4 | 65 | 5.6 | 332.7 | 3769 | 5.0 | 47 | 4.0 | 327.3 | 3735 | 5.0 | 42 | 3.5 | 325.9 | 3740 | 650 |
| 675 | 5.7 | 85 | 7.3 | 334.4 | 3432 | 7.0 | 63 | 5.8 | 331.7 | 3459 | 7.4 | 47 | 4.5 | 328.2 | 3425 | 7.2 | 47 | 4.4 | 327.7 | 3430 | 675 |
| 700 | 8.4 | 79 | 7.8 | 335.5 | 3133 | 9.4 | 60 | 6.3 | 332.5 | 3158 | 9.7 | 47 | 5.1 | 329.1 | 3124 | 8.7 | 40 | 4.0 | 324.9 | 3130 | 700 |
| 725 | 10.2 | 73 | 7.9 | 334.6 | 2841 | 12.2 | 57 | 7.0 | 334.4 | 2865 | 11.9 | 47 | 5.7 | 330.1 | 2832 | 10.0 | 45 | 4.8 | 325.3 | 2839 | 725 |
| 750 | 11.7 | 72 | 8.3 | 334.2 | 2558 | 14.1 | 58 | 7.8 | 335.8 | 2580 | 13.0 | 51 | 6.4 | 330.5 | 2547 | 11.1 | 59 | 6.6 | 328.7 | 2556 | 750 |
| 775 | 13.7 | 71 | 9.1 | 335.8 | 2282 | 14.3 | 67 | 8.9 | 336.0 | 2302 | 13.3 | 59 | 7.3 | 330.2 | 2271 | 12.3 | 73 | 8.4 | 332.2 | 2282 | 775 |
| 800 | 14.3 | 74 | 9.5 | 334.7 | 2013 | 14.8 | 73 | 9.8 | 336.0 | 2033 | 14.8 | 66 | 8.8 | 333.3 | 2003 | 13.3 | 86 | 10.4 | 335.9 | 2014 | 800 |
| 825 | 14.9 | 77 | 10.0 | 333.6 | 1752 | 16.0 | 74 | 10.3 | 336.0 | 1772 | 14.2 | 76 | 9.4 | 331.2 | 1742 | 15.0 | 84 | 11.0 | 336.6 | 1754 | 825 |
| 850 | 15.9 | 78 | 10.5 | 333.4 | 1499 | 17.2 | 75 | 10.9 | 336.2 | 1517 | 15.9 | 75 | 10.1 | 332.3 | 1489 | 16.9 | 77 | 11.1 | 336.2 | 1499 | 850 |
| 875 | 17.8 | 76 | 11.3 | 335.0 | 1251 | 18.3 | 76 | 11.5 | 336.3 | 1268 | 17.8 | 73 | 10.8 | 333.7 | 1241 | 18.7 | 71 | 11.0 | 335.4 | 1251 | 875 |
| 900 | 19.7 | 74 | 12.0 | 336.5 | 1008 | 19.4 | 77 | 12.1 | 336.5 | 1026 | 19.5 | 67 | 10.6 | 332.5 | 999 | 20.1 | 72 | 12.0 | 337.0 | 1008 | 900 |
| 925 | 21.5 | 72 | 12.7 | 338.1 | 771 | 21.4 | 83 | 14.6 | 343.0 | 788 | 21.1 | 61 | 10.5 | 331.3 | 762 | 21.2 | 81 | 14.0 | 341.1 | 770 | 925 |
| 950 | 23.0 | 73 | 13.8 | 340.1 | 538 | 23.0 | 82 | 15.5 | 344.6 | 555 | 22.1 | 61 | 10.9 | 331.1 | 530 | 22.3 | 89 | 16.0 | 345.4 | 538 | 950 |
| 975 | 23.9 | 81 | 15.6 | 343.6 | 310 | 24.5 | 78 | 15.7 | 344.5 | 328 | 23.1 | 62 | 11.3 | 330.9 | 303 | 24.0 | 88 | 17.3 | 348.3 | 310 | 975 |
| 1000 | 24.7 | 88 | 17.5 | 347.1 | 88 | 27.3 | 76 | 17.6 | 350.6 | 104 | 26.4 | 68 | 14.8 | 342.0 | 81 | 26.2 | 82 | 17.7 | 349.6 | 87 | 1000 |
| SFC. | 25.0 | 91 | 18.3 | 348.5 | 0 | 28.5 | 75 | 18.5 | 353.5 | 0 | 28.5 | 72 | 17.8 | 351.8 | 0 | 27.0 | 79 | 17.8 | 350.0 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1010.0 | | SURFACE PRESSURE | | | 1011.7 | | SURFACE PRESSURE | | | 1009.2 | | SURFACE PRESSURE | | | 1009.8 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/25 1125 GMT T | RH | W | EPT | H | 3/25 1818 GMT T | RH | W | EPT | H | 3/25 2337 GMT T | RH | W | EPT | H | 3/26 620 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.4 | 0 | 0.0 | 464.6 | 19518 | -59.9 | 0 | 0.0 | 476.8 | 19512 | -62.4 | 0 | 0.0 | 471.2 | 19573 | -64.5 | 0 | 0.0 | 466.5 | 19507 | 60 |
| 70 | -67.7 | 0 | 0.0 | 439.6 | 18586 | -69.6 | 14 | .0 | 435.5 | 18578 | -68.1 | 0 | 0.0 | 438.6 | 18635 | -71.8 | 26 | .0 | 430.9 | 18575 | 70 |
| 80 | -75.4 | 25 | .0 | 407.3 | 17796 | -71.2 | 15 | .0 | 415.9 | 17785 | -71.3 | 15 | .0 | 415.7 | 17839 | -74.2 | 27 | .0 | 409.8 | 17789 | 80 |
| 90 | -76.0 | 25 | .0 | 392.6 | 17115 | -73.4 | 15 | .0 | 397.8 | 17091 | -74.5 | 16 | .0 | 395.6 | 17148 | -76.5 | 28 | .0 | 391.6 | 17107 | 90 |
| 100 | -76.5 | 25 | .0 | 380.0 | 16507 | -76.3 | 15 | .0 | 380.3 | 16479 | -75.0 | 16 | .0 | 382.9 | 16538 | -77.3 | 25 | .0 | 378.4 | 16499 | 100 |
| 110 | -73.8 | 25 | .0 | 374.8 | 15955 | -74.1 | 16 | .0 | 374.2 | 15926 | -72.5 | 16 | .0 | 377.3 | 15982 | -75.1 | 25 | .0 | 372.3 | 15949 | 110 |
| 120 | -75.5 | 25 | .0 | 362.4 | 15448 | -73.9 | 16 | .0 | 365.4 | 15419 | -73.3 | 15 | .0 | 366.6 | 15471 | -74.7 | 25 | .0 | 364.0 | 15443 | 120 |
| 130 | -75.1 | 24 | .0 | 355.0 | 14985 | -75.4 | 16 | .0 | 354.5 | 14954 | -74.0 | 15 | .0 | 357.0 | 15004 | -74.7 | 24 | .0 | 355.7 | 14978 | 130 |
| 140 | -72.0 | 25 | .0 | 353.0 | 14552 | -72.4 | 17 | .0 | 352.3 | 14522 | -70.4 | 15 | .0 | 355.8 | 14568 | -72.2 | 24 | .0 | 352.6 | 14545 | 140 |
| 150 | -68.3 | 24 | .0 | 352.5 | 14142 | -68.8 | 17 | .0 | 351.5 | 14112 | -67.1 | 15 | .0 | 354.5 | 14155 | -69.3 | 25 | .0 | 350.7 | 14136 | 150 |
| 160 | -65.1 | 23 | .0 | 351.4 | 13751 | -65.5 | 16 | .0 | 350.7 | 13723 | -64.0 | 15 | .0 | 353.3 | 13762 | -66.6 | 25 | .0 | 348.9 | 13749 | 160 |
| 170 | -63.3 | 23 | .0 | 348.5 | 13380 | -62.4 | 16 | .0 | 349.9 | 13352 | -62.0 | 15 | .0 | 350.6 | 13389 | -62.8 | 25 | .0 | 349.2 | 13378 | 170 |
| 180 | -61.5 | 23 | .0 | 345.7 | 13027 | -60.5 | 16 | .0 | 347.3 | 12997 | -60.7 | 15 | .0 | 347.0 | 13034 | -59.6 | 25 | .0 | 348.8 | 13024 | 180 |
| 190 | -58.5 | 23 | .0 | 345.3 | 12690 | -59.3 | 17 | .0 | 343.9 | 12659 | -57.9 | 15 | .0 | 346.1 | 12696 | -57.6 | 25 | .0 | 346.7 | 12684 | 190 |
| 200 | -55.6 | 24 | .0 | 344.9 | 12365 | -56.4 | 16 | .0 | 343.6 | 12336 | -55.3 | 16 | .0 | 345.3 | 12370 | -55.8 | 24 | .0 | 344.6 | 12359 | 200 |
| 225 | -48.9 | 25 | .0 | 343.8 | 11603 | -49.6 | 15 | .0 | 342.6 | 11577 | -48.9 | 16 | .0 | 343.7 | 11608 | -49.4 | 23 | .0 | 343.0 | 11599 | 225 |
| 250 | -43.0 | 26 | .1 | 342.6 | 10902 | -43.6 | 14 | .0 | 341.4 | 10878 | -42.9 | 16 | .1 | 342.5 | 10907 | -43.0 | 22 | .1 | 342.5 | 10899 | 250 |
| 275 | -37.6 | 27 | .1 | 341.4 | 10252 | -39.0 | 16 | .1 | 339.1 | 10231 | -37.5 | 15 | .1 | 341.3 | 10257 | -36.9 | 20 | .1 | 342.2 | 10248 | 275 |
| 300 | -32.5 | 26 | .2 | 340.5 | 9645 | -33.9 | 19 | .1 | 338.2 | 9628 | -32.5 | 15 | .1 | 340.1 | 9650 | -31.5 | 19 | .2 | 341.8 | 9639 | 300 |
| 325 | -27.5 | 25 | .3 | 340.0 | 9075 | -29.2 | 21 | .2 | 337.3 | 9061 | -28.3 | 19 | .2 | 338.6 | 9081 | -27.3 | 20 | .3 | 340.1 | 9067 | 325 |
| 350 | -23.0 | 23 | .4 | 339.4 | 8537 | -25.0 | 24 | .3 | 336.4 | 8527 | -24.4 | 24 | .4 | 337.3 | 8545 | -23.8 | 22 | .4 | 338.1 | 8530 | 350 |
| 375 | -21.1 | 54 | 1.0 | 337.4 | 8030 | -21.4 | 28 | .5 | 335.3 | 8022 | -20.7 | 27 | .5 | 336.2 | 8038 | -20.5 | 24 | .5 | 336.3 | 8022 | 375 |
| 400 | -18.2 | 76 | 1.7 | 337.5 | 7550 | -18.0 | 32 | .7 | 334.4 | 7543 | -17.3 | 31 | .8 | 335.3 | 7558 | -18.2 | 33 | .8 | 334.1 | 7542 | 400 |
| 425 | -14.9 | 56 | 1.6 | 335.5 | 7094 | -14.2 | 17 | .5 | 332.6 | 7086 | -13.2 | 23 | .8 | 334.8 | 7100 | -14.7 | 39 | 1.1 | 334.2 | 7086 | 425 |
| 450 | -12.3 | 70 | 2.3 | 335.7 | 6659 | -12.7 | 17 | .5 | 329.3 | 6652 | -10.5 | 19 | .7 | 332.8 | 6662 | -11.4 | 41 | 1.5 | 334.1 | 6651 | 450 |
| 475 | -10.3 | 74 | 2.7 | 334.4 | 6244 | -9.5 | 15 | .6 | 328.5 | 6237 | -8.0 | 16 | .7 | 330.7 | 6244 | -8.5 | 33 | 1.4 | 332.5 | 6234 | 475 |
| 500 | -8.0 | 59 | 2.5 | 331.6 | 5847 | -7.0 | 24 | 1.1 | 328.3 | 5839 | -5.5 | 14 | .7 | 329.0 | 5844 | -5.7 | 26 | 1.3 | 330.6 | 5834 | 500 |
| 525 | -6.2 | 99 | 4.5 | 335.7 | 5466 | -5.5 | 44 | 2.1 | 329.0 | 5457 | -3.0 | 20 | 1.2 | 329.0 | 5459 | -5.1 | 42 | 2.1 | 329.4 | 5451 | 525 |
| 550 | -2.9 | 60 | 3.4 | 331.7 | 5099 | -3.0 | 37 | 2.1 | 327.5 | 5090 | -.7 | 26 | 1.7 | 329.2 | 5089 | -3.1 | 46 | 2.5 | 328.9 | 5084 | 550 |
| 575 | -.9 | 46 | 2.9 | 328.4 | 4745 | -.3 | 25 | 1.6 | 325.2 | 4736 | 1.3 | 29 | 2.1 | 328.6 | 4733 | -1.2 | 50 | 3.0 | 328.6 | 4730 | 575 |
| 600 | .1 | 74 | 4.7 | 331.3 | 4405 | 1.4 | 35 | 2.4 | 325.8 | 4395 | 1.5 | 46 | 3.2 | 328.5 | 4390 | .1 | 83 | 5.4 | 333.2 | 4389 | 600 |
| 625 | 2.8 | 65 | 4.9 | 331.1 | 4075 | 2.9 | 48 | 3.6 | 327.4 | 4065 | 3.5 | 54 | 4.2 | 330.1 | 4060 | 1.9 | 87 | 6.1 | 333.5 | 4061 | 625 |
| 650 | 5.4 | 57 | 4.9 | 330.5 | 3756 | 4.7 | 51 | 4.2 | 327.5 | 3746 | 5.3 | 41 | 3.5 | 326.3 | 3741 | 3.9 | 72 | 5.6 | 330.9 | 3742 | 650 |
| 675 | 7.4 | 51 | 4.9 | 329.4 | 3446 | 6.9 | 41 | 3.8 | 325.7 | 3437 | 7.7 | 46 | 4.5 | 328.5 | 3431 | 7.0 | 33 | 3.1 | 323.5 | 3433 | 675 |
| 700 | 8.9 | 48 | 4.9 | 327.8 | 3146 | 8.9 | 42 | 4.2 | 325.7 | 3137 | 9.4 | 48 | 5.1 | 328.8 | 3130 | 8.7 | 45 | 4.6 | 326.5 | 3134 | 700 |
| 725 | 10.3 | 54 | 5.9 | 328.9 | 2854 | 10.7 | 44 | 4.9 | 326.3 | 2845 | 10.9 | 45 | 5.0 | 327.2 | 2838 | 10.7 | 66 | 7.3 | 333.7 | 2842 | 725 |
| 750 | 11.8 | 72 | 8.3 | 334.5 | 2571 | 12.0 | 50 | 5.9 | 327.7 | 2562 | 12.0 | 58 | 6.8 | 330.4 | 2554 | 11.1 | 63 | 7.0 | 329.8 | 2559 | 750 |
| 775 | 13.5 | 75 | 9.5 | 336.7 | 2295 | 12.7 | 62 | 7.4 | 329.9 | 2287 | 13.0 | 71 | 8.7 | 333.8 | 2279 | 12.8 | 73 | 8.7 | 333.7 | 2284 | 775 |
| 800 | 15.2 | 78 | 10.6 | 338.8 | 2026 | 14.2 | 66 | 8.4 | 331.2 | 2019 | 14.0 | 67 | 8.4 | 331.1 | 2011 | 14.4 | 74 | 9.5 | 334.8 | 2015 | 800 |
| 825 | 16.4 | 81 | 11.6 | 340.1 | 1764 | 15.6 | 69 | 9.3 | 332.7 | 1758 | 15.3 | 68 | 9.0 | 331.4 | 1750 | 15.9 | 68 | 9.4 | 333.2 | 1754 | 825 |
| 850 | 17.5 | 85 | 12.7 | 341.4 | 1508 | 16.9 | 71 | 10.2 | 333.9 | 1503 | 16.9 | 72 | 10.3 | 334.0 | 1496 | 16.6 | 83 | 11.6 | 337.3 | 1499 | 850 |
| 875 | 18.6 | 88 | 13.7 | 342.8 | 1259 | 17.8 | 72 | 10.6 | 333.2 | 1255 | 18.3 | 74 | 11.3 | 335.6 | 1247 | 17.2 | 81 | 11.5 | 334.8 | 1252 | 875 |
| 900 | 19.7 | 92 | 14.8 | 344.3 | 1016 | 18.6 | 73 | 11.1 | 332.7 | 1013 | 19.7 | 75 | 12.1 | 336.8 | 1005 | 19.1 | 79 | 12.3 | 336.5 | 1010 | 900 |
| 925 | 21.0 | 93 | 15.9 | 346.1 | 778 | 19.7 | 75 | 11.9 | 333.5 | 777 | 21.0 | 69 | 11.7 | 334.7 | 768 | 21.4 | 77 | 13.5 | 340.0 | 772 | 925 |
| 950 | 23.0 | 89 | 16.9 | 348.6 | 546 | 21.4 | 79 | 13.5 | 337.3 | 546 | 22.9 | 64 | 12.0 | 334.9 | 536 | 23.6 | 76 | 14.8 | 343.6 | 540 | 950 |
| 975 | 25.0 | 86 | 17.8 | 351.0 | 317 | 23.7 | 78 | 14.9 | 341.4 | 319 | 25.2 | 63 | 13.2 | 338.5 | 308 | 25.8 | 74 | 16.1 | 347.3 | 311 | 975 |
| 1000 | 26.9 | 82 | 18.7 | 353.3 | 93 | 26.3 | 74 | 16.2 | 345.6 | 96 | 27.2 | 61 | 14.0 | 340.7 | 84 | 27.9 | 73 | 17.4 | 351.1 | 86 | 1000 |
| SFC. | 27.7 | 81 | 19.1 | 354.3 | 0 | 27.5 | 72 | 16.7 | 347.4 | 0 | 28.0 | 60 | 14.3 | 341.6 | 0 | 28.7 | 72 | 18.0 | 352.6 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1010.9 | | | | | SURFACE PRESSURE 1009.5 | | | | | SURFACE PRESSURE 1009.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/26 1115 GMT T | RH | W | EPT | H | 3/26 2350 GMT T | RH | W | EPT | H | 3/27 552 GMT T | RH | W | EPT | H | 3/27 1150 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.2 | 0 | 0.0 | 460.5 | 19534 | -65.6 | 0 | 0.0 | 464.0 | 19575 | -67.9 | 0 | 0.0 | 458.9 | 19551 | -66.1 | 0 | 0.0 | 463.1 | 19537 | 60 |
| 70 | -71.5 | 0 | 0.0 | 431.5 | 18611 | -70.4 | 0 | 0.0 | 433.7 | 18648 | -69.2 | 0 | 0.0 | 436.4 | 18624 | -71.7 | 0 | 0.0 | 431.0 | 18612 | 70 |
| 80 | -69.0 | 0 | 0.0 | 420.3 | 17818 | -69.8 | 0 | 0.0 | 418.8 | 17854 | -73.0 | 18 | .0 | 412.2 | 17833 | -74.5 | 0 | 0.0 | 409.2 | 17830 | 80 |
| 90 | -76.6 | 0 | 0.0 | 391.4 | 17125 | -75.7 | 16 | .0 | 393.1 | 17166 | -76.6 | 18 | .0 | 391.3 | 17149 | -78.9 | 16 | .0 | 386.8 | 17150 | 90 |
| 100 | -77.8 | 20 | .0 | 377.4 | 16521 | -77.0 | 17 | .0 | 379.0 | 16558 | -78.0 | 20 | .0 | 377.1 | 16545 | -79.6 | 16 | .0 | 374.0 | 16555 | 100 |
| 110 | -74.7 | 19 | .0 | 373.0 | 15971 | -73.1 | 17 | .0 | 376.2 | 16005 | -74.4 | 19 | .0 | 373.7 | 15995 | -75.3 | 16 | .0 | 372.0 | 16009 | 110 |
| 120 | -72.5 | 19 | .0 | 368.0 | 15462 | -69.5 | 17 | .0 | 373.5 | 15491 | -71.2 | 18 | .0 | 370.4 | 15485 | -71.3 | 15 | .0 | 370.1 | 15500 | 120 |
| 130 | -72.4 | 19 | .0 | 359.8 | 14992 | -70.0 | 17 | .0 | 364.1 | 15013 | -70.0 | 18 | .0 | 364.2 | 15009 | -72.3 | 15 | .0 | 360.0 | 15027 | 130 |
| 140 | -72.3 | 19 | .0 | 352.4 | 14556 | -70.0 | 17 | .0 | 356.5 | 14572 | -70.5 | 18 | .0 | 355.6 | 14569 | -71.6 | 15 | .0 | 353.6 | 14590 | 140 |
| 150 | -69.7 | 19 | .0 | 350.1 | 14148 | -69.3 | 17 | .0 | 350.7 | 14162 | -68.6 | 18 | .0 | 351.9 | 14158 | -68.7 | 15 | .0 | 351.8 | 14180 | 150 |
| 160 | -66.6 | 18 | .0 | 348.9 | 13761 | -66.2 | 17 | .0 | 349.6 | 13774 | -66.7 | 18 | .0 | 348.8 | 13769 | -65.3 | 15 | .0 | 351.0 | 13791 | 160 |
| 170 | -63.7 | 18 | .0 | 347.7 | 13391 | -63.2 | 17 | .0 | 348.6 | 13403 | -63.6 | 18 | .0 | 347.9 | 13400 | -62.2 | 15 | .0 | 350.2 | 13419 | 170 |
| 180 | -61.0 | 18 | .0 | 346.5 | 13039 | -60.4 | 16 | .0 | 347.5 | 13050 | -60.7 | 18 | .0 | 347.1 | 13047 | -59.8 | 15 | .0 | 348.5 | 13064 | 180 |
| 190 | -58.4 | 17 | .0 | 345.3 | 12701 | -57.7 | 16 | .0 | 346.4 | 12711 | -57.9 | 17 | .0 | 346.2 | 12708 | -58.1 | 16 | .0 | 345.9 | 12725 | 190 |
| 200 | -56.0 | 17 | .0 | 344.2 | 12376 | -55.2 | 16 | .0 | 345.4 | 12385 | -55.3 | 17 | .0 | 345.4 | 12383 | -55.4 | 15 | .0 | 345.1 | 12399 | 200 |
| 225 | -49.2 | 17 | .0 | 343.3 | 11616 | -48.8 | 15 | .0 | 343.9 | 11623 | -48.7 | 16 | .0 | 344.0 | 11620 | -49.0 | 13 | .0 | 343.6 | 11638 | 225 |
| 250 | -43.1 | 17 | .1 | 342.2 | 10915 | -42.9 | 14 | .0 | 342.5 | 10921 | -43.3 | 15 | .0 | 341.9 | 10919 | -42.9 | 12 | .0 | 342.4 | 10937 | 250 |
| 275 | -37.6 | 18 | .1 | 341.1 | 10265 | -36.8 | 14 | .1 | 342.3 | 10270 | -38.4 | 14 | .1 | 339.9 | 10271 | -37.5 | 11 | .1 | 341.2 | 10286 | 275 |
| 300 | -32.6 | 18 | .1 | 340.0 | 9659 | -31.1 | 14 | .1 | 342.2 | 9660 | -33.3 | 14 | .1 | 338.9 | 9666 | -32.5 | 10 | .1 | 340.0 | 9680 | 300 |
| 325 | -28.0 | 18 | .2 | 338.9 | 9090 | -26.6 | 14 | .2 | 340.8 | 9088 | -28.5 | 14 | .2 | 338.1 | 9098 | -27.7 | 10 | .1 | 339.0 | 9110 | 325 |
| 350 | -23.8 | 18 | .3 | 337.9 | 8553 | -22.4 | 15 | .3 | 339.6 | 8548 | -24.0 | 13 | .2 | 337.3 | 8562 | -23.2 | 10 | .2 | 338.2 | 8572 | 350 |
| 375 | -20.3 | 23 | .5 | 336.5 | 8045 | -18.6 | 15 | .4 | 338.4 | 8037 | -19.8 | 13 | .3 | 336.5 | 8055 | -19.5 | 10 | .2 | 336.6 | 8063 | 375 |
| 400 | -17.1 | 27 | .7 | 335.3 | 7564 | -16.3 | 16 | .4 | 335.5 | 7554 | -15.9 | 13 | .4 | 335.7 | 7572 | -16.9 | 14 | .4 | 334.4 | 7581 | 400 |
| 425 | -14.7 | 46 | 1.3 | 334.9 | 7108 | -13.2 | 17 | .6 | 334.1 | 7095 | -13.0 | 13 | .4 | 333.9 | 7113 | -15.3 | 24 | .7 | 331.9 | 7124 | 425 |
| 450 | -11.4 | 49 | 1.7 | 335.0 | 6672 | -10.6 | 21 | .8 | 332.8 | 6657 | -10.2 | 12 | .5 | 332.2 | 6675 | -11.9 | 27 | .9 | 331.5 | 6690 | 450 |
| 475 | -8.2 | 27 | 1.2 | 331.9 | 6255 | -9.4 | 28 | 1.1 | 330.3 | 6241 | -8.9 | 49 | 2.0 | 333.9 | 6257 | -8.6 | 28 | 1.2 | 331.6 | 6273 | 475 |
| 500 | -5.8 | 17 | .8 | 329.0 | 5855 | -6.1 | 23 | 1.1 | 329.6 | 5842 | -5.8 | 25 | 1.3 | 330.4 | 5857 | -5.5 | 30 | 1.5 | 331.7 | 5873 | 500 |
| 525 | -3.6 | 23 | 1.3 | 328.6 | 5471 | -2.5 | 17 | 1.0 | 329.1 | 5458 | -3.3 | 26 | 1.5 | 329.7 | 5473 | -2.5 | 32 | 1.9 | 332.1 | 5488 | 525 |
| 550 | -1.6 | 33 | 2.0 | 329.0 | 5102 | -1.5 | 20 | 1.2 | 326.6 | 5088 | -.9 | 27 | 1.8 | 329.1 | 5104 | .4 | 33 | 2.4 | 332.6 | 5117 | 550 |
| 575 | .3 | 42 | 2.8 | 329.8 | 4746 | .6 | 19 | 1.3 | 325.4 | 4733 | 1.3 | 28 | 2.1 | 328.6 | 4747 | 1.5 | 51 | 3.7 | 334.0 | 4759 | 575 |
| 600 | 2.1 | 51 | 3.8 | 330.8 | 4404 | 2.2 | 27 | 2.0 | 325.5 | 4390 | 3.5 | 29 | 2.4 | 328.2 | 4403 | 2.6 | 40 | 3.0 | 329.1 | 4416 | 600 |
| 625 | 3.1 | 68 | 5.2 | 332.6 | 4073 | 4.8 | 29 | 2.5 | 326.2 | 4059 | 5.5 | 30 | 2.7 | 327.9 | 4071 | 5.4 | 39 | 3.5 | 330.0 | 4084 | 625 |
| 650 | 6.4 | 26 | 2.4 | 324.2 | 3753 | 7.2 | 31 | 3.1 | 327.2 | 3738 | 6.8 | 73 | 6.9 | 338.2 | 3749 | 7.3 | 50 | 4.9 | 332.9 | 3762 | 650 |
| 675 | 7.6 | 33 | 3.1 | 324.3 | 3443 | 9.1 | 33 | 3.5 | 327.1 | 3426 | 9.9 | 28 | 3.1 | 326.9 | 3437 | 9.1 | 25 | 2.6 | 324.5 | 3450 | 675 |
| 700 | 8.9 | 46 | 4.7 | 327.1 | 3143 | 9.8 | 43 | 4.7 | 328.3 | 3125 | 11.8 | 15 | 1.9 | 321.9 | 3134 | 9.8 | 52 | 5.7 | 331.0 | 3149 | 700 |
| 725 | 10.2 | 59 | 6.3 | 330.1 | 2851 | 10.8 | 44 | 5.0 | 326.9 | 2833 | 10.6 | 85 | 9.5 | 339.6 | 2842 | 10.8 | 86 | 9.7 | 340.6 | 2856 | 725 |
| 750 | 11.4 | 71 | 8.1 | 333.4 | 2568 | 12.2 | 57 | 6.7 | 330.4 | 2549 | 12.2 | 84 | 10.1 | 340.1 | 2558 | 13.1 | 82 | 10.4 | 342.2 | 2571 | 750 |
| 775 | 12.7 | 83 | 9.9 | 336.9 | 2293 | 13.8 | 57 | 7.4 | 331.0 | 2273 | 13.8 | 84 | 10.7 | 340.6 | 2281 | 15.3 | 78 | 11.1 | 343.7 | 2294 | 775 |
| 800 | 14.2 | 85 | 10.9 | 338.3 | 2025 | 15.2 | 60 | 8.1 | 331.7 | 2004 | 15.2 | 83 | 11.4 | 341.1 | 2012 | 14.6 | 89 | 11.8 | 341.4 | 2023 | 800 |
| 825 | 15.7 | 87 | 11.9 | 339.9 | 1763 | 15.7 | 67 | 9.2 | 332.2 | 1743 | 16.4 | 85 | 12.2 | 341.6 | 1750 | 16.5 | 90 | 13.0 | 344.0 | 1761 | 825 |
| 850 | 17.1 | 89 | 12.9 | 341.5 | 1508 | 16.4 | 73 | 10.0 | 332.7 | 1489 | 17.5 | 87 | 12.9 | 342.2 | 1494 | 18.3 | 91 | 14.3 | 346.8 | 1505 | 850 |
| 875 | 18.5 | 91 | 14.0 | 343.3 | 1259 | 17.8 | 71 | 10.5 | 332.9 | 1241 | 18.6 | 88 | 13.7 | 342.8 | 1245 | 20.0 | 92 | 15.6 | 349.8 | 1254 | 875 |
| 900 | 19.8 | 92 | 15.1 | 345.2 | 1016 | 19.3 | 69 | 10.9 | 333.1 | 999 | 19.7 | 90 | 14.5 | 343.5 | 1002 | 21.7 | 92 | 17.0 | 353.0 | 1009 | 900 |
| 925 | 21.1 | 94 | 16.3 | 347.3 | 778 | 20.7 | 68 | 11.4 | 333.3 | 762 | 21.2 | 90 | 15.7 | 345.7 | 764 | 23.3 | 93 | 18.5 | 356.4 | 770 | 925 |
| 950 | 23.2 | 89 | 17.1 | 349.4 | 545 | 22.6 | 66 | 12.1 | 335.0 | 530 | 24.1 | 87 | 17.5 | 351.8 | 531 | 24.9 | 94 | 20.0 | 359.9 | 535 | 950 |
| 975 | 25.2 | 85 | 17.8 | 351.3 | 316 | 24.5 | 64 | 12.8 | 336.8 | 302 | 25.1 | 86 | 18.1 | 352.0 | 302 | 26.1 | 89 | 19.8 | 358.1 | 305 | 975 |
| 1000 | 27.2 | 80 | 18.4 | 353.0 | 92 | 27.5 | 67 | 15.7 | 345.9 | 79 | 26.1 | 86 | 18.7 | 352.3 | 78 | 27.3 | 84 | 19.5 | 356.0 | 80 | 1000 |
| SFC. | 28.0 | 78 | 18.7 | 353.6 | 0 | 29.0 | 70 | 17.8 | 352.6 | 0 | 26.5 | 86 | 18.9 | 352.4 | 0 | 27.7 | 82 | 19.4 | 355.2 | 0 | SFC. |
| | SURFACE PRESSURE 1010.4 | | | | | SURFACE PRESSURE 1008.9 | | | | | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1009.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/28 135 GMT T | RH | W | EPT | H | 3/28 6 8 GMT T | RH | W | EPT | H | 3/28 19 8 GMT T | RH | W | EPT | H | 3/28 2347 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 20 | .0 | 453.6 | 19460 | -68.3 | 0 | 0.0 | 458.0 | 19546 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.5 | 20 | .0 | 433.6 | 18545 | -71.9 | 0 | 0.0 | 430.6 | 18630 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.5 | 21 | .0 | 407.1 | 17761 | -75.0 | 0 | 0.0 | 408.0 | 17849 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.1 | 20 | .0 | 392.4 | 17080 | -77.1 | 17 | .0 | 390.5 | 17169 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -77.9 | 18 | .0 | 377.2 | 16565 | -80.0 | 20 | .0 | 373.2 | 16483 | -78.6 | 17 | .0 | 376.0 | 16566 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -74.8 | 19 | .0 | 372.9 | 16015 | -77.2 | 20 | .0 | 368.5 | 15939 | -76.4 | 17 | .0 | 370.0 | 16021 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -73.8 | 19 | .0 | 365.6 | 15509 | -75.4 | 20 | .0 | 362.7 | 15437 | -74.0 | 16 | .0 | 365.2 | 15516 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -72.9 | 19 | .0 | 358.9 | 15040 | -73.8 | 20 | .0 | 357.4 | 14972 | -72.5 | 16 | .0 | 359.7 | 15048 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -71.1 | 19 | .0 | 354.5 | 14604 | -72.3 | 20 | .0 | 352.5 | 14538 | -70.9 | 16 | .0 | 355.0 | 14611 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.1 | 18 | .0 | 352.7 | 14193 | -69.6 | 20 | .0 | 350.2 | 14130 | -67.8 | 17 | .0 | 353.3 | 14199 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.3 | 18 | .0 | 351.0 | 13803 | -66.4 | 20 | .0 | 349.3 | 13742 | -64.9 | 17 | .0 | 351.8 | 13808 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.5 | 18 | .0 | 349.7 | 13432 | -63.3 | 20 | .0 | 348.4 | 13372 | -61.9 | 17 | .0 | 350.8 | 13436 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.7 | 18 | .0 | 348.7 | 13077 | -60.4 | 20 | .0 | 347.5 | 13018 | -59.0 | 18 | .0 | 349.7 | 13080 | -58.4 | 0 | 0.0 | 350.7 | 13092 | 180 |
| 190 | -57.0 | 18 | .0 | 347.7 | 12736 | -57.5 | 20 | .0 | 346.8 | 12679 | -56.3 | 18 | .0 | 348.7 | 12738 | -55.9 | 0 | 0.0 | 349.4 | 12750 | 190 |
| 200 | -54.4 | 18 | .0 | 346.7 | 12410 | -54.8 | 20 | .0 | 346.2 | 12353 | -53.8 | 18 | .0 | 347.7 | 12411 | -53.5 | 0 | 0.0 | 348.1 | 12422 | 200 |
| 225 | -48.5 | 18 | .0 | 344.3 | 11645 | -48.5 | 21 | .0 | 344.4 | 11589 | -47.6 | 16 | .0 | 345.8 | 11643 | -46.8 | 0 | 0.0 | 346.8 | 11653 | 225 |
| 250 | -42.7 | 17 | .1 | 342.8 | 10943 | -43.1 | 20 | .1 | 342.4 | 10887 | -42.0 | 14 | .1 | 343.9 | 10939 | -40.1 | 0 | 0.0 | 346.5 | 10944 | 250 |
| 275 | -37.2 | 16 | .1 | 341.8 | 10292 | -38.2 | 19 | .1 | 340.4 | 10238 | -36.2 | 14 | .1 | 343.1 | 10286 | -33.9 | M | M | M | 10285 | 275 |
| 300 | -31.7 | 15 | .1 | 341.2 | 9684 | -33.7 | 18 | .1 | 338.5 | 9634 | -31.0 | 14 | .1 | 342.3 | 9675 | -29.1 | M | M | M | 9669 | 300 |
| 325 | -27.6 | 15 | .2 | 339.4 | 9113 | -29.6 | 17 | .2 | 336.7 | 9068 | -26.2 | 13 | .2 | 341.3 | 9102 | -25.3 | M | M | M | 9092 | 325 |
| 350 | -23.0 | 14 | .2 | 338.8 | 8574 | -25.7 | 21 | .3 | 335.2 | 8535 | -22.2 | 13 | .2 | 339.8 | 8561 | -21.6 | M | M | M | 8550 | 350 |
| 375 | -19.8 | 15 | .3 | 336.6 | 8066 | -22.3 | 42 | .7 | 334.7 | 8031 | -19.1 | 14 | .3 | 337.5 | 8051 | -18.0 | M | M | M | 8038 | 375 |
| 400 | -16.8 | 22 | .6 | 335.3 | 7584 | -18.7 | 24 | .5 | 332.7 | 7554 | -17.3 | 15 | .4 | 333.9 | 7569 | -14.0 | M | M | M | 7552 | 400 |
| 425 | -13.2 | 21 | .7 | 334.6 | 7125 | -15.6 | 24 | .7 | 331.4 | 7099 | -14.1 | 20 | .6 | 333.2 | 7111 | -10.5 | M | M | M | 7089 | 425 |
| 450 | -9.8 | 20 | .8 | 333.9 | 6687 | -12.6 | 25 | .8 | 330.3 | 6665 | -11.1 | 25 | .9 | 332.7 | 6675 | -8.7 | M | M | M | 6648 | 450 |
| 475 | -6.6 | 19 | .9 | 333.2 | 6267 | -9.7 | 26 | 1.0 | 329.6 | 6250 | -8.3 | 27 | 1.2 | 331.9 | 6257 | -5.6 | M | M | M | 6226 | 475 |
| 500 | -3.8 | 20 | 1.1 | 332.4 | 5864 | -6.6 | 27 | 1.3 | 329.4 | 5852 | -6.0 | 21 | 1.0 | 329.3 | 5858 | -4.9 | M | M | M | 5824 | 500 |
| 525 | -1.7 | 24 | 1.5 | 331.7 | 5478 | -3.7 | 29 | 1.6 | 329.4 | 5469 | -3.9 | 18 | 1.0 | 327.2 | 5474 | -1.7 | M | M | M | 5439 | 525 |
| 550 | -.2 | 28 | 1.9 | 330.5 | 5107 | -1.0 | 30 | 1.9 | 329.6 | 5099 | -2.0 | 28 | 1.7 | 327.5 | 5106 | 1.1 | M | M | M | 5067 | 550 |
| 575 | 2.3 | 24 | 1.9 | 329.2 | 4749 | 1.6 | 32 | 2.4 | 329.9 | 4743 | -.1 | 37 | 2.4 | 328.0 | 4751 | 2.7 | M | M | M | 4709 | 575 |
| 600 | 4.1 | 27 | 2.3 | 328.7 | 4404 | 4.2 | 33 | 2.8 | 330.4 | 4398 | 2.6 | 43 | 3.3 | 329.9 | 4409 | 4.1 | M | M | M | 4364 | 600 |
| 625 | 6.5 | 28 | 2.7 | 328.9 | 4071 | 6.2 | 37 | 3.5 | 331.0 | 4065 | 5.1 | 49 | 4.3 | 332.2 | 4077 | 5.5 | M | M | M | 4032 | 625 |
| 650 | 9.2 | 23 | 2.6 | 328.1 | 3748 | 7.3 | 40 | 3.9 | 329.9 | 3743 | 7.1 | 70 | 6.8 | 338.3 | 3755 | 6.9 | M | M | M | 3711 | 650 |
| 675 | 10.2 | 18 | 2.1 | 324.1 | 3435 | 9.5 | 26 | 2.9 | 325.7 | 3431 | 8.4 | 65 | 6.6 | 335.7 | 3443 | 8.0 | M | M | M | 3401 | 675 |
| 700 | 11.3 | 41 | 5.0 | 330.8 | 3132 | 10.7 | 39 | 4.5 | 328.7 | 3128 | 10.1 | 69 | 7.6 | 337.1 | 3141 | 9.0 | M | M | M | 3101 | 700 |
| 725 | 13.0 | 44 | 5.7 | 331.5 | 2838 | 11.0 | 80 | 9.1 | 339.1 | 2835 | 11.5 | 71 | 8.4 | 337.5 | 2848 | 10.0 | M | M | M | 2810 | 725 |
| 750 | 14.5 | 47 | 6.5 | 332.5 | 2552 | 12.6 | 73 | 8.9 | 337.3 | 2551 | 12.4 | 71 | 8.6 | 336.2 | 2563 | 11.0 | M | M | M | 2529 | 750 |
| 775 | 15.7 | 50 | 7.2 | 332.9 | 2274 | 13.6 | 59 | 7.5 | 331.2 | 2274 | 13.8 | 72 | 9.3 | 336.5 | 2287 | 12.8 | M | M | M | 2255 | 775 |
| 800 | 16.8 | 53 | 8.0 | 333.4 | 2003 | 14.9 | 65 | 8.7 | 333.0 | 2006 | 15.9 | 77 | 10.9 | 340.5 | 2018 | 14.9 | M | M | M | 1988 | 800 |
| 825 | 17.8 | 57 | 8.8 | 333.9 | 1740 | 16.0 | 71 | 9.9 | 334.8 | 1744 | 17.1 | 80 | 12.1 | 342.3 | 1755 | 16.4 | M | M | M | 1728 | 825 |
| 850 | 18.8 | 60 | 9.6 | 334.5 | 1484 | 17.2 | 76 | 11.2 | 336.8 | 1489 | 18.1 | 84 | 12.9 | 342.9 | 1499 | 17.5 | M | M | M | 1474 | 850 |
| 875 | 19.8 | 63 | 10.5 | 335.2 | 1234 | 18.3 | 82 | 12.5 | 338.9 | 1241 | 19.0 | 87 | 13.8 | 343.5 | 1249 | 18.6 | M | M | M | 1227 | 875 |
| 900 | 20.7 | 66 | 11.3 | 335.9 | 990 | 19.4 | 87 | 13.8 | 341.2 | 998 | 19.8 | 90 | 14.7 | 344.2 | 1006 | 19.7 | M | M | M | 986 | 900 |
| 925 | 22.3 | 68 | 12.6 | 338.7 | 752 | 20.4 | 92 | 15.2 | 343.6 | 760 | 20.7 | 93 | 15.6 | 345.0 | 768 | 20.7 | M | M | M | 750 | 925 |
| 950 | 24.0 | 68 | 13.7 | 341.2 | 519 | 22.4 | 91 | 16.6 | 347.2 | 528 | 22.0 | 88 | 15.6 | 343.9 | 536 | 21.7 | M | M | M | 521 | 950 |
| 975 | 26.0 | 64 | 14.0 | 341.9 | 290 | 24.6 | 89 | 18.0 | 351.1 | 300 | 23.3 | 83 | 15.5 | 342.6 | 309 | 22.7 | 93 | 16.8 | 345.4 | 294 | 975 |
| 1000 | 28.5 | 59 | 14.7 | 344.4 | 66 | 26.7 | 87 | 19.5 | 355.1 | 76 | 25.2 | 85 | 17.3 | 347.2 | 86 | 25.4 | 96 | 20.1 | 355.2 | 72 | 1000 |
| SFC. | 29.5 | 58 | 15.1 | 346.0 | 0 | 27.4 | 86 | 20.0 | 356.5 | 0 | 26.3 | 90 | 19.6 | 353.8 | 0 | 26.7 | 98 | 21.9 | 360.9 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1007.4 | | SURFACE PRESSURE | | | 1008.6 | | SURFACE PRESSURE | | | 1009.8 | | SURFACE PRESSURE | | | 1008.1 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/29 6 0 GMT T | RH | W | EPT | H | 3/29 1121 GMT T | RH | W | EPT | H | 3/29 1438 GMT T | RH | W | EPT | H | 3/29 18 8 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.4 | 15 | .0 | 350.9 | 13769 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.1 | 24 | .0 | 350.4 | 13407 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.9 | 15 | .0 | 349.0 | 13398 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.1 | 23 | .0 | 349.7 | 13051 | -60.2 | 17 | .0 | 347.8 | 13073 | -60.4 | 15 | .0 | 347.5 | 13044 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -56.3 | 22 | .0 | 348.9 | 12710 | -57.7 | 17 | .0 | 346.5 | 12734 | -57.4 | 14 | .0 | 347.0 | 12705 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -53.6 | 22 | .0 | 348.1 | 12382 | -55.3 | 17 | .0 | 345.3 | 12408 | -54.6 | 14 | .0 | 346.5 | 12378 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -47.8 | 20 | .0 | 345.5 | 11614 | -48.1 | 16 | .0 | 345.0 | 11644 | -48.0 | 12 | .0 | 345.0 | 11613 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -42.5 | 24 | .1 | 343.3 | 10911 | -41.7 | 15 | .1 | 344.4 | 10940 | -42.2 | 11 | .0 | 343.5 | 10910 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -36.9 | 31 | .2 | 342.5 | 10260 | -35.9 | 14 | .1 | 343.5 | 10286 | -36.5 | 13 | .1 | 342.6 | 10257 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -31.8 | 37 | .3 | 341.9 | 9651 | -31.0 | 13 | .1 | 342.3 | 9675 | -31.2 | 14 | .1 | 342.0 | 9647 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -27.1 | 43 | .5 | 341.5 | 9079 | -26.5 | 12 | .2 | 340.8 | 9102 | -26.7 | 30 | .4 | 341.4 | 9075 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -23.2 | 53 | .9 | 340.9 | 8541 | -22.4 | 11 | .2 | 339.4 | 8562 | -22.7 | 13 | .2 | 339.1 | 8536 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -20.1 | 66 | 1.4 | 339.9 | 8032 | -18.6 | 11 | .2 | 338.0 | 8051 | -18.9 | 19 | .4 | 338.3 | 8026 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -16.6 | 21 | .5 | 335.5 | 7550 | -15.0 | 10 | .3 | 336.7 | 7567 | -15.4 | 25 | .7 | 337.7 | 7542 | 0.0 | 0 | 0.0 | 0.0 | 0 | 400 |
| 425 | -13.3 | 32 | 1.0 | 335.7 | 7092 | -11.6 | 14 | .5 | 336.0 | 7105 | -13.0 | 69 | 2.3 | 340.3 | 7082 | 0.0 | 0 | 0.0 | 0.0 | 0 | 425 |
| 450 | -12.5 | 78 | 2.5 | 336.1 | 6655 | -9.7 | 47 | 1.9 | 337.8 | 6666 | -9.9 | 56 | 2.3 | 338.6 | 6643 | 0.0 | 0 | 0.0 | 0.0 | 0 | 450 |
| 475 | -9.2 | 89 | 3.6 | 338.6 | 6240 | -8.5 | 61 | 2.6 | 336.4 | 6247 | -8.2 | 55 | 2.4 | 336.1 | 6224 | 0.0 | 0 | 0.0 | 0.0 | 0 | 475 |
| 500 | -5.7 | 79 | 3.9 | 339.1 | 5839 | -6.4 | 51 | 2.4 | 333.5 | 5847 | -5.6 | 41 | 2.1 | 333.3 | 5824 | 0.0 | 0 | 0.0 | 0.0 | 0 | 500 |
| 525 | -3.9 | 41 | 2.2 | 331.4 | 5455 | -4.8 | 53 | 2.7 | 331.8 | 5465 | -3.4 | 62 | 3.5 | 336.1 | 5439 | 0.0 | 0 | 0.0 | 0.0 | 0 | 525 |
| 550 | -2.9 | 86 | 4.8 | 336.2 | 5087 | -2.0 | 43 | 2.6 | 330.3 | 5097 | -1.6 | 60 | 3.7 | 334.6 | 5070 | 0.0 | 0 | 0.0 | 0.0 | 0 | 550 |
| 575 | .8 | 70 | 4.9 | 336.7 | 4732 | .0 | 60 | 4.0 | 333.1 | 4742 | -.3 | 63 | 4.1 | 333.0 | 4714 | 0.0 | 0 | 0.0 | 0.0 | 0 | 575 |
| 600 | 2.1 | 77 | 5.8 | 336.8 | 4388 | 2.0 | 76 | 5.6 | 336.4 | 4399 | 1.2 | 76 | 5.3 | 334.2 | 4373 | 0.0 | 0 | 0.0 | 0.0 | 0 | 600 |
| 625 | 5.0 | 60 | 5.2 | 334.9 | 4056 | 4.1 | 79 | 6.5 | 337.7 | 4067 | 4.0 | 81 | 6.6 | 337.7 | 4042 | 0.0 | 0 | 0.0 | 0.0 | 0 | 625 |
| 650 | 7.0 | 54 | 5.2 | 333.6 | 3734 | 6.3 | 69 | 6.4 | 336.1 | 3746 | 5.0 | 77 | 6.5 | 334.8 | 3721 | 0.0 | 0 | 0.0 | 0.0 | 0 | 650 |
| 675 | 7.9 | 64 | 6.3 | 334.3 | 3423 | 7.9 | 70 | 6.9 | 335.9 | 3435 | 6.3 | 82 | 7.3 | 335.3 | 3412 | 0.0 | 0 | 0.0 | 0.0 | 0 | 675 |
| 700 | 10.0 | 59 | 6.5 | 333.7 | 3121 | 9.2 | 79 | 8.2 | 337.8 | 3134 | 9.1 | 94 | 9.8 | 342.2 | 3112 | 7.3 | 81 | 7.4 | 333.1 | 3124 | 700 |
| 725 | 10.9 | 70 | 7.9 | 335.4 | 2829 | 11.1 | 83 | 9.5 | 340.5 | 2841 | 11.1 | 99 | 11.4 | 345.9 | 2818 | 10.8 | 77 | 8.7 | 337.6 | 2832 | 725 |
| 750 | 12.8 | 66 | 8.2 | 335.6 | 2544 | 13.1 | 87 | 11.1 | 344.0 | 2556 | 12.4 | 98 | 12.0 | 345.8 | 2534 | 13.5 | 77 | 10.1 | 341.7 | 2547 | 750 |
| 775 | 14.8 | 62 | 8.5 | 335.6 | 2267 | 15.0 | 88 | 12.3 | 346.6 | 2278 | 13.7 | 98 | 12.6 | 345.8 | 2257 | 15.2 | 83 | 11.7 | 345.2 | 2269 | 775 |
| 800 | 15.7 | 71 | 10.0 | 337.8 | 1998 | 16.7 | 82 | 12.4 | 346.0 | 2008 | 15.0 | 98 | 13.2 | 345.9 | 1987 | 15.4 | 76 | 10.5 | 338.7 | 2000 | 800 |
| 825 | 16.1 | 86 | 12.1 | 341.0 | 1735 | 17.9 | 84 | 13.3 | 346.8 | 1744 | 16.2 | 97 | 13.8 | 345.9 | 1725 | 17.7 | 75 | 11.6 | 341.5 | 1737 | 825 |
| 850 | 17.2 | 93 | 13.6 | 343.7 | 1480 | 19.1 | 86 | 14.2 | 347.6 | 1487 | 17.4 | 97 | 14.4 | 346.0 | 1469 | 19.9 | 73 | 12.7 | 344.5 | 1480 | 850 |
| 875 | 19.0 | 93 | 14.8 | 346.3 | 1231 | 20.2 | 87 | 15.1 | 348.5 | 1236 | 20.6 | 97 | 17.2 | 354.9 | 1219 | 21.1 | 75 | 13.6 | 345.6 | 1229 | 875 |
| 900 | 20.8 | 92 | 16.0 | 349.0 | 987 | 21.3 | 89 | 16.0 | 349.5 | 991 | 21.6 | 96 | 17.6 | 354.5 | 974 | 22.0 | 77 | 14.4 | 346.1 | 983 | 900 |
| 925 | 22.5 | 92 | 17.3 | 351.8 | 748 | 22.4 | 90 | 16.9 | 350.6 | 752 | 22.5 | 96 | 18.1 | 354.0 | 734 | 22.9 | 79 | 15.2 | 346.7 | 744 | 925 |
| 950 | 21.4 | 92 | 15.7 | 343.3 | 516 | 23.4 | 92 | 17.8 | 351.7 | 518 | 23.4 | 95 | 18.5 | 353.6 | 500 | 23.7 | 83 | 16.4 | 348.1 | 510 | 950 |
| 975 | 23.1 | 91 | 17.0 | 346.2 | 289 | 24.4 | 93 | 18.7 | 352.8 | 290 | 24.3 | 95 | 18.9 | 353.2 | 272 | 24.5 | 88 | 17.8 | 350.2 | 282 | 975 |
| 1000 | 24.8 | 91 | 18.3 | 349.3 | 66 | 25.4 | 95 | 19.7 | 354.0 | 66 | 25.2 | 94 | 19.4 | 352.8 | 48 | 25.7 | 92 | 19.5 | 353.7 | 58 | 1000 |
| SFC. | 25.3 | 91 | 18.7 | 350.2 | 0 | 25.7 | 95 | 20.0 | 354.4 | 0 | 25.4 | 94 | 19.4 | 352.7 | 0 | 26.0 | 93 | 19.9 | 354.7 | 0 | SFC. |
| | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1005.5 | | | | | SURFACE PRESSURE 1006.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/29 2046 GMT T | RH | W | EPT | H | 3/30 320 GMT T | RH | W | EPT | H | 3/30 6 3 GMT T | RH | W | EPT | H | 3/30 910 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.3 | 0 | 0.0 | 464.8 | 19582 | -65.0 | 0 | 0.0 | 465.4 | 19631 | -64.9 | 30 | .0 | 465.8 | 19461 | -65.4 | 0 | 0.0 | 464.5 | 19533 | 60 |
| 70 | -71.2 | 0 | 0.0 | 432.2 | 18657 | -69.2 | 0 | 0.0 | 436.5 | 18699 | -76.4 | 30 | .0 | 421.0 | 18553 | -68.3 | 0 | 0.0 | 438.2 | 18601 | 70 |
| 80 | -72.3 | 17 | .0 | 413.8 | 17866 | -71.0 | 0 | 0.0 | 416.3 | 17908 | -75.5 | 30 | .0 | 407.1 | 17785 | -74.6 | 35 | .0 | 408.9 | 17820 | 80 |
| 90 | -76.9 | 18 | .0 | 390.8 | 17183 | -73.6 | 0 | 0.0 | 397.3 | 17215 | -77.7 | 31 | .0 | 389.3 | 17106 | -79.8 | 36 | .0 | 385.1 | 17145 | 90 |
| 100 | -76.4 | 17 | .0 | 380.1 | 16577 | -76.0 | 15 | .0 | 380.9 | 16603 | -77.0 | 31 | .0 | 379.0 | 16502 | -76.5 | 36 | .0 | 380.0 | 16543 | 100 |
| 110 | -78.3 | 18 | .0 | 366.3 | 16030 | -79.0 | 16 | .0 | 365.1 | 16058 | -78.7 | 31 | .0 | 365.5 | 15957 | -77.4 | 36 | .0 | 368.1 | 15998 | 110 |
| 120 | -76.3 | 18 | .0 | 361.1 | 15533 | -76.0 | 15 | .0 | 361.5 | 15560 | -76.1 | 31 | .0 | 361.3 | 15458 | -74.0 | 35 | .0 | 365.3 | 15495 | 120 |
| 130 | -72.7 | 18 | .0 | 359.2 | 15067 | -73.3 | 15 | .0 | 358.2 | 15094 | -73.3 | 30 | .0 | 358.2 | 14993 | -72.3 | 35 | .0 | 360.1 | 15025 | 130 |
| 140 | -69.5 | 17 | .0 | 357.4 | 14628 | -70.6 | 14 | .0 | 355.4 | 14658 | -70.2 | 30 | .0 | 356.1 | 14556 | -70.8 | 34 | .0 | 355.1 | 14589 | 140 |
| 150 | -66.4 | 17 | .0 | 355.7 | 14214 | -67.3 | 15 | .0 | 354.2 | 14245 | -67.2 | 30 | .0 | 354.4 | 14143 | -67.6 | 35 | .0 | 353.6 | 14176 | 150 |
| 160 | -63.6 | 17 | .0 | 354.0 | 13820 | -64.1 | 17 | .0 | 353.1 | 13853 | -64.3 | 30 | .0 | 352.7 | 13751 | -64.7 | 35 | .0 | 352.2 | 13785 | 160 |
| 170 | -60.9 | 17 | .0 | 352.3 | 13446 | -61.0 | 16 | .0 | 352.3 | 13479 | -61.7 | 29 | .0 | 351.1 | 13378 | -61.9 | 35 | .0 | 350.8 | 13413 | 170 |
| 180 | -58.4 | 16 | .0 | 350.7 | 13089 | -58.0 | 16 | .0 | 351.5 | 13121 | -59.1 | 29 | .0 | 349.6 | 13022 | -59.3 | 36 | .0 | 349.4 | 13057 | 180 |
| 190 | -56.1 | 16 | .0 | 349.2 | 12747 | -55.1 | 15 | .0 | 350.6 | 12779 | -56.8 | 29 | .0 | 348.1 | 12681 | -56.8 | 36 | .0 | 348.1 | 12716 | 190 |
| 200 | -53.8 | 16 | .0 | 347.7 | 12419 | -52.5 | 14 | .0 | 349.8 | 12449 | -54.5 | 29 | .0 | 346.6 | 12355 | -54.1 | 36 | .0 | 347.2 | 12389 | 200 |
| 225 | -46.8 | 15 | .0 | 347.0 | 11650 | -45.9 | 13 | .0 | 348.3 | 11677 | -48.6 | 28 | .1 | 344.3 | 11591 | -47.9 | 38 | .1 | 345.4 | 11623 | 225 |
| 250 | -40.5 | 15 | .1 | 346.1 | 10942 | -39.9 | 13 | .1 | 347.1 | 10966 | -42.3 | 27 | .1 | 343.6 | 10888 | -41.4 | 25 | .1 | 345.0 | 10918 | 250 |
| 275 | -34.9 | 14 | .1 | 345.2 | 10285 | -34.4 | 12 | .1 | 345.7 | 10308 | -36.6 | 26 | .2 | 342.9 | 10236 | -36.3 | 22 | .1 | 343.3 | 10264 | 275 |
| 300 | -29.7 | 14 | .2 | 344.2 | 9671 | -30.1 | 20 | .2 | 343.8 | 9693 | -31.5 | 31 | .3 | 342.1 | 9627 | -31.7 | 34 | .3 | 342.0 | 9655 | 300 |
| 325 | -25.7 | 14 | .2 | 342.1 | 9096 | -25.2 | 13 | .2 | 342.7 | 9118 | -27.5 | 76 | .9 | 342.3 | 9056 | -27.5 | 60 | .7 | 341.6 | 9084 | 325 |
| 350 | -22.1 | 15 | .3 | 340.1 | 8555 | -21.6 | 38 | .7 | 342.4 | 8575 | -25.4 | 38 | .5 | 336.5 | 8519 | -23.0 | 51 | .9 | 341.1 | 8545 | 350 |
| 375 | -18.7 | 15 | .3 | 338.2 | 8044 | -18.9 | 24 | .5 | 338.7 | 8065 | -21.3 | 39 | .7 | 336.1 | 8014 | -19.8 | 70 | 1.5 | 340.8 | 8036 | 375 |
| 400 | -15.5 | 15 | .4 | 336.5 | 7560 | -15.0 | 16 | .5 | 337.3 | 7580 | -18.2 | 39 | .9 | 334.6 | 7534 | -16.5 | 68 | 1.8 | 339.9 | 7553 | 400 |
| 425 | -12.1 | 16 | .6 | 335.6 | 7100 | -12.5 | 34 | 1.2 | 337.2 | 7120 | -15.7 | 39 | 1.0 | 332.5 | 7078 | -13.4 | 75 | 2.4 | 340.0 | 7094 | 425 |
| 450 | -10.5 | 29 | 1.1 | 334.1 | 6661 | -9.8 | 50 | 2.0 | 338.0 | 6681 | -13.4 | 46 | 1.4 | 331.3 | 6645 | -12.0 | 94 | 3.2 | 339.1 | 6658 | 450 |
| 475 | -7.7 | 44 | 2.0 | 335.4 | 6242 | -7.0 | 62 | 2.9 | 339.4 | 6261 | -10.4 | 64 | 2.3 | 333.1 | 6232 | -9.1 | 85 | 3.4 | 338.2 | 6241 | 475 |
| 500 | -5.2 | 54 | 2.8 | 336.2 | 5841 | -4.3 | 72 | 4.0 | 341.2 | 5858 | -7.2 | 81 | 3.6 | 336.3 | 5834 | -7.5 | 83 | 3.6 | 335.7 | 5843 | 500 |
| 525 | -3.9 | 45 | 2.5 | 332.1 | 5456 | -1.7 | 52 | 3.4 | 337.8 | 5472 | -6.4 | 89 | 4.0 | 333.7 | 5452 | -4.7 | 75 | 3.9 | 335.6 | 5460 | 525 |
| 550 | -2.4 | 36 | 2.1 | 328.4 | 5088 | .1 | 52 | 3.7 | 336.4 | 5100 | -3.0 | 94 | 5.3 | 337.4 | 5085 | -2.1 | 74 | 4.4 | 335.8 | 5092 | 550 |
| 575 | -.6 | 38 | 2.4 | 327.4 | 4734 | 1.7 | 74 | 5.6 | 339.9 | 4742 | -.2 | 85 | 5.6 | 337.6 | 4730 | .3 | 72 | 4.9 | 336.0 | 4736 | 575 |
| 600 | 1.6 | 43 | 3.1 | 328.1 | 4392 | 3.7 | 81 | 6.7 | 341.8 | 4397 | 2.0 | 81 | 6.0 | 337.5 | 4388 | 2.2 | 92 | 6.9 | 340.4 | 4393 | 600 |
| 625 | 4.2 | 42 | 3.5 | 328.7 | 4062 | 5.9 | 78 | 7.3 | 342.1 | 4063 | 4.1 | 83 | 6.8 | 338.5 | 4056 | 4.2 | 84 | 6.9 | 339.0 | 4061 | 625 |
| 650 | 6.8 | 41 | 3.9 | 329.4 | 3741 | 8.0 | 75 | 7.8 | 342.4 | 3740 | 6.1 | 85 | 7.7 | 339.7 | 3735 | 6.1 | 76 | 6.9 | 337.4 | 3740 | 650 |
| 675 | 9.3 | 40 | 4.4 | 330.1 | 3429 | 9.9 | 76 | 8.6 | 343.6 | 3427 | 8.0 | 86 | 8.6 | 341.0 | 3424 | 7.7 | 71 | 7.0 | 335.8 | 3430 | 675 |
| 700 | 11.2 | 40 | 4.8 | 330.2 | 3127 | 11.8 | 77 | 9.5 | 344.9 | 3123 | 9.6 | 84 | 9.1 | 340.8 | 3122 | 10.1 | 50 | 5.6 | 331.1 | 3128 | 700 |
| 725 | 12.6 | 41 | 5.2 | 329.6 | 2833 | 13.5 | 69 | 9.3 | 342.8 | 2827 | 11.1 | 77 | 8.8 | 338.3 | 2829 | 11.2 | 48 | 5.5 | 329.0 | 2836 | 725 |
| 750 | 13.9 | 42 | 5.6 | 329.1 | 2547 | 14.9 | 75 | 10.8 | 345.5 | 2540 | 12.4 | 70 | 8.5 | 335.7 | 2545 | 12.3 | 46 | 5.5 | 327.0 | 2552 | 750 |
| 775 | 15.2 | 43 | 6.0 | 328.6 | 2270 | 16.0 | 82 | 12.2 | 347.7 | 2261 | 15.1 | 73 | 10.1 | 340.5 | 2268 | 14.0 | 76 | 9.9 | 338.6 | 2276 | 775 |
| 800 | 16.2 | 48 | 7.0 | 329.7 | 2001 | 17.0 | 85 | 13.1 | 348.3 | 1990 | 16.1 | 71 | 10.2 | 338.8 | 1997 | 15.4 | 89 | 12.3 | 343.8 | 2006 | 800 |
| 825 | 16.9 | 58 | 8.6 | 332.2 | 1738 | 18.0 | 89 | 14.1 | 349.0 | 1726 | 17.2 | 70 | 10.6 | 338.3 | 1735 | 16.7 | 91 | 13.3 | 345.1 | 1744 | 825 |
| 850 | 17.6 | 68 | 10.2 | 334.6 | 1483 | 18.9 | 92 | 15.0 | 349.8 | 1468 | 18.8 | 71 | 11.5 | 339.7 | 1479 | 18.0 | 85 | 13.1 | 343.3 | 1488 | 850 |
| 875 | 18.4 | 77 | 11.8 | 337.0 | 1234 | 20.4 | 90 | 15.7 | 350.7 | 1217 | 20.3 | 72 | 12.4 | 341.2 | 1228 | 19.3 | 80 | 13.0 | 341.5 | 1238 | 875 |
| 900 | 19.8 | 76 | 12.4 | 337.8 | 991 | 21.9 | 88 | 16.4 | 351.5 | 972 | 21.7 | 73 | 13.4 | 342.8 | 984 | 20.8 | 80 | 13.9 | 343.1 | 994 | 900 |
| 925 | 21.3 | 75 | 13.1 | 338.6 | 754 | 23.4 | 85 | 17.0 | 352.3 | 733 | 23.1 | 74 | 14.3 | 344.6 | 744 | 22.3 | 82 | 15.2 | 345.8 | 756 | 925 |
| 950 | 22.7 | 74 | 13.7 | 339.5 | 521 | 24.9 | 82 | 17.4 | 352.4 | 498 | 24.5 | 74 | 15.4 | 346.4 | 510 | 23.8 | 83 | 16.5 | 348.6 | 522 | 950 |
| 975 | 24.0 | 74 | 14.4 | 340.3 | 294 | 26.3 | 77 | 17.2 | 351.0 | 268 | 25.9 | 75 | 16.4 | 348.2 | 281 | 25.3 | 84 | 17.9 | 351.6 | 293 | 975 |
| 1000 | 25.2 | 74 | 15.0 | 341.0 | 71 | 27.7 | 71 | 16.9 | 349.4 | 44 | 27.2 | 76 | 17.5 | 350.2 | 57 | 26.8 | 86 | 19.3 | 354.7 | 69 | 1000 |
| SFC. | 25.5 | 74 | 15.3 | 341.2 | 0 | 28.0 | 70 | 16.8 | 349.0 | 0 | 27.5 | 76 | 17.7 | 350.7 | 0 | 27.2 | 86 | 19.8 | 355.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.1 | SURFACE PRESSURE | | | | 1004.9 | SURFACE PRESSURE | | | | 1006.4 | SURFACE PRESSURE | | | | 1007.8 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 3/30 12 0 GMT T | RH | W | EPT | H | 3/30 1831 GMT T | RH | W | EPT | H | 3/31 0 8 GMT T | RH | W | EPT | H | 3/31 2331 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.6 | 0 | 0.0 | 466.3 | 19433 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.7 | 0 | 0.0 | 468.3 | 19555 | -63.2 | 0 | 0.0 | 469.4 | 19572 | 60 |
| 70 | -71.1 | 0 | 0.0 | 432.3 | 18513 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.9 | 0 | 0.0 | 439.2 | 18615 | -68.7 | 0 | 0.0 | 437.4 | 18637 | 70 |
| 80 | -76.2 | 43 | .0 | 405.5 | 17743 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.1 | 20 | .0 | 409.9 | 17827 | -74.3 | 20 | .0 | 409.5 | 17847 | 80 |
| 90 | -79.8 | 43 | .0 | 385.0 | 17069 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.3 | 22 | .0 | 390.1 | 17143 | -76.1 | 20 | .0 | 392.4 | 17165 | 90 |
| 100 | -77.7 | 43 | .0 | 377.6 | 16469 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 22 | .0 | 379.4 | 16540 | -77.8 | 20 | .0 | 377.4 | 16562 | 100 |
| 110 | -78.6 | 43 | .0 | 365.7 | 15929 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.0 | 23 | .0 | 365.1 | 15996 | -77.3 | 20 | .0 | 368.3 | 16016 | 110 |
| 120 | -75.5 | 43 | .0 | 362.6 | 15429 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.9 | 24 | .0 | 361.8 | 15497 | -75.2 | 20 | .0 | 363.0 | 15515 | 120 |
| 130 | -73.0 | 43 | .0 | 358.8 | 14962 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.1 | 24 | .0 | 358.7 | 15032 | -71.9 | 20 | .0 | 360.8 | 15047 | 130 |
| 140 | -72.1 | 43 | .0 | 352.8 | 14528 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 25 | .0 | 355.7 | 14595 | -68.8 | 20 | .0 | 358.7 | 14607 | 140 |
| 150 | -68.8 | 44 | .0 | 351.6 | 14119 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.0 | 25 | .0 | 353.0 | 14183 | -65.9 | 20 | .0 | 356.6 | 14191 | 150 |
| 160 | -65.7 | 44 | .0 | 350.4 | 13730 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 24 | .0 | 352.0 | 13792 | -63.9 | 23 | .0 | 353.5 | 13797 | 160 |
| 170 | -62.8 | 45 | .0 | 349.3 | 13359 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.8 | 23 | .0 | 350.9 | 13419 | -61.9 | 24 | .0 | 350.7 | 13424 | 170 |
| 180 | -60.0 | 45 | .0 | 348.2 | 13004 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.9 | 22 | .0 | 349.9 | 13063 | -59.4 | 23 | .0 | 349.2 | 13068 | 180 |
| 190 | -57.4 | 45 | .0 | 347.0 | 12665 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.2 | 22 | .0 | 348.9 | 12722 | -57.0 | 22 | .0 | 347.7 | 12728 | 190 |
| 200 | -55.0 | 46 | .1 | 345.9 | 12339 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.7 | 21 | .0 | 347.9 | 12394 | -54.7 | 20 | .0 | 346.3 | 12402 | 200 |
| 225 | -49.3 | 46 | .1 | 343.3 | 11577 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.7 | 23 | .1 | 347.2 | 11625 | -48.0 | 19 | .0 | 345.1 | 11637 | 225 |
| 250 | -43.9 | 48 | .1 | 341.5 | 10878 | 0.0 | 0 | 0.0 | 0.0 | 0 | -40.5 | 24 | .1 | 346.3 | 10917 | -41.9 | 17 | .1 | 344.1 | 10933 | 250 |
| 275 | -38.0 | 50 | .3 | 341.3 | 10230 | 0.0 | 0 | 0.0 | 0.0 | 0 | -34.9 | 28 | .2 | 345.5 | 10260 | -36.1 | 17 | .1 | 343.3 | 10279 | 275 |
| 300 | -32.6 | 52 | .4 | 341.1 | 9624 | 0.0 | 0 | 0.0 | 0.0 | 0 | -29.8 | 31 | .3 | 344.7 | 9646 | -30.7 | 16 | .2 | 342.7 | 9668 | 300 |
| 325 | -28.6 | 72 | .8 | 340.3 | 9055 | 0.0 | 0 | 0.0 | 0.0 | 0 | -25.7 | 35 | .5 | 343.3 | 9070 | -25.8 | 15 | .2 | 342.0 | 9094 | 325 |
| 350 | -24.3 | 61 | .9 | 339.5 | 8519 | 0.0 | 0 | 0.0 | 0.0 | 0 | -21.8 | 38 | .7 | 342.1 | 8529 | -22.0 | 14 | .3 | 340.1 | 8553 | 350 |
| 375 | -20.2 | 47 | 1.0 | 338.5 | 8012 | 0.0 | 0 | 0.0 | 0.0 | 0 | -18.4 | 43 | 1.0 | 341.0 | 8017 | -19.1 | 20 | .5 | 338.1 | 8043 | 375 |
| 400 | -18.0 | 83 | 1.9 | 338.4 | 7531 | 0.0 | 0 | 0.0 | 0.0 | 0 | -15.4 | 50 | 1.4 | 340.2 | 7533 | -16.7 | 32 | .8 | 336.4 | 7560 | 400 |
| 425 | -14.0 | 71 | 2.1 | 338.5 | 7074 | 0.0 | 0 | 0.0 | 0.0 | 0 | -13.2 | 59 | 1.9 | 338.9 | 7073 | -13.0 | 28 | .9 | 335.7 | 7101 | 425 |
| 450 | -10.6 | 62 | 2.4 | 338.1 | 6637 | 0.0 | 0 | 0.0 | 0.0 | 0 | -11.0 | 67 | 2.5 | 337.8 | 6635 | -10.2 | 40 | 1.6 | 335.9 | 6663 | 450 |
| 475 | -8.4 | 60 | 2.6 | 336.3 | 6219 | 0.0 | 0 | 0.0 | 0.0 | 0 | -8.3 | 57 | 2.5 | 336.1 | 6218 | -8.2 | 33 | 1.4 | 332.8 | 6245 | 475 |
| 500 | -6.6 | 68 | 3.2 | 335.5 | 5819 | 0.0 | 0 | 0.0 | 0.0 | 0 | -5.3 | 38 | 1.9 | 333.3 | 5817 | -6.3 | 17 | .8 | 328.2 | 5845 | 500 |
| 525 | -6.6 | 98 | 4.4 | 334.6 | 5437 | 0.0 | 0 | 0.0 | 0.0 | 0 | -4.0 | 55 | 3.0 | 333.5 | 5433 | -3.2 | 15 | .9 | 327.8 | 5461 | 525 |
| 550 | -3.9 | 96 | 5.0 | 335.5 | 5071 | 0.0 | 0 | 0.0 | 0.0 | 0 | -2.6 | 65 | 3.7 | 333.2 | 5065 | -.6 | 16 | 1.1 | 327.2 | 5092 | 550 |
| 575 | -1.4 | 94 | 5.7 | 336.4 | 4718 | 0.0 | 0 | 0.0 | 0.0 | 0 | -.2 | 47 | 3.1 | 330.0 | 4710 | 1.8 | 17 | 1.3 | 326.7 | 4735 | 575 |
| 600 | 1.1 | 93 | 6.4 | 337.5 | 4376 | .4 | 82 | 5.4 | 333.6 | 4391 | 2.3 | 38 | 2.8 | 328.2 | 4368 | 4.0 | 21 | 1.7 | 326.8 | 4391 | 600 |
| 625 | 2.8 | 94 | 7.1 | 337.6 | 4046 | 1.7 | 86 | 6.0 | 333.1 | 4062 | 4.4 | 45 | 3.8 | 329.8 | 4037 | 6.0 | 27 | 2.5 | 327.7 | 4058 | 625 |
| 650 | 5.3 | 70 | 6.0 | 333.8 | 3726 | 3.8 | 93 | 7.2 | 335.4 | 3744 | 6.4 | 53 | 4.9 | 331.8 | 3716 | 7.9 | 33 | 3.4 | 329.0 | 3735 | 650 |
| 675 | 7.7 | 46 | 4.5 | 328.7 | 3416 | 6.5 | 96 | 8.7 | 339.3 | 3435 | 8.2 | 60 | 6.0 | 333.8 | 3405 | 9.7 | 39 | 4.3 | 330.5 | 3423 | 675 |
| 700 | 8.9 | 68 | 7.3 | 333.8 | 3115 | 8.9 | 96 | 9.9 | 342.3 | 3134 | 9.4 | 65 | 6.9 | 334.1 | 3103 | 10.1 | 51 | 5.7 | 331.5 | 3120 | 700 |
| 725 | 10.9 | 69 | 7.8 | 335.2 | 2823 | 11.0 | 95 | 10.9 | 344.2 | 2841 | 10.6 | 69 | 7.7 | 334.5 | 2811 | 11.4 | 55 | 6.5 | 332.0 | 2828 | 725 |
| 750 | 12.4 | 85 | 10.3 | 340.9 | 2539 | 13.0 | 93 | 11.8 | 346.1 | 2556 | 12.6 | 65 | 7.9 | 334.3 | 2527 | 13.3 | 54 | 6.9 | 332.3 | 2543 | 750 |
| 775 | 14.1 | 86 | 11.3 | 342.6 | 2262 | 15.0 | 92 | 12.8 | 348.1 | 2278 | 14.7 | 59 | 8.0 | 333.9 | 2250 | 15.0 | 54 | 7.5 | 332.8 | 2266 | 775 |
| 800 | 16.0 | 80 | 11.5 | 342.4 | 1992 | 16.5 | 91 | 13.6 | 348.8 | 2007 | 15.9 | 64 | 9.1 | 335.4 | 1981 | 15.6 | 62 | 8.6 | 333.6 | 1997 | 800 |
| 825 | 16.6 | 74 | 10.8 | 337.9 | 1729 | 17.0 | 92 | 13.7 | 346.6 | 1744 | 16.9 | 71 | 10.4 | 337.4 | 1718 | 17.3 | 61 | 9.2 | 334.6 | 1734 | 825 |
| 850 | 18.1 | 88 | 13.6 | 344.9 | 1474 | 18.2 | 92 | 14.3 | 346.8 | 1488 | 17.4 | 78 | 11.5 | 338.1 | 1463 | 19.1 | 60 | 9.9 | 335.6 | 1478 | 850 |
| 875 | 19.3 | 92 | 15.0 | 347.1 | 1224 | 19.5 | 92 | 15.1 | 347.8 | 1238 | 18.7 | 81 | 12.7 | 340.1 | 1214 | 20.1 | 66 | 11.2 | 337.6 | 1228 | 875 |
| 900 | 20.4 | 92 | 15.7 | 347.6 | 980 | 20.9 | 91 | 15.9 | 348.9 | 993 | 20.1 | 84 | 14.0 | 342.4 | 970 | 20.9 | 69 | 12.1 | 338.3 | 984 | 900 |
| 925 | 21.6 | 93 | 16.5 | 348.5 | 741 | 22.1 | 91 | 16.8 | 350.0 | 754 | 21.3 | 87 | 15.3 | 344.8 | 733 | 21.9 | 71 | 12.8 | 338.6 | 746 | 925 |
| 950 | 23.5 | 93 | 18.2 | 352.8 | 508 | 23.4 | 92 | 17.7 | 351.3 | 521 | 22.7 | 86 | 15.9 | 345.7 | 500 | 23.8 | 72 | 14.3 | 342.5 | 512 | 950 |
| 975 | 25.3 | 94 | 19.9 | 357.3 | 279 | 24.5 | 93 | 18.7 | 352.9 | 293 | 24.3 | 78 | 15.6 | 344.0 | 272 | 25.9 | 67 | 14.7 | 343.7 | 284 | 975 |
| 1000 | 27.2 | 94 | 21.8 | 362.0 | 54 | 25.7 | 94 | 19.8 | 354.6 | 69 | 26.4 | 80 | 17.5 | 349.4 | 49 | 28.8 | 74 | 18.7 | 355.8 | 59 | 1000 |
| SFC. | 27.6 | 94 | 22.2 | 363.3 | 0 | 26.0 | 94 | 20.1 | 355.1 | 0 | 27.1 | 84 | 19.2 | 354.3 | 0 | 29.1 | 81 | 20.8 | 361.5 | 0 | SFC. |
| | SURFACE PRESSURE 1006.1 | | | | | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1005.5 | | | | | SURFACE PRESSURE 1006.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — PALMYRA ISLAND

| P | 4/ 1 655 GMT T | RH | W | EPT | H | 4/ 1 1500 GMT T | RH | W | EPT | H | 4/ 1 1800 GMT T | RH | W | EPT | H | 4/ 1 2050 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.6 | 0 | 0.0 | 470.8 | 19474 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.7 | 0 | 0.0 | 470.6 | 19578 | 60 |
| 70 | -71.8 | 0 | 0.0 | 430.8 | 18544 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.5 | 0 | 0.0 | 442.2 | 18631 | 70 |
| 80 | -76.4 | 13 | .0 | 405.1 | 17770 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.9 | 0 | 0.0 | 414.5 | 17837 | 80 |
| 90 | -75.8 | 13 | .0 | 393.0 | 17090 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 15 | .0 | 395.0 | 17148 | 90 |
| 100 | -80.0 | 14 | .0 | 373.2 | 16490 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.2 | 16 | .0 | 382.5 | 16536 | 100 |
| 110 | -79.4 | 14 | .0 | 364.2 | 15952 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.9 | 16 | .0 | 369.1 | 15989 | 110 |
| 120 | -76.2 | 14 | .0 | 361.1 | 15454 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.1 | 16 | .0 | 361.4 | 15488 | 120 |
| 130 | -73.3 | 13 | .0 | 358.3 | 14989 | -75.9 | 0 | 0.0 | 353.6 | 14994 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.1 | 16 | .0 | 358.5 | 15023 | 130 |
| 140 | -70.5 | 13 | .0 | 355.5 | 14553 | -72.9 | 0 | 0.0 | 351.5 | 14563 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 16 | .0 | 355.8 | 14586 | 140 |
| 150 | -67.9 | 13 | .0 | 353.1 | 14141 | -70.0 | 0 | 0.0 | 349.5 | 14156 | -68.9 | 16 | .0 | 351.4 | 14181 | -67.9 | 16 | .0 | 353.2 | 14174 | 150 |
| 160 | -65.2 | 13 | .0 | 351.3 | 13750 | -67.2 | 0 | 0.0 | 347.9 | 13769 | -66.2 | 16 | .0 | 349.6 | 13792 | -65.5 | 16 | .0 | 350.8 | 13783 | 160 |
| 170 | -62.6 | 14 | .0 | 349.6 | 13379 | -64.5 | 0 | 0.0 | 346.4 | 13401 | -62.8 | 16 | .0 | 349.3 | 13422 | -63.2 | 16 | .0 | 348.5 | 13413 | 170 |
| 180 | -59.9 | 14 | .0 | 348.3 | 13024 | -61.9 | 0 | 0.0 | 344.9 | 13049 | -59.9 | 16 | .0 | 348.4 | 13067 | -60.2 | 16 | .0 | 347.7 | 13059 | 180 |
| 190 | -56.9 | 13 | .0 | 347.7 | 12684 | -58.7 | 20 | .0 | 344.8 | 12712 | -57.5 | 16 | .0 | 346.9 | 12728 | -57.0 | 15 | .0 | 347.6 | 12719 | 190 |
| 200 | -54.2 | 13 | .0 | 347.1 | 12357 | -55.6 | 20 | .0 | 344.8 | 12388 | -54.4 | 16 | .0 | 346.8 | 12401 | -54.0 | 15 | .0 | 347.4 | 12392 | 200 |
| 225 | -47.8 | 12 | .0 | 345.4 | 11591 | -48.5 | 18 | .0 | 344.4 | 11625 | -47.2 | 15 | .0 | 346.4 | 11634 | -47.2 | 14 | .0 | 346.4 | 11625 | 225 |
| 250 | -42.1 | 11 | .0 | 343.7 | 10887 | -42.1 | 17 | .1 | 343.8 | 10922 | -40.9 | 14 | .1 | 345.6 | 10927 | -41.1 | 14 | .1 | 345.3 | 10918 | 250 |
| 275 | -36.8 | 10 | .1 | 342.1 | 10234 | -36.3 | 16 | .1 | 343.0 | 10269 | -35.5 | 14 | .1 | 344.3 | 10271 | -35.5 | 13 | .1 | 344.1 | 10262 | 275 |
| 300 | -31.9 | 10 | .1 | 340.8 | 9626 | -31.2 | 16 | .1 | 342.0 | 9659 | -30.5 | 13 | .1 | 343.0 | 9659 | -30.5 | 13 | .1 | 343.0 | 9651 | 300 |
| 325 | -27.3 | 10 | .1 | 339.6 | 9055 | -26.5 | 15 | .2 | 341.0 | 9086 | -26.0 | 13 | .2 | 341.7 | 9085 | -26.4 | 14 | .2 | 341.1 | 9077 | 325 |
| 350 | -23.1 | 10 | .2 | 338.3 | 8517 | -22.1 | 15 | .3 | 340.1 | 8546 | -21.7 | 13 | .2 | 340.5 | 8544 | -22.6 | 15 | .3 | 339.4 | 8537 | 350 |
| 375 | -19.5 | 15 | .3 | 337.1 | 8008 | -19.8 | 33 | .7 | 338.0 | 8036 | -17.8 | 13 | .3 | 339.3 | 8032 | -19.0 | 15 | .3 | 337.8 | 8027 | 375 |
| 400 | -17.0 | 33 | .8 | 336.0 | 7526 | -16.7 | 32 | .8 | 336.4 | 7555 | -15.0 | 13 | .4 | 337.0 | 7546 | -15.7 | 16 | .4 | 336.3 | 7544 | 400 |
| 425 | -14.7 | 13 | .4 | 331.6 | 7069 | -14.9 | 14 | .4 | 331.4 | 7098 | -13.4 | 24 | .8 | 334.7 | 7087 | -13.2 | 41 | 1.3 | 336.9 | 7084 | 425 |
| 450 | -12.6 | 21 | .7 | 330.0 | 6634 | -11.7 | 22 | .8 | 331.3 | 6663 | -11.4 | 34 | 1.2 | 333.2 | 6650 | -10.0 | 41 | 1.6 | 336.5 | 6646 | 450 |
| 475 | -10.3 | 38 | 1.4 | 330.1 | 6220 | -8.6 | 31 | 1.3 | 331.8 | 6246 | -9.3 | 29 | 1.1 | 330.6 | 6234 | -8.3 | 44 | 1.9 | 334.2 | 6227 | 475 |
| 500 | -8.2 | 22 | .9 | 326.3 | 5823 | -5.7 | 39 | 1.9 | 332.8 | 5846 | -6.6 | 26 | 1.2 | 329.3 | 5835 | -7.3 | 47 | 2.1 | 331.2 | 5828 | 500 |
| 525 | -5.6 | 60 | 2.9 | 331.4 | 5442 | -3.7 | 54 | 3.0 | 334.1 | 5462 | -3.9 | 36 | 2.0 | 330.4 | 5452 | -6.6 | 43 | 1.9 | 327.0 | 5447 | 525 |
| 550 | -2.8 | 70 | 4.0 | 333.7 | 5075 | -.8 | 33 | 2.2 | 330.6 | 5092 | -1.5 | 33 | 2.0 | 329.3 | 5083 | -5.9 | 39 | 1.8 | 323.1 | 5083 | 550 |
| 575 | -.4 | 70 | 4.5 | 334.1 | 4720 | -.4 | 76 | 4.9 | 335.3 | 4737 | -.8 | 71 | 4.5 | 333.5 | 4728 | -.9 | 50 | 3.1 | 329.1 | 4731 | 575 |
| 600 | .9 | 69 | 4.7 | 332.0 | 4379 | 2.1 | 78 | 5.8 | 337.0 | 4394 | .6 | 77 | 5.1 | 333.1 | 4387 | .8 | 54 | 3.7 | 329.0 | 4390 | 600 |
| 625 | 2.1 | 67 | 4.8 | 330.0 | 4050 | 4.9 | 73 | 6.3 | 338.0 | 4062 | 2.7 | 79 | 5.9 | 334.0 | 4057 | 2.4 | 67 | 4.9 | 330.8 | 4060 | 625 |
| 650 | 3.3 | 66 | 4.9 | 328.1 | 3732 | 6.0 | 82 | 7.4 | 338.8 | 3741 | 4.7 | 81 | 6.7 | 335.2 | 3738 | 4.0 | 80 | 6.3 | 333.0 | 3742 | 650 |
| 675 | 6.9 | 94 | 8.8 | 340.1 | 3422 | 8.7 | 75 | 7.9 | 339.8 | 3429 | 6.4 | 87 | 7.8 | 336.8 | 3429 | 6.3 | 77 | 6.8 | 333.8 | 3433 | 675 |
| 700 | 9.4 | 93 | 9.9 | 343.0 | 3121 | 10.8 | 78 | 9.1 | 342.3 | 3126 | 8.4 | 87 | 8.7 | 338.1 | 3128 | 7.9 | 68 | 6.5 | 331.0 | 3133 | 700 |
| 725 | 10.4 | 92 | 10.1 | 341.2 | 2828 | 12.1 | 85 | 10.5 | 344.5 | 2832 | 10.9 | 80 | 9.0 | 338.7 | 2836 | 9.7 | 69 | 7.2 | 332.1 | 2842 | 725 |
| 750 | 11.3 | 91 | 10.3 | 339.6 | 2545 | 13.2 | 77 | 9.9 | 340.8 | 2547 | 12.8 | 76 | 9.4 | 338.8 | 2552 | 11.6 | 70 | 8.0 | 333.2 | 2559 | 750 |
| 775 | 12.6 | 91 | 10.9 | 339.6 | 2269 | 14.6 | 86 | 11.7 | 344.4 | 2269 | 13.9 | 78 | 10.1 | 338.8 | 2275 | 13.1 | 65 | 7.9 | 331.8 | 2284 | 775 |
| 800 | 14.1 | 92 | 11.7 | 340.6 | 2001 | 15.9 | 95 | 13.6 | 348.0 | 1999 | 15.0 | 80 | 10.7 | 338.9 | 2006 | 14.4 | 53 | 6.9 | 327.4 | 2016 | 800 |
| 825 | 15.6 | 92 | 12.5 | 341.6 | 1739 | 17.4 | 87 | 13.3 | 346.1 | 1736 | 16.4 | 78 | 11.2 | 338.8 | 1744 | 15.8 | 58 | 7.9 | 328.9 | 1755 | 825 |
| 850 | 17.0 | 93 | 13.4 | 342.7 | 1484 | 18.6 | 89 | 14.2 | 347.1 | 1479 | 18.1 | 73 | 11.3 | 338.4 | 1488 | 17.1 | 62 | 9.1 | 330.9 | 1500 | 850 |
| 875 | 18.4 | 93 | 14.3 | 343.9 | 1235 | 19.9 | 91 | 15.4 | 349.0 | 1229 | 19.5 | 75 | 12.4 | 340.1 | 1239 | 18.4 | 58 | 8.9 | 329.2 | 1252 | 875 |
| 900 | 19.8 | 92 | 15.1 | 345.2 | 992 | 21.2 | 90 | 16.1 | 349.8 | 984 | 20.3 | 87 | 14.7 | 344.8 | 995 | 19.7 | 53 | 8.5 | 326.9 | 1010 | 900 |
| 925 | 21.3 | 92 | 16.0 | 346.6 | 754 | 22.5 | 89 | 16.8 | 350.6 | 745 | 21.4 | 94 | 16.6 | 348.4 | 757 | 20.9 | 62 | 10.5 | 331.2 | 773 | 925 |
| 950 | 22.6 | 91 | 16.8 | 348.0 | 522 | 23.8 | 88 | 17.5 | 351.4 | 511 | 23.1 | 92 | 17.4 | 350.1 | 524 | 22.1 | 71 | 12.6 | 335.8 | 541 | 950 |
| 975 | 24.0 | 91 | 17.7 | 349.4 | 294 | 25.1 | 87 | 18.2 | 352.2 | 282 | 24.7 | 89 | 18.2 | 351.7 | 296 | 23.7 | 78 | 14.9 | 341.3 | 314 | 975 |
| 1000 | 25.3 | 90 | 18.6 | 350.9 | 70 | 26.3 | 86 | 18.9 | 353.0 | 58 | 26.3 | 87 | 19.0 | 353.3 | 72 | 26.0 | 81 | 17.4 | 348.6 | 91 | 1000 |
| SFC. | 25.7 | 90 | 18.9 | 351.3 | 0 | 26.6 | 86 | 19.1 | 353.2 | 0 | 26.8 | 86 | 19.3 | 353.8 | 0 | 27.0 | 82 | 18.5 | 351.8 | 0 | SFC. |
| | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1006.6 | | | | | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1010.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 1 2353 GMT T | RH | W | EPT | H | 4/ 2 250 GMT T | RH | W | EPT | H | 4/ 2 6 5 GMT T | RH | W | EPT | H | 4/ 2 9 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.9 | 0 | 0.0 | 463.4 | 19561 | -65.2 | 0 | 0.0 | 465.0 | 19515 | -65.0 | 43 | .0 | 465.7 | 19516 | -64.7 | 0 | 0.0 | 466.1 | 19550 | 60 |
| 70 | -66.8 | 0 | 0.0 | 441.5 | 18622 | -69.7 | 0 | 0.0 | 435.4 | 18583 | -70.9 | 44 | .0 | 432.8 | 18590 | -67.3 | 24 | .0 | 440.4 | 18615 | 70 |
| 80 | -73.9 | 0 | 0.0 | 410.3 | 17831 | -76.8 | 0 | 0.0 | 404.4 | 17801 | -76.0 | 44 | .0 | 406.1 | 17809 | -74.7 | 25 | .0 | 408.7 | 17824 | 80 |
| 90 | -73.3 | 15 | .0 | 398.0 | 17145 | -75.2 | 20 | .0 | 394.1 | 17120 | -77.7 | 44 | .0 | 389.2 | 17132 | -76.6 | 25 | .0 | 391.3 | 17145 | 90 |
| 100 | -75.6 | 16 | .0 | 381.7 | 16532 | -76.2 | 21 | .0 | 380.5 | 16510 | -79.2 | 44 | .0 | 374.7 | 16531 | -76.3 | 25 | .0 | 380.3 | 16538 | 100 |
| 110 | -76.5 | 16 | .0 | 369.7 | 15984 | -78.5 | 22 | .0 | 366.0 | 15967 | -78.4 | 44 | .0 | 366.1 | 15989 | -76.7 | 25 | .0 | 369.4 | 15990 | 110 |
| 120 | -75.8 | 16 | .0 | 361.9 | 15482 | -77.6 | 21 | .0 | 358.6 | 15470 | -77.7 | 45 | .0 | 358.5 | 15492 | -77.0 | 26 | .0 | 359.7 | 15489 | 120 |
| 130 | -74.4 | 16 | .0 | 356.3 | 15018 | -75.8 | 21 | .0 | 353.7 | 15010 | -75.8 | 45 | .0 | 353.7 | 15032 | -75.8 | 26 | .0 | 353.8 | 15029 | 130 |
| 140 | -71.2 | 16 | .0 | 354.4 | 14583 | -72.1 | 21 | .0 | 352.9 | 14578 | -72.3 | 45 | .0 | 352.6 | 14600 | -72.4 | 25 | .0 | 352.2 | 14597 | 140 |
| 150 | -68.3 | 15 | .0 | 352.6 | 14172 | -68.6 | 21 | .0 | 352.0 | 14168 | -69.0 | 44 | .0 | 351.4 | 14191 | -68.9 | 25 | .0 | 351.4 | 14188 | 150 |
| 160 | -65.5 | 15 | .0 | 350.8 | 13782 | -65.7 | 21 | .0 | 350.5 | 13778 | -65.9 | 44 | .0 | 350.2 | 13802 | -65.5 | 25 | .0 | 350.7 | 13799 | 160 |
| 170 | -62.6 | 15 | .0 | 349.5 | 13411 | -62.9 | 21 | .0 | 349.0 | 13408 | -63.0 | 44 | .0 | 349.0 | 13431 | -62.4 | 25 | .0 | 350.0 | 13428 | 170 |
| 180 | -59.6 | 15 | .0 | 348.7 | 13056 | -60.2 | 21 | .0 | 347.8 | 13053 | -59.9 | 44 | .0 | 348.4 | 13077 | -59.4 | 24 | .0 | 349.2 | 13072 | 180 |
| 190 | -56.8 | 15 | .0 | 348.0 | 12716 | -57.3 | 20 | .0 | 347.2 | 12714 | -56.9 | 43 | .0 | 347.9 | 12737 | -56.5 | 24 | .0 | 348.4 | 12731 | 190 |
| 200 | -54.1 | 15 | .0 | 347.2 | 12389 | -54.5 | 20 | .0 | 346.6 | 12388 | -54.1 | 43 | .1 | 347.4 | 12410 | -53.8 | 24 | .0 | 347.7 | 12404 | 200 |
| 225 | -47.5 | 15 | .0 | 345.9 | 11622 | -47.8 | 23 | .1 | 345.5 | 11622 | -47.6 | 42 | .1 | 346.1 | 11643 | -47.4 | 24 | .1 | 346.2 | 11637 | 225 |
| 250 | -41.2 | 14 | .1 | 345.0 | 10917 | -41.8 | 25 | .1 | 344.4 | 10917 | -41.7 | 41 | .2 | 344.7 | 10938 | -41.2 | 32 | .1 | 345.4 | 10930 | 250 |
| 275 | -35.6 | 14 | .1 | 344.1 | 10261 | -36.3 | 20 | .1 | 343.2 | 10264 | -36.6 | 44 | .3 | 343.3 | 10285 | -36.5 | 18 | .1 | 342.7 | 10276 | 275 |
| 300 | -30.4 | 13 | .1 | 343.1 | 9649 | -31.2 | 15 | .1 | 342.0 | 9654 | -32.0 | 48 | .4 | 342.0 | 9676 | -31.4 | 16 | .1 | 341.8 | 9667 | 300 |
| 325 | -26.1 | 14 | .2 | 341.5 | 9075 | -25.6 | 16 | .2 | 342.4 | 9080 | -27.7 | 51 | .6 | 340.9 | 9106 | -27.9 | 33 | .4 | 339.8 | 9095 | 325 |
| 350 | -22.5 | 17 | .3 | 339.7 | 8535 | -21.8 | 17 | .3 | 340.6 | 8538 | -23.9 | 70 | 1.1 | 340.6 | 8569 | -24.3 | 35 | .5 | 338.0 | 8559 | 350 |
| 375 | -19.2 | 19 | .4 | 337.9 | 8025 | -18.7 | 18 | .4 | 338.5 | 8027 | -19.7 | 79 | 1.7 | 341.6 | 8061 | -20.7 | 35 | .7 | 336.9 | 8053 | 375 |
| 400 | -16.1 | 34 | .9 | 337.5 | 7543 | -16.3 | 59 | 1.6 | 339.5 | 7543 | -16.1 | 57 | 1.6 | 339.6 | 7578 | -17.1 | 32 | .8 | 335.7 | 7572 | 400 |
| 425 | -12.9 | 40 | 1.3 | 337.2 | 7083 | -13.2 | 66 | 2.2 | 339.6 | 7084 | -12.4 | 68 | 2.4 | 341.3 | 7118 | -14.1 | 62 | 1.9 | 337.4 | 7114 | 425 |
| 450 | -10.0 | 47 | 1.9 | 337.3 | 6645 | -10.8 | 74 | 2.8 | 339.2 | 6646 | -9.4 | 78 | 3.2 | 342.5 | 6678 | -11.4 | 98 | 3.5 | 340.6 | 6678 | 450 |
| 475 | -7.6 | 55 | 2.5 | 337.2 | 6225 | -8.1 | 76 | 3.3 | 339.2 | 6228 | -8.3 | 96 | 4.1 | 341.5 | 6258 | -9.0 | 91 | 3.7 | 339.2 | 6261 | 475 |
| 500 | -6.4 | 39 | 1.9 | 331.7 | 5825 | -5.0 | 72 | 3.8 | 339.6 | 5827 | -5.7 | 84 | 4.2 | 340.1 | 5857 | -6.7 | 85 | 3.9 | 337.8 | 5861 | 500 |
| 525 | -3.3 | 34 | 1.9 | 331.1 | 5441 | -3.5 | 63 | 3.5 | 336.0 | 5442 | -2.8 | 68 | 4.0 | 338.4 | 5472 | -3.5 | 46 | 2.6 | 332.9 | 5478 | 525 |
| 550 | -1.9 | 35 | 2.1 | 329.0 | 5072 | -2.0 | 53 | 3.2 | 332.3 | 5072 | -.1 | 53 | 3.7 | 336.1 | 5101 | -1.4 | 42 | 2.6 | 331.3 | 5108 | 550 |
| 575 | -.5 | 44 | 2.9 | 328.9 | 4717 | -.2 | 60 | 3.9 | 332.5 | 4718 | .4 | 76 | 5.2 | 337.3 | 4744 | -.3 | 82 | 5.3 | 336.8 | 4753 | 575 |
| 600 | .9 | 54 | 3.6 | 329.0 | 4376 | 1.7 | 71 | 5.1 | 334.4 | 4375 | 2.0 | 73 | 5.4 | 335.5 | 4401 | 2.3 | 67 | 5.1 | 335.0 | 4410 | 600 |
| 625 | 3.2 | 51 | 3.9 | 328.6 | 4046 | 4.0 | 62 | 5.1 | 333.2 | 4044 | 4.3 | 62 | 5.2 | 333.8 | 4070 | 4.7 | 53 | 4.6 | 332.6 | 4079 | 625 |
| 650 | 5.5 | 49 | 4.3 | 328.9 | 3727 | 6.3 | 53 | 4.9 | 331.6 | 3724 | 6.6 | 60 | 5.6 | 334.3 | 3749 | 6.8 | 52 | 4.9 | 332.4 | 3757 | 650 |
| 675 | 7.8 | 48 | 4.7 | 329.3 | 3417 | 8.4 | 52 | 5.3 | 331.8 | 3413 | 8.9 | 57 | 6.1 | 334.7 | 3437 | 9.1 | 47 | 5.1 | 332.0 | 3446 | 675 |
| 700 | 10.0 | 47 | 5.1 | 329.7 | 3115 | 10.4 | 51 | 5.8 | 332.1 | 3111 | 11.1 | 55 | 6.5 | 335.2 | 3135 | 11.3 | 44 | 5.3 | 331.9 | 3143 | 700 |
| 725 | 12.1 | 46 | 5.6 | 330.2 | 2822 | 12.8 | 49 | 6.2 | 333.1 | 2817 | 13.2 | 53 | 6.9 | 335.6 | 2840 | 13.4 | 46 | 6.1 | 333.3 | 2848 | 725 |
| 750 | 14.1 | 45 | 6.0 | 330.6 | 2537 | 15.2 | 46 | 6.7 | 334.0 | 2531 | 15.3 | 51 | 7.4 | 336.0 | 2554 | 15.4 | 47 | 6.9 | 334.9 | 2562 | 750 |
| 775 | 16.0 | 44 | 6.5 | 331.1 | 2259 | 17.5 | 44 | 7.2 | 334.9 | 2252 | 17.2 | 48 | 7.7 | 336.3 | 2274 | 16.8 | 50 | 7.9 | 336.1 | 2283 | 775 |
| 800 | 17.9 | 43 | 6.9 | 331.7 | 1989 | 19.7 | 42 | 7.6 | 335.7 | 1979 | 19.2 | 46 | 8.1 | 336.5 | 2002 | 17.2 | 57 | 8.9 | 336.3 | 2011 | 800 |
| 825 | 17.7 | 48 | 7.4 | 329.8 | 1725 | 19.0 | 52 | 8.8 | 335.2 | 1714 | 19.8 | 49 | 8.6 | 335.9 | 1737 | 17.6 | 64 | 9.8 | 336.5 | 1748 | 825 |
| 850 | 18.2 | 51 | 7.9 | 329.0 | 1470 | 18.3 | 62 | 9.7 | 334.0 | 1458 | 19.5 | 60 | 10.1 | 336.7 | 1480 | 17.1 | 95 | 13.8 | 344.1 | 1493 | 850 |
| 875 | 19.7 | 51 | 8.5 | 329.5 | 1221 | 19.9 | 65 | 10.9 | 336.4 | 1208 | 21.2 | 69 | 12.6 | 342.9 | 1229 | 19.0 | 88 | 14.0 | 344.1 | 1243 | 875 |
| 900 | 21.2 | 51 | 9.0 | 330.0 | 977 | 21.5 | 67 | 12.1 | 339.0 | 964 | 22.7 | 62 | 12.1 | 340.5 | 984 | 20.9 | 80 | 14.0 | 343.6 | 999 | 900 |
| 925 | 22.5 | 53 | 9.9 | 331.4 | 739 | 22.6 | 73 | 13.8 | 342.3 | 725 | 22.7 | 78 | 14.8 | 345.3 | 744 | 22.6 | 77 | 14.6 | 344.7 | 761 | 925 |
| 950 | 23.0 | 67 | 12.5 | 336.7 | 506 | 23.7 | 79 | 15.5 | 345.6 | 492 | 23.6 | 86 | 16.8 | 349.2 | 511 | 24.2 | 77 | 15.6 | 346.5 | 527 | 950 |
| 975 | 24.7 | 70 | 14.3 | 340.8 | 279 | 25.5 | 76 | 16.1 | 347.0 | 263 | 25.3 | 87 | 18.4 | 353.0 | 282 | 25.8 | 76 | 16.5 | 348.4 | 298 | 975 |
| 1000 | 27.3 | 65 | 15.0 | 343.7 | 55 | 27.2 | 73 | 16.7 | 348.2 | 39 | 27.1 | 87 | 20.0 | 356.9 | 58 | 27.3 | 75 | 17.5 | 350.4 | 74 | 1000 |
| SFC. | 27.9 | 64 | 15.2 | 344.4 | 0 | 27.5 | 72 | 16.8 | 348.4 | 0 | 27.5 | 87 | 20.4 | 358.0 | 0 | 27.8 | 75 | 17.8 | 351.0 | 0 | SFC. |
| | SURFACE PRESSURE 1006.2 | | | | | SURFACE PRESSURE 1004.4 | | | | | SURFACE PRESSURE 1006.5 | | | | | SURFACE PRESSURE 1008.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 2 1123 GMT T | RH | W | EPT | H | 4/ 2 1917 GMT T | RH | W | EPT | H | 4/ 2 2358 GMT T | RH | W | EPT | H | 4/ 3 610 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.5 | 0 | 0.0 | 464.2 | 19538 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 0 | 0.0 | 462.3 | 19515 | 60 |
| 70 | -68.8 | 0 | 0.0 | 437.2 | 18604 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.9 | 24 | .0 | 439.2 | 18585 | 70 |
| 80 | -75.9 | 0 | 0.0 | 406.3 | 17819 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 24 | .0 | 407.9 | 17797 | 80 |
| 90 | -77.1 | 20 | .0 | 390.5 | 17143 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.7 | 24 | .0 | 387.3 | 17120 | 90 |
| 100 | -76.1 | 19 | .0 | 380.7 | 16536 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.9 | 25 | .0 | 375.3 | 16523 | 100 |
| 110 | -78.0 | 20 | .0 | 366.9 | 15989 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 25 | .0 | 369.6 | 15978 | 110 |
| 120 | -75.5 | 19 | .0 | 362.5 | 15489 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.4 | 25 | .0 | 364.5 | 15474 | 120 |
| 130 | -75.2 | 19 | .0 | 354.7 | 15026 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.7 | 25 | .0 | 357.5 | 15007 | 130 |
| 140 | -71.8 | 19 | .0 | 353.4 | 14593 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.0 | 25 | .0 | 352.9 | 14573 | 140 |
| 150 | -68.6 | 19 | .0 | 352.0 | 14182 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.1 | 25 | .0 | 351.1 | 14164 | 150 |
| 160 | -65.6 | 18 | .0 | 350.7 | 13793 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.8 | 24 | .0 | 350.2 | 13775 | 160 |
| 170 | -62.7 | 18 | .0 | 349.4 | 13422 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.8 | 23 | .0 | 349.3 | 13404 | 170 |
| 180 | -60.1 | 18 | .0 | 348.1 | 13067 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.9 | 23 | .0 | 348.4 | 13049 | 180 |
| 190 | -57.0 | 18 | .0 | 347.6 | 12728 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.2 | 22 | .0 | 347.4 | 12710 | 190 |
| 200 | -54.1 | 17 | .0 | 347.2 | 12401 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.6 | 22 | .0 | 346.5 | 12383 | 200 |
| 225 | -47.1 | 16 | .0 | 346.5 | 11633 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.3 | 13 | .0 | 347.7 | 11619 | -48.0 | 20 | .0 | 345.2 | 11619 | 225 |
| 250 | -41.2 | 16 | .1 | 345.2 | 10926 | 0.0 | 0 | 0.0 | 0.0 | 0 | -40.9 | 12 | .1 | 345.6 | 10910 | -41.4 | 19 | .1 | 344.9 | 10914 | 250 |
| 275 | -37.1 | 18 | .1 | 341.9 | 10273 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.2 | 12 | .1 | 343.1 | 10256 | -35.5 | 18 | .1 | 344.4 | 10258 | 275 |
| 300 | -33.4 | 21 | .2 | 339.0 | 9667 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.8 | 11 | .1 | 342.4 | 9645 | -31.8 | 19 | .2 | 341.2 | 9647 | 300 |
| 325 | -29.5 | 83 | .9 | 339.3 | 9100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.5 | 18 | .2 | 339.7 | 9073 | -28.0 | 20 | .2 | 339.1 | 9077 | 325 |
| 350 | -24.6 | 59 | .9 | 338.9 | 8566 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.0 | 18 | .3 | 338.9 | 8535 | -23.6 | 20 | .3 | 338.2 | 8540 | 350 |
| 375 | -20.5 | 42 | .8 | 337.7 | 8060 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.2 | 21 | .5 | 338.0 | 8025 | -19.8 | 33 | .7 | 338.0 | 8032 | 375 |
| 400 | -17.0 | 78 | 2.0 | 339.9 | 7578 | 0.0 | 0 | 0.0 | 0.0 | 0 | -16.1 | 28 | .8 | 336.9 | 7542 | -16.6 | 61 | 1.6 | 339.1 | 7550 | 400 |
| 425 | -13.8 | 83 | 2.6 | 340.3 | 7120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -12.9 | 21 | .7 | 335.1 | 7083 | -12.9 | 35 | 1.2 | 336.7 | 7091 | 425 |
| 450 | -10.7 | 89 | 3.3 | 341.1 | 6683 | 0.0 | 0 | 0.0 | 0.0 | 0 | -10.1 | 32 | 1.3 | 335.0 | 6645 | -10.0 | 24 | .9 | 334.1 | 6653 | 450 |
| 475 | -7.8 | 93 | 4.2 | 342.3 | 6264 | 0.0 | 0 | 0.0 | 0.0 | 0 | -7.8 | 38 | 1.7 | 334.4 | 6226 | -7.5 | 20 | .9 | 331.9 | 6234 | 475 |
| 500 | -5.6 | 91 | 4.6 | 341.4 | 5862 | 0.0 | 0 | 0.0 | 0.0 | 0 | -5.6 | 40 | 2.0 | 333.2 | 5825 | -6.3 | 58 | 2.8 | 334.7 | 5833 | 500 |
| 525 | -3.8 | 57 | 3.1 | 334.4 | 5478 | 0.0 | 0 | 0.0 | 0.0 | 0 | -3.6 | 42 | 2.4 | 332.1 | 5441 | -4.1 | 51 | 2.7 | 332.7 | 5450 | 525 |
| 550 | -1.0 | 62 | 4.0 | 336.1 | 5108 | 0.0 | 0 | 0.0 | 0.0 | 0 | -1.7 | 44 | 2.7 | 331.2 | 5072 | -2.3 | 60 | 3.5 | 333.0 | 5081 | 550 |
| 575 | .4 | 71 | 4.9 | 336.1 | 4752 | 0.0 | 0 | 0.0 | 0.0 | 0 | .3 | 44 | 3.0 | 330.1 | 4717 | -.7 | 69 | 4.3 | 333.2 | 4727 | 575 |
| 600 | 2.6 | 65 | 5.0 | 335.2 | 4409 | 0.0 | 0 | 0.0 | 0.0 | 0 | 2.2 | 42 | 3.1 | 329.0 | 4374 | 1.1 | 72 | 5.0 | 333.3 | 4385 | 600 |
| 625 | 5.0 | 55 | 4.8 | 333.5 | 4077 | 0.0 | 0 | 0.0 | 0.0 | 0 | 4.1 | 40 | 3.3 | 327.9 | 4043 | 2.9 | 83 | 6.2 | 335.3 | 4055 | 625 |
| 650 | 7.4 | 47 | 4.6 | 332.2 | 3755 | 0.0 | 0 | 0.0 | 0.0 | 0 | 6.0 | 39 | 3.5 | 327.0 | 3723 | 4.7 | 75 | 6.2 | 333.6 | 3736 | 650 |
| 675 | 9.7 | 46 | 5.2 | 333.0 | 3443 | 0.0 | 0 | 0.0 | 0.0 | 0 | 8.0 | 38 | 3.7 | 326.7 | 3412 | 7.1 | 83 | 7.8 | 337.4 | 3426 | 675 |
| 700 | 12.0 | 45 | 5.7 | 333.8 | 3139 | 0.0 | 0 | 0.0 | 0.0 | 0 | 10.0 | 37 | 4.0 | 326.3 | 3111 | 9.1 | 80 | 8.3 | 337.8 | 3125 | 700 |
| 725 | 13.8 | 47 | 6.4 | 334.6 | 2844 | 0.0 | 0 | 0.0 | 0.0 | 0 | 11.5 | 39 | 4.6 | 326.6 | 2819 | 11.0 | 77 | 8.7 | 338.1 | 2833 | 725 |
| 750 | 15.0 | 50 | 7.2 | 335.3 | 2557 | 0.0 | 0 | 0.0 | 0.0 | 0 | 12.4 | 49 | 5.9 | 328.3 | 2535 | 12.9 | 74 | 9.2 | 338.3 | 2548 | 750 |
| 775 | 16.2 | 54 | 8.1 | 336.2 | 2279 | 0.0 | 0 | 0.0 | 0.0 | 0 | 13.2 | 60 | 7.3 | 330.1 | 2259 | 14.7 | 71 | 9.6 | 338.6 | 2271 | 775 |
| 800 | 17.4 | 58 | 9.0 | 337.1 | 2008 | 0.0 | 0 | 0.0 | 0.0 | 0 | 14.7 | 59 | 7.7 | 329.9 | 1991 | 15.5 | 72 | 10.1 | 337.8 | 2001 | 800 |
| 825 | 18.5 | 61 | 10.0 | 338.2 | 1744 | 0.0 | 0 | 0.0 | 0.0 | 0 | 16.7 | 49 | 7.2 | 327.8 | 1730 | 15.3 | 79 | 10.5 | 335.6 | 1740 | 825 |
| 850 | 18.7 | 77 | 12.3 | 341.8 | 1487 | 0.0 | 0 | 0.0 | 0.0 | 0 | 18.0 | 52 | 7.9 | 328.6 | 1474 | 17.0 | 76 | 11.0 | 336.0 | 1485 | 850 |
| 875 | 19.1 | 96 | 15.4 | 348.2 | 1237 | 0.0 | 0 | 0.0 | 0.0 | 0 | 19.1 | 56 | 8.9 | 330.0 | 1226 | 18.7 | 73 | 11.4 | 336.4 | 1236 | 875 |
| 900 | 20.8 | 93 | 16.2 | 349.6 | 993 | 18.5 | 79 | 11.8 | 334.4 | 996 | 20.2 | 60 | 10.0 | 331.6 | 983 | 20.4 | 70 | 11.7 | 336.6 | 993 | 900 |
| 925 | 22.5 | 90 | 16.9 | 350.9 | 754 | 19.8 | 72 | 11.4 | 332.3 | 760 | 21.2 | 64 | 11.1 | 333.2 | 745 | 22.0 | 67 | 12.1 | 336.7 | 755 | 925 |
| 950 | 24.1 | 87 | 17.6 | 352.1 | 520 | 21.1 | 66 | 11.0 | 330.1 | 529 | 23.2 | 63 | 11.9 | 335.0 | 513 | 23.5 | 64 | 12.5 | 337.2 | 523 | 950 |
| 975 | 25.7 | 84 | 18.3 | 353.3 | 291 | 23.5 | 64 | 12.0 | 333.2 | 303 | 25.2 | 60 | 12.5 | 336.7 | 285 | 25.0 | 70 | 14.6 | 342.3 | 294 | 975 |
| 1000 | 27.2 | 82 | 19.0 | 354.4 | 67 | 26.0 | 69 | 14.7 | 341.2 | 80 | 27.9 | 67 | 16.1 | 347.4 | 61 | 26.5 | 76 | 16.9 | 347.8 | 71 | 1000 |
| SFC. | 27.7 | 81 | 19.1 | 354.8 | 0 | 27.1 | 77 | 17.5 | 349.3 | 0 | 29.0 | 75 | 19.1 | 356.6 | 0 | 27.0 | 78 | 17.6 | 349.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1007.5 | | SURFACE PRESSURE | | | 1009.1 | | SURFACE PRESSURE | | | 1006.9 | | SURFACE PRESSURE | | | 1008.0 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 3 1150 GMT T | RH | W | EPT | H | 4/ 3 1450 GMT T | RH | W | EPT | H | 4/ 3 1810 GMT T | RH | W | EPT | H | 4/ 3 21 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.1 | 0 | 0.0 | 465.3 | 19560 | -63.9 | 0 | 0.0 | 467.9 | 19531 | -64.4 | 0 | 0.0 | 466.8 | 19578 | -62.3 | 0 | 0.0 | 471.5 | 19611 | 60 |
| 70 | -67.7 | 0 | 0.0 | 439.5 | 18626 | -67.6 | 0 | 0.0 | 439.7 | 18593 | -67.6 | 18 | .0 | 439.9 | 18636 | -71.9 | 0 | 0.0 | 430.6 | 18676 | 70 |
| 80 | -73.0 | 16 | .0 | 412.1 | 17830 | -71.5 | 0 | 0.0 | 415.4 | 17802 | -69.4 | 19 | .0 | 419.7 | 17836 | -69.3 | 0 | 0.0 | 419.8 | 17884 | 80 |
| 90 | -80.6 | 17 | .0 | 383.4 | 17153 | -78.2 | 18 | .0 | 388.2 | 17123 | -76.8 | 19 | .0 | 391.0 | 17146 | -78.5 | 18 | .0 | 387.6 | 17202 | 90 |
| 100 | -80.6 | 17 | .0 | 372.0 | 16559 | -80.2 | 20 | .0 | 372.8 | 16524 | -77.5 | 20 | .0 | 378.0 | 16543 | -75.8 | 18 | .0 | 381.3 | 16597 | 100 |
| 110 | -77.6 | 16 | .0 | 367.6 | 16018 | -77.8 | 19 | .0 | 367.4 | 15982 | -77.0 | 20 | .0 | 368.8 | 15996 | -74.6 | 18 | .0 | 373.4 | 16045 | 110 |
| 120 | -74.0 | 17 | .0 | 365.2 | 15515 | -75.5 | 18 | .0 | 362.4 | 15482 | -75.1 | 20 | .0 | 363.2 | 15494 | -73.4 | 18 | .0 | 366.3 | 15537 | 120 |
| 130 | -72.2 | 17 | .0 | 360.2 | 15046 | -73.1 | 18 | .0 | 358.6 | 15016 | -73.4 | 19 | .0 | 358.1 | 15027 | -72.3 | 18 | .0 | 360.0 | 15068 | 130 |
| 140 | -70.5 | 16 | .0 | 355.6 | 14608 | -70.2 | 18 | .0 | 356.2 | 14578 | -71.5 | 19 | .0 | 353.9 | 14592 | -70.3 | 18 | .0 | 356.0 | 14630 | 140 |
| 150 | -69.0 | 16 | .0 | 351.3 | 14197 | -67.5 | 18 | .0 | 353.9 | 14166 | -69.2 | 19 | .0 | 350.9 | 14182 | -68.4 | 18 | .0 | 352.3 | 14218 | 150 |
| 160 | -65.9 | 16 | .0 | 350.1 | 13809 | -65.0 | 18 | .0 | 351.7 | 13774 | -66.2 | 19 | .0 | 349.6 | 13794 | -65.6 | 18 | .0 | 350.6 | 13829 | 160 |
| 170 | -62.6 | 15 | .0 | 349.6 | 13438 | -62.6 | 18 | .0 | 349.6 | 13403 | -62.9 | 19 | .0 | 349.0 | 13424 | -62.2 | 18 | .0 | 350.2 | 13457 | 170 |
| 180 | -59.5 | 15 | .0 | 349.0 | 13083 | -59.5 | 18 | .0 | 349.0 | 13048 | -59.9 | 18 | .0 | 348.3 | 13069 | -59.0 | 18 | .0 | 349.8 | 13102 | 180 |
| 190 | -56.5 | 15 | .0 | 348.4 | 12742 | -56.5 | 18 | .0 | 348.4 | 12707 | -57.0 | 18 | .0 | 347.7 | 12729 | -56.0 | 18 | .0 | 349.3 | 12760 | 190 |
| 200 | -53.7 | 15 | .0 | 347.8 | 12415 | -53.7 | 18 | .0 | 347.8 | 12380 | -54.0 | 18 | .0 | 347.4 | 12403 | -53.1 | 18 | .0 | 348.8 | 12432 | 200 |
| 225 | -47.3 | 14 | .0 | 346.2 | 11647 | -47.3 | 18 | .0 | 346.2 | 11612 | -47.0 | 17 | .0 | 346.7 | 11634 | -46.2 | 17 | .0 | 348.0 | 11661 | 225 |
| 250 | -41.0 | 14 | .1 | 345.4 | 10940 | -41.6 | 18 | .1 | 344.6 | 10906 | -40.7 | 16 | .1 | 345.9 | 10927 | -40.2 | 19 | .1 | 346.7 | 10951 | 250 |
| 275 | -35.1 | 13 | .1 | 344.8 | 10284 | -36.4 | 18 | .1 | 343.0 | 10252 | -36.7 | 17 | .1 | 342.5 | 10272 | -35.3 | 25 | .2 | 344.8 | 10294 | 275 |
| 300 | -31.1 | 16 | .1 | 342.1 | 9671 | -32.2 | 19 | .2 | 340.7 | 9643 | -32.7 | 18 | .1 | 339.9 | 9665 | -30.8 | 30 | .3 | 343.2 | 9682 | 300 |
| 325 | -27.7 | 17 | .2 | 339.3 | 9101 | -27.9 | 21 | .2 | 339.2 | 9074 | -28.6 | 18 | .2 | 338.1 | 9096 | -26.6 | 34 | .5 | 341.8 | 9109 | 325 |
| 350 | -23.0 | 15 | .3 | 338.7 | 8563 | -23.7 | 29 | .5 | 338.6 | 8537 | -23.8 | 17 | .3 | 337.8 | 8560 | -22.8 | 39 | .7 | 340.6 | 8569 | 350 |
| 375 | -19.5 | 19 | .4 | 337.4 | 8054 | -21.2 | 55 | 1.0 | 337.4 | 8030 | -19.3 | 17 | .4 | 337.5 | 8052 | -19.7 | 36 | .8 | 338.4 | 8060 | 375 |
| 400 | -16.6 | 57 | 1.5 | 338.8 | 7572 | -16.8 | 63 | 1.6 | 338.9 | 7550 | -16.5 | 30 | .8 | 336.5 | 7570 | -16.5 | 36 | .9 | 337.0 | 7578 | 400 |
| 425 | -12.5 | 28 | 1.0 | 336.4 | 7112 | -13.1 | 62 | 2.0 | 339.4 | 7091 | -12.8 | 32 | 1.1 | 336.5 | 7111 | -13.5 | 49 | 1.6 | 337.2 | 7119 | 425 |
| 450 | -10.8 | 43 | 1.6 | 335.3 | 6674 | -10.8 | 56 | 2.1 | 337.0 | 6653 | -9.2 | 34 | 1.4 | 336.7 | 6672 | -10.5 | 26 | 1.0 | 333.6 | 6682 | 450 |
| 475 | -8.9 | 90 | 3.7 | 339.4 | 6257 | -7.9 | 39 | 1.7 | 334.3 | 6235 | -7.0 | 27 | 1.3 | 333.8 | 6251 | -7.7 | 24 | 1.1 | 332.4 | 6264 | 475 |
| 500 | -6.2 | 70 | 3.4 | 336.8 | 5857 | -5.7 | 57 | 2.9 | 335.9 | 5835 | -5.1 | 21 | 1.1 | 330.8 | 5850 | -5.0 | 24 | 1.3 | 331.5 | 5863 | 500 |
| 525 | -3.7 | 58 | 3.2 | 334.6 | 5473 | -3.4 | 46 | 2.6 | 333.2 | 5450 | -2.6 | 32 | 1.9 | 331.9 | 5465 | -2.4 | 25 | 1.5 | 330.8 | 5477 | 525 |
| 550 | -1.6 | 87 | 5.4 | 339.6 | 5104 | -1.4 | 76 | 4.8 | 337.9 | 5080 | -.2 | 42 | 2.9 | 333.5 | 5094 | .0 | 25 | 1.7 | 330.1 | 5106 | 550 |
| 575 | 1.0 | 84 | 6.0 | 340.5 | 4747 | .2 | 92 | 6.2 | 339.9 | 4724 | 1.0 | 54 | 3.9 | 333.8 | 4737 | 2.0 | 31 | 2.3 | 330.3 | 4749 | 575 |
| 600 | 3.0 | 86 | 6.8 | 341.1 | 4403 | 1.5 | 98 | 7.0 | 339.6 | 4381 | 2.2 | 64 | 4.8 | 334.1 | 4394 | 2.9 | 52 | 4.1 | 332.7 | 4405 | 600 |
| 625 | 4.5 | 89 | 7.5 | 341.0 | 4070 | 4.0 | 93 | 7.6 | 340.6 | 4050 | 3.6 | 70 | 5.6 | 334.1 | 4063 | 4.8 | 52 | 4.5 | 332.4 | 4073 | 625 |
| 650 | 7.0 | 74 | 7.2 | 339.3 | 3748 | 6.3 | 74 | 6.9 | 337.6 | 3729 | 5.4 | 63 | 5.5 | 332.4 | 3743 | 6.7 | 52 | 4.9 | 332.1 | 3751 | 650 |
| 675 | 8.0 | 76 | 7.6 | 338.0 | 3437 | 8.2 | 62 | 6.3 | 334.6 | 3418 | 7.3 | 60 | 5.7 | 331.5 | 3433 | 8.4 | 52 | 5.3 | 332.0 | 3440 | 675 |
| 700 | 10.3 | 68 | 7.7 | 337.6 | 3135 | 10.0 | 65 | 7.1 | 335.7 | 3116 | 9.1 | 61 | 6.4 | 332.2 | 3132 | 10.2 | 52 | 5.8 | 331.8 | 3138 | 700 |
| 725 | 12.0 | 70 | 8.5 | 338.8 | 2841 | 10.3 | 97 | 10.5 | 342.4 | 2823 | 10.8 | 63 | 7.1 | 333.1 | 2840 | 11.8 | 52 | 6.2 | 331.8 | 2845 | 725 |
| 750 | 13.5 | 76 | 9.8 | 341.0 | 2556 | 11.8 | 89 | 10.3 | 340.2 | 2539 | 12.5 | 65 | 7.9 | 334.1 | 2556 | 13.4 | 52 | 6.7 | 331.8 | 2560 | 750 |
| 775 | 14.9 | 81 | 11.2 | 343.4 | 2278 | 12.6 | 93 | 11.1 | 340.3 | 2264 | 14.1 | 67 | 8.7 | 335.2 | 2280 | 14.9 | 52 | 7.2 | 331.9 | 2283 | 775 |
| 800 | 16.3 | 86 | 12.7 | 346.0 | 2008 | 13.8 | 96 | 12.0 | 341.0 | 1996 | 15.7 | 68 | 9.6 | 336.5 | 2010 | 15.9 | 58 | 8.2 | 332.8 | 2014 | 800 |
| 825 | 17.2 | 90 | 13.5 | 346.4 | 1744 | 15.8 | 89 | 12.3 | 341.1 | 1734 | 17.2 | 70 | 10.5 | 337.8 | 1748 | 16.8 | 63 | 9.2 | 333.8 | 1752 | 825 |
| 850 | 18.0 | 93 | 14.3 | 346.5 | 1488 | 17.5 | 89 | 13.3 | 343.1 | 1479 | 18.7 | 71 | 11.4 | 339.3 | 1491 | 17.7 | 68 | 10.2 | 334.8 | 1496 | 850 |
| 875 | 18.9 | 95 | 15.1 | 346.9 | 1238 | 19.1 | 90 | 14.5 | 345.4 | 1229 | 18.3 | 74 | 11.2 | 335.4 | 1242 | 19.1 | 69 | 11.0 | 335.8 | 1247 | 875 |
| 900 | 20.5 | 94 | 16.0 | 348.7 | 994 | 20.6 | 91 | 15.7 | 347.8 | 985 | 19.4 | 81 | 12.9 | 338.7 | 999 | 20.6 | 69 | 11.7 | 336.9 | 1004 | 900 |
| 925 | 22.1 | 92 | 17.0 | 350.5 | 756 | 22.1 | 92 | 16.9 | 350.3 | 747 | 21.1 | 82 | 14.1 | 341.3 | 762 | 22.1 | 68 | 12.5 | 337.9 | 766 | 925 |
| 950 | 23.6 | 91 | 18.0 | 352.4 | 522 | 23.5 | 93 | 18.2 | 352.9 | 513 | 22.8 | 83 | 15.3 | 344.1 | 529 | 23.5 | 68 | 13.2 | 339.1 | 533 | 950 |
| 975 | 25.1 | 90 | 18.9 | 354.2 | 293 | 25.0 | 94 | 19.5 | 355.6 | 284 | 24.4 | 83 | 16.6 | 347.0 | 301 | 24.9 | 68 | 13.9 | 340.3 | 305 | 975 |
| 1000 | 26.6 | 89 | 19.9 | 356.1 | 69 | 26.3 | 92 | 20.1 | 356.1 | 60 | 26.0 | 84 | 18.0 | 350.0 | 78 | 27.8 | 71 | 16.9 | 349.4 | 81 | 1000 |
| SFC. | 27.0 | 89 | 20.2 | 356.7 | 0 | 26.6 | 91 | 20.2 | 356.3 | 0 | 26.5 | 84 | 18.5 | 351.1 | 0 | 29.0 | 72 | 18.3 | 354.0 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.8 | SURFACE PRESSURE | | | | 1006.8 | SURFACE PRESSURE | | | | 1008.8 | SURFACE PRESSURE | | | | 1009.1 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 3 2353 GMT T | RH | W | EPT | H | 4/ 4 312 GMT T | RH | W | EPT | H | 4/ 4 617 GMT T | RH | W | EPT | H | 4/ 4 9 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.4 | 0 | 0.0 | 471.2 | 19545 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.9 | 24 | .0 | 474.9 | 19540 | -62.9 | 0 | 0.0 | 470.1 | 19564 | 60 |
| 70 | -70.8 | 15 | .0 | 433.0 | 18609 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.5 | 25 | .0 | 442.3 | 18595 | -64.2 | 0 | 0.0 | 447.0 | 18615 | 70 |
| 80 | -75.0 | 15 | .0 | 408.1 | 17824 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 25 | .0 | 408.5 | 17804 | -75.6 | 0 | 0.0 | 406.8 | 17825 | 80 |
| 90 | -79.3 | 15 | .0 | 385.9 | 17153 | -79.1 | 18 | .0 | 386.4 | 17208 | -82.4 | 25 | .0 | 379.8 | 17136 | -82.1 | 19 | .0 | 380.4 | 17165 | 90 |
| 100 | -76.3 | 15 | .0 | 380.3 | 16550 | -75.9 | 17 | .0 | 381.1 | 16605 | -77.8 | 25 | .0 | 377.4 | 16540 | -75.6 | 20 | .0 | 381.7 | 16565 | 100 |
| 110 | -75.3 | 15 | .0 | 372.0 | 15999 | -73.5 | 17 | .0 | 375.3 | 16051 | -75.3 | 24 | .0 | 372.1 | 15992 | -75.3 | 21 | .0 | 371.9 | 16014 | 110 |
| 120 | -73.6 | 15 | .0 | 366.0 | 15492 | -72.2 | 17 | .0 | 368.5 | 15540 | -73.6 | 24 | .0 | 366.0 | 15485 | -77.4 | 20 | .0 | 359.0 | 15511 | 120 |
| 130 | -72.6 | 15 | .0 | 359.5 | 15024 | -72.2 | 17 | .0 | 360.2 | 15069 | -74.6 | 22 | .0 | 355.9 | 15018 | -74.1 | 20 | .0 | 356.9 | 15048 | 130 |
| 140 | -69.8 | 15 | .0 | 356.8 | 14586 | -69.3 | 17 | .0 | 357.8 | 14629 | -71.5 | 23 | .0 | 353.8 | 14584 | -71.0 | 20 | .0 | 354.8 | 14612 | 140 |
| 150 | -67.1 | 15 | .0 | 354.6 | 14172 | -66.5 | 17 | .0 | 355.6 | 14215 | -68.7 | 23 | .0 | 351.8 | 14174 | -68.1 | 20 | .0 | 352.8 | 14201 | 150 |
| 160 | -64.5 | 15 | .0 | 352.4 | 13781 | -63.9 | 17 | .0 | 353.4 | 13822 | -66.0 | 24 | .0 | 349.9 | 13785 | -65.4 | 20 | .0 | 350.9 | 13811 | 160 |
| 170 | -61.8 | 15 | .0 | 350.8 | 13408 | -61.0 | 17 | .0 | 352.3 | 13448 | -62.8 | 23 | .0 | 349.3 | 13414 | -62.2 | 19 | .0 | 350.2 | 13439 | 170 |
| 180 | -58.7 | 15 | .0 | 350.2 | 13052 | -58.1 | 16 | .0 | 351.3 | 13090 | -59.7 | 23 | .0 | 348.6 | 13059 | -59.1 | 19 | .0 | 349.6 | 13084 | 180 |
| 190 | -55.8 | 14 | .0 | 349.6 | 12710 | -55.4 | 16 | .0 | 350.3 | 12747 | -56.9 | 22 | .0 | 347.9 | 12719 | -56.1 | 18 | .0 | 349.1 | 12742 | 190 |
| 200 | -53.0 | 14 | .0 | 348.9 | 12381 | -52.8 | 15 | .0 | 349.3 | 12418 | -54.1 | 22 | .0 | 347.2 | 12392 | -53.3 | 18 | .0 | 348.5 | 12414 | 200 |
| 225 | -46.4 | 14 | .0 | 347.6 | 11610 | -46.3 | 15 | .0 | 347.8 | 11647 | -47.9 | 20 | .0 | 345.4 | 11626 | -46.7 | 17 | .0 | 347.2 | 11645 | 225 |
| 250 | -40.5 | 13 | .1 | 346.2 | 10902 | -39.9 | 14 | .1 | 347.0 | 10938 | -41.6 | 19 | .1 | 344.5 | 10921 | -40.6 | 17 | .1 | 346.0 | 10937 | 250 |
| 275 | -35.2 | 13 | .1 | 344.6 | 10245 | -34.3 | 13 | .1 | 346.0 | 10279 | -35.9 | 18 | .1 | 343.8 | 10267 | -35.1 | 17 | .1 | 344.8 | 10280 | 275 |
| 300 | -31.5 | 14 | .1 | 341.5 | 9634 | -30.4 | 17 | .2 | 343.3 | 9665 | -30.8 | 19 | .2 | 342.7 | 9656 | -30.4 | 18 | .2 | 343.4 | 9667 | 300 |
| 325 | -27.1 | 15 | .2 | 340.1 | 9063 | -26.8 | 20 | .3 | 340.9 | 9091 | -27.5 | 26 | .3 | 340.1 | 9084 | -27.8 | 29 | .4 | 339.8 | 9095 | 325 |
| 350 | -23.0 | 15 | .3 | 338.8 | 8524 | -22.7 | 18 | .3 | 339.4 | 8552 | -24.3 | 29 | .4 | 337.7 | 8547 | -23.9 | 23 | .4 | 337.9 | 8559 | 350 |
| 375 | -19.4 | 16 | .3 | 337.3 | 8015 | -18.9 | 16 | .4 | 338.1 | 8042 | -20.3 | 19 | .4 | 336.3 | 8040 | -19.7 | 17 | .4 | 336.9 | 8051 | 375 |
| 400 | -16.5 | 19 | .5 | 335.5 | 7533 | -15.6 | 32 | .9 | 338.1 | 7558 | -17.2 | 42 | 1.0 | 336.5 | 7559 | -16.0 | 15 | .4 | 335.8 | 7568 | 400 |
| 425 | -13.3 | 34 | 1.1 | 335.9 | 7074 | -12.2 | 39 | 1.4 | 338.2 | 7098 | -13.7 | 45 | 1.4 | 336.5 | 7101 | -13.2 | 28 | .9 | 335.4 | 7109 | 425 |
| 450 | -10.6 | 36 | 1.4 | 334.9 | 6636 | -9.7 | 49 | 2.0 | 338.1 | 6658 | -10.6 | 49 | 1.9 | 336.4 | 6664 | -10.4 | 49 | 1.9 | 336.8 | 6671 | 450 |
| 475 | -8.3 | 25 | 1.1 | 331.6 | 6218 | -7.3 | 52 | 2.4 | 337.2 | 6239 | -8.2 | 55 | 2.4 | 336.1 | 6245 | -8.2 | 69 | 3.0 | 338.0 | 6253 | 475 |
| 500 | -6.2 | 23 | 1.1 | 329.5 | 5819 | -4.7 | 38 | 2.0 | 334.4 | 5837 | -5.8 | 60 | 3.0 | 335.9 | 5845 | -6.0 | 72 | 3.5 | 337.5 | 5852 | 500 |
| 525 | -3.9 | 30 | 1.6 | 329.4 | 5435 | -2.5 | 36 | 2.2 | 332.9 | 5451 | -3.2 | 40 | 2.3 | 332.5 | 5460 | -2.6 | 26 | 1.6 | 330.7 | 5468 | 525 |
| 550 | -.6 | 21 | 1.4 | 328.4 | 5066 | -.1 | 47 | 3.3 | 334.8 | 5080 | -1.5 | 61 | 3.8 | 334.8 | 5091 | -1.1 | 34 | 2.1 | 330.1 | 5098 | 550 |
| 575 | 1.4 | 32 | 2.3 | 329.5 | 4709 | 1.9 | 61 | 4.7 | 337.4 | 4723 | .1 | 77 | 5.2 | 336.6 | 4735 | .6 | 65 | 4.5 | 335.4 | 4742 | 575 |
| 600 | 2.5 | 49 | 3.7 | 331.2 | 4366 | 2.5 | 77 | 5.9 | 337.8 | 4378 | 1.8 | 72 | 5.3 | 335.0 | 4393 | 2.0 | 81 | 6.0 | 337.5 | 4398 | 600 |
| 625 | 3.8 | 57 | 4.6 | 331.5 | 4035 | 4.6 | 68 | 5.8 | 336.0 | 4046 | 3.8 | 81 | 6.5 | 337.3 | 4061 | 3.3 | 90 | 7.0 | 338.2 | 4067 | 625 |
| 650 | 5.2 | 58 | 5.0 | 330.6 | 3715 | 6.1 | 64 | 5.8 | 334.3 | 3725 | 5.8 | 81 | 7.2 | 338.0 | 3741 | 5.6 | 80 | 7.0 | 337.1 | 3747 | 650 |
| 675 | 6.6 | 59 | 5.3 | 329.8 | 3406 | 7.7 | 64 | 6.3 | 333.8 | 3415 | 7.8 | 76 | 7.5 | 337.5 | 3430 | 7.8 | 73 | 7.2 | 336.7 | 3437 | 675 |
| 700 | 8.6 | 58 | 5.8 | 329.9 | 3106 | 9.5 | 68 | 7.2 | 335.2 | 3113 | 9.6 | 72 | 7.7 | 336.9 | 3129 | 9.9 | 71 | 7.8 | 337.5 | 3135 | 700 |
| 725 | 10.6 | 56 | 6.2 | 330.3 | 2814 | 11.7 | 62 | 7.4 | 335.2 | 2821 | 11.4 | 67 | 7.9 | 336.2 | 2836 | 12.0 | 69 | 8.4 | 338.4 | 2841 | 725 |
| 750 | 12.5 | 55 | 6.7 | 330.7 | 2530 | 13.8 | 58 | 7.6 | 335.0 | 2535 | 13.2 | 63 | 8.0 | 335.4 | 2551 | 14.0 | 35 | 4.6 | 326.3 | 2556 | 750 |
| 775 | 14.4 | 54 | 7.2 | 331.1 | 2254 | 15.8 | 54 | 7.8 | 334.7 | 2258 | 14.5 | 68 | 9.2 | 337.0 | 2274 | 14.8 | 49 | 6.7 | 330.2 | 2279 | 775 |
| 800 | 15.9 | 54 | 7.8 | 331.6 | 1985 | 15.8 | 69 | 9.8 | 337.3 | 1988 | 15.7 | 74 | 10.4 | 339.0 | 2004 | 15.5 | 71 | 9.8 | 336.9 | 2010 | 800 |
| 825 | 16.9 | 59 | 8.7 | 332.5 | 1722 | 16.6 | 78 | 11.2 | 339.3 | 1725 | 17.1 | 76 | 11.3 | 340.1 | 1741 | 16.7 | 75 | 10.9 | 338.4 | 1748 | 825 |
| 850 | 17.9 | 63 | 9.6 | 333.4 | 1467 | 18.1 | 79 | 12.3 | 341.2 | 1470 | 17.8 | 86 | 13.0 | 342.7 | 1486 | 18.7 | 64 | 10.3 | 336.4 | 1492 | 850 |
| 875 | 18.2 | 68 | 10.2 | 332.5 | 1218 | 19.6 | 81 | 13.4 | 343.3 | 1220 | 19.0 | 87 | 13.8 | 343.5 | 1236 | 20.2 | 55 | 9.4 | 332.7 | 1242 | 875 |
| 900 | 19.3 | 68 | 10.7 | 332.6 | 976 | 21.1 | 83 | 14.6 | 345.5 | 975 | 20.6 | 85 | 14.6 | 344.8 | 992 | 20.7 | 64 | 10.9 | 334.8 | 998 | 900 |
| 925 | 21.0 | 67 | 11.4 | 333.6 | 739 | 22.5 | 84 | 15.8 | 347.8 | 737 | 22.3 | 82 | 15.3 | 346.0 | 754 | 21.1 | 90 | 15.5 | 344.9 | 760 | 925 |
| 950 | 22.5 | 66 | 12.0 | 334.6 | 507 | 23.9 | 85 | 17.1 | 350.3 | 503 | 23.9 | 80 | 16.0 | 347.3 | 520 | 22.9 | 89 | 16.7 | 347.8 | 528 | 950 |
| 975 | 24.1 | 65 | 12.6 | 335.6 | 280 | 25.7 | 84 | 18.1 | 352.9 | 274 | 25.5 | 78 | 16.6 | 348.4 | 292 | 24.7 | 82 | 16.7 | 347.6 | 300 | 975 |
| 1000 | 27.1 | 73 | 16.7 | 348.0 | 57 | 27.8 | 80 | 19.1 | 355.4 | 49 | 27.0 | 76 | 17.3 | 349.6 | 67 | 26.4 | 75 | 16.6 | 346.8 | 76 | 1000 |
| SFC. | 28.5 | 78 | 19.3 | 356.5 | 0 | 28.2 | 79 | 19.3 | 356.0 | 0 | 27.5 | 75 | 17.5 | 349.9 | 0 | 27.0 | 73 | 16.5 | 346.4 | 0 | SFC. |
| | SURFACE PRESSURE 1006.4 | | | | | SURFACE PRESSURE 1005.5 | | | | | SURFACE PRESSURE 1007.6 | | | | | SURFACE PRESSURE 1008.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 4/ 4 1115 GMT | | | | | 4/ 5 19 0 GMT | | | | | 4/ 5 2332 GMT | | | | | 4/ 6 553 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.8 | 0 | 0.0 | 470.3 | 19568 | -63.1 | 0 | 0.0 | 469.7 | 19556 | -64.9 | 0 | 0.0 | 465.6 | 19641 | 60 |
| 70 | -65.2 | 0 | 0.0 | 444.8 | 18611 | -68.8 | 15 | .0 | 437.2 | 18638 | -67.5 | 0 | 0.0 | 440.0 | 18617 | -69.5 | 0 | 0.0 | 435.7 | 18715 | 70 |
| 80 | -70.5 | 25 | .0 | 417.3 | 17805 | -73.4 | 16 | .0 | 411.5 | 17841 | -72.8 | 15 | .0 | 412.6 | 17822 | -71.1 | 21 | .0 | 416.2 | 17922 | 80 |
| 90 | -81.0 | 25 | .0 | 382.7 | 17126 | -77.9 | 16 | .0 | 388.9 | 17162 | -78.8 | 16 | .0 | 387.0 | 17141 | -75.8 | 21 | .0 | 393.0 | 17230 | 90 |
| 100 | -79.0 | 24 | .0 | 375.1 | 16530 | -80.3 | 16 | .0 | 372.6 | 16564 | -81.4 | 16 | .0 | 370.5 | 16548 | -80.0 | 21 | .0 | 373.2 | 16631 | 100 |
| 110 | -78.5 | 25 | .0 | 366.0 | 15987 | -78.6 | 16 | .0 | 365.7 | 16023 | -79.7 | 16 | .0 | 363.7 | 16011 | -78.4 | 21 | .0 | 366.2 | 16089 | 110 |
| 120 | -78.0 | 26 | .0 | 357.8 | 15490 | -77.1 | 16 | .0 | 359.5 | 15525 | -76.7 | 15 | .0 | 360.3 | 15511 | -76.3 | 21 | .0 | 361.0 | 15591 | 120 |
| 130 | -75.1 | 25 | .0 | 354.9 | 15031 | -74.3 | 16 | .0 | 356.4 | 15062 | -74.4 | 15 | .0 | 356.3 | 15048 | -73.3 | 21 | .0 | 358.3 | 15126 | 130 |
| 140 | -71.5 | 23 | .0 | 353.9 | 14597 | -70.8 | 16 | .0 | 355.0 | 14627 | -71.8 | 15 | .0 | 353.4 | 14614 | -70.4 | 21 | .0 | 355.8 | 14689 | 140 |
| 150 | -68.0 | 22 | .0 | 352.9 | 14186 | -67.6 | 16 | .0 | 353.6 | 14215 | -68.2 | 15 | .0 | 352.7 | 14204 | -67.1 | 21 | .0 | 354.5 | 14276 | 150 |
| 160 | -64.8 | 21 | .0 | 351.9 | 13795 | -64.6 | 16 | .0 | 352.3 | 13824 | -64.8 | 15 | .0 | 351.9 | 13813 | -63.8 | 21 | .0 | 353.6 | 13884 | 160 |
| 170 | -61.7 | 20 | .0 | 351.1 | 13423 | -61.8 | 16 | .0 | 351.0 | 13451 | -61.6 | 15 | .0 | 351.1 | 13440 | -60.7 | 20 | .0 | 352.7 | 13509 | 170 |
| 180 | -58.7 | 20 | .0 | 350.4 | 13066 | -59.0 | 16 | .0 | 349.7 | 13095 | -58.7 | 14 | .0 | 350.3 | 13084 | -57.8 | 20 | .0 | 351.8 | 13151 | 180 |
| 190 | -55.8 | 20 | .0 | 349.7 | 12724 | -56.4 | 15 | .0 | 348.6 | 12754 | -55.8 | 14 | .0 | 349.5 | 12742 | -55.0 | 20 | .0 | 350.9 | 12808 | 190 |
| 200 | -53.0 | 21 | .0 | 348.9 | 12396 | -54.0 | 15 | .0 | 347.4 | 12426 | -53.2 | 14 | .0 | 348.7 | 12414 | -52.4 | 20 | .0 | 350.0 | 12478 | 200 |
| 225 | -46.8 | 21 | .1 | 347.1 | 11625 | -46.7 | 14 | .0 | 347.1 | 11658 | -46.9 | 14 | .0 | 346.7 | 11644 | -46.4 | 19 | .1 | 347.6 | 11707 | 225 |
| 250 | -41.0 | 20 | .1 | 345.5 | 10918 | -40.1 | 14 | .1 | 346.7 | 10949 | -40.4 | 14 | .1 | 346.2 | 10936 | -40.3 | 18 | .1 | 346.5 | 10998 | 250 |
| 275 | -35.0 | 21 | .1 | 345.1 | 10262 | -34.2 | 13 | .1 | 346.2 | 10291 | -34.5 | 14 | .1 | 345.6 | 10278 | -34.5 | 17 | .1 | 345.8 | 10340 | 275 |
| 300 | -32.0 | 32 | .3 | 341.4 | 9649 | -28.7 | 13 | .2 | 345.6 | 9675 | -29.2 | 13 | .2 | 344.9 | 9663 | -29.0 | 17 | .2 | 345.3 | 9725 | 300 |
| 325 | -27.9 | 34 | .4 | 339.8 | 9079 | -24.8 | 13 | .2 | 343.3 | 9097 | -24.2 | 13 | .2 | 344.2 | 9086 | -23.8 | 16 | .3 | 345.0 | 9146 | 325 |
| 350 | -24.5 | 32 | .5 | 337.6 | 8544 | -21.9 | 13 | .3 | 340.3 | 8554 | -19.8 | 13 | .3 | 343.3 | 8540 | -19.2 | 16 | .4 | 344.4 | 8600 | 350 |
| 375 | -20.2 | 25 | .5 | 336.8 | 8037 | -20.7 | 16 | .3 | 335.5 | 8047 | -19.6 | 14 | .3 | 336.8 | 8029 | -17.1 | 17 | .4 | 340.8 | 8084 | 375 |
| 400 | -16.2 | 19 | .5 | 335.9 | 7555 | -16.8 | 16 | .4 | 334.7 | 7566 | -16.1 | 15 | .4 | 335.7 | 7546 | -14.9 | 17 | .5 | 337.6 | 7598 | 400 |
| 425 | -14.1 | 50 | 1.5 | 336.2 | 7096 | -12.4 | 15 | .5 | 335.0 | 7107 | -11.9 | 14 | .5 | 335.6 | 7086 | -10.6 | 17 | .7 | 337.8 | 7136 | 425 |
| 450 | -10.2 | 52 | 2.0 | 337.5 | 6659 | -8.6 | 13 | .6 | 334.5 | 6667 | -8.4 | 18 | .8 | 335.6 | 6645 | -6.6 | 16 | .8 | 338.1 | 6693 | 450 |
| 475 | -8.7 | 78 | 3.3 | 338.2 | 6241 | -6.8 | 15 | .7 | 332.2 | 6246 | -6.1 | 30 | 1.5 | 335.9 | 6224 | -4.4 | 18 | 1.0 | 336.3 | 6268 | 475 |
| 500 | -6.4 | 65 | 3.1 | 335.5 | 5842 | -5.0 | 21 | 1.1 | 330.9 | 5845 | -4.9 | 53 | 2.8 | 336.5 | 5822 | -3.5 | 91 | 5.4 | 346.5 | 5863 | 500 |
| 525 | -3.4 | 39 | 2.2 | 331.9 | 5457 | -3.2 | 28 | 1.6 | 330.3 | 5460 | -3.3 | 54 | 3.1 | 334.9 | 5437 | -.4 | 87 | 6.1 | 348.0 | 5474 | 525 |
| 550 | -1.3 | 41 | 2.5 | 331.1 | 5088 | -1.7 | 40 | 2.4 | 330.3 | 5090 | -1.6 | 52 | 3.2 | 332.8 | 5067 | .7 | 66 | 4.8 | 340.7 | 5101 | 550 |
| 575 | -.1 | 62 | 4.1 | 333.3 | 4733 | .7 | 44 | 3.1 | 331.1 | 4735 | .4 | 38 | 2.6 | 329.2 | 4712 | 1.9 | 53 | 4.1 | 335.5 | 4743 | 575 |
| 600 | 1.8 | 70 | 5.1 | 334.4 | 4390 | 2.8 | 49 | 3.9 | 331.9 | 4392 | 2.3 | 43 | 3.2 | 329.2 | 4369 | 3.6 | 69 | 5.7 | 338.4 | 4398 | 600 |
| 625 | 3.3 | 89 | 6.9 | 337.7 | 4059 | 4.3 | 59 | 4.9 | 333.1 | 4060 | 4.1 | 47 | 3.8 | 329.4 | 4038 | 6.0 | 66 | 6.2 | 339.0 | 4064 | 625 |
| 650 | 5.2 | 87 | 7.4 | 337.9 | 3739 | 6.3 | 60 | 5.6 | 333.6 | 3739 | 5.8 | 51 | 4.5 | 329.8 | 3718 | 8.5 | 52 | 5.6 | 336.6 | 3741 | 650 |
| 675 | 7.1 | 83 | 7.8 | 337.7 | 3429 | 8.5 | 56 | 5.8 | 333.2 | 3428 | 7.4 | 55 | 5.2 | 330.3 | 3408 | 10.5 | 41 | 4.8 | 332.9 | 3428 | 675 |
| 700 | 9.0 | 80 | 8.2 | 337.6 | 3128 | 10.1 | 59 | 6.6 | 334.2 | 3126 | 9.4 | 50 | 5.3 | 329.5 | 3107 | 11.8 | 32 | 4.0 | 328.4 | 3124 | 700 |
| 725 | 10.8 | 77 | 8.6 | 337.4 | 2836 | 11.2 | 65 | 7.4 | 334.6 | 2833 | 11.1 | 23 | 2.6 | 320.1 | 2815 | 12.9 | 49 | 6.3 | 333.2 | 2830 | 725 |
| 750 | 13.6 | 40 | 5.3 | 327.7 | 2552 | 12.6 | 37 | 4.4 | 324.2 | 2549 | 13.1 | 24 | 3.0 | 320.5 | 2531 | 12.0 | 72 | 8.5 | 335.2 | 2545 | 750 |
| 775 | 14.9 | 48 | 6.5 | 329.9 | 2275 | 14.7 | 23 | 3.1 | 319.6 | 2273 | 13.7 | 32 | 4.0 | 321.2 | 2255 | 14.6 | 94 | 12.8 | 347.6 | 2268 | 775 |
| 800 | 16.1 | 59 | 8.5 | 333.8 | 2005 | 15.3 | 43 | 5.8 | 325.4 | 2004 | 14.3 | 45 | 5.7 | 323.9 | 1987 | 16.1 | 96 | 14.0 | 349.5 | 1998 | 800 |
| 825 | 17.4 | 65 | 9.9 | 336.6 | 1742 | 15.9 | 62 | 8.6 | 330.9 | 1743 | 14.9 | 63 | 8.1 | 328.5 | 1727 | 17.4 | 96 | 14.6 | 349.8 | 1734 | 825 |
| 850 | 20.0 | 48 | 8.2 | 331.9 | 1486 | 17.2 | 71 | 10.3 | 334.4 | 1488 | 16.6 | 66 | 9.3 | 330.9 | 1473 | 18.6 | 95 | 15.3 | 350.2 | 1477 | 850 |
| 875 | 19.9 | 57 | 9.6 | 332.9 | 1235 | 18.9 | 71 | 11.3 | 336.4 | 1240 | 18.4 | 68 | 10.3 | 333.1 | 1225 | 19.8 | 95 | 16.0 | 350.6 | 1227 | 875 |
| 900 | 19.6 | 85 | 13.7 | 341.2 | 992 | 20.6 | 72 | 12.4 | 338.7 | 996 | 20.1 | 69 | 11.4 | 335.5 | 982 | 21.0 | 94 | 16.6 | 351.0 | 982 | 900 |
| 925 | 21.3 | 87 | 15.2 | 344.5 | 755 | 22.2 | 73 | 13.5 | 341.0 | 758 | 21.8 | 70 | 12.6 | 338.0 | 744 | 22.6 | 90 | 17.0 | 351.2 | 743 | 925 |
| 950 | 23.3 | 83 | 15.9 | 346.3 | 522 | 23.8 | 74 | 14.7 | 343.6 | 525 | 23.0 | 73 | 13.7 | 339.7 | 511 | 24.2 | 85 | 17.3 | 351.2 | 509 | 950 |
| 975 | 25.3 | 79 | 16.6 | 347.9 | 293 | 25.4 | 75 | 15.9 | 346.2 | 296 | 25.6 | 64 | 13.7 | 340.5 | 283 | 25.7 | 81 | 17.5 | 351.1 | 280 | 975 |
| 1000 | 27.2 | 74 | 17.1 | 349.4 | 69 | 27.2 | 74 | 17.2 | 349.7 | 72 | 28.7 | 66 | 16.5 | 349.7 | 59 | 27.1 | 77 | 17.7 | 350.8 | 56 | 1000 |
| SFC. | 27.8 | 73 | 17.3 | 349.8 | 0 | 28.0 | 80 | 19.2 | 355.3 | 0 | 29.8 | 72 | 19.2 | 358.0 | 0 | 27.5 | 76 | 17.7 | 350.7 | 0 | SFC. |
| | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1006.6 | | | | | SURFACE PRESSURE 1006.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 6 1115 GMT T | RH | W | EPT | H | 4/ 6 1511 GMT T | RH | W | EPT | H | 4/ 6 1856 GMT T | RH | W | EPT | H | 4/ 6 2050 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.8 | 0 | 0.0 | 465.9 | 19590 | -67.0 | 0 | 0.0 | 460.9 | 19574 | -64.4 | 0 | 0.0 | 466.8 | 19610 | -64.7 | 0 | 0.0 | 466.1 | 19664 | 60 |
| 70 | -68.2 | 0 | 0.0 | 438.6 | 18662 | -67.8 | 0 | 0.0 | 439.3 | 18645 | -65.7 | 0 | 0.0 | 443.8 | 18675 | -65.3 | 0 | 0.0 | 444.6 | 18725 | 70 |
| 80 | -73.2 | 21 | .0 | 411.8 | 17866 | -72.0 | 20 | .0 | 414.2 | 17847 | -71.4 | 30 | .0 | 415.5 | 17871 | -70.1 | 11 | .0 | 418.2 | 17919 | 80 |
| 90 | -76.7 | 20 | .0 | 391.1 | 17177 | -77.2 | 20 | .0 | 390.2 | 17162 | -78.3 | 31 | .0 | 388.0 | 17187 | -76.0 | 12 | .0 | 392.5 | 17229 | 90 |
| 100 | -81.4 | 20 | .0 | 370.5 | 16582 | -81.8 | 20 | .0 | 369.7 | 16565 | -80.0 | 31 | .0 | 373.2 | 16589 | -79.1 | 12 | .0 | 374.9 | 16628 | 100 |
| 110 | -79.1 | 20 | .0 | 364.9 | 16042 | -79.4 | 20 | .0 | 364.3 | 16028 | -75.6 | 31 | .0 | 371.4 | 16044 | -76.1 | 12 | .0 | 370.5 | 16082 | 110 |
| 120 | -76.4 | 20 | .0 | 360.8 | 15544 | -76.3 | 20 | .0 | 361.0 | 15530 | -75.3 | 31 | .0 | 362.9 | 15538 | -75.5 | 11 | .0 | 362.5 | 15578 | 120 |
| 130 | -73.4 | 19 | .0 | 358.0 | 15080 | -72.9 | 20 | .0 | 358.9 | 15065 | -72.9 | 31 | .0 | 358.9 | 15073 | -72.7 | 11 | .0 | 359.2 | 15113 | 130 |
| 140 | -70.7 | 19 | .0 | 355.3 | 14643 | -69.8 | 20 | .0 | 356.9 | 14627 | -69.4 | 31 | .0 | 357.6 | 14635 | -69.5 | 11 | .0 | 357.4 | 14674 | 140 |
| 150 | -67.8 | 19 | .0 | 353.3 | 14232 | -66.9 | 19 | .0 | 354.9 | 14213 | -66.0 | 31 | .0 | 356.4 | 14219 | -66.5 | 11 | .0 | 355.5 | 14260 | 150 |
| 160 | -64.7 | 19 | .0 | 352.1 | 13840 | -64.1 | 19 | .0 | 353.1 | 13821 | -62.9 | 31 | .0 | 355.1 | 13825 | -63.7 | 11 | .0 | 353.8 | 13866 | 160 |
| 170 | -61.8 | 19 | .0 | 351.0 | 13468 | -61.6 | 19 | .0 | 351.3 | 13447 | -60.0 | 31 | .0 | 353.9 | 13449 | -60.7 | 10 | .0 | 352.8 | 13492 | 170 |
| 180 | -59.0 | 19 | .0 | 349.8 | 13112 | -59.1 | 19 | .0 | 349.6 | 13091 | -57.3 | 31 | .0 | 352.7 | 13090 | -57.8 | 10 | .0 | 351.7 | 13134 | 180 |
| 190 | -56.4 | 19 | .0 | 348.6 | 12770 | -56.1 | 19 | .0 | 349.1 | 12750 | -54.7 | 31 | .0 | 351.5 | 12746 | -54.9 | 10 | .0 | 351.0 | 12790 | 190 |
| 200 | -53.7 | 19 | .0 | 347.8 | 12443 | -53.1 | 18 | .0 | 348.7 | 12422 | -52.2 | 31 | .0 | 350.4 | 12416 | -52.2 | 10 | .0 | 350.3 | 12461 | 200 |
| 225 | -47.2 | 18 | .0 | 346.5 | 11675 | -46.3 | 17 | .0 | 347.7 | 11651 | -46.5 | 31 | .1 | 347.6 | 11644 | -45.8 | 10 | .0 | 348.4 | 11687 | 225 |
| 250 | -41.1 | 17 | .1 | 345.4 | 10968 | -40.3 | 16 | .1 | 346.5 | 10942 | -41.2 | 31 | .1 | 345.4 | 10937 | -40.2 | 10 | .0 | 346.5 | 10977 | 250 |
| 275 | -35.1 | 17 | .1 | 344.9 | 10312 | -34.8 | 15 | .1 | 345.3 | 10284 | -36.0 | 32 | .2 | 343.9 | 10282 | -34.9 | 10 | .1 | 344.9 | 10320 | 275 |
| 300 | -29.6 | 16 | .2 | 344.5 | 9698 | -29.7 | 14 | .2 | 344.1 | 9670 | -31.3 | 33 | .3 | 342.5 | 9672 | -30.1 | 10 | .1 | 343.4 | 9707 | 300 |
| 325 | -24.5 | 16 | .3 | 343.9 | 9121 | -25.1 | 13 | .2 | 342.9 | 9094 | -26.7 | 34 | .4 | 341.6 | 9100 | -25.8 | 10 | .1 | 341.8 | 9132 | 325 |
| 350 | -19.9 | 16 | .4 | 343.4 | 8577 | -20.8 | 12 | .3 | 341.7 | 8551 | -22.0 | 35 | .7 | 341.6 | 8560 | -22.6 | 10 | .2 | 339.1 | 8591 | 350 |
| 375 | -16.4 | 14 | .4 | 341.6 | 8061 | -20.1 | 15 | .3 | 336.2 | 8040 | -18.5 | 41 | 1.0 | 340.8 | 8048 | -19.6 | 10 | .2 | 336.5 | 8082 | 375 |
| 400 | -16.1 | 17 | .5 | 335.9 | 7575 | -16.9 | 14 | .4 | 334.4 | 7558 | -16.0 | 50 | 1.4 | 339.2 | 7564 | -14.8 | 30 | .9 | 339.2 | 7599 | 400 |
| 425 | -12.1 | 16 | .6 | 335.6 | 7115 | -12.6 | 13 | .4 | 334.5 | 7099 | -13.0 | 49 | 1.6 | 338.0 | 7105 | -11.9 | 37 | 1.3 | 338.5 | 7138 | 425 |
| 450 | -11.9 | 14 | .5 | 330.1 | 6678 | -8.6 | 12 | .5 | 334.5 | 6660 | -10.1 | 50 | 2.0 | 337.4 | 6667 | -9.6 | 44 | 1.8 | 337.5 | 6698 | 450 |
| 475 | -8.3 | 67 | 2.9 | 337.5 | 6261 | -7.8 | 55 | 2.4 | 336.7 | 6239 | -8.0 | 61 | 2.7 | 337.4 | 6248 | -7.3 | 50 | 2.3 | 336.9 | 6279 | 475 |
| 500 | -5.5 | 99 | 5.1 | 343.0 | 5860 | -6.4 | 83 | 4.0 | 338.4 | 5839 | -5.9 | 72 | 3.6 | 337.7 | 5847 | -4.3 | 70 | 3.9 | 340.9 | 5876 | 500 |
| 525 | -2.5 | 99 | 6.7 | 345.1 | 5474 | -3.9 | 88 | 4.8 | 339.4 | 5455 | -3.9 | 78 | 4.3 | 337.8 | 5463 | -2.8 | 72 | 4.3 | 339.2 | 5490 | 525 |
| 550 | -.9 | 99 | 6.5 | 343.8 | 5103 | -2.8 | 89 | 5.0 | 337.0 | 5086 | -1.8 | 79 | 4.8 | 337.5 | 5094 | -.9 | 69 | 4.5 | 337.7 | 5119 | 550 |
| 575 | 1.2 | 73 | 5.3 | 338.5 | 4746 | -.2 | 88 | 5.8 | 338.3 | 4731 | .1 | 79 | 5.3 | 337.2 | 4738 | .9 | 67 | 4.7 | 336.3 | 4763 | 575 |
| 600 | 2.7 | 90 | 7.0 | 341.3 | 4402 | 2.3 | 88 | 6.6 | 339.7 | 4388 | 2.0 | 80 | 5.9 | 337.0 | 4395 | 2.8 | 58 | 4.5 | 333.9 | 4419 | 600 |
| 625 | 5.1 | 73 | 6.4 | 338.6 | 4069 | 3.8 | 61 | 4.9 | 332.5 | 4057 | 3.8 | 80 | 6.4 | 337.0 | 4064 | 5.1 | 41 | 3.6 | 330.1 | 4087 | 625 |
| 650 | 7.2 | 57 | 5.6 | 334.9 | 3747 | 6.2 | 55 | 5.0 | 332.0 | 3736 | 5.6 | 70 | 6.1 | 334.5 | 3743 | 7.3 | 28 | 2.7 | 326.3 | 3765 | 650 |
| 675 | 9.0 | 61 | 6.5 | 336.1 | 3435 | 8.0 | 58 | 5.8 | 332.9 | 3425 | 7.4 | 58 | 5.6 | 331.4 | 3433 | 9.4 | 21 | 2.3 | 323.7 | 3454 | 675 |
| 700 | 11.0 | 73 | 8.6 | 341.1 | 3132 | 9.7 | 63 | 6.8 | 334.4 | 3124 | 9.1 | 56 | 5.8 | 330.7 | 3133 | 11.1 | 44 | 5.3 | 331.4 | 3151 | 700 |
| 725 | 12.9 | 22 | 2.8 | 322.8 | 2838 | 11.0 | 72 | 8.2 | 336.5 | 2831 | 10.7 | 58 | 6.4 | 331.0 | 2841 | 12.4 | 32 | 4.0 | 325.7 | 2858 | 725 |
| 750 | 14.2 | 30 | 4.9 | 324.8 | 2553 | 12.6 | 46 | 5.6 | 327.5 | 2547 | 11.2 | 66 | 7.4 | 331.1 | 2557 | 13.8 | 47 | 6.2 | 330.9 | 2572 | 750 |
| 775 | 15.3 | 42 | 6.0 | 328.7 | 2276 | 14.4 | 45 | 6.0 | 327.7 | 2271 | 12.7 | 80 | 9.6 | 336.0 | 2282 | 15.2 | 54 | 7.5 | 333.1 | 2295 | 775 |
| 800 | 15.8 | 87 | 12.3 | 344.3 | 2006 | 13.7 | 97 | 12.1 | 341.1 | 2002 | 14.2 | 86 | 11.0 | 338.7 | 2014 | 16.5 | 60 | 8.8 | 335.4 | 2025 | 800 |
| 825 | 16.8 | 97 | 14.3 | 348.0 | 1743 | 15.6 | 97 | 13.2 | 343.4 | 1741 | 15.7 | 88 | 12.0 | 340.4 | 1753 | 17.8 | 66 | 10.3 | 338.0 | 1762 | 825 |
| 850 | 17.9 | 97 | 14.9 | 348.1 | 1487 | 17.3 | 97 | 14.4 | 345.9 | 1486 | 17.5 | 83 | 12.4 | 340.7 | 1497 | 19.1 | 71 | 11.7 | 340.8 | 1505 | 850 |
| 875 | 19.0 | 97 | 15.5 | 348.1 | 1237 | 19.1 | 95 | 15.3 | 347.9 | 1236 | 19.3 | 79 | 12.7 | 340.8 | 1248 | 20.3 | 77 | 13.3 | 343.8 | 1254 | 875 |
| 900 | 20.3 | 96 | 16.2 | 349.0 | 993 | 20.9 | 90 | 15.8 | 348.6 | 992 | 20.9 | 74 | 13.0 | 340.7 | 1004 | 21.8 | 79 | 14.6 | 346.2 | 1010 | 900 |
| 925 | 22.2 | 93 | 17.2 | 351.3 | 755 | 22.7 | 85 | 16.2 | 349.1 | 753 | 21.8 | 81 | 14.6 | 343.4 | 766 | 23.4 | 79 | 15.6 | 348.4 | 770 | 925 |
| 950 | 24.0 | 91 | 18.2 | 353.6 | 521 | 24.4 | 81 | 16.5 | 349.4 | 519 | 23.5 | 73 | 14.1 | 341.4 | 533 | 24.9 | 79 | 16.7 | 350.6 | 536 | 950 |
| 975 | 25.8 | 88 | 19.2 | 355.9 | 292 | 26.0 | 76 | 16.8 | 349.6 | 290 | 24.7 | 69 | 14.0 | 340.1 | 305 | 26.3 | 75 | 16.8 | 349.9 | 306 | 975 |
| 1000 | 27.5 | 86 | 20.2 | 358.2 | 67 | 26.5 | 84 | 18.6 | 352.6 | 65 | 25.5 | 75 | 15.7 | 343.1 | 82 | 27.4 | 78 | 18.1 | 352.3 | 82 | 1000 |
| SFC. | 28.0 | 85 | 20.5 | 358.9 | 0 | 26.7 | 86 | 19.2 | 353.5 | 0 | 25.5 | 88 | 18.2 | 349.1 | 0 | 27.5 | 85 | 19.8 | 356.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1007.5 | | SURFACE PRESSURE | | | 1007.4 | | SURFACE PRESSURE | | | 1009.3 | | SURFACE PRESSURE | | | 1009.2 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 6 2349 GMT T | RH | W | EPT | H | 4/ 7 416 GMT T | RH | W | EPT | H | 4/ 7 659 GMT T | RH | W | EPT | H | 4/ 7 915 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.3 | 0 | 0.0 | 462.5 | 19633 | -68.1 | 0 | 0.0 | 458.5 | 19539 | -69.4 | 20 | .0 | 455.7 | 19548 | -68.1 | 0 | 0.0 | 458.5 | 19647 | 60 |
| 70 | -66.6 | 14 | .0 | 442.0 | 18699 | -68.1 | 0 | 0.0 | 438.7 | 18614 | -70.4 | 20 | .0 | 433.8 | 18631 | -69.8 | 0 | 0.0 | 435.1 | 18726 | 70 |
| 80 | -70.0 | 14 | .0 | 418.4 | 17896 | -70.5 | 0 | 0.0 | 417.3 | 17816 | -71.3 | 20 | .0 | 415.7 | 17840 | -72.2 | 14 | .0 | 413.9 | 17939 | 80 |
| 90 | -77.1 | 14 | .0 | 390.3 | 17207 | -76.3 | 16 | .0 | 391.9 | 17123 | -76.3 | 20 | .0 | 392.0 | 17148 | -75.9 | 15 | .0 | 392.7 | 17253 | 90 |
| 100 | -79.4 | 14 | .0 | 374.3 | 16609 | -81.1 | 18 | .0 | 371.1 | 16525 | -80.3 | 20 | .0 | 372.6 | 16548 | -79.3 | 16 | .0 | 374.5 | 16649 | 100 |
| 110 | -75.5 | 14 | .0 | 371.6 | 16063 | -77.7 | 18 | .0 | 367.4 | 15985 | -78.5 | 20 | .0 | 365.9 | 16007 | -76.4 | 16 | .0 | 369.9 | 16104 | 110 |
| 120 | -76.2 | 14 | .0 | 361.2 | 15560 | -74.7 | 18 | .0 | 364.0 | 15483 | -76.9 | 19 | .0 | 359.9 | 15509 | -75.0 | 16 | .0 | 363.5 | 15600 | 120 |
| 130 | -72.7 | 14 | .0 | 359.3 | 15094 | -75.3 | 17 | .0 | 354.6 | 15019 | -74.7 | 19 | .0 | 355.7 | 15047 | -73.5 | 16 | .0 | 357.8 | 15135 | 130 |
| 140 | -69.5 | 13 | .0 | 357.4 | 14656 | -72.2 | 16 | .0 | 352.7 | 14586 | -71.6 | 19 | .0 | 353.6 | 14613 | -70.5 | 16 | .0 | 355.7 | 14698 | 140 |
| 150 | -66.5 | 13 | .0 | 355.5 | 14242 | -69.1 | 16 | .0 | 351.1 | 14177 | -68.6 | 19 | .0 | 351.9 | 14203 | -67.6 | 15 | .0 | 353.7 | 14286 | 150 |
| 160 | -63.7 | 13 | .0 | 353.8 | 13848 | -65.8 | 16 | .0 | 350.2 | 13788 | -65.6 | 19 | .0 | 350.5 | 13813 | -64.9 | 15 | .0 | 351.8 | 13895 | 160 |
| 170 | -61.1 | 12 | .0 | 352.1 | 13474 | -62.8 | 16 | .0 | 349.3 | 13417 | -62.8 | 19 | .0 | 349.2 | 13442 | -61.8 | 15 | .0 | 350.9 | 13522 | 170 |
| 180 | -58.6 | 12 | .0 | 350.4 | 13117 | -59.9 | 16 | .0 | 348.4 | 13063 | -60.1 | 19 | .0 | 347.9 | 13088 | -58.9 | 15 | .0 | 350.0 | 13166 | 180 |
| 190 | -55.6 | 12 | .0 | 349.8 | 12775 | -57.1 | 15 | .0 | 347.5 | 12723 | -57.6 | 19 | .0 | 346.6 | 12749 | -56.1 | 14 | .0 | 349.1 | 12825 | 190 |
| 200 | -52.8 | 12 | .0 | 349.2 | 12446 | -54.5 | 15 | .0 | 346.5 | 12396 | -54.9 | 18 | .0 | 346.0 | 12423 | -53.5 | 14 | .0 | 348.2 | 12497 | 200 |
| 225 | -46.4 | 12 | .0 | 347.6 | 11675 | -48.3 | 15 | .0 | 344.7 | 11632 | -48.1 | 17 | .0 | 345.0 | 11658 | -47.0 | 13 | .0 | 346.6 | 11728 | 225 |
| 250 | -40.3 | 12 | .1 | 346.3 | 10966 | -41.8 | 14 | .1 | 344.1 | 10928 | -42.0 | 15 | .1 | 343.9 | 10955 | -40.6 | 12 | .1 | 345.9 | 11021 | 250 |
| 275 | -34.7 | 11 | .1 | 345.3 | 10308 | -36.1 | 13 | .1 | 343.3 | 10274 | -36.3 | 15 | .1 | 343.0 | 10302 | -34.8 | 10 | .1 | 345.1 | 10363 | 275 |
| 300 | -29.6 | 11 | .1 | 344.2 | 9694 | -31.0 | 14 | .1 | 342.2 | 9664 | -31.1 | 14 | .1 | 342.1 | 9691 | -29.7 | 10 | .1 | 344.0 | 9750 | 300 |
| 325 | -24.9 | 10 | .2 | 343.1 | 9118 | -26.4 | 14 | .2 | 341.1 | 9091 | -26.5 | 14 | .2 | 340.9 | 9119 | -25.1 | 10 | .2 | 342.8 | 9173 | 325 |
| 350 | -20.5 | 10 | .2 | 342.0 | 8574 | -22.1 | 15 | .3 | 340.1 | 8550 | -22.4 | 14 | .3 | 339.6 | 8579 | -20.7 | 10 | .2 | 341.7 | 8630 | 350 |
| 375 | -16.7 | 17 | .5 | 341.3 | 8060 | -18.1 | 16 | .4 | 339.1 | 8039 | -18.6 | 14 | .3 | 338.3 | 8068 | -16.7 | 10 | .3 | 340.6 | 8116 | 375 |
| 400 | -13.2 | 24 | .8 | 341.0 | 7572 | -15.1 | 41 | 1.2 | 339.8 | 7554 | -15.0 | 14 | .4 | 337.1 | 7584 | -13.0 | 10 | .4 | 339.5 | 7628 | 400 |
| 425 | -10.9 | 34 | 1.3 | 339.8 | 7108 | -12.1 | 48 | 1.7 | 339.5 | 7092 | -11.9 | 31 | 1.1 | 337.9 | 7122 | -10.3 | 25 | 1.0 | 339.4 | 7163 | 425 |
| 450 | -8.7 | 43 | 1.9 | 339.0 | 6667 | -9.3 | 46 | 1.9 | 338.3 | 6653 | -8.7 | 32 | 1.4 | 337.4 | 6682 | -7.6 | 27 | 1.3 | 338.4 | 6721 | 450 |
| 475 | -6.9 | 49 | 2.4 | 337.6 | 6246 | -6.3 | 42 | 2.1 | 337.6 | 6232 | -6.1 | 29 | 1.5 | 335.8 | 6261 | -4.9 | 16 | .9 | 335.1 | 6298 | 475 |
| 500 | -5.2 | 52 | 2.7 | 335.9 | 5844 | -5.2 | 70 | 3.7 | 339.0 | 5829 | -4.1 | 40 | 2.3 | 335.8 | 5858 | -3.4 | 52 | 3.1 | 339.3 | 5894 | 500 |
| 525 | -3.3 | 54 | 3.1 | 334.8 | 5459 | -3.5 | 72 | 4.0 | 337.5 | 5444 | -3.3 | 66 | 3.8 | 336.9 | 5472 | -2.2 | 76 | 4.7 | 341.4 | 5507 | 525 |
| 550 | .1 | 49 | 3.4 | 335.7 | 5089 | -1.5 | 58 | 3.6 | 334.3 | 5074 | -.9 | 53 | 3.4 | 334.5 | 5102 | .0 | 56 | 3.9 | 336.9 | 5135 | 550 |
| 575 | 1.7 | 50 | 3.8 | 334.5 | 4731 | .6 | 54 | 3.8 | 333.0 | 4719 | 1.1 | 51 | 3.7 | 333.4 | 4746 | 1.8 | 53 | 4.1 | 335.5 | 4777 | 575 |
| 600 | 3.3 | 52 | 4.2 | 333.5 | 4387 | 2.6 | 52 | 4.0 | 332.1 | 4375 | 3.0 | 49 | 3.9 | 332.4 | 4402 | 3.5 | 61 | 5.0 | 336.2 | 4433 | 600 |
| 625 | 5.3 | 44 | 3.9 | 331.3 | 4054 | 4.8 | 51 | 4.4 | 332.3 | 4044 | 4.9 | 47 | 4.1 | 331.2 | 4070 | 5.7 | 44 | 4.0 | 332.2 | 4100 | 625 |
| 650 | 7.6 | 32 | 3.2 | 328.2 | 3732 | 7.0 | 31 | 3.0 | 326.8 | 3722 | 6.7 | 25 | 2.4 | 324.4 | 3749 | 8.0 | 19 | 2.0 | 324.7 | 3778 | 650 |
| 675 | 9.7 | 22 | 2.4 | 324.5 | 3420 | 9.2 | 18 | 2.0 | 322.5 | 3411 | 8.8 | 26 | 2.7 | 324.4 | 3438 | 10.1 | 18 | 2.0 | 323.8 | 3465 | 675 |
| 700 | 11.5 | 16 | 1.9 | 321.7 | 3118 | 11.3 | 19 | 2.2 | 322.4 | 3109 | 11.0 | 33 | 3.9 | 327.3 | 3136 | 12.1 | 21 | 2.6 | 324.6 | 3162 | 700 |
| 725 | 12.9 | 18 | 2.3 | 321.2 | 2824 | 13.0 | 23 | 2.9 | 323.2 | 2815 | 14.0 | 21 | 2.8 | 324.1 | 2842 | 14.0 | 24 | 3.3 | 325.5 | 2867 | 725 |
| 750 | 14.2 | 20 | 2.7 | 320.8 | 2539 | 14.5 | 28 | 3.8 | 324.7 | 2530 | 15.2 | 26 | 3.7 | 325.0 | 2556 | 15.9 | 27 | 4.0 | 326.7 | 2581 | 750 |
| 775 | 14.9 | 35 | 4.8 | 324.8 | 2262 | 16.0 | 33 | 4.9 | 326.3 | 2252 | 16.3 | 31 | 4.7 | 326.1 | 2277 | 17.7 | 29 | 4.8 | 328.0 | 2301 | 775 |
| 800 | 15.4 | 52 | 7.1 | 329.1 | 1993 | 17.0 | 43 | 6.6 | 329.7 | 1982 | 17.2 | 41 | 6.4 | 329.2 | 2007 | 18.8 | 41 | 6.9 | 332.6 | 2029 | 800 |
| 825 | 16.5 | 60 | 8.6 | 331.6 | 1731 | 17.8 | 57 | 8.9 | 333.9 | 1719 | 17.9 | 56 | 8.8 | 334.0 | 1744 | 19.1 | 64 | 10.8 | 341.2 | 1765 | 825 |
| 850 | 18.2 | 60 | 9.3 | 332.9 | 1476 | 18.4 | 70 | 11.1 | 338.2 | 1462 | 18.4 | 79 | 12.5 | 342.2 | 1487 | 19.4 | 86 | 14.5 | 349.0 | 1507 | 850 |
| 875 | 19.7 | 61 | 10.2 | 334.3 | 1227 | 19.4 | 80 | 13.0 | 341.8 | 1213 | 19.9 | 83 | 14.0 | 345.1 | 1237 | 20.8 | 89 | 15.9 | 351.6 | 1256 | 875 |
| 900 | 21.3 | 62 | 11.0 | 335.8 | 983 | 20.9 | 82 | 14.3 | 344.3 | 969 | 21.4 | 84 | 15.2 | 347.4 | 993 | 22.4 | 88 | 16.8 | 353.3 | 1011 | 900 |
| 925 | 22.8 | 63 | 11.9 | 337.4 | 744 | 22.4 | 84 | 15.6 | 347.1 | 730 | 22.9 | 85 | 16.4 | 349.8 | 753 | 23.9 | 87 | 17.8 | 355.1 | 770 | 925 |
| 950 | 24.2 | 64 | 12.9 | 339.1 | 511 | 23.8 | 85 | 17.0 | 350.0 | 496 | 24.3 | 86 | 17.6 | 352.3 | 519 | 25.4 | 86 | 18.7 | 356.9 | 535 | 950 |
| 975 | 25.6 | 65 | 13.8 | 340.8 | 282 | 25.6 | 85 | 18.2 | 352.9 | 267 | 25.6 | 86 | 18.6 | 354.0 | 290 | 26.9 | 84 | 19.7 | 358.6 | 305 | 975 |
| 1000 | 28.2 | 75 | 18.5 | 354.6 | 58 | 27.4 | 82 | 19.3 | 355.8 | 43 | 25.9 | 76 | 16.2 | 345.2 | 66 | 28.3 | 83 | 20.6 | 360.4 | 79 | 1000 |
| SFC. | 29.5 | 83 | 21.9 | 365.0 | 0 | 27.8 | 82 | 19.6 | 356.3 | 0 | 26.0 | 73 | 15.5 | 342.6 | 0 | 28.8 | 83 | 20.9 | 361.1 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1006.5 | SURFACE PRESSURE | | | | 1004.8 | SURFACE PRESSURE | | | | 1007.5 | SURFACE PRESSURE | | | | 1008.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 7 1138 GMT T | RH | W | EPT | H | 4/ 7 1814 GMT T | RH | W | EPT | H | 4/ 8 051 GMT T | RH | W | EPT | H | 4/ 8 545 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.6 | 0 | 0.0 | 459.5 | 19581 | -63.9 | 0 | 0.0 | 467.9 | 19579 | -65.9 | 0 | 0.0 | 463.4 | 19637 | -65.5 | 0 | 0.0 | 464.3 | 19512 | 60 |
| 70 | -69.4 | 16 | .0 | 436.0 | 18659 | -66.6 | 17 | .0 | 442.0 | 18641 | -69.0 | 0 | 0.0 | 436.8 | 18708 | -69.5 | 0 | 0.0 | 435.7 | 18585 | 70 |
| 80 | -73.9 | 17 | .0 | 410.4 | 17871 | -72.1 | 16 | .0 | 414.1 | 17845 | -71.7 | 0 | 0.0 | 415.0 | 17915 | -73.5 | 23 | .0 | 411.1 | 17791 | 80 |
| 90 | -77.9 | 17 | .0 | 388.9 | 17191 | -80.1 | 17 | .0 | 384.4 | 17161 | -79.1 | 0 | 0.0 | 386.5 | 17227 | -80.0 | 25 | .0 | 384.6 | 17112 | 90 |
| 100 | -81.4 | 18 | .0 | 370.5 | 16594 | -80.9 | 16 | .0 | 371.4 | 16570 | -80.0 | 15 | .0 | 373.2 | 16632 | -83.0 | 24 | .0 | 367.4 | 16523 | 100 |
| 110 | -77.5 | 17 | .0 | 367.8 | 16054 | -77.4 | 17 | .0 | 368.1 | 16028 | -77.4 | 15 | .0 | 368.1 | 16089 | -80.2 | 24 | .0 | 362.7 | 15991 | 110 |
| 120 | -75.3 | 17 | .0 | 362.8 | 15552 | -75.7 | 16 | .0 | 362.1 | 15526 | -75.0 | 15 | .0 | 363.5 | 15587 | -77.8 | 24 | .0 | 358.3 | 15496 | 120 |
| 130 | -73.9 | 17 | .0 | 357.2 | 15087 | -73.3 | 16 | .0 | 358.3 | 15061 | -72.7 | 15 | .0 | 359.2 | 15120 | -75.1 | 24 | .0 | 355.0 | 15035 | 130 |
| 140 | -70.6 | 17 | .0 | 355.4 | 14651 | -70.4 | 16 | .0 | 355.8 | 14624 | -70.2 | 15 | .0 | 356.2 | 14683 | -71.9 | 24 | .0 | 353.3 | 14602 | 140 |
| 150 | -67.6 | 17 | .0 | 353.7 | 14239 | -67.8 | 17 | .0 | 353.4 | 14212 | -66.7 | 15 | .0 | 355.2 | 14269 | -68.7 | 24 | .0 | 351.8 | 14192 | 150 |
| 160 | -64.7 | 17 | .0 | 352.1 | 13848 | -64.8 | 17 | .0 | 351.9 | 13821 | -63.4 | 14 | .0 | 354.3 | 13876 | -65.4 | 23 | .0 | 350.9 | 13803 | 160 |
| 170 | -62.1 | 17 | .0 | 350.5 | 13475 | -61.8 | 17 | .0 | 350.8 | 13448 | -60.3 | 14 | .0 | 353.3 | 13501 | -62.3 | 23 | .0 | 350.0 | 13431 | 170 |
| 180 | -59.4 | 17 | .0 | 349.1 | 13120 | -59.0 | 16 | .0 | 349.7 | 13092 | -57.4 | 14 | .0 | 352.4 | 13142 | -59.5 | 23 | .0 | 349.1 | 13076 | 180 |
| 190 | -56.9 | 16 | .0 | 347.9 | 12779 | -56.4 | 16 | .0 | 348.7 | 12751 | -54.7 | 13 | .0 | 351.4 | 12798 | -56.7 | 22 | .0 | 348.1 | 12735 | 190 |
| 200 | -54.2 | 16 | .0 | 347.0 | 12452 | -53.7 | 16 | .0 | 347.9 | 12424 | -52.1 | 13 | .0 | 350.4 | 12468 | -54.1 | 22 | .0 | 347.2 | 12408 | 200 |
| 225 | -47.8 | 15 | .0 | 345.5 | 11686 | -47.0 | 16 | .0 | 346.7 | 11655 | -45.8 | 13 | .0 | 348.5 | 11695 | -48.2 | 21 | .0 | 344.9 | 11642 | 225 |
| 250 | -41.5 | 14 | .1 | 344.6 | 10981 | -41.0 | 16 | .1 | 345.5 | 10948 | -40.0 | 13 | .1 | 346.8 | 10984 | -42.0 | 20 | .1 | 343.9 | 10940 | 250 |
| 275 | -35.7 | 14 | .1 | 343.9 | 10326 | -35.5 | 16 | .1 | 344.2 | 10292 | -34.4 | 12 | .1 | 345.8 | 10326 | -36.1 | 19 | .1 | 343.4 | 10286 | 275 |
| 300 | -30.3 | 13 | .1 | 343.2 | 9714 | -30.6 | 16 | .2 | 342.9 | 9680 | -29.3 | 12 | .1 | 344.7 | 9711 | -31.0 | 19 | .2 | 342.4 | 9675 | 300 |
| 325 | -25.4 | 12 | .2 | 342.4 | 9139 | -26.0 | 16 | .2 | 341.7 | 9106 | -24.6 | 12 | .2 | 343.6 | 9134 | -26.4 | 18 | .2 | 341.4 | 9102 | 325 |
| 350 | -20.9 | 13 | .3 | 341.7 | 8597 | -21.8 | 15 | .3 | 340.6 | 8565 | -20.2 | 11 | .2 | 342.5 | 8589 | -22.0 | 17 | .3 | 340.4 | 8562 | 350 |
| 375 | -17.1 | 13 | .3 | 340.3 | 8083 | -18.5 | 15 | .4 | 338.6 | 8054 | -16.7 | 11 | .3 | 340.7 | 8074 | -18.8 | 18 | .4 | 338.3 | 8051 | 375 |
| 400 | -13.6 | 12 | .4 | 338.9 | 7596 | -15.5 | 16 | .5 | 336.6 | 7570 | -13.7 | 11 | .4 | 338.6 | 7587 | -16.5 | 17 | .4 | 335.3 | 7568 | 400 |
| 425 | -11.7 | 30 | 1.1 | 338.0 | 7134 | -12.5 | 16 | .6 | 335.0 | 7109 | -10.7 | 12 | .5 | 337.0 | 7123 | -12.5 | 17 | .6 | 335.2 | 7108 | 425 |
| 450 | -8.6 | 27 | 1.2 | 336.8 | 6693 | -9.7 | 17 | .7 | 333.6 | 6671 | -7.9 | 12 | .6 | 335.5 | 6682 | -10.0 | 21 | .8 | 333.7 | 6669 | 450 |
| 475 | -5.8 | 17 | .9 | 334.2 | 6272 | -7.9 | 25 | 1.1 | 332.2 | 6251 | -5.2 | 13 | .7 | 334.1 | 6259 | -6.7 | 20 | .9 | 333.1 | 6250 | 475 |
| 500 | -5.6 | 86 | 4.3 | 340.6 | 5870 | -7.4 | 66 | 2.9 | 333.7 | 5853 | -2.7 | 13 | .8 | 332.8 | 5855 | -3.8 | 18 | 1.0 | 332.1 | 5848 | 500 |
| 525 | -3.6 | 70 | 3.9 | 337.1 | 5485 | -4.9 | 62 | 3.1 | 332.9 | 5471 | -3.8 | 48 | 2.7 | 332.9 | 5469 | -2.5 | 40 | 2.4 | 333.7 | 5461 | 525 |
| 550 | -1.3 | 63 | 4.0 | 335.7 | 5116 | -2.6 | 61 | 3.5 | 332.5 | 5113 | -.8 | 39 | 2.5 | 331.8 | 5099 | -2.0 | 55 | 3.3 | 332.7 | 5092 | 550 |
| 575 | .8 | 65 | 4.6 | 335.8 | 4759 | -.5 | 62 | 4.0 | 332.3 | 4749 | 1.9 | 32 | 2.5 | 330.6 | 4742 | .4 | 41 | 2.8 | 329.7 | 4737 | 575 |
| 600 | 3.1 | 54 | 4.3 | 333.6 | 4416 | 1.6 | 62 | 4.4 | 332.1 | 4407 | 4.0 | 34 | 2.9 | 330.5 | 4397 | 2.8 | 32 | 2.5 | 327.9 | 4393 | 600 |
| 625 | 5.5 | 33 | 3.0 | 328.6 | 4083 | 3.9 | 58 | 4.7 | 332.0 | 4076 | 6.1 | 36 | 3.4 | 330.6 | 4064 | 5.0 | 41 | 3.6 | 329.9 | 4062 | 625 |
| 650 | 7.7 | 16 | 1.6 | 323.1 | 3762 | 6.2 | 54 | 5.0 | 331.7 | 3756 | 8.0 | 38 | 3.9 | 330.8 | 3742 | 7.0 | 46 | 4.4 | 331.1 | 3740 | 650 |
| 675 | 8.7 | 51 | 5.3 | 332.3 | 3450 | 8.4 | 50 | 5.2 | 331.4 | 3445 | 9.9 | 40 | 4.5 | 331.2 | 3429 | 9.2 | 36 | 3.9 | 328.6 | 3429 | 675 |
| 700 | 11.4 | 26 | 3.1 | 325.4 | 3148 | 10.5 | 47 | 5.3 | 330.9 | 3143 | 11.2 | 49 | 5.9 | 333.4 | 3126 | 11.3 | 27 | 3.2 | 325.5 | 3126 | 700 |
| 725 | 13.5 | 20 | 2.7 | 323.1 | 2853 | 12.6 | 43 | 5.4 | 330.3 | 2849 | 12.0 | 65 | 7.9 | 336.7 | 2832 | 12.6 | 35 | 4.5 | 327.4 | 2832 | 725 |
| 750 | 15.3 | 23 | 3.3 | 323.8 | 2567 | 13.9 | 49 | 6.5 | 331.9 | 2564 | 14.0 | 58 | 7.7 | 335.5 | 2547 | 12.4 | 76 | 9.3 | 338.0 | 2548 | 750 |
| 775 | 15.7 | 77 | 11.2 | 344.5 | 2289 | 14.6 | 62 | 8.4 | 334.9 | 2286 | 15.2 | 69 | 9.8 | 339.6 | 2269 | 13.8 | 85 | 10.9 | 341.3 | 2271 | 775 |
| 800 | 14.8 | 97 | 12.9 | 344.8 | 2019 | 15.6 | 69 | 9.7 | 336.6 | 2017 | 17.2 | 62 | 9.6 | 338.3 | 1998 | 15.9 | 77 | 11.0 | 340.9 | 2002 | 800 |
| 825 | 16.8 | 94 | 13.8 | 346.8 | 1757 | 17.1 | 67 | 10.0 | 336.5 | 1755 | 19.0 | 55 | 9.3 | 336.6 | 1735 | 17.4 | 78 | 12.0 | 342.3 | 1739 | 825 |
| 850 | 18.7 | 91 | 14.7 | 348.7 | 1500 | 18.4 | 68 | 10.7 | 337.0 | 1499 | 20.2 | 58 | 10.2 | 337.9 | 1477 | 18.9 | 80 | 12.9 | 343.9 | 1482 | 850 |
| 875 | 20.6 | 88 | 15.6 | 350.5 | 1250 | 19.4 | 72 | 11.8 | 338.3 | 1249 | 21.2 | 63 | 11.5 | 339.9 | 1226 | 20.3 | 81 | 13.9 | 345.5 | 1231 | 875 |
| 900 | 22.1 | 87 | 16.3 | 351.7 | 1004 | 20.4 | 76 | 12.8 | 339.6 | 1006 | 22.2 | 68 | 12.8 | 342.0 | 981 | 21.6 | 82 | 15.0 | 347.2 | 987 | 900 |
| 925 | 23.6 | 85 | 17.1 | 352.9 | 764 | 21.8 | 78 | 14.0 | 341.9 | 768 | 23.1 | 73 | 14.2 | 344.1 | 742 | 23.0 | 83 | 16.0 | 349.0 | 747 | 925 |
| 950 | 25.0 | 84 | 17.9 | 354.1 | 530 | 23.4 | 79 | 15.2 | 344.5 | 535 | 24.5 | 72 | 14.9 | 345.1 | 508 | 24.3 | 84 | 17.1 | 350.8 | 513 | 950 |
| 975 | 26.4 | 83 | 18.7 | 355.3 | 300 | 25.0 | 79 | 16.4 | 347.2 | 306 | 26.3 | 67 | 14.9 | 344.7 | 279 | 25.5 | 85 | 18.2 | 352.8 | 284 | 975 |
| 1000 | 27.8 | 81 | 19.5 | 356.5 | 75 | 26.7 | 84 | 18.8 | 353.4 | 82 | 28.9 | 73 | 18.6 | 355.7 | 54 | 26.8 | 86 | 19.3 | 354.9 | 59 | 1000 |
| SFC. | 28.2 | 81 | 19.7 | 356.9 | 0 | 27.6 | 88 | 20.7 | 358.7 | 0 | 30.0 | 80 | 21.7 | 365.3 | 0 | 27.1 | 86 | 19.7 | 355.4 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.4 | SURFACE PRESSURE | | | | 1009.3 | SURFACE PRESSURE | | | | 1006.0 | SURFACE PRESSURE | | | | 1006.7 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 8 1138 GMT T | RH | W | EPT | H | 4/ 8 1714 GMT T | RH | W | EPT | H | 4/ 8 1920 GMT T | RH | W | EPT | H | 4/ 8 2240 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.2 | 0 | 0.0 | 460.6 | 19572 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.8 | 0 | 0.0 | 468.1 | 19615 | -65.2 | 0 | 0.0 | 464.9 | 19539 | 60 |
| 70 | -68.9 | 0 | 0.0 | 437.1 | 18648 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 0 | 0.0 | 434.0 | 18686 | -71.1 | 0 | 0.0 | 432.3 | 18613 | 70 |
| 80 | -72.0 | 15 | .0 | 414.4 | 17854 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.3 | 0 | 0.0 | 413.5 | 17894 | -71.6 | 0 | 0.0 | 415.0 | 17822 | 80 |
| 90 | -77.6 | 16 | .0 | 389.3 | 17169 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.0 | 14 | .0 | 392.6 | 17211 | -74.1 | 0 | 0.0 | 396.4 | 17131 | 90 |
| 100 | -83.2 | 17 | .0 | 367.0 | 16574 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.8 | 14 | .0 | 373.6 | 16610 | -79.4 | 60 | .0 | 374.4 | 16524 | 100 |
| 110 | -80.3 | 17 | .0 | 362.6 | 16040 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.6 | 14 | .0 | 365.7 | 16071 | -80.2 | 60 | .0 | 362.9 | 15986 | 110 |
| 120 | -77.7 | 17 | .0 | 358.5 | 15545 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 14 | .0 | 363.8 | 15571 | -77.9 | 60 | .0 | 358.0 | 15492 | 120 |
| 130 | -75.3 | 17 | .0 | 354.7 | 15084 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.2 | 14 | .0 | 360.1 | 15102 | -75.7 | 60 | .0 | 353.9 | 15032 | 130 |
| 140 | -71.9 | 16 | .0 | 353.2 | 14651 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.2 | 14 | .0 | 356.2 | 14664 | -72.4 | 60 | .0 | 352.4 | 14600 | 140 |
| 150 | -68.5 | 15 | .0 | 352.1 | 14241 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.9 | 14 | .0 | 355.0 | 14251 | -69.2 | 59 | .0 | 351.0 | 14191 | 150 |
| 160 | -64.8 | 15 | .0 | 351.9 | 13851 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.8 | 14 | .0 | 353.7 | 13858 | -66.3 | 59 | .0 | 349.5 | 13802 | 160 |
| 170 | -61.4 | 15 | .0 | 351.5 | 13478 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.4 | 14 | .0 | 351.5 | 13484 | -63.3 | 59 | .0 | 348.4 | 13433 | 170 |
| 180 | -58.2 | 15 | .0 | 351.1 | 13121 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.7 | 14 | .0 | 350.3 | 13127 | -60.2 | 59 | .0 | 347.9 | 13079 | 180 |
| 190 | -55.1 | 15 | .0 | 350.7 | 12778 | -56.0 | 20 | .0 | 349.3 | 12769 | -56.1 | 14 | .0 | 349.1 | 12785 | -57.3 | 60 | .1 | 347.3 | 12739 | 190 |
| 200 | -52.2 | 15 | .0 | 350.2 | 12448 | -52.9 | 20 | .0 | 349.1 | 12440 | -53.4 | 14 | .0 | 348.4 | 12457 | -54.5 | 60 | .1 | 346.8 | 12413 | 200 |
| 225 | -45.7 | 15 | .0 | 348.6 | 11675 | -45.9 | 20 | .1 | 348.4 | 11669 | -46.5 | 15 | .0 | 347.5 | 11687 | -46.8 | 60 | .2 | 347.5 | 11645 | 225 |
| 250 | -40.0 | 14 | .1 | 347.0 | 10964 | -41.6 | 20 | .1 | 344.6 | 10961 | -40.0 | 18 | .1 | 346.9 | 10978 | -40.7 | 61 | .3 | 346.6 | 10937 | 250 |
| 275 | -34.7 | 14 | .1 | 345.3 | 10306 | -36.1 | 18 | .1 | 343.5 | 10307 | -34.2 | 21 | .2 | 346.3 | 10319 | -35.2 | 61 | .4 | 345.9 | 10281 | 275 |
| 300 | -30.6 | 14 | .1 | 342.8 | 9693 | -30.9 | 18 | .2 | 342.5 | 9696 | -29.5 | 24 | .3 | 344.9 | 9704 | -30.2 | 61 | .6 | 345.3 | 9668 | 300 |
| 325 | -26.3 | 14 | .2 | 341.3 | 9119 | -26.2 | 19 | .3 | 341.6 | 9123 | -24.4 | 42 | .7 | 345.6 | 9127 | -25.6 | 62 | .9 | 344.8 | 9093 | 325 |
| 350 | -21.8 | 14 | .3 | 340.4 | 8579 | -21.9 | 30 | .6 | 341.4 | 8582 | -21.3 | 57 | 1.1 | 344.3 | 8584 | -21.4 | 62 | 1.2 | 344.4 | 8551 | 350 |
| 375 | -18.0 | 19 | .5 | 339.6 | 8067 | -18.2 | 55 | 1.3 | 342.4 | 8070 | -18.1 | 60 | 1.5 | 343.0 | 8072 | -18.1 | 63 | 1.6 | 343.4 | 8038 | 375 |
| 400 | -15.2 | 35 | 1.0 | 339.0 | 7582 | -14.4 | 48 | 1.5 | 341.7 | 7585 | -15.2 | 64 | 1.9 | 341.9 | 7586 | -14.9 | 64 | 1.9 | 342.5 | 7553 | 400 |
| 425 | -12.2 | 50 | 1.7 | 339.5 | 7121 | -12.1 | 64 | 2.3 | 341.5 | 7123 | -12.4 | 72 | 2.5 | 341.7 | 7125 | -12.2 | 67 | 2.4 | 341.7 | 7091 | 425 |
| 450 | -9.8 | 63 | 2.5 | 339.7 | 6682 | -9.5 | 78 | 3.2 | 342.3 | 6683 | -9.8 | 79 | 3.2 | 341.9 | 6686 | -9.6 | 70 | 2.9 | 341.1 | 6651 | 450 |
| 475 | -6.8 | 23 | 1.1 | 333.5 | 6262 | -6.7 | 80 | 3.9 | 342.8 | 6262 | -7.3 | 86 | 4.0 | 342.3 | 6266 | -7.1 | 73 | 3.4 | 340.8 | 6231 | 475 |
| 500 | -5.2 | 38 | 2.0 | 333.7 | 5860 | -5.7 | 70 | 3.5 | 337.7 | 5860 | -5.0 | 91 | 4.8 | 342.8 | 5864 | -4.8 | 75 | 4.0 | 340.6 | 5829 | 500 |
| 525 | -3.9 | 73 | 4.0 | 336.9 | 5475 | -2.1 | 58 | 3.6 | 338.0 | 5475 | -3.4 | 93 | 5.3 | 341.4 | 5478 | -2.6 | 78 | 4.7 | 340.7 | 5443 | 525 |
| 550 | -2.1 | 66 | 4.0 | 334.5 | 5107 | -.9 | 84 | 5.5 | 340.8 | 5103 | -1.9 | 94 | 5.7 | 340.3 | 5109 | -.9 | 80 | 5.2 | 339.9 | 5072 | 550 |
| 575 | 1.0 | 41 | 2.9 | 330.9 | 4751 | .7 | 90 | 6.4 | 341.1 | 4747 | -.4 | 95 | 6.2 | 339.2 | 4753 | .3 | 81 | 5.5 | 338.0 | 4716 | 575 |
| 600 | 3.3 | 33 | 2.6 | 328.8 | 4407 | 3.2 | 78 | 6.3 | 339.8 | 4402 | 1.0 | 97 | 6.7 | 338.2 | 4411 | 1.5 | 82 | 5.8 | 336.2 | 4373 | 600 |
| 625 | 5.4 | 36 | 3.2 | 329.0 | 4075 | 5.5 | 69 | 6.3 | 338.7 | 4069 | 3.0 | 88 | 6.8 | 337.0 | 4081 | 3.8 | 82 | 6.6 | 337.6 | 4042 | 625 |
| 650 | 7.3 | 38 | 3.8 | 329.5 | 3753 | 7.4 | 68 | 6.7 | 338.5 | 3747 | 5.4 | 74 | 6.4 | 335.1 | 3761 | 6.1 | 83 | 7.6 | 339.4 | 3721 | 650 |
| 675 | 9.3 | 41 | 4.4 | 330.1 | 3441 | 9.2 | 66 | 7.2 | 338.3 | 3435 | 7.6 | 61 | 5.9 | 332.7 | 3451 | 6.9 | 84 | 7.8 | 337.3 | 3411 | 675 |
| 700 | 11.1 | 43 | 5.1 | 330.9 | 3139 | 10.9 | 65 | 7.6 | 338.2 | 3132 | 10.0 | 53 | 5.8 | 331.9 | 3149 | 9.0 | 83 | 8.6 | 338.6 | 3110 | 700 |
| 725 | 11.7 | 87 | 10.4 | 343.9 | 2845 | 10.8 | 79 | 8.9 | 338.3 | 2839 | 12.5 | 49 | 6.2 | 332.5 | 2856 | 11.0 | 81 | 9.3 | 339.6 | 2817 | 725 |
| 750 | 13.4 | 88 | 11.5 | 345.6 | 2559 | 12.6 | 97 | 12.0 | 346.1 | 2554 | 14.9 | 46 | 6.5 | 333.1 | 2570 | 13.0 | 75 | 9.5 | 339.5 | 2533 | 750 |
| 775 | 15.4 | 77 | 11.0 | 343.5 | 2281 | 14.2 | 96 | 12.7 | 346.8 | 2277 | 16.4 | 54 | 8.2 | 336.6 | 2291 | 14.4 | 70 | 9.3 | 337.3 | 2256 | 775 |
| 800 | 16.9 | 78 | 11.9 | 344.7 | 2010 | 16.0 | 95 | 13.7 | 348.5 | 2007 | 17.4 | 66 | 10.4 | 341.1 | 2020 | 15.5 | M | M | M | 1986 | 800 |
| 825 | 18.1 | 89 | 14.2 | 349.7 | 1746 | 17.3 | 94 | 14.3 | 348.9 | 1743 | 18.5 | 78 | 12.8 | 345.9 | 1756 | 16.7 | M | M | M | 1724 | 825 |
| 850 | 19.6 | 88 | 15.1 | 350.8 | 1489 | 18.7 | 93 | 14.9 | 349.2 | 1486 | 19.5 | 89 | 15.2 | 350.9 | 1498 | 17.8 | M | M | M | 1470 | 850 |
| 875 | 21.1 | 87 | 15.9 | 351.9 | 1237 | 19.9 | 91 | 15.5 | 349.5 | 1236 | 20.9 | 85 | 15.4 | 350.3 | 1247 | 18.9 | M | M | M | 1222 | 875 |
| 900 | 22.4 | 87 | 16.7 | 353.1 | 992 | 21.3 | 90 | 16.2 | 350.2 | 991 | 21.1 | 94 | 16.6 | 351.1 | 1002 | 19.7 | M | M | M | 981 | 900 |
| 925 | 23.8 | 86 | 17.5 | 354.3 | 751 | 22.7 | 89 | 17.0 | 351.3 | 752 | 22.3 | 94 | 17.5 | 352.3 | 763 | 20.4 | M | M | M | 744 | 925 |
| 950 | 25.1 | 85 | 18.4 | 355.5 | 516 | 24.0 | 88 | 17.8 | 352.4 | 518 | 23.5 | 94 | 18.4 | 353.5 | 529 | 21.2 | M | M | M | 513 | 950 |
| 975 | 26.4 | 85 | 19.2 | 356.7 | 287 | 25.4 | 87 | 18.5 | 353.5 | 289 | 24.7 | 95 | 19.3 | 354.7 | 301 | 22.0 | 94 | 16.3 | 343.0 | 287 | 975 |
| 1000 | 27.7 | 84 | 20.0 | 357.9 | 61 | 26.6 | 86 | 19.3 | 354.6 | 65 | 25.8 | 95 | 20.3 | 356.1 | 77 | 24.7 | 96 | 19.1 | 351.4 | 65 | 1000 |
| SFC. | 28.0 | 84 | 20.3 | 358.3 | 0 | 27.0 | 86 | 19.5 | 354.9 | 0 | 26.2 | 95 | 20.6 | 356.5 | 0 | 25.5 | 96 | 20.0 | 354.0 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1006.9 | SURFACE PRESSURE | | | | 1007.3 | SURFACE PRESSURE | | | | 1008.7 | SURFACE PRESSURE | | | | 1007.4 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 9 136 GMT T | RH | W | EPT | H | 4/ 9 522 GMT T | RH | W | EPT | H | 4/ 9 1115 GMT T | RH | W | EPT | H | 4/ 9 1810 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.7 | 0 | 0.0 | 459.4 | 19578 | -69.5 | 0 | 0.0 | 455.5 | 19539 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.8 | 0 | 0.0 | 432.9 | 18652 | -69.0 | 15 | .0 | 436.9 | 18618 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.1 | 23 | .0 | 410.0 | 17863 | -72.2 | 16 | .0 | 414.0 | 17823 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.5 | 24 | .0 | 389.6 | 17185 | -78.7 | 16 | .0 | 387.1 | 17142 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -83.4 | 25 | .0 | 366.6 | 16591 | -84.0 | 17 | .0 | 365.5 | 16550 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.2 | 24 | .0 | 362.8 | 16057 | -81.3 | 16 | .0 | 360.7 | 16020 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.3 | 24 | .0 | 359.2 | 15561 | -77.8 | 16 | .0 | 358.2 | 15526 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.6 | 23 | .0 | 355.9 | 15099 | -74.4 | 16 | .0 | 356.3 | 15065 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.9 | 22 | .0 | 354.9 | 14664 | -71.0 | 16 | .0 | 354.8 | 14630 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.5 | 22 | .0 | 353.9 | 14252 | -67.8 | 16 | .0 | 353.3 | 14218 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 22 | .0 | 352.0 | 13861 | -64.9 | 16 | .0 | 351.9 | 13827 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.2 | 23 | .0 | 350.3 | 13488 | -62.1 | 16 | .0 | 350.4 | 13455 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.7 | 23 | .0 | 348.6 | 13133 | -59.4 | 16 | .0 | 349.1 | 13099 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.6 | 22 | .0 | 348.3 | 12793 | -57.0 | 16 | .0 | 347.7 | 12759 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.6 | 22 | .0 | 348.1 | 12465 | -54.6 | 16 | .0 | 346.4 | 12432 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.5 | 21 | .1 | 347.4 | 11696 | -47.7 | 14 | .0 | 345.5 | 11667 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -40.4 | 30 | .1 | 346.7 | 10987 | -41.5 | 13 | .1 | 344.5 | 10962 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -34.5 | 26 | .2 | 346.0 | 10329 | -35.8 | 13 | .1 | 343.7 | 10307 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -29.3 | 46 | .5 | 346.2 | 9714 | -30.6 | 13 | .1 | 342.8 | 9696 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -25.2 | 51 | .8 | 345.0 | 9138 | -26.2 | 14 | .2 | 341.4 | 9122 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -20.5 | 29 | .6 | 343.5 | 8594 | -22.1 | 15 | .3 | 340.1 | 8582 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -17.1 | 31 | .8 | 342.1 | 8080 | -18.3 | 16 | .4 | 338.8 | 8071 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -13.9 | 33 | 1.1 | 340.9 | 7593 | -14.8 | 17 | .5 | 337.7 | 7585 | 0.0 | 0 | 0.0 | 0.0 | 0 | 400 |
| 425 | 0.0 | 0 | 0.0 | 0.0 | 0 | -12.5 | 64 | 2.2 | 340.7 | 7131 | -12.8 | 53 | 1.8 | 338.9 | 7125 | 0.0 | 0 | 0.0 | 0.0 | 0 | 425 |
| 450 | 0.0 | 0 | 0.0 | 0.0 | 0 | -10.8 | 88 | 3.3 | 340.9 | 6693 | -11.0 | 57 | 2.1 | 336.7 | 6686 | 0.0 | 0 | 0.0 | 0.0 | 0 | 450 |
| 475 | 0.0 | 0 | 0.0 | 0.0 | 0 | -7.7 | 90 | 4.0 | 341.9 | 6274 | -8.4 | 93 | 4.0 | 340.9 | 6269 | 0.0 | 0 | 0.0 | 0.0 | 0 | 475 |
| 500 | -5.0 | 98 | 5.2 | 343.9 | 5819 | -4.8 | 91 | 4.9 | 343.2 | 5872 | -5.6 | 95 | 4.8 | 341.9 | 5868 | 0.0 | 0 | 0.0 | 0.0 | 0 | 500 |
| 525 | -3.3 | 96 | 5.5 | 342.4 | 5433 | -2.1 | 92 | 5.8 | 344.7 | 5485 | -2.9 | 84 | 4.9 | 341.1 | 5483 | 0.0 | 0 | 0.0 | 0.0 | 0 | 525 |
| 550 | -1.3 | 92 | 5.8 | 341.2 | 5063 | .3 | 91 | 6.5 | 345.2 | 5113 | -.6 | 85 | 5.6 | 341.6 | 5112 | -1.8 | 87 | 5.3 | 339.1 | 5076 | 550 |
| 575 | .3 | 89 | 6.0 | 339.5 | 4707 | 2.6 | 89 | 7.2 | 345.9 | 4754 | 1.2 | 77 | 5.6 | 339.3 | 4754 | .0 | 80 | 5.4 | 337.2 | 4719 | 575 |
| 600 | .9 | 88 | 6.0 | 336.1 | 4365 | 2.7 | 87 | 6.8 | 340.6 | 4409 | 3.1 | 26 | 2.1 | 326.7 | 4410 | 1.1 | 76 | 5.3 | 334.1 | 4378 | 600 |
| 625 | 2.8 | 88 | 6.6 | 336.2 | 4035 | 5.5 | 72 | 6.5 | 339.4 | 4076 | 5.3 | 29 | 2.6 | 327.0 | 4078 | 2.8 | 76 | 5.7 | 333.6 | 4047 | 625 |
| 650 | 4.6 | 88 | 7.2 | 336.3 | 3715 | 8.1 | 58 | 6.1 | 337.4 | 3753 | 7.4 | 31 | 3.1 | 327.5 | 3757 | 4.8 | 89 | 7.4 | 337.3 | 3728 | 650 |
| 675 | 6.3 | 88 | 7.8 | 336.6 | 3406 | 10.6 | 46 | 5.4 | 334.8 | 3440 | 9.5 | 33 | 3.7 | 328.1 | 3445 | 6.2 | 74 | 6.5 | 332.5 | 3419 | 675 |
| 700 | 7.9 | 88 | 8.5 | 336.9 | 3106 | 12.5 | 43 | 5.5 | 334.0 | 3136 | 11.4 | 36 | 4.3 | 328.9 | 3142 | 8.3 | 61 | 5.9 | 330.1 | 3119 | 700 |
| 725 | 9.6 | 88 | 9.1 | 337.4 | 2815 | 14.4 | 40 | 5.6 | 333.0 | 2841 | 13.3 | 46 | 6.1 | 333.1 | 2848 | 8.6 | 93 | 9.1 | 336.0 | 2829 | 725 |
| 750 | 12.3 | 82 | 9.8 | 339.4 | 2531 | 16.2 | 44 | 6.7 | 335.3 | 2553 | 14.6 | 72 | 10.1 | 343.1 | 2561 | 10.7 | 97 | 10.5 | 339.5 | 2547 | 750 |
| 775 | 14.2 | 85 | 11.2 | 342.5 | 2254 | 18.0 | 56 | 9.5 | 342.3 | 2273 | 15.4 | 84 | 12.1 | 346.4 | 2283 | 13.0 | 94 | 11.5 | 341.8 | 2271 | 775 |
| 800 | 15.6 | 79 | 11.1 | 340.8 | 1985 | 19.7 | 45 | 8.2 | 337.4 | 2000 | 17.0 | 80 | 12.3 | 345.9 | 2012 | 14.9 | 89 | 12.0 | 342.2 | 2002 | 800 |
| 825 | 17.7 | 79 | 12.3 | 343.6 | 1721 | 21.1 | 46 | 8.9 | 338.2 | 1734 | 18.6 | 89 | 14.8 | 351.8 | 1748 | 15.5 | 96 | 13.0 | 342.9 | 1741 | 825 |
| 850 | 17.9 | 88 | 13.5 | 344.1 | 1465 | 21.8 | 57 | 11.0 | 342.1 | 1475 | 20.0 | 89 | 15.7 | 352.9 | 1490 | 17.5 | 93 | 13.9 | 344.6 | 1486 | 850 |
| 875 | 18.1 | 97 | 14.6 | 344.5 | 1216 | 22.4 | 67 | 13.1 | 345.9 | 1222 | 21.3 | 89 | 16.4 | 353.6 | 1238 | 19.9 | 83 | 14.1 | 345.5 | 1235 | 875 |
| 900 | 19.6 | 97 | 15.7 | 346.4 | 973 | 23.0 | 77 | 15.2 | 349.6 | 976 | 22.5 | 88 | 17.1 | 354.3 | 992 | 20.5 | 90 | 15.5 | 347.1 | 991 | 900 |
| 925 | 21.1 | 97 | 16.7 | 348.4 | 735 | 24.0 | 81 | 16.7 | 352.0 | 736 | 23.7 | 88 | 17.8 | 354.9 | 752 | 21.7 | 99 | 17.7 | 352.1 | 753 | 925 |
| 950 | 22.5 | 97 | 17.8 | 350.5 | 502 | 25.1 | 83 | 17.8 | 353.8 | 501 | 24.9 | 87 | 18.5 | 355.6 | 517 | 23.1 | 98 | 18.6 | 353.5 | 520 | 950 |
| 975 | 23.9 | 97 | 18.9 | 352.4 | 274 | 26.3 | 84 | 18.9 | 355.7 | 271 | 26.1 | 87 | 19.2 | 356.3 | 287 | 24.2 | 97 | 19.2 | 353.7 | 291 | 975 |
| 1000 | 25.0 | 96 | 19.6 | 353.2 | 51 | 27.4 | 86 | 20.0 | 357.6 | 46 | 27.2 | 86 | 19.9 | 357.1 | 62 | 25.2 | 96 | 19.8 | 353.9 | 68 | 1000 |
| SFC. | 25.3 | 96 | 19.7 | 353.3 | 0 | 27.6 | 86 | 20.3 | 358.0 | 0 | 27.5 | 86 | 20.1 | 357.3 | 0 | 25.5 | 96 | 20.0 | 354.0 | 0 | SFC. |
| | SURFACE PRESSURE 1005.8 | | | | | SURFACE PRESSURE 1005.2 | | | | | SURFACE PRESSURE 1007.0 | | | | | SURFACE PRESSURE 1007.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/ 9 2326 GMT T | RH | W | EPT | H | 4/10 555 GMT T | RH | W | EPT | H | 4/10 1123 GMT T | RH | W | EPT | H | 4/10 17 4 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.3 | 0 | 0.0 | 464.9 | 19522 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.0 | 0 | 0.0 | 461.0 | 19494 | -61.8 | 0 | 0.0 | 472.6 | 19450 | 60 |
| 70 | -73.1 | 0 | 0.0 | 428.1 | 18603 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 0 | 0.0 | 431.2 | 18573 | -74.0 | 0 | 0.0 | 426.1 | 18527 | 70 |
| 80 | -75.3 | 0 | 0.0 | 407.5 | 17825 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.1 | 26 | .0 | 409.9 | 17791 | -75.8 | 22 | .0 | 406.4 | 17755 | 80 |
| 90 | -77.3 | 18 | .0 | 390.0 | 17147 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.2 | 26 | .0 | 386.3 | 17110 | -80.3 | 22 | .0 | 384.0 | 17083 | 90 |
| 100 | -75.0 | 18 | .0 | 382.9 | 16539 | -80.0 | 56 | .0 | 373.2 | 16479 | -79.0 | 26 | .0 | 375.1 | 16512 | -77.2 | 23 | .0 | 378.6 | 16483 | 100 |
| 110 | -80.6 | 18 | .0 | 362.0 | 15996 | -83.0 | 56 | .0 | 357.5 | 15945 | -80.0 | 26 | .0 | 363.2 | 15972 | -80.4 | 22 | .0 | 362.4 | 15940 | 110 |
| 120 | -77.8 | 18 | .0 | 358.2 | 15502 | -78.3 | 56 | .0 | 357.3 | 15454 | -79.1 | 26 | .0 | 356.0 | 15480 | -78.3 | 22 | .0 | 357.3 | 15448 | 120 |
| 130 | -75.3 | 18 | .0 | 354.7 | 15041 | -75.1 | 56 | .0 | 355.1 | 14993 | -75.7 | 26 | .0 | 354.0 | 15021 | -74.4 | 22 | .0 | 356.2 | 14987 | 130 |
| 140 | -71.9 | 18 | .0 | 353.2 | 14609 | -72.2 | 56 | .0 | 352.7 | 14560 | -72.5 | 26 | .0 | 352.1 | 14589 | -72.5 | 22 | .0 | 352.1 | 14553 | 140 |
| 150 | -68.4 | 17 | .0 | 352.2 | 14198 | -70.4 | 56 | .0 | 349.0 | 14152 | -69.6 | 25 | .0 | 350.3 | 14181 | -70.6 | 22 | .0 | 348.5 | 14146 | 150 |
| 160 | -65.2 | 17 | .0 | 351.2 | 13808 | -67.6 | 56 | .0 | 347.2 | 13767 | -66.8 | 25 | .0 | 348.5 | 13793 | -67.8 | 22 | .0 | 347.0 | 13760 | 160 |
| 170 | -62.2 | 16 | .0 | 350.2 | 13437 | -64.8 | 56 | .0 | 345.9 | 13399 | -64.3 | 25 | .0 | 346.8 | 13425 | -64.9 | 22 | .0 | 345.8 | 13393 | 170 |
| 180 | -59.4 | 16 | .0 | 349.2 | 13081 | -61.6 | 56 | .0 | 345.6 | 13048 | -61.5 | 24 | .0 | 345.7 | 13073 | -61.3 | 22 | .0 | 346.1 | 13042 | 180 |
| 190 | -56.4 | 16 | .0 | 348.6 | 12740 | -58.4 | 56 | .0 | 345.5 | 12711 | -58.5 | 23 | .0 | 345.3 | 12735 | -57.9 | 22 | .0 | 346.2 | 12703 | 190 |
| 200 | -53.5 | 16 | .0 | 348.1 | 12413 | -55.5 | 56 | .1 | 345.1 | 12386 | -55.5 | 22 | .0 | 344.9 | 12411 | -55.0 | 22 | .0 | 345.8 | 12378 | 200 |
| 225 | -47.0 | 16 | .0 | 346.7 | 11644 | -48.8 | 58 | .1 | 344.2 | 11624 | -48.5 | 19 | .0 | 344.4 | 11648 | -48.4 | 21 | .0 | 344.5 | 11614 | 225 |
| 250 | -40.6 | 16 | .1 | 346.0 | 10936 | -41.8 | 61 | .2 | 344.9 | 10921 | -41.7 | 17 | .1 | 344.4 | 10945 | -42.0 | 19 | .1 | 343.9 | 10911 | 250 |
| 275 | -34.8 | 16 | .1 | 345.2 | 10279 | -36.0 | 66 | .4 | 344.7 | 10267 | -36.0 | 16 | .1 | 343.5 | 10290 | -36.0 | 15 | .1 | 343.4 | 10258 | 275 |
| 300 | -29.6 | 16 | .2 | 344.5 | 9665 | -31.2 | 70 | .7 | 344.0 | 9656 | -31.2 | 15 | .1 | 342.0 | 9680 | -30.8 | 15 | .2 | 342.7 | 9647 | 300 |
| 325 | -25.0 | 19 | .3 | 343.5 | 9088 | -26.7 | 73 | 1.0 | 343.6 | 9084 | -27.8 | 72 | .9 | 341.6 | 9109 | -26.2 | 21 | .3 | 341.8 | 9073 | 325 |
| 350 | -21.2 | 26 | .5 | 342.3 | 8546 | -22.8 | 77 | 1.4 | 343.0 | 8544 | -22.9 | 62 | 1.1 | 341.8 | 8571 | -22.8 | 42 | .7 | 340.9 | 8534 | 350 |
| 375 | -17.6 | 32 | .8 | 341.4 | 8033 | -19.2 | 81 | 1.8 | 342.7 | 8034 | -18.4 | 52 | 1.3 | 341.9 | 8060 | -20.0 | 56 | 1.2 | 339.4 | 8024 | 375 |
| 400 | -14.3 | 38 | 1.2 | 340.8 | 7546 | -15.8 | 84 | 2.3 | 342.7 | 7550 | -15.1 | 58 | 1.7 | 341.5 | 7575 | -16.8 | 50 | 1.3 | 337.8 | 7543 | 400 |
| 425 | -11.3 | 38 | 1.4 | 339.6 | 7084 | -13.1 | 83 | 2.7 | 341.5 | 7091 | -13.0 | 76 | 2.5 | 341.1 | 7115 | -14.2 | 57 | 1.7 | 336.8 | 7085 | 425 |
| 450 | -10.3 | 36 | 1.4 | 335.3 | 6644 | -10.6 | 83 | 3.1 | 340.5 | 6652 | -10.5 | 77 | 2.9 | 340.1 | 6676 | -12.0 | 70 | 2.4 | 336.3 | 6649 | 450 |
| 475 | -7.8 | 38 | 1.7 | 334.2 | 6225 | -8.2 | 80 | 3.5 | 339.5 | 6234 | -8.2 | 78 | 3.4 | 339.3 | 6258 | -9.0 | 68 | 2.8 | 336.2 | 6233 | 475 |
| 500 | -5.3 | 43 | 2.2 | 334.2 | 5824 | -5.8 | 97 | 4.8 | 341.9 | 5833 | -5.9 | 79 | 3.9 | 338.6 | 5857 | -6.2 | 66 | 3.2 | 336.3 | 5833 | 500 |
| 525 | -3.0 | 51 | 3.0 | 334.8 | 5439 | -3.8 | 98 | 5.4 | 341.2 | 5449 | -3.8 | 93 | 5.1 | 340.6 | 5473 | -3.8 | 66 | 3.6 | 335.8 | 5449 | 525 |
| 550 | -1.1 | 65 | 4.2 | 336.5 | 5069 | -2.0 | 98 | 5.9 | 340.7 | 5079 | -1.8 | 97 | 5.9 | 340.8 | 5103 | -2.8 | 69 | 3.9 | 333.4 | 5081 | 550 |
| 575 | .5 | 79 | 5.4 | 338.0 | 4713 | -.2 | 99 | 6.5 | 340.2 | 4724 | -.0 | 97 | 6.5 | 340.5 | 4748 | -.6 | 70 | 4.5 | 333.7 | 4726 | 575 |
| 600 | .6 | 73 | 4.9 | 332.2 | 4371 | 1.0 | 99 | 6.8 | 338.6 | 4381 | 1.7 | 98 | 7.1 | 340.3 | 4405 | 1.6 | 68 | 4.9 | 333.5 | 4384 | 600 |
| 625 | 2.0 | 70 | 4.9 | 330.2 | 4042 | 1.6 | 98 | 6.7 | 335.0 | 4052 | 4.0 | 84 | 6.8 | 338.4 | 4073 | 3.9 | 58 | 4.7 | 332.0 | 4053 | 625 |
| 650 | 4.8 | 55 | 4.5 | 328.8 | 3724 | 2.7 | 90 | 6.5 | 331.9 | 3735 | 6.2 | 70 | 6.4 | 336.0 | 3753 | 5.7 | 54 | 4.8 | 330.5 | 3733 | 650 |
| 675 | 5.1 | 54 | 4.4 | 325.0 | 3415 | 4.9 | 72 | 5.8 | 329.0 | 3427 | 8.2 | 65 | 6.6 | 335.4 | 3442 | 7.3 | 52 | 5.0 | 329.4 | 3423 | 675 |
| 700 | 7.2 | 66 | 6.0 | 328.9 | 3117 | 7.2 | 55 | 5.0 | 325.9 | 3129 | 10.0 | 65 | 7.2 | 336.0 | 3140 | 8.4 | 58 | 5.7 | 329.5 | 3123 | 700 |
| 725 | 9.2 | 78 | 7.9 | 333.5 | 2826 | 9.9 | 40 | 4.2 | 323.4 | 2839 | 12.2 | 36 | 4.4 | 326.8 | 2847 | 10.4 | 48 | 5.2 | 327.2 | 2832 | 725 |
| 750 | 10.9 | 77 | 8.4 | 333.6 | 2544 | 12.5 | 25 | 3.0 | 319.7 | 2556 | 14.3 | 31 | 4.3 | 325.7 | 2561 | 12.9 | 28 | 3.4 | 321.6 | 2548 | 750 |
| 775 | 12.4 | 72 | 8.4 | 332.3 | 2269 | 14.7 | 28 | 3.7 | 321.5 | 2280 | 16.4 | 27 | 4.0 | 324.3 | 2284 | 14.1 | 42 | 5.4 | 325.7 | 2272 | 775 |
| 800 | 14.0 | 76 | 9.5 | 334.4 | 2001 | 16.9 | 33 | 4.9 | 324.5 | 2011 | 18.4 | 22 | 3.7 | 322.6 | 2013 | 16.0 | 34 | 4.9 | 323.4 | 2004 | 800 |
| 825 | 15.6 | 79 | 10.7 | 336.7 | 1740 | 18.2 | 39 | 6.3 | 327.2 | 1748 | 20.3 | 19 | 3.4 | 321.0 | 1749 | 17.9 | 25 | 3.9 | 319.7 | 1742 | 825 |
| 850 | 17.2 | 82 | 12.0 | 339.1 | 1485 | 18.4 | 49 | 7.7 | 328.4 | 1492 | 20.4 | 41 | 7.3 | 329.8 | 1491 | 19.2 | 28 | 4.6 | 320.4 | 1486 | 850 |
| 875 | 18.5 | 85 | 13.1 | 340.9 | 1236 | 19.6 | 67 | 11.0 | 336.5 | 1242 | 20.4 | 63 | 11.0 | 337.4 | 1241 | 19.7 | 42 | 7.0 | 325.2 | 1237 | 875 |
| 900 | 19.4 | 88 | 13.9 | 341.5 | 993 | 20.9 | 73 | 12.8 | 340.1 | 998 | 20.5 | 85 | 14.4 | 344.1 | 997 | 20.2 | 58 | 9.6 | 330.6 | 994 | 900 |
| 925 | 21.3 | 92 | 16.1 | 347.0 | 755 | 22.1 | 75 | 13.7 | 341.5 | 760 | 21.7 | 91 | 16.2 | 347.9 | 759 | 19.9 | 84 | 13.5 | 338.1 | 757 | 925 |
| 950 | 23.1 | 93 | 17.8 | 351.1 | 522 | 23.3 | 76 | 14.7 | 342.9 | 527 | 23.7 | 87 | 17.1 | 350.1 | 525 | 21.4 | 91 | 15.6 | 343.1 | 525 | 950 |
| 975 | 25.4 | 84 | 17.9 | 351.8 | 294 | 24.5 | 78 | 15.7 | 344.4 | 299 | 25.6 | 84 | 18.0 | 352.1 | 296 | 23.6 | 87 | 16.5 | 345.7 | 298 | 975 |
| 1000 | 27.3 | 82 | 19.1 | 354.9 | 69 | 25.6 | 79 | 16.7 | 346.0 | 76 | 27.4 | 80 | 18.7 | 354.1 | 72 | 25.7 | 82 | 17.4 | 348.1 | 75 | 1000 |
| SFC. | 27.5 | 88 | 20.6 | 358.5 | 0 | 26.0 | 80 | 17.0 | 346.6 | 0 | 28.0 | 79 | 19.0 | 354.7 | 0 | 26.4 | 81 | 17.7 | 348.9 | 0 | SFC. |
| | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1008.6 | | | | | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1008.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/10 1932 GMT T | RH | W | EPT | H | 4/10 2232 GMT T | RH | W | EPT | H | 4/11 123 GMT T | RH | W | EPT | H | 4/11 558 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -61.3 | 0 | 0.0 | 473.7 | 19565 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.2 | 0 | 0.0 | 469.4 | 19575 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -70.8 | 0 | 0.0 | 433.0 | 18633 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.0 | 16 | .0 | 439.0 | 18642 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -75.0 | 17 | .0 | 408.0 | 17852 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.2 | 16 | .0 | 409.7 | 17852 | -77.0 | 21 | .0 | 404.0 | 17919 | 80 |
| 90 | -79.1 | 17 | .0 | 386.5 | 17177 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 17 | .0 | 391.0 | 17171 | -78.8 | 22 | .0 | 387.0 | 17246 | 90 |
| 100 | -76.8 | 17 | .0 | 379.4 | 16574 | -78.4 | 20 | .0 | 376.3 | 16585 | -79.1 | 17 | .0 | 374.9 | 16568 | -80.4 | 22 | .0 | 372.4 | 16649 | 100 |
| 110 | -78.9 | 17 | .0 | 365.2 | 16031 | -80.1 | 20 | .0 | 362.9 | 16047 | -79.6 | 18 | .0 | 363.9 | 16028 | -77.4 | 21 | .0 | 368.1 | 16110 | 110 |
| 120 | -78.5 | 17 | .0 | 357.0 | 15536 | -77.2 | 20 | .0 | 359.4 | 15551 | -77.0 | 19 | .0 | 359.8 | 15531 | -73.4 | 22 | .0 | 366.3 | 15605 | 120 |
| 130 | -74.4 | 17 | .0 | 356.2 | 15075 | -74.5 | 20 | .0 | 356.1 | 15089 | -74.5 | 20 | .0 | 356.1 | 15069 | -70.3 | 22 | .0 | 363.5 | 15134 | 130 |
| 140 | -70.6 | 17 | .0 | 355.4 | 14639 | -70.6 | 20 | .0 | 355.4 | 14653 | -71.1 | 19 | .0 | 354.7 | 14634 | -67.5 | 22 | .0 | 360.9 | 14690 | 140 |
| 150 | -69.2 | 17 | .0 | 350.9 | 14228 | -66.9 | 19 | .0 | 354.9 | 14240 | -67.8 | 19 | .0 | 353.3 | 14222 | -64.8 | 23 | .0 | 358.4 | 14272 | 150 |
| 160 | -66.8 | 17 | .0 | 348.5 | 13841 | -65.8 | 18 | .0 | 350.3 | 13849 | -64.8 | 18 | .0 | 351.9 | 13831 | -62.4 | 23 | .0 | 356.1 | 13876 | 160 |
| 170 | -63.6 | 17 | .0 | 347.8 | 13472 | -62.6 | 18 | .0 | 349.6 | 13478 | -62.0 | 18 | .0 | 350.5 | 13459 | -60.0 | 24 | .0 | 353.8 | 13500 | 170 |
| 180 | -60.5 | 17 | .0 | 347.3 | 13118 | -59.5 | 18 | .0 | 348.9 | 13123 | -59.4 | 17 | .0 | 349.2 | 13103 | -57.6 | 24 | .0 | 352.2 | 13141 | 180 |
| 190 | -57.4 | 17 | .0 | 347.0 | 12779 | -56.7 | 18 | .0 | 348.2 | 12782 | -56.6 | 17 | .0 | 348.3 | 12763 | -54.5 | 24 | .0 | 351.7 | 12798 | 190 |
| 200 | -54.5 | 17 | .0 | 346.6 | 12453 | -53.9 | 19 | .0 | 347.5 | 12455 | -53.9 | 16 | .0 | 347.6 | 12435 | -51.7 | 23 | .0 | 351.2 | 12467 | 200 |
| 225 | -47.7 | 17 | .0 | 345.6 | 11687 | -47.7 | 19 | .0 | 345.7 | 11688 | -47.1 | 15 | .0 | 346.5 | 11668 | -45.1 | 23 | .1 | 349.8 | 11692 | 225 |
| 250 | -41.5 | 13 | .1 | 344.6 | 10982 | -41.2 | 19 | .1 | 345.2 | 10983 | -40.5 | 15 | .1 | 346.1 | 10960 | -39.2 | 22 | .1 | 348.4 | 10979 | 250 |
| 275 | -35.4 | 13 | .1 | 344.4 | 10327 | -35.1 | 18 | .1 | 344.9 | 10327 | -34.6 | 14 | .1 | 345.5 | 10302 | -33.8 | 22 | .2 | 347.0 | 10318 | 275 |
| 300 | -29.7 | 12 | .1 | 344.0 | 9714 | -29.6 | 18 | .2 | 344.5 | 9713 | -29.2 | 14 | .2 | 344.9 | 9688 | -28.9 | 21 | .3 | 345.6 | 9702 | 300 |
| 325 | -24.9 | 14 | .2 | 343.3 | 9137 | -24.5 | 17 | .3 | 344.1 | 9136 | -24.5 | 17 | .3 | 344.0 | 9110 | -24.5 | 21 | .3 | 344.4 | 9124 | 325 |
| 350 | -21.0 | 21 | .4 | 342.1 | 8594 | -20.8 | 21 | .4 | 342.4 | 8592 | -22.4 | 38 | .7 | 341.1 | 8568 | -23.3 | 32 | .5 | 339.4 | 8583 | 350 |
| 375 | -17.4 | 27 | .7 | 341.2 | 8081 | -17.7 | 26 | .7 | 340.7 | 8079 | -19.0 | 39 | .9 | 339.8 | 8058 | -19.7 | 23 | .5 | 337.4 | 8075 | 375 |
| 400 | -15.6 | 42 | 1.2 | 339.1 | 7595 | -14.7 | 30 | .9 | 339.3 | 7593 | -15.0 | 30 | .9 | 338.8 | 7574 | -15.6 | 17 | .5 | 336.6 | 7592 | 400 |
| 425 | -12.2 | 32 | 1.1 | 337.5 | 7134 | -11.1 | 27 | 1.0 | 338.5 | 7131 | -11.8 | 29 | 1.0 | 337.7 | 7113 | -12.1 | 19 | .7 | 336.0 | 7131 | 425 |
| 450 | -9.4 | 39 | 1.6 | 337.2 | 6695 | -7.7 | 23 | 1.1 | 337.7 | 6689 | -8.8 | 28 | 1.2 | 336.6 | 6672 | -8.7 | 20 | .9 | 335.6 | 6691 | 450 |
| 475 | -7.4 | 52 | 2.4 | 337.1 | 6275 | -5.6 | 28 | 1.5 | 336.2 | 6266 | -5.9 | 27 | 1.4 | 335.6 | 6251 | -5.5 | 22 | 1.1 | 335.3 | 6270 | 475 |
| 500 | -4.6 | 52 | 2.8 | 337.1 | 5873 | -4.8 | 39 | 2.1 | 334.3 | 5863 | -4.0 | 33 | 1.9 | 334.7 | 5848 | -2.5 | 23 | 1.4 | 335.1 | 5865 | 500 |
| 525 | -2.0 | 52 | 3.3 | 337.2 | 5487 | -2.8 | 41 | 2.5 | 333.5 | 5478 | -2.0 | 38 | 2.4 | 334.2 | 5461 | -.6 | 32 | 2.2 | 335.4 | 5476 | 525 |
| 550 | -.8 | 56 | 3.7 | 335.2 | 5116 | -.5 | 42 | 2.8 | 333.0 | 5107 | .5 | 37 | 2.7 | 333.7 | 5090 | 1.2 | 41 | 3.1 | 336.0 | 5103 | 550 |
| 575 | 1.5 | 39 | 2.9 | 331.4 | 4759 | 1.7 | 37 | 2.8 | 331.4 | 4750 | 2.9 | 36 | 3.0 | 333.3 | 4731 | 3.0 | 49 | 4.1 | 336.9 | 4744 | 575 |
| 600 | 3.5 | 34 | 2.8 | 329.4 | 4415 | 3.8 | 32 | 2.7 | 329.4 | 4406 | 4.4 | 40 | 3.5 | 332.8 | 4385 | 4.4 | 57 | 5.0 | 337.4 | 4398 | 600 |
| 625 | 5.2 | 34 | 3.0 | 328.4 | 4082 | 5.8 | 28 | 2.6 | 327.8 | 4073 | 5.1 | 46 | 4.0 | 331.2 | 4052 | 5.6 | 63 | 5.8 | 337.2 | 4064 | 625 |
| 650 | 7.0 | 34 | 3.3 | 327.5 | 3761 | 7.6 | 35 | 3.5 | 328.9 | 3751 | 6.8 | 40 | 3.8 | 328.9 | 3731 | 7.1 | 62 | 6.1 | 336.2 | 3742 | 650 |
| 675 | 8.6 | 34 | 3.5 | 326.7 | 3450 | 8.6 | 43 | 4.5 | 329.6 | 3439 | 8.5 | 34 | 3.5 | 326.5 | 3420 | 8.9 | 48 | 5.0 | 331.6 | 3430 | 675 |
| 700 | 10.0 | 44 | 4.8 | 328.6 | 3148 | 10.3 | 37 | 4.1 | 326.9 | 3138 | 10.2 | 31 | 3.4 | 324.9 | 3119 | 10.6 | 33 | 3.7 | 326.3 | 3128 | 700 |
| 725 | 11.7 | 37 | 4.4 | 326.4 | 2856 | 11.8 | 31 | 3.7 | 324.2 | 2845 | 11.8 | 28 | 3.3 | 323.2 | 2826 | 12.0 | 32 | 3.9 | 325.1 | 2835 | 725 |
| 750 | 13.7 | 26 | 3.3 | 322.2 | 2571 | 13.4 | 31 | 4.0 | 323.9 | 2561 | 13.4 | 25 | 3.2 | 321.5 | 2542 | 13.4 | 32 | 4.1 | 324.0 | 2551 | 750 |
| 775 | 15.1 | 37 | 5.1 | 326.0 | 2294 | 15.1 | 34 | 4.8 | 324.9 | 2284 | 14.9 | 22 | 3.1 | 319.7 | 2265 | 14.8 | 31 | 4.2 | 323.0 | 2274 | 775 |
| 800 | 16.9 | 34 | 5.1 | 325.1 | 2025 | 17.0 | 28 | 4.2 | 322.5 | 2014 | 16.4 | 20 | 2.9 | 317.9 | 1996 | 16.1 | 30 | 4.4 | 321.9 | 2005 | 800 |
| 825 | 19.0 | 18 | 3.0 | 318.4 | 1762 | 18.9 | 21 | 3.5 | 319.6 | 1751 | 17.6 | 22 | 3.4 | 318.0 | 1734 | 17.3 | 31 | 4.7 | 321.5 | 1743 | 825 |
| 850 | 19.6 | 22 | 3.7 | 318.3 | 1505 | 16.8 | 63 | 8.9 | 330.0 | 1496 | 18.4 | 38 | 5.9 | 323.2 | 1479 | 18.4 | 42 | 6.6 | 325.4 | 1488 | 850 |
| 875 | 19.5 | 47 | 7.7 | 327.0 | 1256 | 18.5 | 61 | 9.4 | 330.8 | 1248 | 19.1 | 52 | 8.3 | 328.3 | 1230 | 19.5 | 52 | 8.5 | 329.4 | 1239 | 875 |
| 900 | 19.7 | 69 | 11.1 | 334.0 | 1013 | 20.2 | 60 | 10.0 | 331.6 | 1005 | 20.1 | 62 | 10.3 | 332.2 | 988 | 20.5 | 63 | 10.6 | 333.6 | 995 | 900 |
| 925 | 21.1 | 73 | 12.5 | 337.0 | 776 | 21.9 | 59 | 10.5 | 332.4 | 768 | 21.4 | 66 | 11.4 | 334.3 | 750 | 21.5 | 72 | 12.7 | 338.1 | 758 | 925 |
| 950 | 23.1 | 70 | 13.2 | 338.7 | 544 | 23.5 | 57 | 11.1 | 333.2 | 535 | 23.0 | 68 | 12.9 | 337.6 | 518 | 22.7 | 79 | 14.7 | 342.1 | 525 | 950 |
| 975 | 25.1 | 67 | 13.9 | 340.4 | 316 | 25.0 | 56 | 11.6 | 333.9 | 307 | 25.7 | 70 | 15.1 | 344.4 | 290 | 24.9 | 75 | 15.4 | 344.2 | 297 | 975 |
| 1000 | 27.1 | 66 | 15.1 | 343.5 | 92 | 26.7 | 57 | 12.7 | 336.5 | 84 | 28.3 | 72 | 17.6 | 351.9 | 65 | 27.0 | 70 | 16.0 | 346.1 | 73 | 1000 |
| SFC. | 28.0 | 68 | 16.2 | 346.8 | 0 | 28.8 | 75 | 18.9 | 355.2 | 0 | 29.0 | 72 | 18.3 | 354.3 | 0 | 27.7 | 69 | 16.2 | 346.6 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1010.4 | SURFACE PRESSURE | | | | 1009.5 | SURFACE PRESSURE | | | | 1007.3 | SURFACE PRESSURE | | | | 1008.3 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 4/11 1142 GMT | | | | | 4/11 1838 GMT | | | | | 4/11 2321 GMT | | | | | 4/12 6 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -64.0 | 0 | 0.0 | 467.7 | 19569 | -60.2 | 0 | 0.0 | 476.2 | 19575 | -64.7 | 0 | 0.0 | 466.1 | 19595 | -63.8 | 0 | 0.0 | 468.1 | 19534 | 60 |
| 70 | -74.1 | 0 | 0.0 | 425.8 | 18647 | -69.5 | 0 | 0.0 | 435.6 | 18631 | -68.8 | 0 | 0.0 | 437.3 | 18658 | -70.6 | 0 | 0.0 | 433.4 | 18604 | 70 |
| 80 | -76.4 | 0 | 0.0 | 405.3 | 17876 | -75.5 | 0 | 0.0 | 407.0 | 17851 | -75.9 | 16 | .0 | 406.2 | 17876 | -77.9 | 30 | .0 | 402.0 | 17825 | 80 |
| 90 | -76.7 | 0 | 0.0 | 391.1 | 17198 | -77.4 | 16 | .0 | 389.9 | 17173 | -77.4 | 16 | .0 | 389.9 | 17200 | -78.7 | 30 | .0 | 387.3 | 17155 | 90 |
| 100 | -77.1 | 13 | .0 | 378.8 | 16593 | -76.7 | 16 | .0 | 379.6 | 16568 | -75.2 | 16 | .0 | 382.5 | 16593 | -77.7 | 30 | .0 | 377.6 | 16553 | 100 |
| 110 | -79.8 | 13 | .0 | 363.6 | 16049 | -75.7 | 16 | .0 | 371.2 | 16016 | -75.4 | 16 | .0 | 371.9 | 16040 | -77.1 | 30 | .0 | 368.6 | 16007 | 110 |
| 120 | -79.0 | 13 | .0 | 356.1 | 15557 | -77.5 | 16 | .0 | 358.8 | 15516 | -76.6 | 16 | .0 | 360.5 | 15538 | -76.6 | 30 | .0 | 360.6 | 15507 | 120 |
| 130 | -75.2 | 13 | .0 | 354.7 | 15098 | -75.7 | 16 | .0 | 354.0 | 15055 | -74.1 | 17 | .0 | 356.7 | 15075 | -75.7 | 30 | .0 | 353.8 | 15045 | 130 |
| 140 | -71.8 | 13 | .0 | 353.4 | 14665 | -72.2 | 16 | .0 | 352.7 | 14623 | -70.7 | 17 | .0 | 355.4 | 14640 | -72.3 | 30 | .0 | 352.5 | 14613 | 140 |
| 150 | -68.5 | 12 | .0 | 352.1 | 14254 | -68.9 | 16 | .0 | 351.4 | 14214 | -67.4 | 16 | .0 | 354.0 | 14227 | -69.1 | 30 | .0 | 351.1 | 14204 | 150 |
| 160 | -65.5 | 12 | .0 | 350.8 | 13865 | -65.8 | 16 | .0 | 350.2 | 13825 | -64.4 | 16 | .0 | 352.7 | 13836 | -65.9 | 30 | .0 | 350.2 | 13815 | 160 |
| 170 | -62.6 | 12 | .0 | 349.5 | 13494 | -62.7 | 16 | .0 | 349.3 | 13454 | -61.5 | 16 | .0 | 351.4 | 13462 | -62.7 | 31 | .0 | 349.4 | 13445 | 170 |
| 180 | -59.7 | 12 | .0 | 348.7 | 13139 | -59.8 | 15 | .0 | 348.4 | 13099 | -58.8 | 16 | .0 | 350.1 | 13106 | -59.8 | 31 | .0 | 348.5 | 13090 | 180 |
| 190 | -56.8 | 11 | .0 | 348.0 | 12798 | -57.1 | 15 | .0 | 347.5 | 12759 | -56.3 | 16 | .0 | 348.8 | 12764 | -57.0 | 31 | .0 | 347.7 | 12750 | 190 |
| 200 | -54.0 | 11 | .0 | 347.3 | 12471 | -54.5 | 15 | .0 | 346.6 | 12433 | -53.9 | 16 | .0 | 347.5 | 12437 | -54.4 | 32 | .0 | 346.9 | 12423 | 200 |
| 225 | -47.3 | 0 | 0.0 | 346.1 | 11704 | -48.5 | 14 | .0 | 344.3 | 11668 | -47.8 | 16 | .0 | 345.4 | 11671 | -48.3 | 32 | .1 | 344.8 | 11658 | 225 |
| 250 | -40.5 | 0 | 0.0 | 345.9 | 10997 | -42.1 | 13 | .1 | 343.7 | 10966 | -41.5 | 15 | .1 | 344.6 | 10966 | -42.7 | 32 | .1 | 343.1 | 10956 | 250 |
| 275 | -34.3 | M | M | M | 10339 | -36.0 | 12 | .1 | 343.4 | 10312 | -35.8 | 14 | .1 | 343.8 | 10311 | -36.5 | 27 | .2 | 343.0 | 10304 | 275 |
| 300 | -28.7 | M | M | M | 9723 | -30.5 | 12 | .1 | 342.9 | 9701 | -30.6 | 13 | .1 | 342.9 | 9700 | -30.9 | 23 | .2 | 342.7 | 9694 | 300 |
| 325 | -24.2 | M | M | M | 9144 | -25.5 | 12 | .2 | 342.3 | 9126 | -25.8 | 12 | .2 | 341.9 | 9125 | -25.9 | 20 | .3 | 342.2 | 9120 | 325 |
| 350 | -20.8 | 18 | .4 | 342.2 | 8600 | -21.0 | 12 | .2 | 341.5 | 8583 | -21.6 | 12 | .2 | 340.6 | 8584 | -22.2 | 18 | .3 | 340.2 | 8580 | 350 |
| 375 | -18.1 | 21 | .5 | 339.6 | 8089 | -20.3 | 14 | .3 | 335.8 | 8072 | -18.3 | 17 | .4 | 338.9 | 8072 | -18.7 | 68 | 1.6 | 342.6 | 8069 | 375 |
| 400 | -14.7 | 13 | .4 | 337.4 | 7603 | -15.8 | 14 | .4 | 336.0 | 7590 | -15.5 | 13 | .4 | 336.3 | 7588 | -14.9 | 18 | .5 | 337.7 | 7584 | 400 |
| 425 | -11.5 | 14 | .5 | 336.3 | 7141 | -12.6 | 14 | .5 | 334.6 | 7130 | -11.6 | 13 | .5 | 336.0 | 7127 | -12.2 | 18 | .6 | 335.8 | 7123 | 425 |
| 450 | -8.5 | 16 | .7 | 335.2 | 6700 | -9.5 | 13 | .5 | 333.4 | 6691 | -9.3 | 13 | .5 | 333.6 | 6687 | -9.6 | 19 | .8 | 334.0 | 6684 | 450 |
| 475 | -5.6 | 17 | .9 | 334.3 | 6279 | -6.8 | 19 | .9 | 332.8 | 6272 | -6.9 | 16 | .7 | 332.1 | 6267 | -7.4 | 24 | 1.1 | 332.8 | 6264 | 475 |
| 500 | -4.0 | 42 | 2.4 | 336.4 | 5875 | -4.5 | 29 | 1.6 | 333.2 | 5869 | -5.5 | 29 | 1.4 | 331.5 | 5866 | -6.1 | 58 | 2.8 | 335.0 | 5864 | 500 |
| 525 | -2.5 | 67 | 4.0 | 338.8 | 5489 | -4.0 | 54 | 2.9 | 333.4 | 5485 | -3.3 | 43 | 2.4 | 332.7 | 5481 | -3.8 | 59 | 3.2 | 334.6 | 5480 | 525 |
| 550 | -.7 | 80 | 5.3 | 340.5 | 5118 | -2.1 | 60 | 3.6 | 333.4 | 5116 | -1.0 | 44 | 2.9 | 332.5 | 5112 | -2.0 | 78 | 4.7 | 337.0 | 5111 | 550 |
| 575 | 1.6 | 79 | 5.9 | 340.9 | 4761 | .6 | 56 | 3.9 | 333.5 | 4761 | 1.3 | 43 | 3.2 | 332.1 | 4755 | .6 | 65 | 4.5 | 335.4 | 4755 | 575 |
| 600 | 3.6 | 66 | 5.5 | 337.8 | 4416 | 3.3 | 51 | 4.1 | 333.2 | 4417 | 3.5 | 43 | 3.5 | 331.7 | 4411 | 3.0 | 52 | 4.1 | 332.8 | 4412 | 600 |
| 625 | 5.4 | 62 | 5.6 | 336.6 | 4083 | 5.5 | 49 | 4.5 | 333.1 | 4084 | 5.6 | 43 | 3.9 | 331.6 | 4078 | 4.9 | 61 | 5.3 | 335.0 | 4080 | 625 |
| 650 | 7.4 | 70 | 7.0 | 339.3 | 3760 | 7.0 | 54 | 5.2 | 333.4 | 3762 | 7.5 | 43 | 4.3 | 331.2 | 3756 | 7.2 | 61 | 5.9 | 335.8 | 3758 | 650 |
| 675 | 9.6 | 62 | 6.9 | 338.0 | 3448 | 9.1 | 43 | 4.7 | 330.8 | 3451 | 9.5 | 38 | 4.2 | 329.9 | 3444 | 9.3 | 60 | 6.6 | 336.8 | 3445 | 675 |
| 700 | 11.7 | 54 | 6.7 | 336.5 | 3144 | 10.9 | 47 | 5.4 | 331.8 | 3148 | 11.5 | 34 | 4.1 | 328.5 | 3141 | 11.4 | 60 | 7.3 | 337.9 | 3142 | 700 |
| 725 | 12.1 | 64 | 7.9 | 336.9 | 2850 | 12.6 | 50 | 6.3 | 333.0 | 2854 | 12.4 | 44 | 5.5 | 330.5 | 2847 | 13.4 | 60 | 8.0 | 339.0 | 2847 | 725 |
| 750 | 14.4 | 43 | 5.9 | 330.7 | 2565 | 14.1 | 43 | 5.8 | 329.8 | 2569 | 13.9 | 36 | 4.8 | 326.7 | 2562 | 13.0 | 74 | 9.3 | 338.9 | 2562 | 750 |
| 775 | 15.8 | 34 | 5.0 | 326.3 | 2287 | 15.4 | 30 | 4.2 | 323.5 | 2292 | 15.2 | 27 | 3.8 | 322.4 | 2285 | 14.5 | 50 | 6.6 | 329.6 | 2285 | 775 |
| 800 | 16.3 | 36 | 5.3 | 324.9 | 2017 | 16.1 | 34 | 4.8 | 323.4 | 2022 | 16.2 | 30 | 4.3 | 321.8 | 2016 | 16.3 | 38 | 5.6 | 325.8 | 2016 | 800 |
| 825 | 18.0 | 39 | 6.1 | 326.5 | 1755 | 16.7 | 44 | 6.4 | 325.5 | 1760 | 15.4 | 55 | 7.3 | 326.7 | 1754 | 17.3 | 54 | 8.1 | 331.3 | 1753 | 825 |
| 850 | 19.6 | 47 | 7.9 | 330.4 | 1498 | 16.5 | 65 | 9.1 | 330.2 | 1506 | 17.2 | 53 | 7.8 | 327.3 | 1500 | 17.0 | 87 | 12.6 | 340.5 | 1498 | 850 |
| 875 | 20.2 | 64 | 10.9 | 336.8 | 1248 | 17.7 | 69 | 10.2 | 331.8 | 1258 | 19.0 | 52 | 8.2 | 327.8 | 1252 | 18.4 | 89 | 13.7 | 342.4 | 1249 | 875 |
| 900 | 20.7 | 80 | 13.9 | 343.0 | 1004 | 19.6 | 64 | 10.3 | 331.7 | 1016 | 20.7 | 50 | 8.6 | 328.3 | 1009 | 19.8 | 91 | 14.8 | 344.4 | 1006 | 900 |
| 925 | 21.5 | 93 | 16.5 | 348.3 | 766 | 21.4 | 65 | 11.3 | 333.9 | 779 | 22.4 | 50 | 9.2 | 329.3 | 771 | 21.3 | 91 | 15.9 | 346.3 | 768 | 925 |
| 950 | 23.5 | 86 | 16.8 | 348.8 | 533 | 22.9 | 70 | 13.1 | 338.0 | 546 | 23.7 | 57 | 11.2 | 333.8 | 538 | 23.3 | 84 | 16.1 | 346.8 | 535 | 950 |
| 975 | 25.4 | 80 | 16.9 | 349.0 | 304 | 24.8 | 63 | 12.9 | 337.1 | 319 | 25.5 | 58 | 12.2 | 336.3 | 310 | 25.3 | 77 | 16.2 | 347.0 | 306 | 975 |
| 1000 | 27.2 | 73 | 16.9 | 348.8 | 80 | 26.8 | 65 | 14.5 | 341.7 | 95 | 28.1 | 59 | 14.4 | 343.0 | 86 | 27.3 | 70 | 16.1 | 346.6 | 82 | 1000 |
| SFC. | 27.9 | 71 | 16.9 | 348.7 | 0 | 27.8 | 72 | 17.0 | 348.7 | 0 | 29.6 | 67 | 17.6 | 352.8 | 0 | 28.0 | 67 | 16.0 | 346.3 | 0 | SFC. |
| | SURFACE PRESSURE 1009.0 | | | | | SURFACE PRESSURE 1010.8 | | | | | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1009.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/12 1137 GMT T | RH | W | EPT | H | 4/12 18 4 GMT T | RH | W | EPT | H | 4/13 1150 GMT T | RH | W | EPT | H | 4/13 1713 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.1 | 0 | 0.0 | 467.4 | 19545 | -63.8 | 0 | 0.0 | 468.1 | 19469 | -63.3 | 0 | 0.0 | 469.2 | 19507 | -60.4 | 0 | 0.0 | 475.7 | 19527 | 60 |
| 70 | -72.9 | 0 | 0.0 | 428.5 | 18628 | -72.5 | 0 | 0.0 | 429.3 | 18544 | -73.3 | 0 | 0.0 | 427.6 | 18582 | -73.7 | 0 | 0.0 | 426.6 | 18604 | 70 |
| 80 | -76.8 | 0 | 0.0 | 404.4 | 17852 | -73.8 | 0 | 0.0 | 410.5 | 17765 | -78.0 | 0 | 0.0 | 401.9 | 17813 | -75.9 | 19 | .0 | 406.3 | 17830 | 80 |
| 90 | -80.2 | 0 | 0.0 | 384.1 | 17181 | -78.2 | 18 | .0 | 388.1 | 17087 | -79.6 | 0 | 0.0 | 385.4 | 17143 | -79.4 | 20 | .0 | 385.8 | 17155 | 90 |
| 100 | -79.2 | 25 | .0 | 374.7 | 16586 | -79.2 | 18 | .0 | 374.7 | 16487 | -79.3 | 19 | .0 | 374.5 | 16546 | -80.8 | 20 | .0 | 371.6 | 16561 | 100 |
| 110 | -76.5 | 25 | .0 | 369.8 | 16041 | -76.8 | 18 | .0 | 369.3 | 15942 | -76.6 | 19 | .0 | 369.6 | 16001 | -77.7 | 20 | .0 | 367.5 | 16020 | 110 |
| 120 | -75.9 | 25 | .0 | 361.7 | 15539 | -74.5 | 18 | .0 | 364.3 | 15439 | -74.1 | 19 | .0 | 365.1 | 15497 | -74.8 | 20 | .0 | 363.8 | 15518 | 120 |
| 130 | -74.8 | 25 | .0 | 355.5 | 15076 | -75.5 | 19 | .0 | 354.2 | 14975 | -74.7 | 19 | .0 | 355.7 | 15031 | -73.9 | 20 | .0 | 357.1 | 15054 | 130 |
| 140 | -72.1 | 25 | .0 | 352.9 | 14643 | -73.4 | 18 | .0 | 350.5 | 14544 | -71.8 | 19 | .0 | 353.4 | 14597 | -70.9 | 19 | .0 | 355.0 | 14618 | 140 |
| 150 | -69.5 | 24 | .0 | 350.5 | 14234 | -71.5 | 18 | .0 | 347.0 | 14138 | -69.0 | 18 | .0 | 351.2 | 14188 | -68.0 | 19 | .0 | 353.0 | 14207 | 150 |
| 160 | -66.6 | 24 | .0 | 348.9 | 13846 | -67.7 | 18 | .0 | 347.1 | 13754 | -66.5 | 18 | .0 | 349.1 | 13799 | -65.5 | 19 | .0 | 350.8 | 13817 | 160 |
| 170 | -63.2 | 23 | .0 | 348.6 | 13476 | -64.0 | 18 | .0 | 347.2 | 13385 | -63.6 | 18 | .0 | 347.9 | 13430 | -63.1 | 20 | .0 | 348.7 | 13446 | 170 |
| 180 | -60.0 | 23 | .0 | 348.2 | 13122 | -61.0 | 18 | .0 | 346.6 | 13033 | -60.6 | 18 | .0 | 347.1 | 13077 | -60.4 | 20 | .0 | 347.5 | 13092 | 180 |
| 190 | -56.9 | 22 | .0 | 347.8 | 12782 | -58.2 | 17 | .0 | 345.7 | 12695 | -57.8 | 18 | .0 | 346.3 | 12738 | -57.3 | 19 | .0 | 347.2 | 12753 | 190 |
| 200 | -54.0 | 22 | .0 | 347.5 | 12455 | -55.6 | 17 | .0 | 344.8 | 12370 | -55.1 | 18 | .0 | 345.6 | 12413 | -54.3 | 18 | .0 | 346.9 | 12426 | 200 |
| 225 | -47.1 | 20 | .0 | 346.5 | 11687 | -49.5 | 16 | .0 | 342.8 | 11609 | -49.0 | 17 | .0 | 343.6 | 11650 | -47.8 | 17 | .0 | 345.5 | 11660 | 225 |
| 250 | -42.4 | 23 | .1 | 343.4 | 10982 | -44.0 | 15 | .0 | 340.8 | 10910 | -43.4 | 17 | .1 | 341.9 | 10950 | -41.9 | 16 | .1 | 344.1 | 10956 | 250 |
| 275 | -36.3 | 19 | .1 | 343.1 | 10329 | -37.9 | 14 | .1 | 340.7 | 10262 | -37.0 | 15 | .1 | 342.0 | 10300 | -36.2 | 16 | .1 | 343.2 | 10302 | 275 |
| 300 | -30.7 | 16 | .2 | 342.8 | 9719 | -32.2 | 14 | .1 | 340.5 | 9656 | -31.2 | 14 | .1 | 342.0 | 9690 | -31.0 | 16 | .2 | 342.3 | 9692 | 300 |
| 325 | -25.3 | 14 | .2 | 342.7 | 9144 | -26.8 | 14 | .2 | 340.5 | 9084 | -26.1 | 13 | .2 | 341.5 | 9117 | -25.6 | 15 | .2 | 342.3 | 9118 | 325 |
| 350 | -20.6 | 16 | .3 | 342.4 | 8601 | -21.8 | 13 | .3 | 340.3 | 8544 | -21.4 | 12 | .2 | 340.9 | 8576 | -20.6 | 14 | .3 | 342.2 | 8575 | 350 |
| 375 | -16.8 | 21 | .6 | 341.6 | 8087 | -17.2 | 13 | .3 | 340.2 | 8032 | -18.2 | 12 | .3 | 338.7 | 8064 | -17.7 | 14 | .4 | 339.7 | 8062 | 375 |
| 400 | -14.0 | 12 | .4 | 338.3 | 7599 | -15.8 | 21 | .6 | 336.7 | 7546 | -15.5 | 13 | .4 | 336.3 | 7579 | -14.9 | 14 | .4 | 337.3 | 7576 | 400 |
| 425 | -11.2 | 14 | .5 | 336.5 | 7136 | -13.2 | 22 | .7 | 334.7 | 7086 | -12.6 | 19 | .6 | 335.2 | 7119 | -12.8 | 16 | .5 | 334.5 | 7116 | 425 |
| 450 | -9.2 | 14 | .6 | 333.9 | 6696 | -10.7 | 22 | .8 | 332.8 | 6649 | -9.9 | 24 | 1.0 | 334.3 | 6680 | -9.3 | 16 | .7 | 333.9 | 6677 | 450 |
| 475 | -7.4 | 26 | 1.2 | 333.1 | 6277 | -8.9 | 26 | 1.0 | 330.7 | 6232 | -7.4 | 30 | 1.4 | 333.7 | 6261 | -7.3 | 21 | 1.0 | 332.5 | 6258 | 475 |
| 500 | -5.3 | 47 | 2.4 | 334.8 | 5876 | -7.2 | 29 | 1.3 | 328.7 | 5833 | -4.9 | 35 | 1.8 | 333.4 | 5860 | -5.3 | 26 | 1.3 | 331.2 | 5857 | 500 |
| 525 | -3.3 | 64 | 3.7 | 336.7 | 5491 | -4.9 | 46 | 2.3 | 330.2 | 5451 | -2.6 | 38 | 2.3 | 333.2 | 5474 | -3.5 | 30 | 1.7 | 330.2 | 5472 | 525 |
| 550 | -1.3 | 77 | 4.9 | 338.4 | 5121 | -2.4 | 46 | 2.7 | 330.3 | 5084 | -.1 | 32 | 2.2 | 331.4 | 5104 | -1.7 | 35 | 2.1 | 329.3 | 5103 | 550 |
| 575 | 1.2 | 73 | 5.3 | 338.4 | 4764 | -.2 | 47 | 3.1 | 329.9 | 4729 | 1.9 | 33 | 2.5 | 330.7 | 4746 | .3 | 41 | 2.7 | 329.5 | 4748 | 575 |
| 600 | 3.6 | 59 | 4.9 | 336.3 | 4420 | 1.5 | 53 | 3.8 | 330.0 | 4387 | 3.3 | 47 | 3.8 | 332.4 | 4402 | 2.3 | 47 | 3.5 | 330.2 | 4405 | 600 |
| 625 | 6.0 | 47 | 4.4 | 333.6 | 4086 | 3.7 | 42 | 3.4 | 327.6 | 4057 | 5.4 | 49 | 4.4 | 332.7 | 4069 | 4.2 | 52 | 4.3 | 331.2 | 4074 | 625 |
| 650 | 8.1 | 52 | 5.4 | 335.4 | 3764 | 5.1 | 52 | 4.3 | 328.5 | 3737 | 7.4 | 50 | 5.0 | 333.3 | 3747 | 6.3 | 54 | 4.9 | 331.8 | 3753 | 650 |
| 675 | 10.0 | 58 | 6.6 | 337.8 | 3450 | 6.4 | 60 | 5.4 | 329.6 | 3428 | 9.3 | 52 | 5.6 | 333.9 | 3435 | 8.6 | 51 | 5.3 | 332.0 | 3442 | 675 |
| 700 | 11.0 | 75 | 8.8 | 341.8 | 3147 | 6.9 | 79 | 7.1 | 331.6 | 3129 | 11.0 | 55 | 6.5 | 335.0 | 3132 | 10.6 | 51 | 5.9 | 332.6 | 3140 | 700 |
| 725 | 11.9 | 91 | 11.1 | 345.9 | 2853 | 9.3 | 69 | 7.0 | 330.9 | 2839 | 11.7 | 67 | 8.0 | 336.9 | 2839 | 11.8 | 65 | 7.8 | 336.3 | 2847 | 725 |
| 750 | 13.7 | 67 | 8.9 | 338.5 | 2567 | 11.6 | 59 | 6.7 | 329.7 | 2556 | 12.5 | 79 | 9.6 | 338.9 | 2554 | 11.6 | 81 | 9.2 | 336.9 | 2563 | 750 |
| 775 | 15.5 | 44 | 6.3 | 330.1 | 2290 | 13.9 | 49 | 6.3 | 328.0 | 2281 | 14.0 | 49 | 6.3 | 328.2 | 2277 | 13.2 | 72 | 8.9 | 334.8 | 2287 | 775 |
| 800 | 17.2 | 38 | 5.8 | 327.6 | 2019 | 16.1 | 39 | 5.6 | 325.7 | 2012 | 14.5 | 63 | 8.2 | 331.2 | 2009 | 14.8 | 64 | 8.5 | 332.4 | 2018 | 800 |
| 825 | 18.0 | 45 | 7.1 | 329.2 | 1756 | 16.4 | 54 | 7.7 | 329.1 | 1750 | 15.3 | 89 | 11.8 | 339.2 | 1748 | 16.2 | 63 | 8.8 | 332.0 | 1757 | 825 |
| 850 | 17.6 | 76 | 11.4 | 338.1 | 1501 | 17.1 | 64 | 9.3 | 331.5 | 1495 | 17.1 | 84 | 12.1 | 339.4 | 1493 | 17.8 | 66 | 10.0 | 334.2 | 1502 | 850 |
| 875 | 18.9 | 82 | 13.1 | 341.4 | 1251 | 18.3 | 68 | 10.3 | 332.8 | 1247 | 18.8 | 79 | 12.4 | 339.4 | 1244 | 19.1 | 73 | 11.6 | 337.7 | 1253 | 875 |
| 900 | 20.2 | 88 | 14.8 | 345.0 | 1008 | 19.4 | 71 | 11.3 | 334.2 | 1004 | 20.5 | 74 | 12.6 | 339.2 | 1001 | 20.4 | 79 | 13.4 | 341.4 | 1009 | 900 |
| 925 | 21.5 | 94 | 16.7 | 348.8 | 770 | 20.5 | 74 | 12.3 | 335.7 | 767 | 21.9 | 78 | 14.0 | 342.0 | 763 | 21.7 | 86 | 15.3 | 345.3 | 771 | 925 |
| 950 | 23.3 | 89 | 17.2 | 349.7 | 537 | 21.6 | 77 | 13.4 | 337.3 | 536 | 22.8 | 91 | 17.1 | 348.8 | 530 | 23.2 | 88 | 16.8 | 348.6 | 538 | 950 |
| 975 | 25.1 | 83 | 17.3 | 349.6 | 308 | 22.2 | 74 | 13.0 | 334.3 | 310 | 24.8 | 83 | 17.2 | 349.0 | 302 | 25.5 | 79 | 16.8 | 349.0 | 309 | 975 |
| 1000 | 26.8 | 76 | 17.2 | 349.2 | 84 | 23.9 | 74 | 13.9 | 336.3 | 89 | 26.8 | 76 | 17.1 | 348.6 | 78 | 27.1 | 77 | 17.7 | 350.9 | 85 | 1000 |
| SFC. | 27.5 | 74 | 17.2 | 348.9 | 0 | 26.1 | 78 | 16.7 | 345.6 | 0 | 27.5 | 73 | 17.0 | 348.4 | 0 | 27.3 | 82 | 18.9 | 353.3 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.5 | SURFACE PRESSURE | | | | 1010.1 | SURFACE PRESSURE | | | | 1008.8 | SURFACE PRESSURE | | | | 1009.6 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/13 1935 GMT T | RH | W | EPT | H | 4/13 2233 GMT T | RH | W | EPT | H | 4/14 125 GMT T | RH | W | EPT | H | 4/14 543 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -60.8 | 0 | 0.0 | 474.8 | 19543 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.3 | 0 | 0.0 | 471.5 | 19530 | -68.0 | 0 | 0.0 | 458.7 | 19458 | 60 |
| 70 | -74.8 | 0 | 0.0 | 424.4 | 18616 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.4 | 0 | 0.0 | 429.6 | 18601 | -71.6 | 26 | .0 | 431.3 | 18544 | 70 |
| 80 | -77.1 | 0 | 0.0 | 403.8 | 17845 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.9 | 0 | 0.0 | 404.2 | 17828 | -79.2 | 27 | .0 | 399.4 | 17773 | 80 |
| 90 | -78.8 | 19 | .0 | 387.1 | 17172 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.2 | 19 | .0 | 388.2 | 17153 | -82.6 | 28 | .0 | 379.5 | 17110 | 90 |
| 100 | -80.0 | 19 | .0 | 373.2 | 16574 | -80.6 | 18 | .0 | 372.0 | 16586 | -79.4 | 20 | .0 | 374.3 | 16553 | -82.0 | 27 | .0 | 369.3 | 16522 | 100 |
| 110 | -76.7 | 19 | .0 | 369.3 | 16030 | -77.5 | 18 | .0 | 367.8 | 16044 | -76.2 | 20 | .0 | 370.2 | 16008 | -77.9 | 26 | .0 | 367.2 | 15983 | 110 |
| 120 | -74.5 | 19 | .0 | 364.4 | 15526 | -73.5 | 18 | .0 | 366.2 | 15541 | -73.4 | 20 | .0 | 366.4 | 15503 | -74.1 | 25 | .0 | 365.1 | 15480 | 120 |
| 130 | -73.2 | 19 | .0 | 358.4 | 15060 | -72.5 | 18 | .0 | 359.6 | 15071 | -72.5 | 20 | .0 | 359.7 | 15033 | -71.2 | 25 | .0 | 362.0 | 15010 | 130 |
| 140 | -70.6 | 18 | .0 | 355.4 | 14623 | -70.7 | 18 | .0 | 355.2 | 14634 | -71.9 | 19 | .0 | 353.2 | 14597 | -69.9 | 26 | .0 | 356.7 | 14570 | 140 |
| 150 | -68.2 | 18 | .0 | 352.6 | 14212 | -67.8 | 18 | .0 | 353.3 | 14222 | -68.8 | 19 | .0 | 351.6 | 14187 | -68.0 | 26 | .0 | 353.0 | 14158 | 150 |
| 160 | -65.9 | 18 | .0 | 350.1 | 13822 | -64.8 | 18 | .0 | 352.0 | 13831 | -65.7 | 19 | .0 | 350.5 | 13798 | -65.1 | 26 | .0 | 351.5 | 13768 | 160 |
| 170 | -62.7 | 18 | .0 | 349.4 | 13451 | -61.9 | 18 | .0 | 350.7 | 13459 | -62.7 | 20 | .0 | 349.4 | 13427 | -62.4 | 26 | .0 | 350.0 | 13396 | 170 |
| 180 | -59.7 | 17 | .0 | 348.7 | 13096 | -59.3 | 18 | .0 | 349.3 | 13103 | -59.9 | 20 | .0 | 348.3 | 13073 | -59.8 | 26 | .0 | 348.5 | 13041 | 180 |
| 190 | -56.8 | 17 | .0 | 347.9 | 12756 | -56.8 | 18 | .0 | 347.9 | 12762 | -57.3 | 20 | .0 | 347.2 | 12733 | -57.1 | 25 | .0 | 347.6 | 12701 | 190 |
| 200 | -54.1 | 17 | .0 | 347.1 | 12429 | -54.5 | 18 | .0 | 346.6 | 12435 | -54.6 | 20 | .0 | 346.4 | 12407 | -54.4 | 25 | .0 | 346.8 | 12374 | 200 |
| 225 | -47.9 | 16 | .0 | 345.2 | 11663 | -47.9 | 17 | .0 | 345.3 | 11670 | -47.7 | 19 | .0 | 345.6 | 11641 | -48.3 | 23 | .0 | 344.7 | 11609 | 225 |
| 250 | -42.2 | 16 | .1 | 343.7 | 10960 | -41.8 | 16 | .1 | 344.2 | 10966 | -41.6 | 18 | .1 | 344.6 | 10936 | -42.8 | 22 | .1 | 342.7 | 10907 | 250 |
| 275 | -36.3 | 15 | .1 | 343.0 | 10307 | -36.8 | 16 | .1 | 342.3 | 10313 | -36.0 | 17 | .1 | 343.5 | 10282 | -37.4 | 20 | .1 | 341.5 | 10257 | 275 |
| 300 | -31.0 | 15 | .1 | 342.3 | 9696 | -31.0 | 15 | .1 | 342.3 | 9703 | -30.9 | 16 | .2 | 342.5 | 9671 | -32.1 | 18 | .2 | 340.8 | 9649 | 300 |
| 325 | -26.1 | 14 | .2 | 341.5 | 9123 | -25.9 | 15 | .2 | 341.8 | 9130 | -26.2 | 15 | .2 | 341.4 | 9098 | -27.3 | 17 | .2 | 340.0 | 9079 | 325 |
| 350 | -21.5 | 14 | .3 | 340.8 | 8582 | -21.6 | 14 | .3 | 340.7 | 8588 | -21.9 | 14 | .3 | 340.3 | 8557 | -22.7 | 15 | .3 | 339.2 | 8540 | 350 |
| 375 | -17.8 | 14 | .3 | 339.4 | 8069 | -18.0 | 13 | .3 | 339.0 | 8076 | -18.0 | 14 | .3 | 339.2 | 8045 | -18.5 | 14 | .3 | 338.4 | 8030 | 375 |
| 400 | -14.3 | 13 | .4 | 338.0 | 7583 | -14.7 | 13 | .4 | 337.4 | 7591 | -14.5 | 14 | .4 | 337.8 | 7560 | -16.1 | 28 | .8 | 336.9 | 7546 | 400 |
| 425 | -12.7 | 14 | .5 | 334.4 | 7122 | -11.3 | 13 | .5 | 336.4 | 7129 | -11.9 | 16 | .6 | 335.8 | 7098 | -14.4 | 17 | .5 | 332.4 | 7087 | 425 |
| 450 | -9.5 | 16 | .7 | 333.8 | 6684 | -9.5 | 15 | .6 | 333.7 | 6690 | -9.5 | 18 | .7 | 334.0 | 6659 | -11.8 | 22 | .8 | 331.2 | 6652 | 450 |
| 475 | -7.8 | 19 | .8 | 331.4 | 6265 | -6.6 | 17 | .8 | 332.8 | 6269 | -7.2 | 20 | .9 | 332.3 | 6239 | -9.2 | 27 | 1.1 | 330.5 | 6236 | 475 |
| 500 | -6.0 | 22 | 1.1 | 329.6 | 5865 | -4.8 | 19 | 1.0 | 330.7 | 5867 | -5.1 | 21 | 1.1 | 330.8 | 5838 | -6.7 | 31 | 1.4 | 329.9 | 5837 | 500 |
| 525 | -3.3 | 25 | 1.4 | 329.4 | 5481 | -2.0 | 20 | 1.3 | 330.5 | 5482 | -3.0 | 23 | 1.3 | 329.5 | 5453 | -4.4 | 34 | 1.8 | 329.2 | 5454 | 525 |
| 550 | -1.2 | 27 | 1.7 | 328.6 | 5111 | -.2 | 24 | 1.6 | 329.5 | 5111 | -1.1 | 24 | 1.6 | 328.3 | 5083 | -2.2 | 36 | 2.1 | 328.7 | 5086 | 550 |
| 575 | .8 | 30 | 2.1 | 327.9 | 4756 | 1.6 | 27 | 2.0 | 328.7 | 4754 | .8 | 30 | 2.1 | 328.0 | 4728 | -.1 | 38 | 2.5 | 328.3 | 4732 | 575 |
| 600 | 2.4 | 36 | 2.7 | 327.9 | 4413 | 3.2 | 35 | 2.8 | 329.0 | 4410 | 2.5 | 38 | 2.9 | 328.5 | 4385 | 1.9 | 40 | 2.9 | 328.1 | 4389 | 600 |
| 625 | 4.0 | 43 | 3.5 | 328.5 | 4082 | 4.7 | 42 | 3.6 | 329.5 | 4078 | 4.4 | 41 | 3.5 | 328.8 | 4053 | 3.9 | 42 | 3.4 | 327.9 | 4059 | 625 |
| 650 | 6.4 | 40 | 3.7 | 328.3 | 3761 | 6.6 | 43 | 4.1 | 329.6 | 3757 | 6.5 | 42 | 3.9 | 329.1 | 3733 | 5.8 | 44 | 3.9 | 328.0 | 3738 | 650 |
| 675 | 8.7 | 38 | 3.9 | 328.1 | 3450 | 9.1 | 38 | 4.1 | 329.0 | 3446 | 8.6 | 43 | 4.4 | 329.4 | 3422 | 7.5 | 46 | 4.4 | 328.1 | 3428 | 675 |
| 700 | 10.3 | 42 | 4.7 | 328.9 | 3148 | 11.2 | 38 | 4.5 | 329.3 | 3143 | 10.5 | 44 | 5.0 | 329.9 | 3120 | 9.2 | 50 | 5.2 | 328.9 | 3128 | 700 |
| 725 | 10.8 | 56 | 6.3 | 330.8 | 2856 | 12.4 | 50 | 6.3 | 332.7 | 2849 | 11.0 | 56 | 6.4 | 331.2 | 2827 | 10.7 | 58 | 6.5 | 331.1 | 2836 | 725 |
| 750 | 11.5 | 66 | 7.5 | 331.8 | 2572 | 11.8 | 67 | 7.7 | 332.9 | 2565 | 11.0 | 69 | 7.6 | 331.5 | 2543 | 11.2 | 75 | 8.3 | 333.8 | 2552 | 750 |
| 775 | 12.1 | 76 | 8.7 | 332.8 | 2297 | 13.2 | 71 | 8.8 | 334.3 | 2289 | 13.2 | 54 | 6.6 | 328.2 | 2268 | 13.2 | 54 | 6.6 | 328.1 | 2277 | 775 |
| 800 | 13.9 | 60 | 7.5 | 328.3 | 2030 | 15.1 | 63 | 8.5 | 332.7 | 2021 | 15.8 | 39 | 5.5 | 325.0 | 2000 | 14.9 | 49 | 6.6 | 327.0 | 2009 | 800 |
| 825 | 15.4 | 57 | 7.6 | 327.7 | 1770 | 16.9 | 55 | 8.1 | 330.7 | 1759 | 17.6 | 33 | 5.1 | 323.1 | 1738 | 16.4 | 49 | 6.9 | 326.9 | 1748 | 825 |
| 850 | 16.9 | 60 | 8.6 | 329.3 | 1515 | 18.6 | 48 | 7.7 | 328.7 | 1503 | 18.2 | 46 | 7.1 | 326.7 | 1482 | 17.7 | 53 | 7.9 | 328.2 | 1493 | 850 |
| 875 | 18.4 | 63 | 9.6 | 331.1 | 1267 | 19.1 | 57 | 9.1 | 330.5 | 1254 | 18.2 | 69 | 10.4 | 333.1 | 1234 | 17.4 | 82 | 11.8 | 335.8 | 1245 | 875 |
| 900 | 19.8 | 66 | 10.7 | 333.0 | 1024 | 20.4 | 68 | 11.5 | 336.1 | 1011 | 19.8 | 69 | 11.3 | 334.8 | 991 | 18.5 | 92 | 13.8 | 339.8 | 1003 | 900 |
| 925 | 21.2 | 69 | 11.8 | 335.1 | 787 | 21.7 | 79 | 14.1 | 342.1 | 773 | 21.5 | 69 | 12.1 | 336.3 | 754 | 20.2 | 91 | 14.9 | 342.3 | 766 | 925 |
| 950 | 23.4 | 72 | 13.8 | 340.6 | 555 | 23.5 | 88 | 17.1 | 349.9 | 540 | 23.1 | 68 | 12.9 | 337.8 | 521 | 22.1 | 88 | 15.8 | 344.4 | 534 | 950 |
| 975 | 25.7 | 75 | 16.2 | 347.4 | 326 | 25.3 | 79 | 16.5 | 347.9 | 311 | 24.7 | 68 | 13.8 | 339.5 | 293 | 24.3 | 80 | 15.8 | 344.8 | 306 | 975 |
| 1000 | 28.0 | 78 | 18.8 | 355.0 | 101 | 27.5 | 74 | 17.3 | 350.3 | 87 | 26.8 | 67 | 15.1 | 343.1 | 70 | 26.5 | 71 | 15.7 | 344.5 | 83 | 1000 |
| SFC. | 29.0 | 79 | 20.1 | 358.7 | 0 | 28.6 | 75 | 18.6 | 354.3 | 0 | 27.4 | 67 | 15.5 | 344.2 | 0 | 27.3 | 68 | 15.6 | 344.2 | 0 | SFC. |
| | SURFACE PRESSURE 1011.4 | | | | | SURFACE PRESSURE 1009.8 | | | | | SURFACE PRESSURE 1007.9 | | | | | SURFACE PRESSURE 1009.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — PALMYRA ISLAND

| | 4/14 1115 GMT | | | | | 4/14 1814 GMT | | | | | 4/14 2344 GMT | | | | | 4/15 6 7 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -64.7 | 0 | 0.0 | 466.0 | 19467 | -63.5 | 0 | 0.0 | 468.8 | 19513 | -62.7 | 0 | 0.0 | 470.6 | 19577 | -63.9 | 30 | .0 | 468.1 | 19560 | 60 |
| 70 | -74.2 | 24 | .0 | 425.7 | 18544 | -71.4 | 0 | 0.0 | 431.7 | 18585 | -65.8 | 0 | 0.0 | 443.7 | 18635 | -68.5 | 30 | .0 | 437.9 | 18620 | 70 |
| 80 | -78.0 | 24 | .0 | 402.0 | 17773 | -76.9 | 0 | 0.0 | 404.2 | 17809 | -76.6 | 0 | 0.0 | 404.8 | 17845 | -79.1 | 31 | .0 | 399.6 | 17840 | 80 |
| 90 | -81.3 | 24 | .0 | 382.1 | 17106 | -78.7 | 20 | .0 | 387.1 | 17134 | -77.7 | 18 | .0 | 389.1 | 17169 | -77.3 | 30 | .0 | 389.9 | 17168 | 90 |
| 100 | -82.2 | 25 | .0 | 368.9 | 16516 | -81.5 | 20 | .0 | 370.3 | 16536 | -79.1 | 18 | .0 | 374.9 | 16568 | -80.0 | 31 | .0 | 373.2 | 16566 | 100 |
| 110 | -79.2 | 24 | .0 | 364.7 | 15979 | -79.7 | 20 | .0 | 363.6 | 15998 | -79.3 | 18 | .0 | 364.5 | 16027 | -81.1 | 31 | .0 | 361.1 | 16030 | 110 |
| 120 | -76.4 | 24 | .0 | 360.8 | 15481 | -77.7 | 20 | .0 | 358.5 | 15503 | -77.0 | 18 | .0 | 359.7 | 15530 | -77.3 | 31 | .0 | 359.2 | 15535 | 120 |
| 130 | -73.9 | 23 | .0 | 357.2 | 15017 | -74.7 | 20 | .0 | 355.7 | 15042 | -73.7 | 18 | .0 | 357.5 | 15067 | -73.8 | 31 | .0 | 357.3 | 15072 | 130 |
| 140 | -70.8 | 23 | .0 | 355.1 | 14582 | -72.0 | 20 | .0 | 353.1 | 14608 | -70.5 | 18 | .0 | 355.6 | 14630 | -70.6 | 31 | .0 | 355.5 | 14636 | 140 |
| 150 | -67.8 | 23 | .0 | 353.4 | 14170 | -69.4 | 20 | .0 | 350.6 | 14199 | -67.6 | 18 | .0 | 353.7 | 14218 | -67.6 | 31 | .0 | 353.7 | 14224 | 150 |
| 160 | -64.9 | 23 | .0 | 351.7 | 13779 | -66.0 | 20 | .0 | 349.9 | 13811 | -64.8 | 18 | .0 | 351.9 | 13827 | -64.8 | 31 | .0 | 352.0 | 13832 | 160 |
| 170 | -62.3 | 24 | .0 | 350.1 | 13407 | -62.8 | 20 | .0 | 349.3 | 13440 | -61.9 | 18 | .0 | 350.7 | 13454 | -62.1 | 31 | .0 | 350.4 | 13460 | 170 |
| 180 | -59.7 | 24 | .0 | 348.6 | 13052 | -59.7 | 19 | .0 | 348.7 | 13085 | -59.2 | 19 | .0 | 349.4 | 13099 | -59.4 | 31 | .0 | 349.2 | 13105 | 180 |
| 190 | -57.4 | 24 | .0 | 347.1 | 12712 | -56.7 | 19 | .0 | 348.1 | 12745 | -56.6 | 19 | .0 | 348.2 | 12758 | -56.5 | 31 | .0 | 348.5 | 12764 | 190 |
| 200 | -55.1 | 24 | .0 | 345.6 | 12386 | -54.0 | 18 | .0 | 347.4 | 12418 | -53.8 | 19 | .0 | 347.7 | 12430 | -53.8 | 31 | .0 | 347.8 | 12437 | 200 |
| 225 | -48.7 | 21 | .0 | 344.1 | 11623 | -47.7 | 17 | .0 | 345.6 | 11651 | -47.1 | 19 | .0 | 346.6 | 11662 | -47.5 | 31 | .1 | 346.0 | 11669 | 225 |
| 250 | -42.5 | 18 | .1 | 343.1 | 10921 | -42.5 | 19 | .1 | 343.2 | 10947 | -41.1 | 18 | .1 | 345.4 | 10955 | -41.5 | 43 | .2 | 345.1 | 10964 | 250 |
| 275 | -37.0 | 15 | .1 | 342.0 | 10270 | -37.2 | 19 | .1 | 341.8 | 10296 | -36.6 | 17 | .1 | 342.6 | 10300 | -36.3 | 50 | .3 | 343.9 | 10310 | 275 |
| 300 | -31.9 | 13 | .1 | 340.9 | 9661 | -31.7 | 16 | .1 | 341.4 | 9688 | -31.6 | 15 | .1 | 341.3 | 9692 | -31.9 | 25 | .2 | 341.3 | 9700 | 300 |
| 325 | -27.4 | 15 | .2 | 339.6 | 9091 | -26.6 | 14 | .2 | 340.8 | 9116 | -26.7 | 14 | .2 | 340.6 | 9120 | -27.2 | 21 | .3 | 340.2 | 9129 | 325 |
| 350 | -23.3 | 16 | .3 | 338.5 | 8553 | -21.9 | 12 | .2 | 340.2 | 8576 | -22.3 | 13 | .2 | 339.6 | 8580 | -22.9 | 18 | .3 | 339.2 | 8591 | 350 |
| 375 | -19.4 | 18 | .4 | 337.4 | 8044 | -17.8 | 11 | .3 | 339.2 | 8064 | -18.3 | 13 | .3 | 338.7 | 8069 | -18.9 | 15 | .4 | 338.0 | 8081 | 375 |
| 400 | -15.8 | 19 | .5 | 336.5 | 7561 | -14.6 | 12 | .4 | 337.5 | 7578 | -14.9 | 15 | .4 | 337.4 | 7584 | -16.1 | 70 | 1.9 | 340.8 | 7597 | 400 |
| 425 | -13.3 | 49 | 1.6 | 337.6 | 7101 | -11.9 | 14 | .5 | 335.6 | 7116 | -11.8 | 16 | .6 | 336.1 | 7123 | -12.6 | 37 | 1.3 | 337.4 | 7137 | 425 |
| 450 | -11.1 | 19 | .7 | 331.8 | 6664 | -11.0 | 17 | .6 | 331.7 | 6678 | -8.8 | 17 | .8 | 335.0 | 6683 | -10.8 | 56 | 2.1 | 337.0 | 6700 | 450 |
| 475 | -7.9 | 16 | .7 | 330.9 | 6246 | -8.8 | 24 | 1.0 | 330.7 | 6261 | -6.7 | 20 | 1.0 | 333.3 | 6262 | -7.5 | 19 | .8 | 331.8 | 6281 | 475 |
| 500 | -6.7 | 24 | 1.1 | 328.8 | 5848 | -6.7 | 31 | 1.5 | 330.0 | 5862 | -5.6 | 25 | 1.3 | 330.8 | 5860 | -4.8 | 17 | .9 | 330.5 | 5880 | 500 |
| 525 | -4.4 | 31 | 1.6 | 328.8 | 5465 | -4.1 | 19 | 1.0 | 327.1 | 5479 | -4.1 | 31 | 1.7 | 329.2 | 5477 | -2.4 | 19 | 1.1 | 329.7 | 5494 | 525 |
| 550 | -1.8 | 31 | 1.9 | 328.4 | 5097 | -1.5 | 17 | 1.1 | 326.1 | 5110 | -.8 | 18 | 1.2 | 327.2 | 5107 | -.8 | 42 | 2.7 | 332.4 | 5124 | 550 |
| 575 | 1.0 | 22 | 1.6 | 326.6 | 4741 | .4 | 23 | 1.6 | 325.9 | 4755 | .8 | 20 | 1.4 | 326.0 | 4752 | 1.4 | 38 | 2.8 | 331.0 | 4768 | 575 |
| 600 | 2.7 | 27 | 2.1 | 326.3 | 4398 | 2.0 | 32 | 2.3 | 326.2 | 4413 | 2.4 | 23 | 1.7 | 324.8 | 4409 | 3.6 | 35 | 2.8 | 329.7 | 4423 | 600 |
| 625 | 3.6 | 45 | 3.5 | 328.1 | 4067 | 4.0 | 36 | 2.9 | 326.7 | 4082 | 4.7 | 28 | 2.4 | 325.9 | 4077 | 5.5 | 42 | 3.8 | 331.1 | 4091 | 625 |
| 650 | 6.0 | 66 | 6.0 | 334.5 | 3747 | 6.5 | 36 | 3.3 | 327.1 | 3762 | 7.0 | 33 | 3.2 | 327.2 | 3756 | 7.4 | 49 | 4.8 | 332.9 | 3769 | 650 |
| 675 | 7.6 | 63 | 6.1 | 333.1 | 3437 | 8.8 | 36 | 3.8 | 327.7 | 3451 | 9.1 | 37 | 4.0 | 328.8 | 3445 | 9.1 | 68 | 7.3 | 338.4 | 3456 | 675 |
| 700 | 8.7 | 72 | 7.3 | 334.4 | 3136 | 9.7 | 55 | 5.9 | 331.8 | 3149 | 10.7 | 46 | 5.3 | 331.2 | 3142 | 10.3 | 66 | 7.5 | 336.9 | 3154 | 700 |
| 725 | 9.5 | 81 | 8.3 | 334.9 | 2844 | 9.9 | 73 | 7.7 | 333.8 | 2857 | 10.9 | 54 | 6.2 | 330.5 | 2849 | 11.4 | 77 | 9.1 | 339.4 | 2861 | 725 |
| 750 | 10.7 | 73 | 7.9 | 331.9 | 2562 | 11.4 | 53 | 5.9 | 327.3 | 2574 | 12.2 | 44 | 5.2 | 326.0 | 2566 | 12.6 | 57 | 6.9 | 331.5 | 2576 | 750 |
| 775 | 12.9 | 51 | 6.1 | 326.4 | 2287 | 13.6 | 39 | 4.9 | 323.5 | 2299 | 14.5 | 30 | 4.0 | 322.0 | 2290 | 13.6 | 48 | 6.1 | 327.1 | 2300 | 775 |
| 800 | 14.9 | 47 | 6.2 | 325.9 | 2019 | 15.3 | 39 | 5.3 | 323.7 | 2031 | 16.3 | 31 | 4.6 | 322.8 | 2021 | 14.3 | 51 | 6.5 | 326.1 | 2032 | 800 |
| 825 | 16.7 | 45 | 6.6 | 326.2 | 1758 | 16.9 | 42 | 6.1 | 325.2 | 1769 | 18.1 | 33 | 5.2 | 323.8 | 1759 | 15.2 | 55 | 7.2 | 326.2 | 1772 | 825 |
| 850 | 17.4 | 58 | 8.6 | 330.0 | 1503 | 18.4 | 45 | 7.1 | 326.8 | 1514 | 19.2 | 38 | 6.3 | 325.6 | 1503 | 17.4 | 69 | 10.3 | 334.5 | 1517 | 850 |
| 875 | 17.8 | 75 | 11.1 | 334.4 | 1254 | 19.9 | 48 | 8.1 | 328.7 | 1265 | 20.2 | 45 | 7.6 | 327.6 | 1253 | 19.3 | 76 | 12.3 | 339.7 | 1268 | 875 |
| 900 | 19.3 | 78 | 12.2 | 336.6 | 1012 | 21.3 | 52 | 9.3 | 331.0 | 1021 | 21.1 | 52 | 9.2 | 330.3 | 1009 | 20.8 | 78 | 13.6 | 342.3 | 1024 | 900 |
| 925 | 21.2 | 76 | 13.1 | 338.7 | 775 | 21.9 | 64 | 11.6 | 335.4 | 783 | 22.0 | 62 | 11.3 | 334.5 | 772 | 22.4 | 80 | 14.9 | 345.1 | 786 | 925 |
| 950 | 22.2 | 90 | 16.2 | 345.7 | 543 | 22.6 | 76 | 13.9 | 339.9 | 550 | 23.0 | 70 | 13.1 | 338.3 | 539 | 23.9 | 82 | 16.3 | 348.0 | 552 | 950 |
| 975 | 23.9 | 83 | 16.1 | 344.8 | 315 | 24.7 | 75 | 15.2 | 343.4 | 323 | 25.2 | 63 | 13.2 | 338.5 | 311 | 25.5 | 79 | 16.8 | 349.0 | 323 | 975 |
| 1000 | 25.7 | 68 | 14.3 | 339.8 | 92 | 26.8 | 73 | 16.4 | 347.0 | 99 | 28.2 | 63 | 15.3 | 345.6 | 87 | 27.5 | 66 | 15.6 | 345.4 | 99 | 1000 |
| SFC. | 26.5 | 62 | 13.5 | 337.4 | 0 | 27.8 | 72 | 17.0 | 348.6 | 0 | 30.2 | 69 | 18.8 | 356.9 | 0 | 28.4 | 61 | 14.9 | 343.5 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1010.5 | SURFACE PRESSURE | | | | 1011.2 | SURFACE PRESSURE | | | | 1009.8 | SURFACE PRESSURE | | | | 1011.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/15 1147 GMT T | RH | W | EPT | H | 4/15 1717 GMT T | RH | W | EPT | H | 4/15 1915 GMT T | RH | W | EPT | H | 4/15 2240 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.8 | 0 | 0.0 | 468.0 | 19486 | -62.1 | 0 | 0.0 | 471.9 | 19556 | -62.2 | 0 | 0.0 | 471.7 | 19579 | -63.4 | 0 | 0.0 | 468.9 | 19571 | 60 |
| 70 | -65.9 | 0 | 0.0 | 443.5 | 18543 | -66.7 | 0 | 0.0 | 441.7 | 18614 | -68.4 | 0 | 0.0 | 438.0 | 18641 | -66.9 | 0 | 0.0 | 441.2 | 18630 | 70 |
| 80 | -76.9 | 0 | 0.0 | 404.2 | 17754 | -76.8 | 0 | 0.0 | 404.4 | 17830 | -76.6 | 0 | 0.0 | 404.7 | 17853 | -77.2 | 0 | 0.0 | 403.6 | 17844 | 80 |
| 90 | -79.6 | 33 | .0 | 385.5 | 17083 | -77.7 | 0 | 0.0 | 389.3 | 17154 | -77.7 | 0 | 0.0 | 389.2 | 17177 | -78.3 | 22 | .0 | 388.1 | 17170 | 90 |
| 100 | -78.9 | 33 | .0 | 375.3 | 16485 | -76.8 | 24 | .0 | 379.4 | 16550 | -76.3 | 21 | .0 | 380.3 | 16572 | -77.1 | 22 | .0 | 378.8 | 16567 | 100 |
| 110 | -82.1 | 34 | .0 | 359.2 | 15947 | -77.0 | 24 | .0 | 368.9 | 16002 | -79.3 | 21 | .0 | 364.5 | 16027 | -79.4 | 22 | .0 | 364.2 | 16025 | 110 |
| 120 | -78.9 | 35 | .0 | 356.2 | 15456 | -77.1 | 24 | .0 | 359.5 | 15502 | -78.0 | 22 | .0 | 358.0 | 15531 | -77.3 | 22 | .0 | 359.2 | 15529 | 120 |
| 130 | -76.0 | 35 | .0 | 353.5 | 14997 | -73.7 | 24 | .0 | 357.5 | 15039 | -74.4 | 22 | .0 | 356.3 | 15070 | -73.9 | 22 | .0 | 357.2 | 15066 | 130 |
| 140 | -73.1 | 36 | .0 | 351.0 | 14566 | -70.6 | 23 | .0 | 355.5 | 14603 | -70.5 | 22 | .0 | 355.6 | 14635 | -70.4 | 21 | .0 | 355.8 | 14630 | 140 |
| 150 | -69.6 | 35 | .0 | 350.3 | 14159 | -67.7 | 23 | .0 | 353.5 | 14191 | -67.0 | 23 | .0 | 354.8 | 14222 | -67.2 | 21 | .0 | 354.4 | 14217 | 150 |
| 160 | -66.3 | 35 | .0 | 349.5 | 13771 | -65.0 | 23 | .0 | 351.7 | 13800 | -63.6 | 23 | .0 | 354.0 | 13829 | -64.1 | 20 | .0 | 353.1 | 13825 | 160 |
| 170 | -63.2 | 34 | .0 | 348.7 | 13401 | -62.4 | 23 | .0 | 349.9 | 13428 | -61.5 | 23 | .0 | 351.4 | 13454 | -61.3 | 20 | .0 | 351.7 | 13451 | 170 |
| 180 | -60.2 | 34 | .0 | 347.8 | 13047 | -60.0 | 22 | .0 | 348.1 | 13073 | -60.5 | 24 | .0 | 347.3 | 13099 | -60.0 | 24 | .0 | 348.2 | 13095 | 180 |
| 190 | -57.4 | 33 | .0 | 347.0 | 12707 | -57.7 | 22 | .0 | 346.5 | 12734 | -58.6 | 25 | .0 | 345.1 | 12762 | -58.1 | 27 | .0 | 345.9 | 12757 | 190 |
| 200 | -54.8 | 33 | .0 | 346.2 | 12381 | -55.4 | 22 | .0 | 345.2 | 12409 | -55.2 | 25 | .0 | 345.6 | 12437 | -55.0 | 28 | .0 | 345.9 | 12431 | 200 |
| 225 | -48.4 | 31 | .1 | 344.6 | 11617 | -48.3 | 27 | .1 | 344.8 | 11645 | -48.0 | 28 | .1 | 345.3 | 11672 | -47.8 | 29 | .1 | 345.6 | 11666 | 225 |
| 250 | -42.7 | 29 | .1 | 343.1 | 10915 | -41.9 | 31 | .1 | 344.3 | 10941 | -41.6 | 30 | .1 | 344.7 | 10968 | -41.3 | 31 | .1 | 345.2 | 10961 | 250 |
| 275 | -37.5 | 28 | .2 | 341.6 | 10264 | -36.0 | 47 | .3 | 344.3 | 10287 | -36.0 | 22 | .1 | 343.7 | 10314 | -35.9 | 36 | .2 | 344.1 | 10306 | 275 |
| 300 | -32.7 | 26 | .2 | 340.2 | 9658 | -31.1 | 47 | .4 | 343.3 | 9677 | -30.9 | 16 | .2 | 342.5 | 9703 | -31.2 | 42 | .4 | 343.1 | 9696 | 300 |
| 325 | -28.1 | 23 | .3 | 339.0 | 9088 | -27.2 | 26 | .3 | 340.6 | 9105 | -27.2 | 20 | .2 | 340.3 | 9131 | -26.9 | 27 | .3 | 341.0 | 9123 | 325 |
| 350 | -23.9 | 20 | .3 | 337.8 | 8552 | -22.3 | 20 | .4 | 340.2 | 8564 | -22.2 | 13 | .2 | 339.9 | 8592 | -23.0 | 19 | .3 | 339.1 | 8585 | 350 |
| 375 | -19.9 | 17 | .4 | 336.6 | 8044 | -19.6 | 20 | .4 | 337.3 | 8056 | -18.1 | 12 | .3 | 338.7 | 8081 | -19.3 | 17 | .4 | 337.6 | 8075 | 375 |
| 400 | -16.2 | 14 | .4 | 335.4 | 7562 | -15.8 | 31 | .9 | 337.7 | 7573 | -14.4 | 10 | .3 | 337.5 | 7595 | -15.8 | 15 | .4 | 336.1 | 7592 | 400 |
| 425 | -14.4 | 39 | 1.2 | 334.6 | 7104 | -13.7 | 29 | .9 | 334.7 | 7114 | -13.0 | 32 | 1.0 | 336.1 | 7134 | -14.0 | 37 | 1.1 | 335.1 | 7134 | 425 |
| 450 | -11.7 | 52 | 1.8 | 334.9 | 6668 | -10.9 | 52 | 1.9 | 336.2 | 6677 | -11.1 | 47 | 1.7 | 335.3 | 6696 | -11.2 | 55 | 2.0 | 336.0 | 6697 | 450 |
| 475 | -8.3 | 31 | 1.3 | 332.3 | 6251 | -9.0 | 81 | 3.3 | 337.9 | 6259 | -8.7 | 60 | 2.5 | 335.7 | 6279 | -8.5 | 57 | 2.4 | 335.8 | 6280 | 475 |
| 500 | -6.9 | 78 | 3.5 | 336.4 | 5852 | -7.1 | 63 | 2.8 | 334.0 | 5860 | -6.1 | 53 | 2.5 | 334.3 | 5879 | -6.2 | 53 | 2.5 | 334.1 | 5880 | 500 |
| 525 | -4.2 | 17 | .9 | 326.7 | 5469 | -5.0 | 42 | 2.1 | 329.7 | 5478 | -4.4 | 27 | 1.4 | 328.1 | 5496 | -4.3 | 40 | 2.1 | 330.3 | 5497 | 525 |
| 550 | -2.0 | 20 | 1.2 | 325.9 | 5101 | -2.8 | 37 | 2.1 | 327.8 | 5111 | -1.7 | 18 | 1.1 | 326.0 | 5128 | -1.8 | 23 | 1.4 | 326.9 | 5128 | 550 |
| 575 | .1 | 23 | 1.5 | 325.3 | 4746 | -.7 | 58 | 3.6 | 331.0 | 4757 | .9 | 40 | 2.8 | 330.4 | 4773 | .9 | 28 | 2.0 | 327.9 | 4773 | 575 |
| 600 | 2.1 | 25 | 1.9 | 324.8 | 4404 | 1.7 | 46 | 3.3 | 328.9 | 4415 | 2.4 | 34 | 2.6 | 327.6 | 4430 | 2.6 | 35 | 2.7 | 328.1 | 4430 | 600 |
| 625 | 4.0 | 28 | 2.2 | 324.5 | 4073 | 3.3 | 53 | 4.1 | 329.2 | 4085 | 3.9 | 42 | 3.4 | 328.0 | 4099 | 3.5 | 41 | 3.2 | 326.8 | 4099 | 625 |
| 650 | 5.8 | 30 | 2.7 | 324.3 | 3754 | 4.8 | 59 | 4.9 | 329.8 | 3766 | 5.4 | 50 | 4.3 | 328.8 | 3779 | 5.7 | 39 | 3.4 | 326.6 | 3779 | 650 |
| 675 | 7.0 | 52 | 4.8 | 328.7 | 3444 | 6.8 | 60 | 5.5 | 330.4 | 3457 | 7.4 | 51 | 4.8 | 329.1 | 3469 | 7.9 | 37 | 3.7 | 326.4 | 3469 | 675 |
| 700 | 8.1 | 74 | 7.2 | 333.4 | 3144 | 8.7 | 63 | 6.4 | 332.0 | 3156 | 9.3 | 51 | 5.4 | 329.5 | 3168 | 9.9 | 41 | 4.4 | 327.5 | 3168 | 700 |
| 725 | 9.4 | 86 | 8.8 | 336.1 | 2853 | 10.2 | 69 | 7.5 | 333.5 | 2865 | 10.0 | 67 | 7.1 | 332.1 | 2877 | 11.7 | 46 | 5.5 | 329.4 | 2875 | 725 |
| 750 | 11.2 | 68 | 7.6 | 331.7 | 2570 | 12.1 | 65 | 7.7 | 333.2 | 2581 | 11.7 | 53 | 6.2 | 328.2 | 2594 | 13.5 | 51 | 6.6 | 331.6 | 2591 | 750 |
| 775 | 13.1 | 51 | 6.2 | 326.8 | 2295 | 13.2 | 72 | 8.8 | 334.5 | 2305 | 13.4 | 41 | 5.0 | 323.9 | 2318 | 15.1 | 51 | 7.0 | 331.6 | 2313 | 775 |
| 800 | 14.5 | 53 | 6.8 | 327.3 | 2027 | 15.2 | 47 | 6.4 | 326.8 | 2037 | 15.6 | 40 | 5.6 | 325.0 | 2050 | 16.1 | 39 | 5.5 | 325.4 | 2044 | 800 |
| 825 | 15.9 | 54 | 7.5 | 327.8 | 1766 | 16.7 | 52 | 7.5 | 328.7 | 1775 | 17.7 | 41 | 6.3 | 326.6 | 1788 | 15.2 | 54 | 7.1 | 325.9 | 1782 | 825 |
| 850 | 16.5 | 73 | 10.2 | 333.2 | 1512 | 17.0 | 69 | 10.0 | 333.2 | 1520 | 16.7 | 72 | 10.2 | 333.6 | 1533 | 16.5 | 61 | 8.5 | 328.6 | 1529 | 850 |
| 875 | 17.6 | 85 | 12.4 | 337.9 | 1264 | 18.3 | 73 | 11.1 | 335.2 | 1272 | 18.4 | 82 | 12.5 | 339.2 | 1284 | 18.3 | 61 | 9.3 | 330.0 | 1281 | 875 |
| 900 | 19.9 | 77 | 12.7 | 338.8 | 1021 | 20.1 | 70 | 11.6 | 336.0 | 1029 | 20.0 | 75 | 12.4 | 337.8 | 1041 | 20.2 | 57 | 9.4 | 330.0 | 1038 | 900 |
| 925 | 21.3 | 84 | 14.7 | 343.3 | 783 | 21.9 | 67 | 12.1 | 336.7 | 791 | 21.6 | 69 | 12.2 | 336.7 | 804 | 22.0 | 56 | 10.2 | 331.5 | 801 | 925 |
| 950 | 22.5 | 94 | 17.3 | 349.0 | 551 | 23.1 | 77 | 14.5 | 342.2 | 559 | 22.6 | 83 | 15.3 | 343.6 | 571 | 23.3 | 70 | 13.4 | 339.5 | 568 | 950 |
| 975 | 24.4 | 81 | 16.2 | 345.8 | 323 | 24.6 | 82 | 16.6 | 347.3 | 331 | 24.8 | 76 | 15.5 | 344.4 | 343 | 25.6 | 61 | 13.1 | 338.7 | 340 | 975 |
| 1000 | 26.3 | 66 | 14.3 | 340.6 | 100 | 26.6 | 82 | 18.3 | 351.6 | 117 | 27.1 | 72 | 16.4 | 347.2 | 119 | 28.3 | 63 | 15.4 | 346.0 | 116 | 1000 |
| SFC. | 27.2 | 59 | 13.4 | 337.8 | 0 | 27.5 | 82 | 19.1 | 353.8 | 0 | 28.5 | 75 | 18.4 | 353.3 | 0 | 30.0 | 72 | 19.3 | 357.9 | 0 | SFC. |
| | SURFACE PRESSURE 1011.3 | | | | | SURFACE PRESSURE 1012.1 | | | | | SURFACE PRESSURE 1013.5 | | | | | SURFACE PRESSURE 1013.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — PALMYRA ISLAND

| P | 4/16 115 GMT T | RH | W | EPT | H | 4/16 554 GMT T | RH | W | EPT | H | 4/16 1148 GMT T | RH | W | EPT | H | 4/17 1736 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.2 | 0 | 0.0 | 467.2 | 19503 | -65.8 | 0 | 0.0 | 463.6 | 19478 | -65.5 | 0 | 0.0 | 464.3 | 19469 | -66.4 | 0 | 0.0 | 462.3 | 19508 | 60 |
| 70 | -66.7 | 0 | 0.0 | 441.8 | 18570 | -68.1 | 45 | .0 | 438.9 | 18548 | -67.9 | 0 | 0.0 | 439.2 | 18535 | -68.2 | 0 | 0.0 | 438.6 | 18579 | 70 |
| 80 | -77.3 | 20 | .0 | 403.4 | 17780 | -79.4 | 46 | .0 | 398.9 | 17755 | -71.2 | 0 | 0.0 | 415.9 | 17739 | -73.8 | 0 | 0.0 | 410.5 | 17789 | 80 |
| 90 | -77.9 | 20 | .0 | 388.8 | 17106 | -80.9 | 46 | .0 | 382.7 | 17094 | -80.2 | 0 | 0.0 | 384.3 | 17057 | -78.2 | 20 | .0 | 388.3 | 17107 | 90 |
| 100 | -78.5 | 20 | .0 | 376.1 | 16504 | -79.8 | 46 | .0 | 373.6 | 16499 | -80.4 | 0 | 0.0 | 372.4 | 16462 | -78.8 | 20 | .0 | 375.5 | 16509 | 100 |
| 110 | -78.8 | 20 | .0 | 365.4 | 15961 | -78.0 | 46 | .0 | 366.9 | 15955 | -76.9 | 0 | 0.0 | 369.0 | 15919 | -78.8 | 21 | .0 | 365.4 | 15967 | 110 |
| 120 | -78.0 | 20 | .0 | 358.0 | 15466 | -78.1 | 46 | .0 | 357.8 | 15461 | -78.5 | 0 | 0.0 | 356.9 | 15420 | -74.9 | 21 | .0 | 363.6 | 15467 | 120 |
| 130 | -74.6 | 20 | .0 | 355.8 | 15004 | -75.3 | 46 | .0 | 354.6 | 15000 | -75.5 | 0 | 0.0 | 354.3 | 14960 | -71.3 | 20 | .0 | 361.8 | 14998 | 130 |
| 140 | -71.6 | 20 | .0 | 353.8 | 14570 | -72.2 | 46 | .0 | 352.7 | 14567 | -72.6 | 0 | 0.0 | 351.9 | 14528 | -68.0 | 20 | .0 | 360.0 | 14556 | 140 |
| 150 | -68.7 | 20 | .0 | 351.8 | 14160 | -69.1 | 46 | .0 | 351.1 | 14158 | -69.9 | 0 | 0.0 | 349.7 | 14120 | -66.8 | 20 | .0 | 355.1 | 14140 | 150 |
| 160 | -65.7 | 20 | .0 | 350.5 | 13771 | -66.2 | 46 | .0 | 349.5 | 13770 | -67.4 | 0 | 0.0 | 347.5 | 13734 | -65.9 | 20 | .0 | 350.2 | 13749 | 160 |
| 170 | -62.8 | 21 | .0 | 349.2 | 13400 | -63.5 | 46 | .0 | 348.0 | 13400 | -64.8 | 0 | 0.0 | 345.9 | 13366 | -64.0 | 20 | .0 | 347.3 | 13380 | 170 |
| 180 | -60.1 | 21 | .0 | 348.0 | 13045 | -61.0 | 46 | .0 | 346.6 | 13047 | -61.8 | 0 | 0.0 | 345.2 | 13015 | -61.2 | 20 | .0 | 346.1 | 13028 | 180 |
| 190 | -57.5 | 21 | .0 | 346.8 | 12706 | -58.6 | 46 | .0 | 345.2 | 12709 | -59.0 | 0 | 0.0 | 344.4 | 12678 | -58.6 | 20 | .0 | 345.0 | 12690 | 190 |
| 200 | -55.1 | 22 | .0 | 345.6 | 12380 | -55.7 | 46 | .0 | 344.8 | 12385 | -56.3 | 0 | 0.0 | 343.6 | 12354 | -56.0 | 20 | .0 | 344.2 | 12366 | 200 |
| 225 | -48.5 | 24 | .1 | 344.4 | 11617 | -49.0 | 45 | .1 | 343.7 | 11623 | -50.1 | 0 | 0.0 | 341.7 | 11596 | -49.6 | 20 | .0 | 342.6 | 11606 | 225 |
| 250 | -42.2 | 28 | .1 | 343.8 | 10915 | -43.2 | 48 | .2 | 342.5 | 10923 | -44.0 | 0 | 0.0 | 340.7 | 10898 | -43.9 | 19 | .1 | 341.0 | 10907 | 250 |
| 275 | -36.7 | 38 | .2 | 343.0 | 10262 | -38.4 | 68 | .3 | 341.0 | 10274 | -38.0 | M | M | M | 10250 | -38.4 | 19 | .1 | 340.0 | 10260 | 275 |
| 300 | -31.7 | 48 | .4 | 342.4 | 9653 | -33.5 | 73 | .5 | 340.3 | 9670 | -32.7 | 46 | .4 | 340.7 | 9644 | -32.6 | 21 | .2 | 340.1 | 9655 | 300 |
| 325 | -26.9 | 47 | .6 | 342.0 | 9081 | -29.0 | 77 | .8 | 339.8 | 9102 | -30.0 | 71 | .7 | 338.0 | 9078 | -28.1 | 28 | .3 | 339.2 | 9085 | 325 |
| 350 | -24.4 | 41 | .6 | 338.2 | 8544 | -24.8 | 80 | 1.2 | 339.6 | 8567 | -25.2 | 63 | .9 | 338.0 | 8545 | -24.8 | 40 | .6 | 337.6 | 8549 | 350 |
| 375 | -20.7 | 29 | .6 | 336.4 | 8037 | -20.9 | 84 | 1.6 | 339.7 | 8061 | -21.3 | 65 | 1.2 | 337.8 | 8040 | -21.6 | 51 | .9 | 336.4 | 8044 | 375 |
| 400 | -17.2 | 19 | .5 | 334.4 | 7557 | -17.3 | 87 | 2.1 | 340.0 | 7581 | -17.6 | 67 | 1.6 | 337.8 | 7560 | -18.4 | 53 | 1.2 | 335.4 | 7566 | 400 |
| 425 | -14.4 | 31 | .9 | 333.8 | 7100 | -15.0 | 84 | 2.4 | 337.8 | 7124 | -15.0 | 88 | 2.5 | 338.3 | 7103 | -14.4 | 50 | 1.5 | 335.8 | 7109 | 425 |
| 450 | -11.1 | 32 | 1.2 | 333.5 | 6664 | -12.2 | 78 | 2.6 | 336.8 | 6689 | -12.7 | 45 | 1.4 | 332.3 | 6669 | -10.6 | 47 | 1.8 | 336.3 | 6673 | 450 |
| 475 | -8.5 | 39 | 1.7 | 333.2 | 6246 | -8.9 | 70 | 2.9 | 336.6 | 6273 | -9.7 | 53 | 2.0 | 332.9 | 6254 | -8.8 | 50 | 2.1 | 334.3 | 6254 | 475 |
| 500 | -6.6 | 52 | 2.4 | 333.2 | 5847 | -6.1 | 72 | 3.5 | 337.2 | 5873 | -6.9 | 63 | 2.9 | 334.2 | 5855 | -6.9 | 46 | 2.1 | 331.9 | 5856 | 500 |
| 525 | -4.6 | 25 | 1.3 | 327.5 | 5464 | -4.5 | 51 | 2.7 | 332.1 | 5489 | -4.2 | 59 | 3.1 | 333.8 | 5472 | -4.8 | 32 | 1.6 | 328.3 | 5473 | 525 |
| 550 | -2.4 | 18 | 1.1 | 325.0 | 5097 | -2.1 | 47 | 2.8 | 331.0 | 5121 | -1.6 | 39 | 2.4 | 330.3 | 5103 | -3.1 | 34 | 1.9 | 326.8 | 5106 | 550 |
| 575 | -.3 | 25 | 1.6 | 325.2 | 4743 | .4 | 45 | 3.1 | 330.7 | 4766 | .1 | 46 | 3.0 | 330.1 | 4748 | -1.4 | 52 | 3.1 | 328.6 | 4752 | 575 |
| 600 | 1.6 | 32 | 2.3 | 325.5 | 4401 | 2.7 | 44 | 3.4 | 330.3 | 4423 | .0 | 88 | 5.6 | 333.8 | 4406 | .9 | 56 | 3.8 | 329.4 | 4412 | 600 |
| 625 | 3.5 | 38 | 3.0 | 326.1 | 4071 | 4.2 | 53 | 4.4 | 331.3 | 4092 | 1.7 | 80 | 5.6 | 331.7 | 4078 | 2.1 | 69 | 4.9 | 330.4 | 4082 | 625 |
| 650 | 5.4 | 41 | 3.5 | 326.5 | 3751 | 5.7 | 62 | 5.5 | 332.6 | 3771 | 4.3 | 49 | 3.9 | 326.2 | 3760 | 4.5 | 53 | 4.3 | 327.6 | 3764 | 650 |
| 675 | 7.7 | 37 | 3.6 | 325.8 | 3442 | 8.0 | 54 | 5.4 | 331.6 | 3461 | 6.8 | 30 | 2.7 | 322.1 | 3451 | 6.2 | 53 | 4.6 | 327.2 | 3455 | 675 |
| 700 | 9.8 | 33 | 3.6 | 324.9 | 3141 | 10.2 | 47 | 5.2 | 330.3 | 3159 | 9.1 | 20 | 2.1 | 319.5 | 3151 | 7.6 | 57 | 5.4 | 327.6 | 3156 | 700 |
| 725 | 11.2 | 37 | 4.3 | 325.4 | 2848 | 12.4 | 40 | 4.9 | 328.7 | 2866 | 10.9 | 27 | 3.0 | 321.2 | 2860 | 9.5 | 53 | 5.5 | 326.8 | 2866 | 725 |
| 750 | 12.3 | 45 | 5.4 | 326.6 | 2565 | 14.0 | 40 | 5.4 | 328.6 | 2581 | 12.6 | 34 | 4.1 | 323.2 | 2577 | 11.5 | 47 | 5.4 | 325.6 | 2583 | 750 |
| 775 | 13.4 | 52 | 6.5 | 328.0 | 2289 | 15.0 | 49 | 6.8 | 330.7 | 2304 | 12.3 | 82 | 9.6 | 335.5 | 2301 | 12.7 | 56 | 6.7 | 327.7 | 2308 | 775 |
| 800 | 15.3 | 44 | 6.0 | 325.8 | 2021 | 15.9 | 58 | 8.2 | 332.9 | 2034 | 12.8 | 98 | 11.4 | 338.0 | 2034 | 13.9 | 64 | 8.0 | 330.0 | 2040 | 800 |
| 825 | 17.3 | 33 | 4.9 | 322.1 | 1759 | 16.8 | 66 | 9.7 | 335.1 | 1772 | 14.7 | 80 | 10.2 | 334.2 | 1774 | 15.1 | 72 | 9.5 | 332.4 | 1780 | 825 |
| 850 | 16.5 | 57 | 7.9 | 326.8 | 1505 | 17.9 | 72 | 10.9 | 337.1 | 1516 | 16.6 | 76 | 10.7 | 334.8 | 1519 | 16.5 | 74 | 10.4 | 333.8 | 1526 | 850 |
| 875 | 17.9 | 66 | 9.8 | 331.1 | 1257 | 19.6 | 70 | 11.5 | 337.8 | 1267 | 18.5 | 72 | 11.1 | 335.4 | 1271 | 18.2 | 71 | 10.7 | 333.9 | 1277 | 875 |
| 900 | 19.8 | 64 | 10.3 | 331.9 | 1014 | 21.3 | 68 | 12.0 | 338.6 | 1023 | 20.3 | 68 | 11.5 | 335.8 | 1028 | 19.8 | 68 | 11.0 | 334.0 | 1035 | 900 |
| 925 | 21.7 | 58 | 10.3 | 331.6 | 777 | 22.9 | 66 | 12.6 | 339.4 | 784 | 21.4 | 72 | 12.6 | 337.6 | 790 | 21.4 | 65 | 11.4 | 334.1 | 798 | 925 |
| 950 | 23.2 | 62 | 11.8 | 334.9 | 545 | 24.4 | 65 | 13.2 | 340.4 | 550 | 22.3 | 81 | 14.7 | 341.7 | 558 | 22.6 | 73 | 13.4 | 338.5 | 565 | 950 |
| 975 | 25.5 | 67 | 14.3 | 342.0 | 317 | 25.2 | 78 | 16.3 | 347.0 | 322 | 24.4 | 82 | 16.4 | 346.2 | 330 | 23.9 | 80 | 15.5 | 343.3 | 338 | 975 |
| 1000 | 28.0 | 71 | 17.0 | 350.1 | 92 | 26.6 | 71 | 15.7 | 344.7 | 98 | 26.4 | 83 | 18.2 | 351.1 | 107 | 26.2 | 79 | 17.3 | 348.4 | 115 | 1000 |
| SFC. | 29.0 | 72 | 18.3 | 353.8 | 0 | 27.2 | 68 | 15.5 | 343.6 | 0 | 27.3 | 83 | 19.1 | 353.5 | 0 | 27.4 | 79 | 18.2 | 351.2 | 0 | SFC. |
| | SURFACE PRESSURE 1010.4 | | | | | SURFACE PRESSURE 1011.1 | | | | | SURFACE PRESSURE 1012.1 | | | | | SURFACE PRESSURE 1013.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/17 1921 GMT T | RH | W | EPT | H | 4/17 23 4 GMT T | RH | W | EPT | H | 4/18 137 GMT T | RH | W | EPT | H | 4/18 543 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.8 | 0 | 0.0 | 465.9 | 19591 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.6 | 0 | 0.0 | 466.3 | 19498 | -65.1 | 0 | 0.0 | 465.2 | 19467 | 60 |
| 70 | -66.9 | 0 | 0.0 | 441.2 | 18659 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.2 | 0 | 0.0 | 436.4 | 18570 | -71.4 | 35 | .0 | 431.7 | 18543 | 70 |
| 80 | -73.6 | 18 | .0 | 410.9 | 17861 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.3 | 0 | 0.0 | 415.6 | 17777 | -76.4 | 35 | .0 | 405.2 | 17763 | 80 |
| 90 | -78.8 | 19 | .0 | 386.9 | 17182 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 26 | .0 | 394.7 | 17086 | -75.5 | 36 | .0 | 393.6 | 17083 | 90 |
| 100 | -79.4 | 19 | .0 | 374.3 | 16587 | -78.5 | 23 | .0 | 376.1 | 16526 | -79.3 | 25 | .0 | 374.5 | 16481 | -80.1 | 36 | .0 | 373.0 | 16480 | 100 |
| 110 | -77.2 | 18 | .0 | 368.4 | 16043 | -78.1 | 24 | .0 | 366.7 | 15984 | -78.6 | 25 | .0 | 365.8 | 15939 | -76.7 | 37 | .0 | 369.4 | 15937 | 110 |
| 120 | -73.7 | 18 | .0 | 365.7 | 15539 | -75.0 | 23 | .0 | 363.4 | 15483 | -75.8 | 25 | .0 | 362.0 | 15440 | -73.9 | 37 | .0 | 365.5 | 15432 | 120 |
| 130 | -70.5 | 18 | .0 | 363.3 | 15068 | -71.5 | 23 | .0 | 361.4 | 15015 | -72.3 | 26 | .0 | 360.1 | 14973 | -71.6 | 36 | .0 | 361.3 | 14963 | 130 |
| 140 | -67.5 | 18 | .0 | 360.9 | 14625 | -68.1 | 23 | .0 | 359.8 | 14574 | -69.0 | 27 | .0 | 358.2 | 14534 | -69.5 | 36 | .0 | 357.4 | 14523 | 140 |
| 150 | -66.7 | 18 | .0 | 355.2 | 14209 | -66.2 | 23 | .0 | 356.0 | 14157 | -67.3 | 27 | .0 | 354.3 | 14119 | -68.8 | 36 | .0 | 351.6 | 14110 | 150 |
| 160 | -66.0 | 18 | .0 | 350.0 | 13818 | -66.1 | 23 | .0 | 349.7 | 13767 | -66.8 | 28 | .0 | 348.6 | 13730 | -68.0 | 35 | .0 | 346.5 | 13724 | 160 |
| 170 | -64.0 | 18 | .0 | 347.2 | 13449 | -63.9 | 24 | .0 | 347.3 | 13397 | -65.2 | 28 | .0 | 345.2 | 13362 | -64.8 | 35 | .0 | 345.9 | 13357 | 170 |
| 180 | -61.1 | 17 | .0 | 346.4 | 13096 | -61.5 | 24 | .0 | 345.7 | 13045 | -62.6 | 28 | .0 | 343.9 | 13012 | -61.7 | 35 | .0 | 345.3 | 13006 | 180 |
| 190 | -58.2 | 17 | .0 | 345.6 | 12758 | -58.8 | 24 | .0 | 344.8 | 12708 | -60.1 | 28 | .0 | 342.6 | 12677 | -58.9 | 36 | .0 | 344.7 | 12669 | 190 |
| 200 | -55.6 | 17 | .0 | 344.9 | 12433 | -55.9 | 24 | .0 | 344.3 | 12384 | -57.5 | 28 | .0 | 341.9 | 12355 | -56.1 | 36 | .0 | 344.1 | 12345 | 200 |
| 225 | -49.2 | 16 | .0 | 343.2 | 11672 | -49.1 | 22 | .0 | 343.5 | 11622 | -50.3 | 30 | .1 | 341.7 | 11599 | -50.0 | 42 | .1 | 342.3 | 11585 | 225 |
| 250 | -42.7 | 17 | .1 | 342.8 | 10971 | -42.9 | 21 | .1 | 342.6 | 10922 | -43.9 | 31 | .1 | 341.2 | 10901 | -44.2 | 43 | .1 | 340.9 | 10888 | 250 |
| 275 | -36.9 | 19 | .1 | 342.3 | 10320 | -37.4 | 20 | .1 | 341.6 | 10271 | -38.1 | 32 | .2 | 340.7 | 10253 | -38.8 | 28 | .1 | 339.6 | 10241 | 275 |
| 300 | -31.5 | 20 | .2 | 341.7 | 9711 | -32.3 | 19 | .2 | 340.5 | 9664 | -32.8 | 32 | .3 | 340.2 | 9647 | -33.9 | 23 | .2 | 338.2 | 9638 | 300 |
| 325 | -27.1 | 24 | .3 | 340.6 | 9139 | -28.4 | 26 | .3 | 338.8 | 9095 | -28.3 | 22 | .3 | 338.8 | 9078 | -29.5 | 25 | .3 | 337.1 | 9072 | 325 |
| 350 | -23.4 | 30 | .5 | 339.2 | 8601 | -23.4 | 27 | .4 | 339.0 | 8558 | -24.5 | 41 | .6 | 338.1 | 8543 | -25.2 | 29 | .4 | 336.4 | 8537 | 350 |
| 375 | -19.9 | 36 | .8 | 338.1 | 8092 | -20.0 | 31 | .6 | 337.5 | 8050 | -20.8 | 46 | .9 | 337.4 | 8036 | -22.3 | 48 | .8 | 335.1 | 8034 | 375 |
| 400 | -16.6 | 41 | 1.1 | 337.3 | 7610 | -16.9 | 35 | .9 | 336.3 | 7568 | -17.2 | 45 | 1.1 | 336.7 | 7556 | -18.9 | 71 | 1.5 | 335.8 | 7556 | 400 |
| 425 | -13.1 | 35 | 1.1 | 336.3 | 7152 | -13.5 | 31 | 1.0 | 335.3 | 7110 | -14.0 | 38 | 1.2 | 335.2 | 7098 | -15.9 | 74 | 1.9 | 335.3 | 7101 | 425 |
| 450 | -9.8 | 29 | 1.2 | 335.1 | 6713 | -10.3 | 28 | 1.1 | 334.2 | 6673 | -11.4 | 50 | 1.8 | 335.2 | 6662 | -13.3 | 81 | 2.5 | 334.8 | 6668 | 450 |
| 475 | -7.6 | 29 | 1.3 | 333.3 | 6294 | -8.2 | 29 | 1.3 | 332.3 | 6254 | -8.7 | 44 | 1.8 | 333.6 | 6245 | -11.2 | 95 | 3.3 | 335.0 | 6254 | 475 |
| 500 | -5.8 | 32 | 1.6 | 331.5 | 5893 | -6.1 | 30 | 1.4 | 330.6 | 5855 | -6.6 | 44 | 2.1 | 332.1 | 5846 | -7.8 | 79 | 3.4 | 334.8 | 5857 | 500 |
| 525 | -4.2 | 35 | 1.9 | 329.8 | 5510 | -4.2 | 30 | 1.6 | 329.0 | 5471 | -5.1 | 52 | 2.6 | 331.0 | 5463 | -5.7 | 84 | 4.0 | 334.7 | 5476 | 525 |
| 550 | -2.2 | 40 | 2.3 | 329.4 | 5142 | -2.4 | 33 | 1.9 | 327.7 | 5103 | -2.8 | 47 | 2.7 | 329.6 | 5095 | -3.0 | 50 | 2.8 | 329.7 | 5109 | 550 |
| 575 | -.1 | 47 | 3.1 | 330.2 | 4787 | -.8 | 47 | 2.9 | 328.7 | 4749 | -.6 | 47 | 3.0 | 329.1 | 4742 | -.7 | 43 | 2.7 | 328.2 | 4755 | 575 |
| 600 | 1.7 | 55 | 4.0 | 330.9 | 4445 | 1.4 | 45 | 3.2 | 328.1 | 4408 | 1.8 | 39 | 2.9 | 327.7 | 4400 | 1.6 | 36 | 2.6 | 326.5 | 4414 | 600 |
| 625 | 3.6 | 52 | 4.1 | 329.8 | 4114 | 3.4 | 44 | 3.4 | 327.5 | 4078 | 4.0 | 38 | 3.0 | 327.0 | 4069 | 3.7 | 30 | 2.4 | 324.6 | 4083 | 625 |
| 650 | 5.7 | 43 | 3.8 | 327.5 | 3794 | 5.4 | 42 | 3.7 | 326.9 | 3758 | 5.5 | 52 | 4.5 | 329.5 | 3749 | 5.7 | 39 | 3.5 | 326.6 | 3764 | 650 |
| 675 | 7.3 | 42 | 4.0 | 326.7 | 3485 | 7.4 | 41 | 3.9 | 326.3 | 3449 | 7.7 | 40 | 3.9 | 326.8 | 3439 | 7.4 | 44 | 4.2 | 327.4 | 3454 | 675 |
| 700 | 8.7 | 49 | 4.9 | 327.5 | 3184 | 9.2 | 39 | 4.1 | 325.7 | 3148 | 9.5 | 35 | 3.8 | 325.1 | 3138 | 9.1 | 38 | 4.0 | 325.1 | 3153 | 700 |
| 725 | 10.2 | 52 | 5.6 | 327.9 | 2893 | 10.2 | 50 | 5.4 | 327.3 | 2856 | 11.0 | 38 | 4.3 | 325.1 | 2846 | 10.7 | 40 | 4.5 | 325.3 | 2862 | 725 |
| 750 | 12.3 | 44 | 5.2 | 326.2 | 2610 | 11.8 | 40 | 4.7 | 324.1 | 2574 | 12.3 | 40 | 4.9 | 325.1 | 2563 | 12.2 | 43 | 5.1 | 325.6 | 2578 | 750 |
| 775 | 13.4 | 53 | 6.6 | 328.4 | 2334 | 13.2 | 45 | 5.5 | 325.1 | 2298 | 13.7 | 43 | 5.4 | 325.3 | 2287 | 13.8 | 45 | 5.7 | 326.0 | 2303 | 775 |
| 800 | 15.0 | 59 | 7.9 | 331.0 | 2066 | 14.6 | 50 | 6.4 | 326.2 | 2030 | 15.0 | 45 | 6.0 | 325.6 | 2019 | 15.2 | 46 | 6.3 | 326.6 | 2034 | 800 |
| 825 | 16.8 | 61 | 9.0 | 333.1 | 1804 | 15.8 | 54 | 7.4 | 327.5 | 1769 | 16.3 | 52 | 7.3 | 327.8 | 1758 | 16.6 | 48 | 7.0 | 327.2 | 1772 | 825 |
| 850 | 18.6 | 63 | 10.0 | 335.4 | 1548 | 17.1 | 58 | 8.4 | 328.9 | 1515 | 17.6 | 62 | 9.3 | 332.0 | 1503 | 18.0 | 50 | 7.7 | 327.9 | 1517 | 850 |
| 875 | 20.4 | 65 | 11.2 | 337.9 | 1298 | 18.7 | 55 | 8.5 | 328.3 | 1267 | 17.6 | 60 | 8.8 | 327.9 | 1254 | 19.3 | 52 | 8.4 | 328.8 | 1268 | 875 |
| 900 | 22.1 | 66 | 12.4 | 340.6 | 1053 | 20.2 | 56 | 9.3 | 329.7 | 1024 | 17.9 | 73 | 10.6 | 330.4 | 1013 | 19.4 | 73 | 11.6 | 335.1 | 1026 | 900 |
| 925 | 23.7 | 68 | 13.7 | 343.5 | 813 | 21.6 | 62 | 11.0 | 333.5 | 787 | 21.5 | 91 | 16.2 | 347.5 | 776 | 20.6 | 83 | 13.8 | 339.8 | 789 | 925 |
| 950 | 25.4 | 69 | 15.0 | 346.5 | 579 | 23.1 | 68 | 12.8 | 337.4 | 554 | 23.7 | 83 | 16.4 | 348.0 | 543 | 23.1 | 78 | 14.7 | 342.8 | 556 | 950 |
| 975 | 26.9 | 71 | 16.4 | 349.8 | 349 | 25.2 | 64 | 13.3 | 338.9 | 326 | 25.7 | 76 | 16.4 | 348.0 | 314 | 25.5 | 73 | 15.6 | 345.7 | 328 | 975 |
| 1000 | 28.5 | 72 | 17.9 | 353.3 | 123 | 28.1 | 66 | 15.9 | 347.0 | 102 | 27.7 | 68 | 16.2 | 347.5 | 90 | 27.8 | 69 | 16.5 | 348.4 | 104 | 1000 |
| SFC. | 29.3 | 73 | 18.8 | 355.3 | 0 | 30.3 | 73 | 20.0 | 360.3 | 0 | 29.0 | 69 | 17.5 | 351.7 | 0 | 28.9 | 67 | 16.8 | 349.6 | 0 | SFC. |
| | SURFACE PRESSURE 1013.9 | | | | | SURFACE PRESSURE 1011.5 | | | | | SURFACE PRESSURE 1010.1 | | | | | SURFACE PRESSURE 1011.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/18 1147 GMT T | RH | W | EPT | H | 4/18 1755 GMT T | RH | W | EPT | H | 4/18 2339 GMT T | RH | W | EPT | H | 4/19 557 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.4 | 0 | 0.0 | 464.5 | 19532 | -64.4 | 0 | 0.0 | 466.8 | 19543 | -63.7 | 0 | 0.0 | 468.3 | 19568 | -67.9 | 41 | .0 | 459.1 | 19538 | 60 |
| 70 | -71.8 | 0 | 0.0 | 430.9 | 18608 | -69.3 | 0 | 0.0 | 436.1 | 18616 | -67.2 | 19 | .0 | 440.8 | 18626 | -68.8 | 42 | .0 | 437.3 | 18611 | 70 |
| 80 | -75.5 | 47 | .0 | 407.1 | 17831 | -74.4 | 21 | .0 | 409.3 | 17825 | -74.2 | 20 | .0 | 409.8 | 17834 | -75.8 | 42 | .0 | 406.4 | 17821 | 80 |
| 90 | -77.2 | 47 | .0 | 390.3 | 17148 | -77.2 | 21 | .0 | 390.3 | 17144 | -76.1 | 20 | .0 | 392.4 | 17153 | -78.2 | 42 | .0 | 388.2 | 17149 | 90 |
| 100 | -79.1 | 47 | .0 | 374.9 | 16549 | -77.6 | 22 | .0 | 377.8 | 16537 | -76.1 | 20 | .0 | 380.7 | 16545 | -76.9 | 42 | .0 | 379.2 | 16545 | 100 |
| 110 | -77.5 | 47 | .0 | 367.8 | 16006 | -77.2 | 20 | .0 | 368.3 | 15993 | -77.0 | 20 | .0 | 368.9 | 15998 | -76.8 | 42 | .0 | 369.2 | 15999 | 110 |
| 120 | -75.0 | 47 | .0 | 363.5 | 15505 | -74.9 | 22 | .0 | 363.7 | 15491 | -74.3 | 19 | .0 | 364.7 | 15495 | -73.9 | 42 | .0 | 365.5 | 15495 | 120 |
| 130 | -71.6 | 47 | .0 | 361.4 | 15036 | -71.5 | 22 | .0 | 361.4 | 15022 | -71.5 | 19 | .0 | 361.5 | 15026 | -71.1 | 42 | .0 | 362.2 | 15024 | 130 |
| 140 | -68.6 | 47 | .0 | 359.0 | 14595 | -68.5 | 22 | .0 | 359.2 | 14581 | -68.6 | 20 | .0 | 359.0 | 14585 | -68.4 | 42 | .0 | 359.4 | 14583 | 140 |
| 150 | -66.6 | 48 | .0 | 355.5 | 14180 | -67.0 | 22 | .0 | 354.7 | 14165 | -65.9 | 20 | .0 | 356.6 | 14169 | -65.9 | 42 | .0 | 356.7 | 14167 | 150 |
| 160 | -66.0 | 49 | .0 | 349.9 | 13788 | -67.0 | 22 | .0 | 348.2 | 13776 | -64.8 | 21 | .0 | 352.0 | 13776 | -64.9 | 43 | .0 | 351.9 | 13774 | 160 |
| 170 | -63.6 | 49 | .0 | 348.0 | 13418 | -63.7 | 22 | .0 | 347.7 | 13407 | -63.5 | 20 | .0 | 348.1 | 13404 | -63.2 | 44 | .0 | 348.6 | 13403 | 170 |
| 180 | -60.8 | 50 | .0 | 347.0 | 13065 | -60.6 | 22 | .0 | 347.2 | 13053 | -61.7 | 20 | .0 | 345.3 | 13052 | -60.6 | 45 | .0 | 347.2 | 13050 | 180 |
| 190 | -58.1 | 50 | .0 | 345.9 | 12727 | -57.7 | 21 | .0 | 346.6 | 12715 | -59.0 | 21 | .0 | 344.5 | 12715 | -58.2 | 45 | .0 | 345.9 | 12711 | 190 |
| 200 | -55.6 | 51 | .1 | 344.9 | 12402 | -54.9 | 21 | .0 | 345.9 | 12389 | -56.2 | 21 | .0 | 343.9 | 12392 | -55.8 | 46 | .0 | 344.6 | 12386 | 200 |
| 225 | -49.2 | 53 | .1 | 343.5 | 11641 | -49.8 | 21 | .0 | 342.4 | 11627 | -48.9 | 21 | .0 | 343.7 | 11631 | -49.3 | 44 | .1 | 343.4 | 11626 | 225 |
| 250 | -42.9 | 57 | .2 | 343.1 | 10941 | -43.3 | 17 | .1 | 341.9 | 10928 | -42.9 | 20 | .1 | 342.5 | 10930 | -43.1 | 42 | .1 | 342.6 | 10926 | 250 |
| 275 | -37.2 | 60 | .3 | 342.8 | 10290 | -37.6 | 15 | .1 | 341.1 | 10278 | -37.6 | 19 | .1 | 341.2 | 10279 | -38.1 | 54 | .3 | 341.2 | 10276 | 275 |
| 300 | -31.9 | 51 | .4 | 342.2 | 9682 | -32.9 | 15 | .1 | 339.5 | 9672 | -32.8 | 18 | .1 | 339.8 | 9673 | -33.6 | 54 | .4 | 339.6 | 9672 | 300 |
| 325 | -28.2 | 29 | .3 | 339.2 | 9112 | -28.6 | 14 | .2 | 337.9 | 9104 | -28.3 | 19 | .2 | 338.6 | 9104 | -28.7 | 19 | .2 | 337.9 | 9105 | 325 |
| 350 | -23.9 | 28 | .4 | 338.3 | 8576 | -24.6 | 14 | .2 | 336.4 | 8569 | -23.9 | 23 | .4 | 337.9 | 8568 | -24.6 | 32 | .5 | 337.5 | 8570 | 350 |
| 375 | -19.9 | 27 | .6 | 337.4 | 8068 | -20.8 | 19 | .4 | 335.5 | 8063 | -20.0 | 17 | .3 | 336.4 | 8060 | -20.8 | 29 | .6 | 336.2 | 8064 | 375 |
| 400 | -17.2 | 79 | 2.0 | 339.6 | 7586 | -17.2 | 28 | .7 | 335.2 | 7582 | -17.3 | 29 | .7 | 335.2 | 7579 | -17.0 | 31 | .8 | 335.8 | 7583 | 400 |
| 425 | -14.7 | 90 | 2.6 | 339.1 | 7129 | -13.9 | 28 | .9 | 334.4 | 7125 | -14.1 | 31 | .9 | 334.3 | 7122 | -14.0 | 13 | .4 | 332.6 | 7125 | 425 |
| 450 | -11.4 | 72 | 2.6 | 337.7 | 6693 | -11.2 | 43 | 1.6 | 334.7 | 6688 | -11.0 | 33 | 1.2 | 333.7 | 6685 | -10.8 | 13 | .5 | 331.5 | 6689 | 450 |
| 475 | -8.5 | 67 | 2.8 | 337.0 | 6275 | -8.7 | 38 | 1.6 | 332.7 | 6271 | -9.0 | 33 | 1.3 | 331.6 | 6268 | -9.2 | 39 | 1.6 | 332.0 | 6272 | 475 |
| 500 | -6.3 | 69 | 3.3 | 336.5 | 5875 | -6.5 | 18 | .9 | 328.3 | 5872 | -6.6 | 36 | 1.7 | 330.8 | 5870 | -7.3 | 28 | 1.2 | 328.4 | 5874 | 500 |
| 525 | -4.6 | 87 | 4.5 | 337.6 | 5492 | -5.2 | 65 | 3.2 | 332.8 | 5490 | -4.0 | 41 | 2.2 | 331.1 | 5487 | -5.8 | 61 | 2.9 | 330.9 | 5493 | 525 |
| 550 | -2.6 | 93 | 5.3 | 338.1 | 5124 | -3.1 | 60 | 3.3 | 331.3 | 5122 | -1.8 | 38 | 2.3 | 329.8 | 5118 | -2.7 | 52 | 3.0 | 330.8 | 5126 | 550 |
| 575 | -.8 | 68 | 4.2 | 332.6 | 4770 | -.9 | 45 | 2.8 | 328.1 | 4769 | .3 | 33 | 2.2 | 327.8 | 4763 | .4 | 44 | 3.0 | 330.3 | 4771 | 575 |
| 600 | 1.5 | 50 | 3.5 | 329.3 | 4428 | 1.2 | 35 | 2.4 | 325.5 | 4428 | 2.2 | 28 | 2.1 | 325.8 | 4420 | 2.6 | 44 | 3.4 | 330.2 | 4428 | 600 |
| 625 | 3.8 | 62 | 5.0 | 332.7 | 4097 | 3.1 | 45 | 3.4 | 327.0 | 4098 | 4.0 | 30 | 2.4 | 325.1 | 4090 | 3.8 | 57 | 4.5 | 331.3 | 4097 | 625 |
| 650 | 5.8 | 59 | 5.2 | 332.1 | 3777 | 4.9 | 54 | 4.5 | 328.8 | 3779 | 5.4 | 46 | 4.0 | 327.8 | 3770 | 5.7 | 55 | 4.9 | 330.8 | 3777 | 650 |
| 675 | 7.7 | 41 | 4.0 | 327.0 | 3467 | 6.8 | 40 | 3.7 | 325.0 | 3470 | 7.5 | 34 | 3.3 | 324.6 | 3460 | 7.9 | 47 | 4.6 | 329.1 | 3466 | 675 |
| 700 | 9.7 | 29 | 3.1 | 323.3 | 3166 | 8.8 | 27 | 2.7 | 320.9 | 3170 | 9.5 | 23 | 2.5 | 321.2 | 3160 | 10.0 | 39 | 4.2 | 327.0 | 3165 | 700 |
| 725 | 10.6 | 69 | 7.6 | 334.3 | 2874 | 11.2 | 36 | 4.1 | 324.8 | 2878 | 11.1 | 29 | 3.3 | 322.4 | 2868 | 11.3 | 45 | 5.2 | 328.3 | 2873 | 725 |
| 750 | 12.1 | 67 | 7.9 | 333.7 | 2590 | 11.7 | 50 | 5.8 | 327.0 | 2595 | 12.7 | 35 | 4.3 | 323.7 | 2584 | 12.5 | 55 | 6.7 | 330.6 | 2589 | 750 |
| 775 | 13.5 | 66 | 8.3 | 333.4 | 2314 | 13.2 | 55 | 6.7 | 328.3 | 2320 | 14.2 | 40 | 5.2 | 325.3 | 2308 | 13.6 | 65 | 8.2 | 333.1 | 2312 | 775 |
| 800 | 14.2 | 77 | 9.9 | 335.5 | 2046 | 14.8 | 56 | 7.5 | 329.5 | 2052 | 15.6 | 45 | 6.2 | 326.8 | 2039 | 14.6 | 74 | 9.8 | 335.7 | 2044 | 800 |
| 825 | 15.9 | 73 | 10.1 | 335.1 | 1785 | 16.4 | 58 | 8.3 | 330.7 | 1790 | 16.9 | 48 | 7.1 | 328.0 | 1777 | 15.7 | 83 | 11.4 | 338.5 | 1782 | 825 |
| 850 | 18.0 | 63 | 9.7 | 333.6 | 1530 | 18.0 | 60 | 9.2 | 332.2 | 1535 | 18.2 | 52 | 8.0 | 329.3 | 1522 | 17.2 | 85 | 12.4 | 340.4 | 1527 | 850 |
| 875 | 19.4 | 70 | 11.5 | 337.5 | 1280 | 19.0 | 67 | 10.7 | 334.7 | 1286 | 19.5 | 55 | 9.0 | 330.8 | 1273 | 19.0 | 83 | 13.3 | 341.9 | 1278 | 875 |
| 900 | 20.8 | 77 | 13.4 | 341.7 | 1036 | 19.9 | 75 | 12.3 | 337.5 | 1043 | 20.7 | 59 | 10.1 | 332.4 | 1029 | 20.6 | 82 | 14.1 | 343.5 | 1035 | 900 |
| 925 | 22.2 | 84 | 15.4 | 346.3 | 798 | 21.2 | 78 | 13.5 | 339.9 | 805 | 21.9 | 62 | 11.1 | 334.1 | 792 | 22.3 | 81 | 14.9 | 345.1 | 796 | 925 |
| 950 | 23.5 | 90 | 17.6 | 351.2 | 564 | 23.0 | 77 | 14.5 | 342.0 | 573 | 23.0 | 65 | 12.3 | 335.9 | 559 | 23.9 | 79 | 15.8 | 346.7 | 563 | 950 |
| 975 | 25.2 | 85 | 18.0 | 351.7 | 336 | 24.4 | 84 | 16.9 | 347.8 | 345 | 25.3 | 64 | 13.4 | 339.4 | 331 | 25.4 | 78 | 16.6 | 348.3 | 334 | 975 |
| 1000 | 27.1 | 76 | 17.5 | 350.2 | 111 | 26.8 | 80 | 18.0 | 351.3 | 121 | 28.5 | 67 | 16.6 | 349.6 | 107 | 27.0 | 77 | 17.4 | 349.9 | 110 | 1000 |
| SFC. | 28.0 | 72 | 17.2 | 349.2 | 0 | 28.0 | 78 | 18.6 | 353.1 | 0 | 30.5 | 73 | 20.2 | 361.1 | 0 | 27.7 | 76 | 17.8 | 350.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1012.6 | SURFACE PRESSURE | | | | 1013.7 | SURFACE PRESSURE | | | | 1012.0 | SURFACE PRESSURE | | | | 1012.4 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/19 1210 GMT T | RH | W | EPT | H | 4/19 17 5 GMT T | RH | W | EPT | H | 4/19 1937 GMT T | RH | W | EPT | H | 4/19 2328 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.5 | 0 | 0.0 | 462.0 | 19612 | -67.0 | 0 | 0.0 | 460.9 | 19542 | -64.4 | 0 | 0.0 | 466.8 | 19584 | -65.6 | 0 | 0.0 | 464.1 | 19571 | 60 |
| 70 | -68.6 | 0 | 0.0 | 437.7 | 18684 | -67.9 | 0 | 0.0 | 439.1 | 18614 | -67.6 | 0 | 0.0 | 439.8 | 18648 | -70.7 | 0 | 0.0 | 433.1 | 18646 | 70 |
| 80 | -75.2 | 0 | 0.0 | 407.6 | 17891 | -71.3 | 0 | 0.0 | 415.7 | 17814 | -69.3 | 16 | .0 | 419.8 | 17848 | -72.0 | 13 | .0 | 414.3 | 17857 | 80 |
| 90 | -79.4 | 0 | 0.0 | 385.7 | 17222 | -78.3 | 20 | .0 | 388.1 | 17132 | -77.9 | 17 | .0 | 388.8 | 17163 | -77.1 | 13 | .0 | 390.3 | 17175 | 90 |
| 100 | -77.8 | 32 | .0 | 377.4 | 16622 | -78.6 | 20 | .0 | 375.9 | 16531 | -77.9 | 17 | .0 | 377.2 | 16560 | -78.6 | 14 | .0 | 375.9 | 16572 | 100 |
| 110 | -74.9 | 32 | .0 | 372.8 | 16072 | -76.3 | 20 | .0 | 370.2 | 15985 | -75.9 | 17 | .0 | 370.8 | 16012 | -75.5 | 14 | .0 | 371.6 | 16025 | 110 |
| 120 | -72.2 | 33 | .0 | 368.6 | 15564 | -74.2 | 19 | .0 | 364.9 | 15481 | -74.1 | 16 | .0 | 365.0 | 15507 | -73.0 | 14 | .0 | 367.2 | 15518 | 120 |
| 130 | -69.7 | 33 | .0 | 364.7 | 15090 | -72.2 | 19 | .0 | 360.2 | 15012 | -72.4 | 16 | .0 | 359.8 | 15039 | -72.0 | 14 | .0 | 360.6 | 15048 | 130 |
| 140 | -67.4 | 33 | .0 | 361.0 | 14646 | -70.4 | 19 | .0 | 355.8 | 14574 | -70.2 | 16 | .0 | 356.1 | 14601 | -69.0 | 14 | .0 | 358.3 | 14608 | 140 |
| 150 | -65.3 | 33 | .0 | 357.6 | 14228 | -67.6 | 19 | .0 | 353.7 | 14161 | -67.2 | 16 | .0 | 354.3 | 14188 | -66.1 | 14 | .0 | 356.3 | 14193 | 150 |
| 160 | -63.3 | 33 | .0 | 354.5 | 13833 | -65.0 | 19 | .0 | 351.6 | 13770 | -64.4 | 17 | .0 | 352.6 | 13796 | -63.1 | 14 | .0 | 354.8 | 13798 | 160 |
| 170 | -61.5 | 34 | .0 | 351.5 | 13459 | -62.6 | 19 | .0 | 349.6 | 13399 | -61.8 | 17 | .0 | 350.9 | 13424 | -60.4 | 13 | .0 | 353.3 | 13423 | 170 |
| 180 | -59.7 | 34 | .0 | 348.7 | 13103 | -60.2 | 19 | .0 | 347.8 | 13044 | -59.3 | 17 | .0 | 349.3 | 13068 | -57.8 | 13 | .0 | 351.8 | 13065 | 180 |
| 190 | -57.9 | 34 | .0 | 346.2 | 12764 | -58.1 | 19 | .0 | 346.0 | 12705 | -57.1 | 17 | .0 | 347.5 | 12727 | -55.9 | 13 | .0 | 349.3 | 12722 | 190 |
| 200 | -55.3 | 34 | .0 | 345.4 | 12439 | -55.8 | 19 | .0 | 344.5 | 12381 | -55.0 | 17 | .0 | 345.8 | 12401 | -54.3 | 13 | .0 | 346.9 | 12395 | 200 |
| 225 | -49.0 | 33 | .1 | 343.7 | 11677 | -50.1 | 19 | .0 | 342.0 | 11621 | -50.1 | 17 | .0 | 341.8 | 11640 | -49.6 | 13 | .0 | 342.6 | 11632 | 225 |
| 250 | -42.7 | 25 | .1 | 343.0 | 10975 | -44.9 | 19 | .1 | 339.6 | 10925 | -44.8 | 17 | .0 | 339.6 | 10945 | -44.1 | 13 | .0 | 340.7 | 10935 | 250 |
| 275 | -37.1 | 23 | .1 | 342.0 | 10324 | -38.7 | 18 | .1 | 339.6 | 10279 | -38.6 | 16 | .1 | 339.7 | 10299 | -38.1 | 12 | .1 | 340.4 | 10287 | 275 |
| 300 | -32.1 | 22 | .2 | 341.0 | 9716 | -33.0 | 18 | .1 | 339.4 | 9674 | -32.9 | 15 | .1 | 339.5 | 9694 | -32.6 | 11 | .1 | 339.9 | 9681 | 300 |
| 325 | -27.8 | 32 | .4 | 339.9 | 9146 | -27.8 | 17 | .2 | 339.2 | 9105 | -27.6 | 14 | .2 | 339.3 | 9124 | -27.5 | 11 | .1 | 339.4 | 9111 | 325 |
| 350 | -24.0 | 49 | .8 | 339.3 | 8609 | -24.5 | 24 | .4 | 337.2 | 8568 | -24.3 | 16 | .3 | 337.1 | 8587 | -22.8 | 10 | .2 | 338.8 | 8573 | 350 |
| 375 | -19.6 | 43 | .9 | 339.0 | 8101 | -21.7 | 31 | .6 | 335.0 | 8064 | -21.7 | 19 | .3 | 334.3 | 8082 | -19.9 | 11 | .2 | 336.2 | 8063 | 375 |
| 400 | -16.0 | 24 | .7 | 336.7 | 7618 | -17.6 | 30 | .7 | 334.8 | 7584 | -17.0 | 18 | .5 | 334.6 | 7603 | -16.5 | 13 | .3 | 334.9 | 7582 | 400 |
| 425 | -12.7 | 13 | .5 | 334.5 | 7159 | -14.0 | 18 | .6 | 333.1 | 7127 | -13.8 | 16 | .5 | 333.1 | 7145 | -12.8 | 10 | .3 | 333.9 | 7122 | 425 |
| 450 | -9.9 | 34 | 1.4 | 335.7 | 6720 | -11.5 | 21 | .7 | 331.5 | 6691 | -10.9 | 16 | .6 | 331.7 | 6708 | -9.7 | 10 | .4 | 332.7 | 6684 | 450 |
| 475 | -7.4 | 34 | 1.6 | 334.5 | 6301 | -9.2 | 39 | 1.6 | 332.0 | 6275 | -8.5 | 22 | .9 | 330.7 | 6291 | -7.1 | 10 | .5 | 331.0 | 6265 | 475 |
| 500 | -4.9 | 19 | 1.0 | 330.6 | 5900 | -6.4 | 26 | 1.2 | 329.6 | 5876 | -5.6 | 17 | .9 | 329.4 | 5891 | -5.3 | 15 | .8 | 329.4 | 5864 | 500 |
| 525 | -3.2 | 46 | 2.7 | 333.6 | 5515 | -3.8 | 18 | 1.0 | 327.4 | 5493 | -3.2 | 18 | 1.0 | 328.4 | 5507 | -1.6 | 10 | .7 | 329.0 | 5478 | 525 |
| 550 | -.8 | 47 | 3.1 | 333.5 | 5145 | -2.1 | 39 | 2.3 | 329.5 | 5124 | -1.5 | 29 | 1.8 | 328.4 | 5137 | .1 | 16 | 1.1 | 328.1 | 5107 | 550 |
| 575 | 1.8 | 38 | 2.9 | 331.7 | 4788 | -.1 | 49 | 3.2 | 330.4 | 4770 | .5 | 30 | 2.1 | 327.7 | 4782 | .9 | 25 | 1.8 | 327.2 | 4750 | 575 |
| 600 | 4.3 | 34 | 2.9 | 330.9 | 4443 | 2.7 | 35 | 2.7 | 328.2 | 4427 | 2.7 | 29 | 2.2 | 326.8 | 4439 | 2.4 | 31 | 2.3 | 326.6 | 4407 | 600 |
| 625 | 5.9 | 41 | 3.8 | 331.7 | 4109 | 4.1 | 44 | 3.6 | 328.9 | 4096 | 4.6 | 34 | 2.9 | 327.2 | 4108 | 3.8 | 25 | 2.0 | 323.6 | 4076 | 625 |
| 650 | 7.5 | 48 | 4.8 | 332.7 | 3787 | 6.5 | 38 | 3.5 | 327.8 | 3775 | 6.3 | 40 | 3.6 | 327.8 | 3787 | 5.3 | 41 | 3.5 | 326.1 | 3757 | 650 |
| 675 | 9.0 | 54 | 5.8 | 333.9 | 3475 | 7.7 | 50 | 4.9 | 329.7 | 3465 | 7.3 | 51 | 4.8 | 329.0 | 3477 | 6.7 | 48 | 4.4 | 327.0 | 3448 | 675 |
| 700 | 10.4 | 51 | 5.7 | 332.0 | 3173 | 9.4 | 46 | 4.9 | 328.2 | 3164 | 8.5 | 38 | 3.7 | 323.9 | 3177 | 7.6 | 43 | 4.0 | 323.6 | 3148 | 700 |
| 725 | 11.8 | 46 | 5.5 | 329.5 | 2880 | 10.9 | 50 | 5.7 | 329.1 | 2872 | 10.2 | 42 | 4.5 | 324.8 | 2886 | 7.5 | 26 | 2.3 | 315.1 | 2859 | 725 |
| 750 | 13.1 | 57 | 7.2 | 332.8 | 2595 | 12.3 | 51 | 6.1 | 328.9 | 2588 | 11.8 | 47 | 5.5 | 326.3 | 2603 | 9.5 | 48 | 4.7 | 321.5 | 2579 | 750 |
| 775 | 14.8 | 55 | 7.5 | 332.7 | 2318 | 13.6 | 60 | 7.6 | 331.4 | 2312 | 13.4 | 52 | 6.4 | 327.8 | 2327 | 11.0 | 54 | 5.8 | 323.1 | 2306 | 775 |
| 800 | 16.2 | 62 | 8.9 | 335.3 | 2048 | 14.9 | 68 | 9.1 | 334.2 | 2043 | 14.8 | 54 | 7.2 | 328.8 | 2059 | 13.2 | 71 | 8.5 | 330.4 | 2040 | 800 |
| 825 | 16.9 | 83 | 12.2 | 342.4 | 1786 | 16.1 | 76 | 10.7 | 337.3 | 1782 | 16.3 | 57 | 8.1 | 329.9 | 1798 | 14.7 | 77 | 9.9 | 333.1 | 1779 | 825 |
| 850 | 18.4 | 78 | 12.3 | 341.6 | 1529 | 17.4 | 81 | 12.0 | 339.4 | 1526 | 17.6 | 60 | 9.0 | 331.2 | 1543 | 16.6 | 85 | 12.0 | 338.4 | 1526 | 850 |
| 875 | 19.9 | 83 | 14.1 | 345.4 | 1279 | 18.7 | 84 | 13.1 | 341.1 | 1277 | 18.9 | 63 | 9.9 | 332.5 | 1294 | 18.9 | 95 | 15.1 | 347.0 | 1276 | 875 |
| 900 | 21.4 | 88 | 15.9 | 349.6 | 1035 | 20.0 | 86 | 14.2 | 343.0 | 1034 | 20.2 | 65 | 10.9 | 334.0 | 1051 | 20.1 | 92 | 15.3 | 346.1 | 1032 | 900 |
| 925 | 22.9 | 90 | 17.3 | 352.4 | 795 | 21.4 | 87 | 15.2 | 344.8 | 796 | 21.5 | 68 | 11.9 | 335.6 | 813 | 21.4 | 91 | 16.1 | 347.1 | 794 | 925 |
| 950 | 24.4 | 86 | 17.8 | 352.9 | 561 | 23.2 | 83 | 15.9 | 346.1 | 563 | 22.7 | 70 | 12.9 | 337.3 | 581 | 23.0 | 91 | 17.2 | 349.5 | 561 | 950 |
| 975 | 25.9 | 83 | 18.2 | 353.1 | 332 | 24.9 | 80 | 16.5 | 347.4 | 335 | 25.2 | 73 | 15.3 | 344.4 | 353 | 25.4 | 80 | 16.9 | 349.1 | 333 | 975 |
| 1000 | 27.3 | 80 | 18.5 | 353.3 | 107 | 26.7 | 77 | 17.1 | 348.6 | 111 | 27.6 | 76 | 18.0 | 352.4 | 129 | 28.0 | 75 | 18.1 | 353.1 | 108 | 1000 |
| SFC. | 28.0 | 78 | 18.7 | 353.3 | 0 | 27.5 | 75 | 17.4 | 349.1 | 0 | 29.0 | 78 | 19.8 | 357.5 | 0 | 29.5 | 79 | 20.7 | 361.0 | 0 | SFC. |
| | SURFACE PRESSURE 1012.1 | | | | | SURFACE PRESSURE 1012.6 | | | | | SURFACE PRESSURE 1014.5 | | | | | SURFACE PRESSURE 1012.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/20 20 GMT T | RH | W | EPT | H | 4/20 7 5 GMT T | RH | W | EPT | H | 4/20 1143 GMT T | RH | W | EPT | H | 4/20 1740 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.9 | 0 | 0.0 | 465.6 | 19576 | -66.6 | 0 | 0.0 | 461.8 | 19519 | -64.1 | 0 | 0.0 | 467.3 | 19514 | -64.2 | 0 | 0.0 | 467.2 | 19558 | 60 |
| 70 | -70.2 | 16 | .0 | 434.3 | 18650 | -69.7 | 0 | 0.0 | 435.3 | 18593 | -68.4 | 0 | 0.0 | 438.0 | 18576 | -65.1 | 0 | 0.0 | 445.2 | 18615 | 70 |
| 80 | -73.0 | 17 | .0 | 412.3 | 17861 | -75.4 | 21 | .0 | 407.2 | 17808 | -74.6 | 0 | 0.0 | 408.9 | 17787 | -74.1 | 19 | .0 | 410.0 | 17819 | 80 |
| 90 | -77.4 | 17 | .0 | 389.7 | 17182 | -78.8 | 22 | .0 | 387.0 | 17134 | -79.4 | 0 | 0.0 | 385.8 | 17112 | -77.4 | 20 | .0 | 389.7 | 17139 | 90 |
| 100 | -77.8 | 17 | .0 | 377.4 | 16578 | -79.1 | 23 | .0 | 374.9 | 16535 | -78.3 | 0 | 0.0 | 376.5 | 16512 | -77.7 | 19 | .0 | 377.6 | 16535 | 100 |
| 110 | -75.5 | 17 | .0 | 371.6 | 16030 | -76.9 | 22 | .0 | 369.0 | 15990 | -76.0 | 0 | 0.0 | 370.6 | 15965 | -76.9 | 19 | .0 | 369.1 | 15988 | 110 |
| 120 | -73.4 | 17 | .0 | 366.4 | 15523 | -74.9 | 22 | .0 | 363.6 | 15488 | -74.0 | 0 | 0.0 | 365.2 | 15460 | -75.3 | 19 | .0 | 362.9 | 15486 | 120 |
| 130 | -71.4 | 17 | .0 | 361.6 | 15053 | -73.1 | 21 | .0 | 358.6 | 15021 | -73.4 | 0 | 0.0 | 358.0 | 14993 | -73.6 | 19 | .0 | 357.6 | 15021 | 130 |
| 140 | -69.6 | 17 | .0 | 357.1 | 14613 | -71.1 | 21 | .0 | 354.6 | 14585 | -71.0 | 0 | 0.0 | 354.7 | 14557 | -71.4 | 19 | .0 | 354.0 | 14585 | 140 |
| 150 | -66.9 | 17 | .0 | 354.8 | 14199 | -68.1 | 21 | .0 | 352.8 | 14173 | -68.2 | 0 | 0.0 | 352.6 | 14146 | -68.2 | 19 | .0 | 352.7 | 14174 | 150 |
| 160 | -64.2 | 17 | .0 | 353.0 | 13807 | -65.4 | 20 | .0 | 351.0 | 13783 | -65.6 | 0 | 0.0 | 350.5 | 13756 | -65.0 | 18 | .0 | 351.6 | 13784 | 160 |
| 170 | -61.6 | 17 | .0 | 351.3 | 13434 | -62.8 | 20 | .0 | 349.3 | 13412 | -63.2 | 0 | 0.0 | 348.6 | 13385 | -62.4 | 18 | .0 | 350.0 | 13412 | 170 |
| 180 | -59.1 | 17 | .0 | 349.6 | 13078 | -60.3 | 20 | .0 | 347.7 | 13058 | -60.7 | 0 | 0.0 | 346.9 | 13032 | -60.5 | 19 | .0 | 347.3 | 13058 | 180 |
| 190 | -56.8 | 16 | .0 | 348.0 | 12737 | -57.8 | 20 | .0 | 346.4 | 12719 | -58.1 | 0 | 0.0 | 345.9 | 12693 | -57.8 | 19 | .0 | 346.4 | 12719 | 190 |
| 200 | -54.6 | 16 | .0 | 346.4 | 12410 | -55.3 | 20 | .0 | 345.2 | 12393 | -55.5 | 0 | 0.0 | 344.9 | 12368 | -55.1 | 20 | .0 | 345.6 | 12393 | 200 |
| 225 | -49.5 | 16 | .0 | 342.7 | 11648 | -49.7 | 19 | .0 | 342.5 | 11632 | -49.2 | 0 | 0.0 | 343.1 | 11607 | -49.0 | 20 | .0 | 343.6 | 11631 | 225 |
| 250 | -43.5 | 15 | .1 | 341.6 | 10949 | -44.4 | 19 | .1 | 340.3 | 10935 | -43.1 | 0 | 0.0 | 342.1 | 10907 | -43.1 | 19 | .1 | 342.4 | 10930 | 250 |
| 275 | -37.7 | 15 | .1 | 341.0 | 10300 | -39.0 | 19 | .1 | 339.2 | 10289 | -37.6 | M | M | M | 10257 | -37.7 | 18 | .1 | 341.0 | 10280 | 275 |
| 300 | -32.3 | 14 | .1 | 340.3 | 9693 | -33.9 | 19 | .1 | 338.1 | 9686 | -33.7 | M | M | M | 9653 | -32.8 | 21 | .2 | 339.8 | 9674 | 300 |
| 325 | -27.5 | 14 | .2 | 339.6 | 9123 | -29.3 | 18 | .2 | 337.0 | 9120 | -28.4 | M | M | M | 9085 | -28.5 | 32 | .4 | 338.9 | 9105 | 325 |
| 350 | -22.9 | 13 | .2 | 338.8 | 8584 | -25.1 | 18 | .3 | 336.0 | 8586 | -24.4 | M | M | M | 8549 | -24.4 | 33 | .5 | 337.8 | 8570 | 350 |
| 375 | -18.7 | 13 | .3 | 338.1 | 8074 | -21.1 | 18 | .3 | 335.0 | 8080 | -21.2 | M | M | M | 8044 | -20.5 | 21 | .4 | 336.1 | 8063 | 375 |
| 400 | -16.4 | 16 | .4 | 335.3 | 7592 | -17.4 | 18 | .4 | 334.1 | 7601 | -17.5 | 10 | .2 | 333.2 | 7564 | -17.2 | 18 | .4 | 334.4 | 7583 | 400 |
| 425 | -12.9 | 17 | .5 | 334.5 | 7133 | -14.3 | 17 | .5 | 332.6 | 7144 | -14.8 | 14 | .4 | 331.5 | 7107 | -15.2 | 26 | .7 | 332.2 | 7127 | 425 |
| 450 | -9.7 | 16 | .7 | 333.6 | 6695 | -11.4 | 16 | .6 | 331.1 | 6708 | -12.3 | 14 | .5 | 329.6 | 6673 | -12.3 | 16 | .5 | 329.7 | 6692 | 450 |
| 475 | -7.7 | 18 | .8 | 331.4 | 6275 | -8.9 | 30 | 1.2 | 331.3 | 6291 | -9.4 | 10 | .4 | 327.8 | 6258 | -9.3 | 12 | .5 | 328.3 | 6277 | 475 |
| 500 | -4.9 | 16 | .8 | 330.1 | 5874 | -6.7 | 45 | 2.1 | 332.0 | 5892 | -7.7 | 22 | .9 | 327.0 | 5860 | -6.6 | 14 | .7 | 327.4 | 5879 | 500 |
| 525 | -2.2 | 13 | .8 | 328.8 | 5489 | -3.8 | 29 | 1.6 | 329.5 | 5509 | -5.4 | 60 | 2.9 | 331.5 | 5479 | -4.3 | 27 | 1.4 | 328.1 | 5496 | 525 |
| 550 | -.3 | 32 | 2.1 | 331.0 | 5118 | -1.1 | 48 | 3.0 | 332.9 | 5139 | -2.2 | 16 | 1.0 | 324.8 | 5111 | -2.2 | 39 | 2.3 | 329.3 | 5128 | 550 |
| 575 | 1.2 | 31 | 2.2 | 329.0 | 4761 | .6 | 49 | 3.4 | 332.0 | 4783 | -1.5 | 55 | 3.3 | 329.0 | 4758 | .0 | 33 | 2.2 | 327.3 | 4773 | 575 |
| 600 | 3.2 | 26 | 2.1 | 326.7 | 4418 | 2.5 | 55 | 4.1 | 332.4 | 4440 | .6 | 46 | 3.1 | 326.9 | 4417 | 2.0 | 33 | 2.5 | 326.7 | 4431 | 600 |
| 625 | 5.1 | 25 | 2.2 | 325.7 | 4086 | 4.7 | 60 | 5.1 | 334.2 | 4109 | 2.7 | 36 | 2.6 | 324.2 | 4088 | 3.8 | 47 | 3.7 | 328.9 | 4100 | 625 |
| 650 | 6.9 | 38 | 3.7 | 328.8 | 3765 | 6.9 | 50 | 4.8 | 332.0 | 3787 | 4.8 | 25 | 2.1 | 321.2 | 3770 | 5.5 | 55 | 4.8 | 330.4 | 3780 | 650 |
| 675 | 9.0 | 39 | 4.2 | 329.2 | 3453 | 8.9 | 40 | 4.2 | 329.2 | 3476 | 7.3 | 60 | 5.7 | 331.6 | 3461 | 7.3 | 52 | 5.0 | 329.4 | 3470 | 675 |
| 700 | 10.7 | 28 | 3.3 | 325.0 | 3151 | 10.5 | 47 | 5.3 | 330.7 | 3174 | 8.6 | 94 | 9.4 | 340.4 | 3160 | 8.9 | 50 | 5.1 | 328.3 | 3170 | 700 |
| 725 | 11.9 | 40 | 4.9 | 327.9 | 2858 | 11.8 | 51 | 6.1 | 331.5 | 2880 | 9.6 | 78 | 8.1 | 334.4 | 2868 | 10.4 | 56 | 6.1 | 329.5 | 2878 | 725 |
| 750 | 13.1 | 52 | 6.5 | 330.9 | 2573 | 12.9 | 51 | 6.4 | 330.2 | 2596 | 11.5 | 95 | 10.9 | 341.5 | 2585 | 11.7 | 64 | 7.4 | 331.8 | 2595 | 750 |
| 775 | 14.2 | 63 | 8.3 | 334.0 | 2297 | 13.9 | 68 | 8.8 | 335.2 | 2319 | 12.9 | 95 | 11.6 | 342.0 | 2309 | 13.3 | 54 | 6.7 | 328.6 | 2320 | 775 |
| 800 | 15.2 | 73 | 10.1 | 337.3 | 2027 | 15.2 | 76 | 10.4 | 338.4 | 2050 | 14.3 | 95 | 12.3 | 342.5 | 2040 | 15.3 | 48 | 6.5 | 327.1 | 2051 | 800 |
| 825 | 16.4 | 75 | 10.6 | 337.3 | 1765 | 16.6 | 75 | 10.9 | 338.2 | 1788 | 15.6 | 96 | 13.1 | 343.1 | 1778 | 16.9 | 45 | 6.7 | 326.7 | 1789 | 825 |
| 850 | 17.5 | 75 | 11.2 | 337.3 | 1510 | 17.7 | 71 | 10.7 | 336.0 | 1533 | 16.9 | 96 | 13.8 | 343.8 | 1523 | 18.1 | 54 | 8.2 | 329.6 | 1534 | 850 |
| 875 | 18.7 | 87 | 13.7 | 342.7 | 1261 | 19.7 | 83 | 13.8 | 344.4 | 1283 | 18.2 | 96 | 14.5 | 344.5 | 1274 | 19.2 | 62 | 9.8 | 332.7 | 1285 | 875 |
| 900 | 20.5 | 82 | 13.8 | 342.6 | 1018 | 21.4 | 91 | 16.4 | 350.9 | 1039 | 19.5 | 95 | 15.2 | 345.2 | 1031 | 20.7 | 65 | 11.1 | 335.2 | 1042 | 900 |
| 925 | 22.1 | 74 | 13.6 | 341.2 | 779 | 22.8 | 87 | 16.7 | 350.6 | 799 | 21.3 | 90 | 15.7 | 345.9 | 794 | 22.4 | 66 | 12.2 | 337.7 | 804 | 925 |
| 950 | 23.4 | 87 | 16.7 | 348.7 | 546 | 24.2 | 83 | 16.9 | 350.1 | 565 | 23.0 | 86 | 16.1 | 346.5 | 561 | 24.1 | 67 | 13.3 | 340.2 | 570 | 950 |
| 975 | 25.3 | 84 | 17.8 | 351.6 | 318 | 25.5 | 79 | 17.0 | 349.6 | 336 | 24.6 | 81 | 16.5 | 346.9 | 333 | 25.7 | 67 | 14.5 | 343.0 | 342 | 975 |
| 1000 | 27.2 | 82 | 19.0 | 354.4 | 93 | 26.8 | 76 | 17.1 | 348.9 | 112 | 26.2 | 77 | 16.8 | 347.1 | 109 | 27.3 | 71 | 16.3 | 347.2 | 118 | 1000 |
| SFC. | 28.0 | 81 | 19.4 | 355.6 | 0 | 27.5 | 74 | 17.1 | 348.4 | 0 | 27.0 | 75 | 16.9 | 347.1 | 0 | 28.0 | 75 | 17.9 | 351.1 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1012.7 | | | | | SURFACE PRESSURE 1012.4 | | | | | SURFACE PRESSURE 1013.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| | 4/20 2324 GMT | | | | | 4/21 612 GMT | | | | | 4/21 1142 GMT | | | | | 4/21 1728 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -67.0 | 0 | 0.0 | 460.9 | 19556 | -66.0 | 0 | 0.0 | 463.2 | 19525 | -67.2 | 0 | 0.0 | 460.5 | 19503 | -65.5 | 0 | 0.0 | 464.3 | 19561 | 60 |
| 70 | -71.8 | 0 | 0.0 | 430.8 | 18634 | -68.2 | 0 | 0.0 | 438.5 | 18595 | -68.9 | 0 | 0.0 | 436.9 | 18577 | -66.0 | 0 | 0.0 | 443.2 | 18625 | 70 |
| 80 | -77.3 | 0 | 0.0 | 403.4 | 17858 | -73.6 | 27 | .0 | 411.0 | 17803 | -78.5 | 41 | .0 | 400.8 | 17797 | -76.5 | 14 | .0 | 405.0 | 17831 | 80 |
| 90 | -78.5 | 0 | 0.0 | 387.5 | 17186 | -78.7 | 28 | .0 | 387.2 | 17124 | -78.5 | 41 | .0 | 387.6 | 17127 | -75.8 | 14 | .0 | 392.9 | 17154 | 90 |
| 100 | -77.0 | 15 | .0 | 379.0 | 16584 | -76.9 | 28 | .0 | 379.2 | 16521 | -76.4 | 41 | .0 | 380.2 | 16523 | -74.0 | 14 | .0 | 384.8 | 16543 | 100 |
| 110 | -74.7 | 15 | .0 | 373.1 | 16033 | -76.5 | 27 | .0 | 369.8 | 15972 | -77.4 | 41 | .0 | 368.1 | 15976 | -74.7 | 14 | .0 | 373.0 | 15988 | 110 |
| 120 | -73.2 | 15 | .0 | 366.7 | 15525 | -76.1 | 27 | .0 | 361.4 | 15471 | -75.4 | 41 | .0 | 362.7 | 15475 | -75.4 | 14 | .0 | 362.6 | 15483 | 120 |
| 130 | -73.3 | 15 | .0 | 358.2 | 15058 | -75.7 | 26 | .0 | 353.9 | 15008 | -73.6 | 41 | .0 | 357.8 | 15009 | -72.9 | 14 | .0 | 358.9 | 15017 | 130 |
| 140 | -70.0 | 15 | .0 | 356.6 | 14621 | -72.4 | 26 | .0 | 352.2 | 14576 | -71.6 | 41 | .0 | 353.8 | 14574 | -70.3 | 15 | .0 | 356.0 | 14580 | 140 |
| 150 | -66.6 | 15 | .0 | 355.4 | 14207 | -69.4 | 26 | .0 | 350.6 | 14168 | -68.5 | 41 | .0 | 352.1 | 14164 | -67.6 | 15 | .0 | 353.6 | 14167 | 150 |
| 160 | -63.5 | 15 | .0 | 354.1 | 13814 | -66.5 | 26 | .0 | 349.0 | 13780 | -65.7 | 42 | .0 | 350.5 | 13774 | -64.9 | 15 | .0 | 351.8 | 13776 | 160 |
| 170 | -62.6 | 15 | .0 | 349.5 | 13441 | -63.9 | 26 | .0 | 347.5 | 13411 | -63.0 | 42 | .0 | 348.9 | 13403 | -62.2 | 14 | .0 | 350.1 | 13404 | 170 |
| 180 | -59.8 | 15 | .0 | 348.4 | 13086 | -61.0 | 26 | .0 | 346.6 | 13058 | -60.5 | 43 | .0 | 347.4 | 13050 | -59.8 | 14 | .0 | 348.5 | 13049 | 180 |
| 190 | -57.2 | 15 | .0 | 347.3 | 12747 | -58.0 | 25 | .0 | 346.0 | 12720 | -58.1 | 43 | .0 | 345.9 | 12711 | -57.5 | 14 | .0 | 346.9 | 12709 | 190 |
| 200 | -54.3 | 15 | .0 | 346.9 | 12420 | -55.3 | 25 | .0 | 345.4 | 12394 | -55.5 | 44 | .0 | 345.0 | 12386 | -55.0 | 14 | .0 | 345.8 | 12383 | 200 |
| 225 | -47.7 | 16 | .0 | 345.6 | 11654 | -48.9 | 24 | .0 | 343.7 | 11632 | -49.1 | 48 | .1 | 343.6 | 11624 | -49.2 | 15 | .0 | 343.3 | 11621 | 225 |
| 250 | -41.7 | 17 | .1 | 344.3 | 10949 | -43.1 | 23 | .1 | 342.3 | 10931 | -43.4 | 51 | .2 | 342.3 | 10924 | -44.0 | 15 | .0 | 340.9 | 10922 | 250 |
| 275 | -36.3 | 17 | .1 | 343.0 | 10295 | -37.6 | 21 | .1 | 341.3 | 10281 | -38.0 | 43 | .2 | 341.1 | 10276 | -38.0 | 14 | .1 | 340.5 | 10274 | 275 |
| 300 | -31.4 | 18 | .2 | 341.8 | 9685 | -32.5 | 20 | .2 | 340.2 | 9675 | -33.0 | 31 | .2 | 339.8 | 9670 | -32.3 | 13 | .1 | 340.4 | 9667 | 300 |
| 325 | -27.5 | 14 | .2 | 339.5 | 9115 | -28.0 | 22 | .3 | 339.1 | 9105 | -28.6 | 44 | .5 | 339.2 | 9102 | -27.6 | 17 | .2 | 339.6 | 9097 | 325 |
| 350 | -23.4 | 19 | .3 | 338.5 | 8577 | -24.3 | 19 | .3 | 337.1 | 8569 | -24.2 | 40 | .6 | 338.5 | 8566 | -23.9 | 24 | .4 | 338.0 | 8560 | 350 |
| 375 | -19.3 | 20 | .4 | 337.8 | 8068 | -21.6 | 47 | .9 | 336.2 | 8063 | -21.1 | 71 | 1.3 | 338.6 | 8059 | -20.6 | 29 | .6 | 336.5 | 8053 | 375 |
| 400 | -16.2 | 35 | .9 | 337.4 | 7585 | -18.7 | 73 | 1.6 | 336.3 | 7586 | -17.9 | 83 | 1.9 | 338.6 | 7580 | -17.5 | 46 | 1.1 | 336.3 | 7572 | 400 |
| 425 | -13.4 | 36 | 1.1 | 335.9 | 7126 | -15.3 | 83 | 2.3 | 337.1 | 7131 | -14.9 | 60 | 1.7 | 335.9 | 7123 | -14.6 | 56 | 1.6 | 336.0 | 7116 | 425 |
| 450 | -11.2 | 28 | 1.0 | 332.9 | 6690 | -12.1 | 67 | 2.3 | 335.8 | 6696 | -12.1 | 77 | 2.6 | 336.9 | 6688 | -11.9 | 65 | 2.2 | 336.0 | 6680 | 450 |
| 475 | -8.7 | 21 | .9 | 330.3 | 6273 | -9.4 | 45 | 1.8 | 332.5 | 6280 | -9.2 | 52 | 2.1 | 333.8 | 6272 | -9.4 | 60 | 2.4 | 334.5 | 6264 | 475 |
| 500 | -5.9 | 19 | .9 | 329.2 | 5873 | -6.6 | 42 | 1.9 | 331.6 | 5881 | -6.6 | 41 | 1.9 | 331.7 | 5873 | -7.1 | 40 | 1.8 | 330.6 | 5865 | 500 |
| 525 | -3.2 | 17 | 1.0 | 328.0 | 5489 | -4.0 | 38 | 2.1 | 330.7 | 5498 | -4.3 | 49 | 2.6 | 332.1 | 5490 | -4.0 | 41 | 2.2 | 331.2 | 5483 | 525 |
| 550 | -1.5 | 24 | 1.5 | 327.5 | 5120 | -1.5 | 35 | 2.2 | 329.7 | 5129 | -3.0 | 53 | 2.9 | 330.3 | 5122 | -1.9 | 51 | 3.1 | 332.0 | 5114 | 550 |
| 575 | -.1 | 34 | 2.2 | 327.4 | 4765 | 1.1 | 26 | 1.9 | 327.7 | 4773 | -.5 | 53 | 3.4 | 330.5 | 4768 | -1.3 | 68 | 4.1 | 331.8 | 4760 | 575 |
| 600 | 2.4 | 33 | 2.5 | 327.3 | 4423 | 2.4 | 54 | 4.1 | 332.2 | 4430 | 1.7 | 48 | 3.5 | 329.5 | 4426 | 1.2 | 72 | 5.0 | 333.5 | 4418 | 600 |
| 625 | 4.8 | 33 | 2.8 | 327.2 | 4091 | 4.0 | 71 | 5.8 | 335.2 | 4099 | 3.5 | 60 | 4.7 | 331.5 | 4096 | 3.5 | 71 | 5.6 | 334.1 | 4088 | 625 |
| 650 | 7.0 | 32 | 3.1 | 327.2 | 3770 | 5.9 | 63 | 5.6 | 333.3 | 3778 | 5.6 | 56 | 4.9 | 330.9 | 3776 | 5.5 | 69 | 6.0 | 334.1 | 3768 | 650 |
| 675 | 9.0 | 33 | 3.5 | 327.0 | 3459 | 8.2 | 48 | 4.9 | 330.3 | 3468 | 7.8 | 63 | 6.2 | 333.7 | 3466 | 7.5 | 67 | 6.5 | 334.2 | 3458 | 675 |
| 700 | 10.6 | 34 | 3.9 | 326.7 | 3157 | 9.8 | 52 | 5.6 | 331.1 | 3166 | 10.0 | 54 | 6.0 | 332.2 | 3164 | 9.2 | 71 | 7.4 | 335.4 | 3157 | 700 |
| 725 | 12.2 | 36 | 4.3 | 326.6 | 2864 | 11.3 | 58 | 6.7 | 332.6 | 2873 | 11.9 | 65 | 7.8 | 336.4 | 2871 | 10.6 | 79 | 8.8 | 337.7 | 2864 | 725 |
| 750 | 13.0 | 49 | 6.1 | 329.7 | 2579 | 12.4 | 71 | 8.6 | 336.1 | 2589 | 12.9 | 75 | 9.4 | 338.9 | 2586 | 11.9 | 87 | 10.3 | 340.2 | 2580 | 750 |
| 775 | 13.9 | 53 | 6.9 | 329.8 | 2303 | 14.1 | 62 | 8.1 | 333.3 | 2313 | 13.8 | 85 | 11.0 | 341.4 | 2309 | 13.2 | 85 | 10.5 | 339.1 | 2304 | 775 |
| 800 | 15.4 | 40 | 5.5 | 324.5 | 2034 | 15.1 | 73 | 9.9 | 336.7 | 2044 | 14.7 | 95 | 12.7 | 344.1 | 2040 | 14.0 | 88 | 11.2 | 338.9 | 2036 | 800 |
| 825 | 16.9 | 42 | 6.2 | 325.3 | 1772 | 16.2 | 85 | 12.1 | 341.2 | 1782 | 16.3 | 74 | 10.6 | 337.1 | 1778 | 15.2 | 97 | 12.9 | 342.0 | 1775 | 825 |
| 850 | 18.1 | 49 | 7.5 | 327.5 | 1517 | 17.9 | 80 | 12.3 | 340.9 | 1526 | 17.5 | 80 | 12.0 | 339.4 | 1523 | 16.6 | 96 | 13.6 | 342.8 | 1520 | 850 |
| 875 | 19.2 | 56 | 8.9 | 330.2 | 1268 | 19.6 | 75 | 12.4 | 340.5 | 1277 | 18.5 | 93 | 14.5 | 344.8 | 1274 | 18.2 | 92 | 14.0 | 343.0 | 1271 | 875 |
| 900 | 20.3 | 63 | 10.5 | 333.0 | 1025 | 21.2 | 72 | 12.8 | 340.7 | 1033 | 19.8 | 95 | 15.6 | 346.4 | 1030 | 19.8 | 88 | 14.3 | 343.0 | 1028 | 900 |
| 925 | 21.3 | 70 | 12.1 | 336.1 | 788 | 22.4 | 81 | 15.1 | 345.6 | 794 | 21.2 | 97 | 16.8 | 348.7 | 792 | 21.3 | 84 | 14.6 | 343.0 | 791 | 925 |
| 950 | 23.2 | 68 | 12.9 | 338.0 | 555 | 23.6 | 89 | 17.4 | 350.7 | 561 | 23.2 | 96 | 18.4 | 352.9 | 559 | 22.7 | 80 | 14.9 | 342.8 | 558 | 950 |
| 975 | 25.6 | 62 | 13.2 | 338.9 | 327 | 25.6 | 83 | 17.8 | 351.6 | 332 | 24.8 | 91 | 18.8 | 353.4 | 331 | 24.2 | 78 | 15.3 | 343.1 | 330 | 975 |
| 1000 | 28.2 | 61 | 15.0 | 344.8 | 103 | 27.5 | 77 | 18.0 | 352.2 | 107 | 26.4 | 84 | 18.5 | 352.1 | 107 | 25.4 | 85 | 17.7 | 348.6 | 107 | 1000 |
| SFC. | 30.0 | 70 | 18.8 | 356.5 | 0 | 28.4 | 74 | 18.1 | 352.3 | 0 | 27.1 | 81 | 18.4 | 351.4 | 0 | 26.0 | 89 | 18.9 | 351.4 | 0 | SFC. |
| | SURFACE PRESSURE 1011.6 | | | | | SURFACE PRESSURE 1012.1 | | | | | SURFACE PRESSURE 1012.1 | | | | | SURFACE PRESSURE 1012.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

PALMYRA ISLAND

| P | 4/21 1930 GMT T | RH | W | EPT | H | 4/21 2231 GMT T | RH | W | EPT | H | T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.8 | 0 | 0.0 | 459.2 | 19595 | -67.3 | 0 | 0.0 | 460.2 | 19605 | 0.0 | | | | 0 | 60 |
| 70 | -65.0 | 0 | 0.0 | 445.4 | 18662 | -67.1 | 0 | 0.0 | 440.9 | 18676 | 0.0 | | | | 0 | 70 |
| 80 | -77.7 | 0 | 0.0 | 402.5 | 17857 | -70.7 | 0 | 0.0 | 416.9 | 17877 | 0.0 | | | | 0 | 80 |
| 90 | -77.6 | 20 | .0 | 389.5 | 17184 | -75.7 | 20 | .0 | 393.2 | 17194 | 0.0 | | | | 0 | 90 |
| 100 | -76.1 | 20 | .0 | 380.7 | 16578 | -75.0 | 20 | .0 | 382.9 | 16584 | 0.0 | | | | 0 | 100 |
| 110 | -75.5 | 20 | .0 | 371.5 | 16027 | -74.0 | 20 | .0 | 374.4 | 16029 | 0.0 | | | | 0 | 110 |
| 120 | -75.0 | 20 | .0 | 363.3 | 15523 | -73.1 | 20 | .0 | 366.8 | 15521 | 0.0 | | | | 0 | 120 |
| 130 | -72.9 | 20 | .0 | 358.9 | 15057 | -72.3 | 20 | .0 | 360.0 | 15051 | 0.0 | | | | 0 | 130 |
| 140 | -70.3 | 19 | .0 | 356.0 | 14619 | -71.6 | 20 | .0 | 353.7 | 14614 | 0.0 | | | | 0 | 140 |
| 150 | -67.8 | 19 | .0 | 353.3 | 14207 | -69.1 | 20 | .0 | 351.1 | 14205 | 0.0 | | | | 0 | 150 |
| 160 | -65.2 | 19 | .0 | 351.3 | 13816 | -65.7 | 21 | .0 | 350.5 | 13816 | 0.0 | | | | 0 | 160 |
| 170 | -62.3 | 19 | .0 | 350.1 | 13445 | -62.4 | 21 | .0 | 349.8 | 13445 | 0.0 | | | | 0 | 170 |
| 180 | -59.6 | 20 | .0 | 348.9 | 13089 | -59.4 | 21 | .0 | 349.1 | 13090 | 0.0 | | | | 0 | 180 |
| 190 | -57.0 | 20 | .0 | 347.7 | 12749 | -56.5 | 22 | .0 | 348.5 | 12749 | 0.0 | | | | 0 | 190 |
| 200 | -54.4 | 20 | .0 | 346.8 | 12423 | -53.8 | 22 | .0 | 347.7 | 12422 | 0.0 | | | | 0 | 200 |
| 225 | -48.3 | 20 | .0 | 344.7 | 11657 | -47.5 | 23 | .1 | 346.0 | 11654 | 0.0 | | | | 0 | 225 |
| 250 | -42.8 | 20 | .1 | 342.8 | 10955 | -41.7 | 24 | .1 | 344.6 | 10949 | 0.0 | | | | 0 | 250 |
| 275 | -37.0 | 21 | .1 | 342.2 | 10304 | -36.4 | 25 | .2 | 343.2 | 10295 | 0.0 | | | | 0 | 275 |
| 300 | -31.7 | 21 | .2 | 341.6 | 9695 | -31.5 | 26 | .2 | 341.9 | 9686 | 0.0 | | | | 0 | 300 |
| 325 | -26.8 | 22 | .3 | 340.9 | 9124 | -27.1 | 26 | .3 | 340.7 | 9114 | 0.0 | | | | 0 | 325 |
| 350 | -22.4 | 22 | .4 | 340.1 | 8584 | -23.1 | 30 | .5 | 339.6 | 8576 | 0.0 | | | | 0 | 350 |
| 375 | -19.0 | 24 | .5 | 338.5 | 8074 | -19.7 | 44 | .9 | 339.0 | 8067 | 0.0 | | | | 0 | 375 |
| 400 | -15.8 | 25 | .7 | 337.1 | 7590 | -17.0 | 43 | 1.1 | 336.9 | 7585 | 0.0 | | | | 0 | 400 |
| 425 | -13.4 | 31 | 1.0 | 335.4 | 7131 | -14.1 | 48 | 1.4 | 336.1 | 7127 | 0.0 | | | | 0 | 425 |
| 450 | -11.2 | 37 | 1.3 | 333.9 | 6694 | -11.3 | 52 | 1.9 | 335.5 | 6691 | 0.0 | | | | 0 | 450 |
| 475 | -8.9 | 35 | 1.4 | 332.0 | 6277 | -8.5 | 37 | 1.6 | 333.0 | 6274 | 0.0 | | | | 0 | 475 |
| 500 | -6.5 | 34 | 1.6 | 330.7 | 5878 | -5.7 | 18 | .9 | 329.4 | 5874 | 0.0 | | | | 0 | 500 |
| 525 | -4.2 | 33 | 1.8 | 329.5 | 5495 | -4.0 | 41 | 2.2 | 331.0 | 5490 | 0.0 | | | | 0 | 525 |
| 550 | -2.0 | 32 | 1.9 | 328.3 | 5127 | -1.4 | 32 | 2.0 | 329.3 | 5121 | 0.0 | | | | 0 | 550 |
| 575 | -.6 | 50 | 3.2 | 329.8 | 4773 | .7 | 33 | 2.3 | 328.7 | 4766 | 0.0 | | | | 0 | 575 |
| 600 | 1.9 | 47 | 3.4 | 329.5 | 4431 | 2.5 | 41 | 3.1 | 329.4 | 4423 | 0.0 | | | | 0 | 600 |
| 625 | 4.2 | 44 | 3.7 | 329.2 | 4100 | 4.2 | 49 | 4.0 | 330.3 | 4091 | 0.0 | | | | 0 | 625 |
| 650 | 6.5 | 41 | 3.9 | 328.7 | 3779 | 5.9 | 56 | 5.0 | 331.4 | 3771 | 0.0 | | | | 0 | 650 |
| 675 | 8.6 | 39 | 4.1 | 328.4 | 3468 | 7.5 | 62 | 6.0 | 332.8 | 3460 | 0.0 | | | | 0 | 675 |
| 700 | 10.0 | 43 | 4.8 | 328.7 | 3166 | 9.6 | 41 | 4.4 | 327.0 | 3160 | 0.0 | | | | 0 | 700 |
| 725 | 11.4 | 47 | 5.5 | 329.1 | 2874 | 11.5 | 47 | 5.4 | 329.0 | 2867 | 0.0 | | | | 0 | 725 |
| 750 | 12.8 | 51 | 6.3 | 329.7 | 2589 | 13.3 | 52 | 6.6 | 331.4 | 2583 | 0.0 | | | | 0 | 750 |
| 775 | 14.1 | 54 | 7.1 | 330.4 | 2313 | 15.0 | 57 | 7.9 | 334.0 | 2305 | 0.0 | | | | 0 | 775 |
| 800 | 15.3 | 58 | 7.9 | 331.3 | 2044 | 16.7 | 62 | 9.3 | 336.9 | 2035 | 0.0 | | | | 0 | 800 |
| 825 | 16.5 | 61 | 8.8 | 332.2 | 1782 | 17.6 | 60 | 9.3 | 334.9 | 1772 | 0.0 | | | | 0 | 825 |
| 850 | 17.7 | 64 | 9.7 | 333.3 | 1527 | 18.3 | 57 | 9.0 | 332.0 | 1516 | 0.0 | | | | 0 | 850 |
| 875 | 18.9 | 67 | 10.6 | 334.4 | 1278 | 19.4 | 63 | 10.3 | 334.3 | 1267 | 0.0 | | | | 0 | 875 |
| 900 | 20.0 | 70 | 11.5 | 335.6 | 1035 | 20.5 | 69 | 11.7 | 336.8 | 1023 | 0.0 | | | | 0 | 900 |
| 925 | 21.8 | 67 | 11.9 | 336.1 | 797 | 21.5 | 75 | 13.2 | 339.3 | 786 | 0.0 | | | | 0 | 925 |
| 950 | 23.5 | 64 | 12.3 | 336.6 | 565 | 22.8 | 77 | 14.2 | 341.0 | 553 | 0.0 | | | | 0 | 950 |
| 975 | 25.1 | 61 | 12.6 | 336.9 | 337 | 24.6 | 68 | 13.7 | 339.2 | 325 | 0.0 | | | | 0 | 975 |
| 1000 | 27.0 | 66 | 15.0 | 343.2 | 113 | 27.3 | 68 | 15.7 | 345.6 | 102 | 0.0 | | | | 0 | 1000 |
| SFC. | 28.3 | 77 | 18.7 | 353.9 | 0 | 29.0 | 72 | 18.3 | 353.6 | 0 | 0.0 | | | | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1012.8 | SURFACE PRESSURE | | | | 1011.5 | SURFACE PRESSURE | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/ 2 1220 GMT | | | | | 3/ 3 7 0 GMT | | | | | 3/ 3 1235 GMT | | | | | 3/ 3 1510 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.9 | 0 | 0.0 | 458.9 | 19486 | -68.8 | 0 | 0.0 | 456.9 | 19424 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.7 | 17 | .0 | 433.2 | 18560 | -72.1 | 0 | 0.0 | 430.2 | 18493 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.5 | 18 | .0 | 407.0 | 17777 | -76.2 | 0 | 0.0 | 405.6 | 17710 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -82.3 | 18 | .0 | 380.0 | 17103 | -80.7 | 0 | 0.0 | 383.2 | 17043 | 90 |
| 100 | -80.5 | 20 | .0 | 372.2 | 16478 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.3 | 18 | .0 | 376.5 | 16508 | -77.5 | 0 | 0.0 | 378.0 | 16444 | 100 |
| 110 | -76.9 | 19 | .0 | 369.0 | 15936 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.7 | 18 | .0 | 371.3 | 15960 | -76.6 | 0 | 0.0 | 369.5 | 15897 | 110 |
| 120 | -72.0 | 18 | .0 | 368.9 | 15430 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.4 | 18 | .0 | 364.4 | 15457 | -75.6 | 0 | 0.0 | 362.3 | 15395 | 120 |
| 130 | -70.7 | 17 | .0 | 363.0 | 14957 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.8 | 17 | .0 | 360.9 | 14988 | -72.5 | 0 | 0.0 | 359.7 | 14928 | 130 |
| 140 | -69.4 | 17 | .0 | 357.5 | 14516 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.4 | 17 | .0 | 357.5 | 14548 | -69.6 | 0 | 0.0 | 357.1 | 14489 | 140 |
| 150 | -67.9 | 16 | .0 | 353.1 | 14103 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.9 | 17 | .0 | 354.9 | 14134 | -67.0 | 0 | 0.0 | 354.7 | 14076 | 150 |
| 160 | -65.3 | 16 | .0 | 351.1 | 13713 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.4 | 17 | .0 | 352.6 | 13742 | -64.5 | 0 | 0.0 | 352.5 | 13683 | 160 |
| 170 | -65.6 | 16 | .0 | 344.6 | 13344 | -59.6 | 10 | .0 | 354.5 | 13377 | -61.5 | 17 | .0 | 351.5 | 13369 | -62.0 | 15 | .0 | 350.6 | 13311 | 170 |
| 180 | -63.1 | 18 | .0 | 343.0 | 12995 | -57.8 | 11 | .0 | 351.8 | 13018 | -58.1 | 16 | .0 | 351.2 | 13012 | -59.1 | 15 | .0 | 349.6 | 12955 | 180 |
| 190 | -59.7 | 17 | .0 | 343.3 | 12659 | -56.0 | 0 | 0.0 | 349.3 | 12676 | -56.8 | 16 | .0 | 348.0 | 12671 | -56.4 | 15 | .0 | 348.7 | 12614 | 190 |
| 200 | -56.5 | 17 | .0 | 343.5 | 12336 | -53.5 | 0 | 0.0 | 348.0 | 12347 | -54.4 | 16 | .0 | 346.7 | 12344 | -53.8 | 15 | .0 | 347.8 | 12286 | 200 |
| 225 | -49.0 | 15 | .0 | 343.6 | 11576 | -47.9 | 0 | 0.0 | 345.1 | 11580 | -48.5 | 15 | .0 | 344.4 | 11578 | -47.9 | 15 | .0 | 345.3 | 11519 | 225 |
| 250 | -43.1 | 16 | .1 | 342.3 | 10875 | -43.0 | 10 | .0 | 342.2 | 10877 | -43.1 | 14 | .0 | 342.2 | 10877 | -44.1 | 18 | .1 | 340.7 | 10819 | 250 |
| 275 | -38.0 | 16 | .1 | 340.6 | 10225 | -39.4 | 10 | .0 | 338.4 | 10230 | -38.0 | 13 | .1 | 340.6 | 10228 | -39.1 | 15 | .1 | 338.9 | 10173 | 275 |
| 300 | -33.4 | 17 | .1 | 338.9 | 9620 | -34.1 | 10 | .1 | 337.6 | 9628 | -33.5 | 13 | .1 | 338.6 | 9623 | -34.5 | 12 | .1 | 337.1 | 9570 | 300 |
| 325 | -31.4 | 30 | .3 | 334.4 | 9056 | -29.3 | 10 | .1 | 336.8 | 9062 | -29.6 | 14 | .1 | 336.5 | 9057 | -30.3 | 11 | .1 | 335.4 | 9006 | 325 |
| 350 | -26.4 | 19 | .2 | 334.2 | 8526 | -25.1 | 10 | .1 | 335.6 | 8528 | -25.5 | 15 | .2 | 335.3 | 8524 | -26.2 | 12 | .2 | 334.1 | 8474 | 350 |
| 375 | -22.0 | 17 | .3 | 333.6 | 8023 | -21.4 | 12 | .2 | 334.2 | 8022 | -22.1 | 22 | .4 | 333.8 | 8020 | -22.3 | 13 | .2 | 332.9 | 7971 | 375 |
| 400 | -18.1 | 17 | .4 | 333.0 | 7544 | -18.9 | 39 | .8 | 333.5 | 7544 | -18.3 | 20 | .5 | 332.9 | 7541 | -18.7 | 15 | .3 | 331.9 | 7494 | 400 |
| 425 | -15.0 | 15 | .4 | 331.3 | 7089 | -15.1 | 43 | 1.2 | 333.8 | 7089 | -15.1 | 20 | .6 | 331.7 | 7086 | -16.8 | 30 | .7 | 330.2 | 7040 | 425 |
| 450 | -12.2 | 13 | .4 | 329.6 | 6654 | -11.5 | 46 | 1.6 | 334.4 | 6654 | -12.1 | 32 | 1.1 | 331.9 | 6651 | -13.6 | 30 | .9 | 329.3 | 6608 | 450 |
| 475 | -10.0 | 22 | .8 | 328.6 | 6239 | -10.0 | 51 | 1.9 | 332.2 | 6239 | -8.7 | 25 | 1.1 | 331.0 | 6235 | -10.4 | 27 | 1.0 | 328.6 | 6195 | 475 |
| 500 | -7.6 | 38 | 1.7 | 329.5 | 5842 | -6.9 | 30 | 1.3 | 329.4 | 5841 | -6.5 | 20 | .9 | 328.5 | 5836 | -7.5 | 25 | 1.1 | 327.7 | 5797 | 500 |
| 525 | -5.2 | 41 | 2.0 | 329.1 | 5460 | -4.0 | 13 | .7 | 326.1 | 5458 | -4.2 | 41 | 2.2 | 330.8 | 5453 | -5.5 | 29 | 1.4 | 326.7 | 5416 | 525 |
| 550 | -2.6 | 50 | 2.9 | 330.7 | 5093 | -1.8 | 68 | 4.2 | 335.5 | 5089 | -2.8 | 49 | 2.8 | 330.1 | 5085 | -3.8 | 51 | 2.7 | 328.6 | 5050 | 550 |
| 575 | -.0 | 59 | 3.9 | 332.7 | 4738 | .5 | 57 | 4.0 | 333.6 | 4733 | -1.4 | 71 | 4.3 | 332.2 | 4731 | -2.2 | 75 | 4.2 | 331.0 | 4697 | 575 |
| 600 | 2.4 | 67 | 5.1 | 335.3 | 4395 | 2.1 | 63 | 4.6 | 333.4 | 4390 | 1.6 | 68 | 4.9 | 333.6 | 4390 | -.3 | 75 | 4.7 | 330.6 | 4357 | 600 |
| 625 | 4.4 | 74 | 6.2 | 337.1 | 4063 | 4.0 | 69 | 5.6 | 334.8 | 4060 | 4.2 | 73 | 6.0 | 336.2 | 4059 | 1.7 | 78 | 5.4 | 331.4 | 4029 | 625 |
| 650 | 6.0 | 79 | 7.1 | 337.8 | 3742 | 5.8 | 63 | 5.6 | 333.2 | 3738 | 5.8 | 97 | 8.7 | 342.2 | 3738 | 3.7 | 84 | 6.5 | 333.1 | 3711 | 650 |
| 675 | 7.5 | 83 | 8.0 | 338.7 | 3432 | 7.1 | 70 | 6.5 | 333.8 | 3428 | 6.5 | 78 | 7.0 | 334.6 | 3428 | 5.7 | 80 | 6.8 | 332.9 | 3403 | 675 |
| 700 | 9.5 | 82 | 8.7 | 339.7 | 3130 | 8.4 | 76 | 7.5 | 334.6 | 3128 | 9.1 | 71 | 7.3 | 335.1 | 3127 | 7.6 | 67 | 6.3 | 330.2 | 3104 | 700 |
| 725 | 11.8 | 76 | 9.2 | 340.5 | 2837 | 10.7 | 68 | 7.6 | 334.5 | 2836 | 11.5 | 64 | 7.5 | 335.2 | 2835 | 9.6 | 64 | 6.6 | 330.2 | 2813 | 725 |
| 750 | 12.4 | 87 | 10.6 | 341.6 | 2552 | 13.1 | 60 | 7.6 | 334.0 | 2552 | 13.3 | 62 | 8.0 | 335.5 | 2550 | 11.6 | 68 | 7.8 | 332.8 | 2530 | 750 |
| 775 | 13.1 | 93 | 11.4 | 341.6 | 2276 | 15.1 | 55 | 7.7 | 333.4 | 2274 | 14.5 | 67 | 9.0 | 336.5 | 2272 | 13.6 | 57 | 7.2 | 330.2 | 2254 | 775 |
| 800 | 14.4 | 86 | 11.2 | 339.6 | 2007 | 15.8 | 61 | 8.6 | 334.0 | 2005 | 15.6 | 72 | 10.0 | 337.5 | 2003 | 14.6 | 63 | 8.2 | 331.3 | 1986 | 800 |
| 825 | 15.6 | 95 | 12.9 | 342.8 | 1746 | 16.5 | 67 | 9.6 | 334.6 | 1743 | 16.6 | 76 | 11.0 | 338.6 | 1741 | 15.5 | 69 | 9.3 | 332.5 | 1725 | 825 |
| 850 | 16.9 | 92 | 13.2 | 342.0 | 1491 | 17.8 | 66 | 10.1 | 334.6 | 1487 | 17.5 | 72 | 10.8 | 336.1 | 1485 | 16.5 | 63 | 8.7 | 329.2 | 1471 | 850 |
| 875 | 18.0 | 89 | 13.4 | 341.1 | 1242 | 19.5 | 62 | 10.2 | 334.1 | 1238 | 18.7 | 76 | 11.9 | 337.7 | 1237 | 17.6 | 67 | 9.8 | 330.7 | 1223 | 875 |
| 900 | 19.2 | 87 | 13.7 | 340.8 | 999 | 21.2 | 58 | 10.2 | 333.5 | 994 | 19.9 | 80 | 13.1 | 339.8 | 993 | 18.7 | 74 | 11.3 | 333.3 | 981 | 900 |
| 925 | 20.7 | 89 | 15.0 | 343.2 | 762 | 22.2 | 61 | 11.1 | 334.5 | 756 | 21.2 | 83 | 14.3 | 342.0 | 756 | 19.8 | 81 | 12.8 | 336.1 | 745 | 925 |
| 950 | 22.2 | 90 | 16.3 | 345.8 | 530 | 22.6 | 71 | 12.9 | 337.2 | 524 | 22.4 | 86 | 15.6 | 344.4 | 523 | 21.0 | 87 | 14.4 | 339.1 | 514 | 950 |
| 975 | 23.6 | 92 | 17.6 | 348.6 | 302 | 23.3 | 92 | 17.3 | 347.3 | 297 | 23.6 | 89 | 17.0 | 346.8 | 296 | 22.1 | 92 | 16.0 | 342.4 | 287 | 975 |
| 1000 | 25.0 | 93 | 19.0 | 351.5 | 79 | 25.0 | 88 | 17.8 | 348.3 | 74 | 24.7 | 92 | 18.4 | 349.4 | 73 | 23.8 | 92 | 17.3 | 345.4 | 66 | 1000 |
| SFC. | 25.5 | 94 | 19.5 | 352.6 | 0 | 25.5 | 87 | 18.0 | 348.6 | 0 | 25.1 | 93 | 18.8 | 350.3 | 0 | 24.4 | 91 | 17.7 | 346.3 | 0 | SFC. |
| | SURFACE PRESSURE 1009.0 | | | | | SURFACE PRESSURE 1008.4 | | | | | SURFACE PRESSURE 1008.3 | | | | | SURFACE PRESSURE 1007.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/ 3 18 0 GMT | | | | | 3/ 3 2055 GMT | | | | | 3/ 4 1 0 GMT | | | | | 3/ 4 315 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.7 | 14 | .0 | 463.9 | 19512 | -67.9 | 0 | 0.0 | 458.9 | 19529 | -66.8 | 15 | .0 | 461.5 | 19573 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -67.1 | 15 | .0 | 440.9 | 18585 | -66.4 | 14 | .0 | 442.4 | 18606 | -66.3 | 15 | .0 | 442.6 | 18637 | -66.4 | 17 | .0 | 442.5 | 18588 | 70 |
| 80 | -73.9 | 15 | .0 | 410.3 | 17795 | -74.0 | 15 | .0 | 410.2 | 17812 | -71.7 | 15 | .0 | 415.0 | 17832 | -75.0 | 17 | .0 | 408.1 | 17793 | 80 |
| 90 | -78.9 | 15 | .0 | 386.7 | 17119 | -78.0 | 15 | .0 | 388.5 | 17135 | -79.6 | 15 | .0 | 385.3 | 17151 | -80.8 | 17 | .0 | 383.0 | 17123 | 90 |
| 100 | -76.0 | 15 | .0 | 380.9 | 16515 | -76.0 | 14 | .0 | 380.9 | 16530 | -80.5 | 15 | .0 | 372.2 | 16553 | -81.2 | 17 | .0 | 370.9 | 16530 | 100 |
| 110 | -77.2 | 15 | .0 | 368.4 | 15968 | -77.4 | 14 | .0 | 368.0 | 15985 | -78.6 | 15 | .0 | 365.9 | 16012 | -78.4 | 17 | .0 | 366.1 | 15990 | 110 |
| 120 | -73.3 | 15 | .0 | 366.5 | 15463 | -74.9 | 14 | .0 | 363.5 | 15483 | -76.0 | 15 | .0 | 361.6 | 15514 | -75.5 | 17 | .0 | 362.5 | 15491 | 120 |
| 130 | -70.9 | 15 | .0 | 362.6 | 14992 | -72.6 | 14 | .0 | 359.5 | 15016 | -71.9 | 15 | .0 | 360.7 | 15047 | -72.2 | 17 | .0 | 360.1 | 15024 | 130 |
| 140 | -68.8 | 15 | .0 | 358.6 | 14551 | -69.5 | 14 | .0 | 357.5 | 14577 | -68.5 | 15 | .0 | 359.2 | 14606 | -69.2 | 17 | .0 | 357.9 | 14584 | 140 |
| 150 | -66.9 | 15 | .0 | 354.8 | 14136 | -66.6 | 13 | .0 | 355.5 | 14163 | -66.2 | 15 | .0 | 356.1 | 14190 | -66.4 | 17 | .0 | 355.8 | 14169 | 150 |
| 160 | -64.8 | 15 | .0 | 351.9 | 13744 | -63.9 | 13 | .0 | 353.5 | 13770 | -63.9 | 15 | .0 | 353.5 | 13797 | -63.5 | 17 | .0 | 354.2 | 13776 | 160 |
| 170 | -61.7 | 14 | .0 | 351.1 | 13372 | -61.2 | 13 | .0 | 351.9 | 13396 | -60.8 | 15 | .0 | 352.6 | 13423 | -60.5 | 17 | .0 | 353.0 | 13401 | 170 |
| 180 | -58.7 | 14 | .0 | 350.3 | 13015 | -58.2 | 13 | .0 | 351.0 | 13039 | -57.9 | 15 | .0 | 351.6 | 13065 | -57.8 | 16 | .0 | 351.8 | 13043 | 180 |
| 190 | -55.8 | 13 | .0 | 349.5 | 12673 | -55.4 | 13 | .0 | 350.2 | 12696 | -55.2 | 15 | .0 | 350.6 | 12722 | -55.2 | 16 | .0 | 350.6 | 12700 | 190 |
| 200 | -53.2 | 13 | .0 | 348.7 | 12345 | -52.8 | 13 | .0 | 349.3 | 12367 | -52.5 | 15 | .0 | 349.7 | 12393 | -52.7 | 16 | .0 | 349.5 | 12370 | 200 |
| 225 | -47.3 | 13 | .0 | 346.2 | 11576 | -46.7 | 12 | .0 | 347.1 | 11596 | -46.5 | 14 | .0 | 347.4 | 11621 | -47.0 | 15 | .0 | 346.7 | 11600 | 225 |
| 250 | -42.0 | 12 | .0 | 343.9 | 10871 | -41.2 | 12 | .1 | 345.0 | 10889 | -41.2 | 14 | .1 | 345.1 | 10914 | -41.4 | 15 | .1 | 344.9 | 10894 | 250 |
| 275 | -37.6 | 12 | .1 | 341.1 | 10219 | -37.3 | 12 | .1 | 341.5 | 10235 | -36.3 | 13 | .1 | 343.0 | 10259 | -36.3 | 14 | .1 | 343.0 | 10240 | 275 |
| 300 | -33.4 | 12 | .1 | 338.7 | 9614 | -33.0 | 12 | .1 | 339.3 | 9629 | -32.2 | 13 | .1 | 340.4 | 9651 | -32.8 | 14 | .1 | 339.7 | 9631 | 300 |
| 325 | -29.3 | 12 | .1 | 336.9 | 9047 | -28.7 | 12 | .1 | 337.7 | 9061 | -27.2 | 12 | .2 | 339.8 | 9080 | -27.5 | 14 | .2 | 339.4 | 9062 | 325 |
| 350 | -25.4 | 12 | .2 | 335.1 | 8513 | -24.7 | 13 | .2 | 336.2 | 8526 | -22.6 | 12 | .2 | 339.2 | 8542 | -22.5 | 14 | .2 | 339.4 | 8524 | 350 |
| 375 | -21.8 | 14 | .3 | 333.7 | 8009 | -21.0 | 13 | .2 | 334.8 | 8020 | -19.6 | 12 | .3 | 336.7 | 8032 | -20.2 | 14 | .3 | 336.0 | 8014 | 375 |
| 400 | -18.4 | 18 | .4 | 332.6 | 7531 | -17.5 | 13 | .3 | 333.5 | 7540 | -15.8 | 12 | .3 | 335.8 | 7550 | -16.1 | 13 | .4 | 335.5 | 7532 | 400 |
| 425 | -16.3 | 19 | .5 | 329.9 | 7076 | -14.0 | 11 | .3 | 332.4 | 7083 | -13.0 | 13 | .4 | 333.9 | 7090 | -13.6 | 15 | .5 | 333.4 | 7074 | 425 |
| 450 | -12.7 | 20 | .6 | 329.6 | 6643 | -12.6 | 14 | .4 | 329.0 | 6648 | -10.5 | 12 | .5 | 331.8 | 6652 | -10.6 | 16 | .6 | 332.2 | 6637 | 450 |
| 475 | -9.4 | 21 | .8 | 329.4 | 6228 | -9.4 | 14 | .5 | 328.4 | 6233 | -8.2 | 13 | .5 | 329.9 | 6234 | -7.7 | 16 | .7 | 331.2 | 6218 | 475 |
| 500 | -6.3 | 23 | 1.1 | 329.3 | 5829 | -6.1 | 14 | .7 | 328.0 | 5834 | -6.2 | 13 | .6 | 327.8 | 5835 | -6.7 | 14 | .6 | 327.2 | 5819 | 500 |
| 525 | -3.6 | 27 | 1.5 | 329.3 | 5446 | -3.6 | 20 | 1.1 | 328.2 | 5450 | -3.5 | 15 | .8 | 327.2 | 5451 | -4.6 | 16 | .8 | 325.8 | 5437 | 525 |
| 550 | -2.0 | 32 | 1.9 | 328.3 | 5077 | -2.2 | 39 | 2.3 | 329.2 | 5082 | -1.1 | 22 | 1.4 | 327.7 | 5082 | -1.9 | 23 | 1.4 | 326.6 | 5069 | 550 |
| 575 | -1.1 | 50 | 3.1 | 328.8 | 4723 | -.5 | 37 | 2.4 | 327.4 | 4727 | 1.3 | 25 | 1.9 | 327.9 | 4726 | .1 | 44 | 2.9 | 329.9 | 4714 | 575 |
| 600 | 1.1 | 54 | 3.8 | 329.6 | 4381 | 1.6 | 37 | 2.6 | 326.7 | 4386 | 3.7 | 24 | 2.0 | 327.2 | 4382 | 2.6 | 40 | 3.1 | 329.2 | 4371 | 600 |
| 625 | 3.3 | 57 | 4.4 | 330.4 | 4051 | 4.0 | 32 | 2.6 | 325.7 | 4055 | 6.1 | 22 | 2.1 | 326.5 | 4049 | 4.8 | 40 | 3.4 | 329.3 | 4040 | 625 |
| 650 | 5.5 | 59 | 5.2 | 331.5 | 3732 | 6.3 | 35 | 3.3 | 326.7 | 3735 | 8.3 | 21 | 2.2 | 325.9 | 3727 | 7.0 | 44 | 4.2 | 330.4 | 3718 | 650 |
| 675 | 7.5 | 62 | 6.0 | 332.7 | 3421 | 8.5 | 39 | 4.0 | 328.0 | 3424 | 10.1 | 31 | 3.5 | 328.4 | 3414 | 9.0 | 47 | 5.0 | 331.8 | 3407 | 675 |
| 700 | 9.5 | 64 | 6.8 | 334.1 | 3120 | 10.6 | 44 | 5.0 | 329.9 | 3122 | 11.8 | 40 | 4.9 | 331.3 | 3111 | 10.8 | 57 | 6.6 | 335.0 | 3104 | 700 |
| 725 | 11.4 | 52 | 6.0 | 330.6 | 2828 | 12.5 | 48 | 6.1 | 332.1 | 2829 | 13.6 | 41 | 5.6 | 331.9 | 2816 | 12.8 | 52 | 6.6 | 334.1 | 2810 | 725 |
| 750 | 12.8 | 60 | 7.4 | 333.2 | 2543 | 14.0 | 42 | 5.6 | 329.3 | 2543 | 15.3 | 39 | 5.7 | 331.0 | 2530 | 14.7 | 47 | 6.6 | 333.1 | 2524 | 750 |
| 775 | 14.6 | 51 | 6.9 | 330.8 | 2267 | 15.0 | 40 | 5.5 | 326.9 | 2266 | 16.3 | 39 | 5.9 | 329.8 | 2251 | 15.8 | 48 | 7.1 | 332.6 | 2246 | 775 |
| 800 | 14.2 | 59 | 7.5 | 328.7 | 1998 | 15.9 | 44 | 6.2 | 327.0 | 1997 | 16.8 | 48 | 7.2 | 331.1 | 1981 | 16.4 | 54 | 7.9 | 332.5 | 1976 | 800 |
| 825 | 15.6 | 61 | 8.2 | 329.4 | 1737 | 16.7 | 48 | 6.9 | 327.1 | 1735 | 17.2 | 60 | 8.9 | 333.5 | 1718 | 16.8 | 72 | 10.6 | 337.6 | 1713 | 825 |
| 850 | 16.8 | 63 | 9.0 | 330.2 | 1483 | 16.9 | 60 | 8.6 | 329.3 | 1480 | 18.0 | 64 | 9.8 | 334.0 | 1462 | 18.1 | 61 | 9.5 | 333.1 | 1458 | 850 |
| 875 | 18.1 | 79 | 11.8 | 336.9 | 1235 | 17.5 | 69 | 10.0 | 331.1 | 1233 | 19.9 | 48 | 8.1 | 328.7 | 1213 | 19.1 | 56 | 8.9 | 330.0 | 1208 | 875 |
| 900 | 19.8 | 74 | 12.0 | 336.7 | 992 | 19.3 | 67 | 10.5 | 331.9 | 991 | 21.3 | 54 | 9.5 | 331.5 | 969 | 19.1 | 73 | 11.3 | 333.9 | 966 | 900 |
| 925 | 21.4 | 72 | 12.5 | 337.2 | 755 | 21.1 | 64 | 11.0 | 332.7 | 754 | 22.5 | 62 | 11.6 | 336.3 | 731 | 20.0 | 83 | 13.4 | 337.8 | 729 | 925 |
| 950 | 22.8 | 75 | 14.0 | 340.4 | 522 | 22.8 | 62 | 11.4 | 333.4 | 522 | 23.7 | 71 | 13.9 | 341.4 | 498 | 22.2 | 81 | 14.5 | 341.1 | 498 | 950 |
| 975 | 24.3 | 79 | 15.6 | 343.9 | 295 | 24.5 | 59 | 11.9 | 334.0 | 294 | 25.9 | 60 | 13.0 | 338.9 | 270 | 24.5 | 73 | 14.7 | 341.8 | 270 | 975 |
| 1000 | 25.7 | 82 | 17.2 | 347.6 | 71 | 27.7 | 66 | 15.7 | 346.0 | 71 | 27.7 | 71 | 16.8 | 349.0 | 45 | 26.7 | 64 | 14.4 | 341.1 | 47 | 1000 |
| SFC. | 26.1 | 83 | 17.8 | 348.9 | 0 | 29.7 | 73 | 19.4 | 358.1 | 0 | 27.9 | 80 | 19.2 | 355.4 | 0 | 27.2 | 62 | 14.2 | 340.6 | 0 | SFC. |
| | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1005.1 | | | | | SURFACE PRESSURE 1005.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/ 4 6 0 GMT T | RH | W | EPT | H | 3/ 4 840 GMT T | RH | W | EPT | H | 3/ 4 1145 GMT T | RH | W | EPT | H | 3/ 4 18 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.8 | 13 | .0 | 461.5 | 19491 | -68.4 | 15 | .0 | 457.8 | 19447 | -65.2 | 0 | 0.0 | 465.0 | 19526 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.0 | 12 | .0 | 434.6 | 18564 | -70.1 | 15 | .0 | 434.5 | 18528 | -69.8 | 19 | .0 | 435.2 | 18593 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.8 | 13 | .0 | 416.7 | 17769 | -74.6 | 15 | .0 | 408.9 | 17739 | -77.4 | 19 | .0 | 403.1 | 17813 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.2 | 14 | .0 | 384.1 | 17090 | -80.4 | 15 | .0 | 383.8 | 17061 | -80.9 | 19 | .0 | 382.8 | 17146 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.4 | 13 | .0 | 370.5 | 16497 | -82.5 | 15 | .0 | 368.4 | 16470 | -82.0 | 19 | .0 | 369.3 | 16555 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.9 | 13 | .0 | 365.3 | 15958 | -80.3 | 15 | .0 | 362.6 | 15935 | -78.6 | 19 | .0 | 365.7 | 16016 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 12 | .0 | 360.5 | 15460 | -78.3 | 14 | .0 | 357.4 | 15441 | -75.6 | 19 | .0 | 362.4 | 15517 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.8 | 12 | .0 | 357.4 | 14996 | -75.0 | 14 | .0 | 355.1 | 14980 | -72.7 | 19 | .0 | 359.3 | 15050 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.5 | 12 | .0 | 355.6 | 14560 | -71.7 | 14 | .0 | 353.5 | 14547 | -70.1 | 19 | .0 | 356.3 | 14612 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.5 | 12 | .0 | 353.8 | 14148 | -68.6 | 14 | .0 | 352.0 | 14136 | -67.0 | 19 | .0 | 354.8 | 14199 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.7 | 12 | .0 | 352.2 | 13756 | -65.6 | 14 | .0 | 350.5 | 13747 | -63.9 | 18 | .0 | 353.5 | 13807 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.0 | 12 | .0 | 350.5 | 13384 | -62.9 | 14 | .0 | 349.0 | 13376 | -61.0 | 18 | .0 | 352.2 | 13433 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.5 | 12 | .0 | 349.0 | 13028 | -60.2 | 14 | .0 | 347.9 | 13022 | -58.1 | 18 | .0 | 351.2 | 13075 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.8 | 12 | .0 | 348.0 | 12688 | -57.4 | 13 | .0 | 347.0 | 12683 | -55.3 | 18 | .0 | 350.4 | 12732 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.2 | 11 | .0 | 347.0 | 12361 | -54.8 | 13 | .0 | 346.1 | 12357 | -52.6 | 17 | .0 | 349.6 | 12403 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.3 | 11 | .0 | 344.6 | 11595 | -48.7 | 12 | .0 | 344.0 | 11593 | -46.4 | 17 | .0 | 347.6 | 11631 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.7 | 10 | .0 | 342.7 | 10893 | -42.9 | 11 | .0 | 342.5 | 10891 | -41.3 | 16 | .1 | 345.0 | 10923 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.7 | 10 | .1 | 342.3 | 10242 | -37.6 | 11 | .1 | 340.9 | 10241 | -36.5 | 16 | .1 | 342.8 | 10271 | 275 |
| 300 | -33.1 | 15 | .1 | 339.2 | 9607 | -31.2 | 10 | .1 | 341.8 | 9632 | -32.9 | 10 | .1 | 339.4 | 9635 | -31.1 | 15 | .1 | 342.2 | 9661 | 300 |
| 325 | -28.2 | 15 | .2 | 338.5 | 9039 | -27.9 | 10 | .1 | 338.7 | 9061 | -28.3 | 10 | .1 | 338.2 | 9067 | -26.1 | 15 | .2 | 341.6 | 9087 | 325 |
| 350 | -23.7 | 14 | .2 | 337.7 | 8502 | -23.2 | 10 | .2 | 338.2 | 8524 | -23.3 | 10 | .2 | 338.1 | 8530 | -21.4 | 14 | .3 | 341.0 | 8546 | 350 |
| 375 | -19.8 | 14 | .3 | 336.6 | 7994 | -18.8 | 10 | .2 | 337.7 | 8014 | -18.9 | 10 | .2 | 337.6 | 8020 | -18.2 | 15 | .4 | 339.0 | 8034 | 375 |
| 400 | -17.9 | 14 | .3 | 333.0 | 7513 | -16.8 | 10 | .3 | 334.2 | 7531 | -16.5 | 11 | .3 | 334.7 | 7537 | -15.6 | 17 | .5 | 336.6 | 7549 | 400 |
| 425 | -15.0 | 15 | .4 | 331.3 | 7057 | -15.6 | 10 | .3 | 329.9 | 7075 | -14.9 | 10 | .3 | 331.0 | 7080 | -13.1 | 35 | 1.2 | 336.4 | 7090 | 425 |
| 450 | -12.3 | 16 | .5 | 329.7 | 6623 | -11.9 | 10 | .3 | 329.5 | 6641 | -13.1 | 13 | .4 | 328.3 | 6647 | -11.8 | 19 | .7 | 330.8 | 6653 | 450 |
| 475 | -9.8 | 16 | .6 | 328.2 | 6208 | -8.3 | 10 | .4 | 329.3 | 6225 | -9.3 | 14 | .6 | 328.5 | 6232 | -9.1 | 17 | .7 | 329.2 | 6237 | 475 |
| 500 | -7.5 | 17 | .7 | 326.6 | 5810 | -5.4 | 10 | .5 | 328.4 | 5824 | -5.6 | 11 | .5 | 328.3 | 5833 | -6.3 | 22 | 1.0 | 329.1 | 5838 | 500 |
| 525 | -5.6 | 16 | .8 | 324.5 | 5429 | -3.5 | 10 | .6 | 326.3 | 5440 | -3.9 | 14 | .8 | 326.6 | 5449 | -3.6 | 26 | 1.5 | 329.2 | 5454 | 525 |
| 550 | -3.3 | 23 | 1.3 | 324.6 | 5063 | -1.8 | 10 | .6 | 324.1 | 5071 | -2.8 | 20 | 1.1 | 324.7 | 5081 | -1.9 | 53 | 3.2 | 332.6 | 5085 | 550 |
| 575 | -1.0 | 32 | 2.0 | 325.6 | 4709 | -.6 | 28 | 1.8 | 325.4 | 4717 | -1.0 | 52 | 3.2 | 329.5 | 4728 | -.8 | 82 | 5.1 | 335.4 | 4731 | 575 |
| 600 | 1.3 | 41 | 2.9 | 327.0 | 4368 | 1.7 | 26 | 1.9 | 324.5 | 4376 | 1.2 | 69 | 4.8 | 333.0 | 4386 | 1.4 | 88 | 6.2 | 337.2 | 4389 | 600 |
| 625 | 3.4 | 51 | 4.0 | 329.1 | 4038 | 4.1 | 31 | 2.5 | 325.6 | 4045 | 3.5 | 70 | 5.5 | 333.9 | 4056 | 3.6 | 80 | 6.3 | 336.4 | 4058 | 625 |
| 650 | 5.5 | 59 | 5.2 | 331.6 | 3718 | 5.6 | 76 | 6.7 | 336.1 | 3725 | 5.7 | 71 | 6.2 | 334.9 | 3736 | 5.5 | 74 | 6.5 | 335.6 | 3738 | 650 |
| 675 | 7.1 | 66 | 6.2 | 333.0 | 3408 | 7.4 | 77 | 7.4 | 336.7 | 3415 | 7.5 | 66 | 6.4 | 334.0 | 3426 | 7.9 | 66 | 6.5 | 334.8 | 3427 | 675 |
| 700 | 8.7 | 73 | 7.4 | 334.7 | 3108 | 9.3 | 79 | 8.3 | 338.2 | 3113 | 9.4 | 62 | 6.5 | 333.1 | 3124 | 9.8 | 64 | 6.9 | 334.9 | 3125 | 700 |
| 725 | 10.7 | 65 | 7.3 | 333.5 | 2816 | 9.3 | 62 | 6.3 | 329.0 | 2822 | 11.1 | 72 | 8.3 | 337.1 | 2832 | 11.1 | 71 | 8.1 | 336.3 | 2833 | 725 |
| 750 | 12.6 | 58 | 7.1 | 332.0 | 2532 | 10.3 | 86 | 9.1 | 334.9 | 2540 | 12.5 | 60 | 7.3 | 332.3 | 2547 | 12.9 | 59 | 7.4 | 333.1 | 2548 | 750 |
| 775 | 13.4 | 62 | 7.8 | 331.6 | 2256 | 12.5 | 94 | 11.2 | 340.2 | 2265 | 13.8 | 69 | 8.8 | 335.2 | 2271 | 14.6 | 47 | 6.3 | 328.9 | 2272 | 775 |
| 800 | 14.4 | 78 | 10.1 | 336.4 | 1988 | 14.6 | 99 | 13.0 | 344.8 | 1996 | 15.2 | 85 | 11.7 | 341.8 | 2002 | 15.9 | 48 | 6.8 | 328.9 | 2002 | 800 |
| 825 | 15.0 | 75 | 9.8 | 333.2 | 1727 | 15.6 | 98 | 13.4 | 343.9 | 1734 | 16.1 | 89 | 12.6 | 342.5 | 1740 | 16.7 | 69 | 10.1 | 336.4 | 1740 | 825 |
| 850 | 15.9 | 86 | 11.5 | 336.2 | 1473 | 16.6 | 97 | 13.7 | 343.0 | 1479 | 17.0 | 89 | 12.8 | 341.0 | 1485 | 17.2 | 84 | 12.2 | 339.8 | 1485 | 850 |
| 875 | 17.2 | 92 | 13.1 | 339.3 | 1225 | 17.5 | 96 | 14.0 | 342.1 | 1231 | 18.1 | 98 | 14.8 | 345.2 | 1236 | 18.4 | 81 | 12.4 | 338.9 | 1236 | 875 |
| 900 | 19.1 | 93 | 14.6 | 342.8 | 983 | 18.6 | 95 | 14.4 | 341.6 | 989 | 19.6 | 98 | 15.8 | 346.8 | 993 | 19.6 | 78 | 12.6 | 337.9 | 993 | 900 |
| 925 | 21.0 | 94 | 16.1 | 346.6 | 745 | 20.6 | 97 | 16.3 | 346.6 | 752 | 21.0 | 98 | 16.8 | 348.5 | 755 | 20.8 | 85 | 14.3 | 341.5 | 756 | 925 |
| 950 | 22.8 | 95 | 17.7 | 350.6 | 513 | 22.6 | 98 | 18.1 | 351.2 | 519 | 22.6 | 96 | 17.7 | 350.4 | 522 | 22.4 | 92 | 16.7 | 347.4 | 524 | 950 |
| 975 | 24.5 | 96 | 19.4 | 354.8 | 284 | 24.4 | 93 | 18.6 | 352.3 | 291 | 24.5 | 92 | 18.6 | 352.5 | 294 | 24.6 | 82 | 16.7 | 347.2 | 296 | 975 |
| 1000 | 26.2 | 97 | 21.2 | 359.3 | 60 | 26.2 | 88 | 19.0 | 353.2 | 67 | 25.4 | 93 | 19.2 | 352.7 | 70 | 25.9 | 81 | 17.2 | 347.9 | 72 | 1000 |
| SFC. | 26.7 | 97 | 21.7 | 360.5 | 0 | 26.7 | 86 | 19.2 | 353.5 | 0 | 25.0 | 96 | 19.3 | 351.6 | 0 | 25.7 | 86 | 18.0 | 349.0 | 0 | SFC. |
| | SURFACE PRESSURE 1006.8 | | | | | SURFACE PRESSURE 1007.6 | | | | | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1008.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/ 4 2345 GMT T | RH | W | EPT | H | 3/ 5 815 GMT T | RH | W | EPT | H | 3/ 5 1215 GMT T | RH | W | EPT | H | 3/ 5 1855 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.6 | 15 | .0 | 470.8 | 19590 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 0 | 0.0 | 462.2 | 19517 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -67.6 | 15 | .0 | 439.8 | 18646 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.1 | 10 | .0 | 436.7 | 18594 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -74.5 | 15 | .0 | 409.0 | 17853 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 10 | .0 | 408.2 | 17803 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -81.5 | 15 | .0 | 381.6 | 17181 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.7 | 10 | .0 | 393.1 | 17119 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -82.0 | 15 | .0 | 369.3 | 16591 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.8 | 10 | .0 | 369.7 | 16522 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -78.8 | 15 | .0 | 365.4 | 16053 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.2 | 10 | .0 | 362.8 | 15986 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -75.9 | 15 | .0 | 361.8 | 15554 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.9 | 10 | .0 | 358.0 | 15492 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -72.6 | 15 | .0 | 359.6 | 15088 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.2 | 10 | .0 | 356.6 | 15030 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -69.2 | 15 | .0 | 357.9 | 14649 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.8 | 10 | .0 | 355.1 | 14594 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -65.8 | 15 | .0 | 356.7 | 14234 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.6 | 10 | .0 | 353.7 | 14182 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -62.7 | 14 | .0 | 355.5 | 13839 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.2 | 10 | .0 | 352.9 | 13791 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -59.7 | 14 | .0 | 354.3 | 13463 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.0 | 10 | .0 | 352.2 | 13417 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -57.5 | 14 | .0 | 352.2 | 13103 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.0 | 10 | .0 | 351.4 | 13059 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -54.9 | 14 | .0 | 351.0 | 12760 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.1 | 10 | .0 | 350.6 | 12716 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -52.5 | 13 | .0 | 349.8 | 12430 | -53.3 | 11 | .0 | 348.4 | 12392 | -52.4 | 10 | .0 | 349.8 | 12387 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -46.8 | 13 | .0 | 346.9 | 11659 | -47.4 | 10 | .0 | 346.0 | 11624 | -47.1 | 10 | .0 | 346.5 | 11615 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -40.7 | 12 | .1 | 345.8 | 10952 | -41.7 | 10 | .0 | 344.3 | 10919 | -41.7 | 10 | .0 | 344.2 | 10910 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -35.0 | 12 | .1 | 344.8 | 10295 | -36.5 | 10 | .1 | 342.7 | 10265 | -36.6 | 10 | .1 | 342.5 | 10257 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -29.9 | 11 | .1 | 343.8 | 9682 | -31.7 | 10 | .1 | 341.2 | 9656 | -31.5 | 10 | .1 | 341.4 | 9647 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -25.1 | 11 | .2 | 342.8 | 9106 | -28.2 | 13 | .2 | 338.5 | 9086 | -26.7 | 10 | .1 | 340.5 | 9075 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -20.7 | 10 | .2 | 341.7 | 8563 | -24.0 | 15 | .2 | 337.3 | 8549 | -24.0 | 10 | .2 | 337.0 | 8537 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -18.2 | 31 | .8 | 340.4 | 8049 | -19.9 | 13 | .3 | 336.4 | 8042 | -19.6 | 10 | .2 | 336.6 | 8029 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -15.4 | 10 | .3 | 336.1 | 7565 | -15.4 | 10 | .3 | 336.1 | 7559 | -15.4 | 10 | .3 | 336.1 | 7546 | 0.0 | 0 | 0.0 | 0.0 | 0 | 400 |
| 425 | -12.1 | 10 | .4 | 334.8 | 7104 | -12.3 | 10 | .3 | 334.5 | 7098 | -12.2 | 10 | .4 | 334.7 | 7085 | -12.8 | 12 | .4 | 334.2 | 7072 | 425 |
| 450 | -8.6 | 15 | .6 | 334.9 | 6664 | -9.5 | 10 | .4 | 332.9 | 6659 | -9.2 | 10 | .4 | 333.3 | 6646 | -11.5 | 22 | .8 | 331.6 | 6635 | 450 |
| 475 | -5.1 | 20 | 1.1 | 335.7 | 6242 | -7.8 | 26 | 1.2 | 332.5 | 6240 | -8.3 | 14 | .6 | 330.0 | 6226 | -10.3 | 30 | 1.1 | 329.1 | 6219 | 475 |
| 500 | -5.5 | 11 | .6 | 328.4 | 5840 | -7.5 | 41 | 1.8 | 330.1 | 5841 | -7.1 | 43 | 1.9 | 331.1 | 5828 | -6.9 | 16 | .7 | 327.3 | 5822 | 500 |
| 525 | -3.7 | 29 | 1.6 | 329.7 | 5456 | -4.6 | 30 | 1.5 | 328.3 | 5459 | -4.6 | 25 | 1.3 | 327.4 | 5445 | -5.8 | 25 | 1.2 | 325.6 | 5441 | 525 |
| 550 | -1.8 | 51 | 3.1 | 332.3 | 5087 | -2.0 | 39 | 2.3 | 329.6 | 5091 | -2.3 | 20 | 1.2 | 325.5 | 5078 | -2.9 | 21 | 1.2 | 324.8 | 5074 | 550 |
| 575 | .7 | 37 | 2.6 | 329.4 | 4731 | .4 | 36 | 2.4 | 328.7 | 4735 | -.1 | 41 | 2.7 | 328.9 | 4723 | -.8 | 36 | 2.3 | 326.6 | 4721 | 575 |
| 600 | 3.1 | 21 | 1.6 | 325.4 | 4388 | 2.4 | 53 | 4.0 | 331.9 | 4392 | 2.0 | 53 | 3.9 | 331.1 | 4381 | 1.5 | 39 | 2.7 | 326.8 | 4379 | 600 |
| 625 | 5.1 | 26 | 2.3 | 326.1 | 4056 | 4.6 | 64 | 5.4 | 334.9 | 4061 | 3.8 | 60 | 4.8 | 332.0 | 4050 | 2.8 | 42 | 3.1 | 325.8 | 4049 | 625 |
| 650 | 7.1 | 32 | 3.1 | 327.1 | 3735 | 6.6 | 62 | 5.8 | 334.7 | 3740 | 6.1 | 62 | 5.6 | 333.7 | 3730 | 4.9 | 46 | 3.8 | 326.9 | 3730 | 650 |
| 675 | 9.0 | 37 | 4.0 | 328.4 | 3423 | 8.5 | 60 | 6.2 | 334.5 | 3428 | 8.4 | 64 | 6.6 | 335.6 | 3419 | 7.1 | 43 | 4.0 | 326.3 | 3421 | 675 |
| 700 | 10.8 | 42 | 4.9 | 330.0 | 3121 | 10.4 | 49 | 5.6 | 331.6 | 3126 | 10.7 | 45 | 5.2 | 330.8 | 3116 | 9.1 | 35 | 3.6 | 324.0 | 3121 | 700 |
| 725 | 12.5 | 47 | 5.9 | 331.8 | 2827 | 12.3 | 31 | 3.9 | 325.3 | 2833 | 12.9 | 27 | 3.4 | 324.6 | 2823 | 11.0 | 27 | 3.0 | 321.3 | 2829 | 725 |
| 750 | 15.1 | 29 | 4.1 | 326.2 | 2541 | 14.0 | 17 | 2.3 | 319.4 | 2548 | 14.8 | 17 | 2.4 | 320.4 | 2537 | 12.8 | 19 | 2.4 | 318.3 | 2546 | 750 |
| 775 | 16.3 | 29 | 4.4 | 325.2 | 2263 | 15.0 | 28 | 3.8 | 322.1 | 2271 | 15.5 | 42 | 6.0 | 329.2 | 2260 | 13.2 | 47 | 5.7 | 325.6 | 2270 | 775 |
| 800 | 17.4 | 40 | 6.2 | 328.9 | 1993 | 16.0 | 38 | 5.4 | 324.9 | 2002 | 15.8 | 76 | 10.8 | 340.2 | 1990 | 14.6 | 43 | 5.5 | 323.7 | 2002 | 800 |
| 825 | 18.9 | 35 | 5.9 | 326.7 | 1729 | 16.9 | 48 | 7.0 | 327.7 | 1740 | 17.1 | 91 | 13.7 | 346.9 | 1727 | 15.3 | 64 | 8.5 | 330.0 | 1742 | 825 |
| 850 | 20.0 | 42 | 7.2 | 328.9 | 1472 | 18.1 | 69 | 10.6 | 336.3 | 1485 | 18.3 | 90 | 14.2 | 346.8 | 1471 | 16.8 | 69 | 9.8 | 332.5 | 1487 | 850 |
| 875 | 21.0 | 49 | 8.7 | 331.6 | 1222 | 19.3 | 84 | 13.7 | 343.5 | 1235 | 19.3 | 95 | 15.5 | 348.5 | 1221 | 18.5 | 69 | 10.6 | 334.1 | 1239 | 875 |
| 900 | 22.0 | 55 | 10.2 | 334.4 | 977 | 20.3 | 90 | 15.2 | 346.1 | 992 | 20.5 | 95 | 16.2 | 349.2 | 977 | 20.1 | 70 | 11.6 | 335.9 | 996 | 900 |
| 925 | 22.6 | 71 | 13.3 | 341.1 | 739 | 21.9 | 91 | 16.5 | 348.9 | 753 | 21.7 | 95 | 16.9 | 349.8 | 738 | 21.2 | 74 | 12.7 | 337.5 | 759 | 925 |
| 950 | 23.6 | 82 | 15.9 | 346.8 | 505 | 23.8 | 89 | 17.6 | 351.7 | 520 | 22.8 | 94 | 17.7 | 350.5 | 505 | 21.7 | 81 | 14.1 | 339.2 | 527 | 950 |
| 975 | 25.8 | 68 | 14.8 | 343.8 | 277 | 25.7 | 87 | 18.8 | 354.5 | 291 | 24.0 | 94 | 18.4 | 351.2 | 277 | 24.0 | 82 | 16.0 | 344.9 | 300 | 975 |
| 1000 | 28.9 | 70 | 17.9 | 353.6 | 52 | 27.5 | 85 | 19.9 | 357.4 | 66 | 25.0 | 94 | 19.1 | 352.0 | 54 | 26.3 | 83 | 18.1 | 351.0 | 76 | 1000 |
| SFC. | 29.6 | 71 | 18.8 | 356.5 | 0 | 28.0 | 84 | 20.2 | 358.2 | 0 | 25.3 | 94 | 19.3 | 352.2 | 0 | 27.1 | 83 | 18.9 | 353.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1005.8 | SURFACE PRESSURE | | | | 1007.4 | SURFACE PRESSURE | | | | 1006.1 | SURFACE PRESSURE | | | | 1008.6 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/ 5 2345 GMT T | RH | W | EPT | H | 3/ 6 610 GMT T | RH | W | EPT | H | 3/ 6 1135 GMT T | RH | W | EPT | H | 3/ 6 1825 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.1 | 14 | .0 | 458.5 | 19509 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.0 | 33 | .0 | 463.5 | 19473 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -69.8 | 14 | .0 | 435.0 | 18588 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.1 | 34 | .0 | 441.0 | 18539 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -72.3 | 15 | .0 | 413.7 | 17794 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.8 | 34 | .0 | 412.7 | 17744 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -78.4 | 14 | .0 | 387.8 | 17117 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.4 | 34 | .0 | 385.7 | 17068 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -80.2 | 13 | .0 | 372.8 | 16519 | 0.0 | 0 | 0.0 | 0.0 | 0 | -82.6 | 34 | .0 | 368.2 | 16476 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -78.4 | 14 | .0 | 366.1 | 15978 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.8 | 34 | .0 | 363.5 | 15940 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -76.8 | 15 | .0 | 360.1 | 15480 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.2 | 34 | .0 | 359.3 | 15444 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -73.7 | 15 | .0 | 357.6 | 15016 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 34 | .0 | 355.4 | 14982 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -70.4 | 15 | .0 | 355.8 | 14579 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.8 | 34 | .0 | 353.3 | 14549 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -67.2 | 15 | .0 | 354.3 | 14167 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.6 | 33 | .0 | 352.0 | 14138 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -64.1 | 15 | .0 | 353.1 | 13775 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.6 | 33 | .0 | 350.7 | 13749 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -61.1 | 15 | .0 | 352.0 | 13401 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.7 | 32 | .0 | 349.3 | 13378 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -58.3 | 15 | .0 | 350.9 | 13043 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.8 | 33 | .0 | 348.5 | 13023 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -55.7 | 14 | .0 | 349.7 | 12701 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.9 | 34 | .0 | 347.8 | 12683 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -53.2 | 14 | .0 | 348.6 | 12373 | -54.7 | 14 | .0 | 346.3 | 12355 | -54.2 | 35 | .0 | 347.1 | 12356 | -53.7 | 16 | .0 | 347.8 | 12370 | 200 |
| 225 | -47.3 | 14 | .0 | 346.2 | 11604 | -48.2 | 15 | .0 | 344.8 | 11590 | -48.1 | 38 | .1 | 345.1 | 11591 | -48.3 | 16 | .0 | 344.7 | 11603 | 225 |
| 250 | -41.2 | 13 | .1 | 345.1 | 10898 | -43.0 | 17 | .1 | 342.4 | 10887 | -43.4 | 43 | .1 | 342.1 | 10890 | -42.4 | 16 | .1 | 343.3 | 10901 | 250 |
| 275 | -35.6 | 12 | .1 | 344.0 | 10243 | -37.4 | 16 | .1 | 341.5 | 10237 | -38.1 | 47 | .2 | 341.1 | 10241 | -37.0 | 17 | .1 | 342.0 | 10249 | 275 |
| 300 | -30.6 | 12 | .1 | 342.8 | 9631 | -32.2 | 13 | .1 | 340.5 | 9630 | -32.7 | 39 | .3 | 340.5 | 9635 | -32.5 | 18 | .1 | 340.1 | 9641 | 300 |
| 325 | -25.9 | 11 | .2 | 341.6 | 9057 | -27.4 | 11 | .1 | 339.5 | 9059 | -27.6 | 22 | .3 | 339.7 | 9066 | -28.0 | 19 | .2 | 339.0 | 9073 | 325 |
| 350 | -22.3 | 11 | .2 | 339.5 | 8516 | -23.3 | 10 | .2 | 338.0 | 8522 | -23.4 | 18 | .3 | 338.4 | 8528 | -22.7 | 17 | .3 | 339.4 | 8535 | 350 |
| 375 | -19.1 | 11 | .2 | 337.3 | 8006 | -19.6 | 10 | .2 | 336.5 | 8013 | -19.6 | 16 | .3 | 337.0 | 8019 | -18.3 | 16 | .4 | 338.8 | 8024 | 375 |
| 400 | -16.1 | 11 | .3 | 335.3 | 7523 | -16.2 | 10 | .3 | 335.0 | 7531 | -16.0 | 14 | .4 | 335.7 | 7537 | -15.0 | 13 | .4 | 337.0 | 7540 | 400 |
| 425 | -12.2 | 11 | .4 | 334.8 | 7063 | -13.0 | 10 | .3 | 333.6 | 7071 | -13.5 | 16 | .5 | 333.5 | 7078 | -11.9 | 13 | .5 | 335.6 | 7078 | 425 |
| 450 | -10.7 | 15 | .5 | 331.8 | 6625 | -10.2 | 10 | .4 | 331.9 | 6633 | -11.2 | 18 | .7 | 331.6 | 6641 | -10.5 | 15 | .6 | 332.1 | 6640 | 450 |
| 475 | -8.7 | 15 | .6 | 329.4 | 6208 | -8.2 | 10 | .4 | 329.4 | 6215 | -8.7 | 18 | .7 | 329.9 | 6225 | -9.8 | 17 | .6 | 328.2 | 6223 | 475 |
| 500 | -6.4 | 12 | .6 | 327.4 | 5809 | -6.6 | 13 | .6 | 327.2 | 5816 | -6.3 | 16 | .8 | 328.2 | 5825 | -7.1 | 16 | .7 | 326.9 | 5825 | 500 |
| 525 | -4.7 | 33 | 1.7 | 328.7 | 5426 | -4.3 | 12 | .7 | 325.6 | 5434 | -3.9 | 15 | .8 | 326.6 | 5442 | -4.1 | 15 | .8 | 326.5 | 5443 | 525 |
| 550 | -2.4 | 30 | 1.7 | 327.2 | 5059 | -2.1 | 21 | 1.2 | 325.9 | 5065 | -1.7 | 13 | .8 | 325.0 | 5074 | -1.2 | 15 | 1.0 | 326.0 | 5074 | 550 |
| 575 | -.2 | 26 | 1.7 | 325.6 | 4704 | -.5 | 31 | 2.0 | 326.3 | 4711 | -.5 | 27 | 1.7 | 325.4 | 4719 | -.4 | 18 | 1.2 | 323.5 | 4720 | 575 |
| 600 | 1.8 | 23 | 1.7 | 323.9 | 4363 | 1.5 | 26 | 1.8 | 324.1 | 4370 | 1.9 | 34 | 2.5 | 326.5 | 4378 | 1.8 | 25 | 1.8 | 324.3 | 4378 | 600 |
| 625 | 3.2 | 37 | 2.8 | 325.5 | 4032 | 3.0 | 39 | 3.0 | 325.6 | 4040 | 4.7 | 37 | 3.2 | 328.1 | 4047 | 3.9 | 32 | 2.6 | 325.4 | 4048 | 625 |
| 650 | 5.2 | 42 | 3.6 | 326.3 | 3713 | 5.0 | 50 | 4.2 | 327.9 | 3721 | 6.5 | 40 | 3.8 | 328.6 | 3725 | 5.4 | 37 | 3.2 | 325.5 | 3728 | 650 |
| 675 | 7.5 | 37 | 3.6 | 325.5 | 3404 | 7.3 | 39 | 3.7 | 325.8 | 3412 | 7.7 | 45 | 4.4 | 328.1 | 3415 | 7.0 | 42 | 3.9 | 325.9 | 3419 | 675 |
| 700 | 9.8 | 32 | 3.5 | 324.6 | 3103 | 9.6 | 29 | 3.1 | 323.1 | 3111 | 10.1 | 48 | 5.4 | 330.6 | 3114 | 8.3 | 52 | 5.1 | 327.6 | 3118 | 700 |
| 725 | 12.0 | 28 | 3.4 | 323.4 | 2811 | 11.8 | 19 | 2.3 | 319.9 | 2819 | 12.5 | 40 | 5.0 | 328.9 | 2821 | 8.9 | 65 | 6.4 | 328.9 | 2828 | 725 |
| 750 | 13.5 | 23 | 2.9 | 320.7 | 2526 | 13.7 | 17 | 2.2 | 318.6 | 2535 | 14.9 | 29 | 4.0 | 325.6 | 2535 | 10.9 | 81 | 8.8 | 334.7 | 2546 | 750 |
| 775 | 14.1 | 32 | 4.1 | 321.9 | 2250 | 15.2 | 23 | 3.2 | 320.3 | 2258 | 15.8 | 30 | 4.4 | 324.7 | 2257 | 12.9 | 91 | 11.0 | 340.3 | 2270 | 775 |
| 800 | 12.2 | 51 | 5.6 | 321.2 | 1982 | 16.7 | 28 | 4.2 | 322.2 | 1989 | 16.4 | 37 | 5.4 | 325.5 | 1988 | 13.7 | 94 | 11.8 | 340.2 | 2002 | 800 |
| 825 | 15.5 | 73 | 9.8 | 334.0 | 1723 | 17.6 | 43 | 6.6 | 327.4 | 1726 | 17.3 | 48 | 7.2 | 328.6 | 1725 | 14.6 | 98 | 12.5 | 340.1 | 1741 | 825 |
| 850 | 17.1 | 71 | 10.3 | 334.4 | 1469 | 17.6 | 74 | 11.0 | 337.0 | 1471 | 17.7 | 70 | 10.5 | 335.5 | 1470 | 15.5 | 94 | 12.3 | 337.9 | 1487 | 850 |
| 875 | 18.7 | 69 | 10.8 | 334.8 | 1220 | 17.9 | 95 | 14.2 | 343.1 | 1222 | 18.2 | 55 | 8.4 | 327.4 | 1221 | 16.5 | 87 | 11.8 | 334.7 | 1240 | 875 |
| 900 | 20.2 | 68 | 11.3 | 335.2 | 977 | 19.0 | 97 | 15.1 | 344.1 | 979 | 19.7 | 57 | 9.2 | 328.7 | 979 | 18.4 | 85 | 12.6 | 336.7 | 999 | 900 |
| 925 | 21.7 | 66 | 11.7 | 335.5 | 739 | 20.3 | 95 | 15.6 | 344.5 | 742 | 20.9 | 78 | 13.2 | 338.5 | 742 | 20.3 | 83 | 13.5 | 338.7 | 762 | 925 |
| 950 | 23.1 | 65 | 12.2 | 335.8 | 507 | 22.0 | 88 | 15.6 | 343.8 | 510 | 22.2 | 88 | 15.8 | 344.7 | 510 | 22.1 | 81 | 14.4 | 340.7 | 530 | 950 |
| 975 | 24.5 | 63 | 12.6 | 336.1 | 279 | 23.6 | 82 | 15.5 | 343.0 | 283 | 23.7 | 84 | 16.0 | 344.4 | 282 | 23.9 | 79 | 15.3 | 342.7 | 303 | 975 |
| 1000 | 27.8 | 68 | 16.3 | 347.8 | 56 | 26.0 | 88 | 18.9 | 352.5 | 60 | 25.8 | 90 | 19.3 | 353.5 | 59 | 25.5 | 86 | 17.9 | 349.3 | 80 | 1000 |
| SFC. | 29.4 | 73 | 19.1 | 357.0 | 0 | 27.0 | 94 | 21.4 | 360.1 | 0 | 26.5 | 94 | 20.8 | 357.7 | 0 | 26.0 | 96 | 20.5 | 356.1 | 0 | SFC. |
| | SURFACE PRESSURE 1006.3 | | | | | SURFACE PRESSURE 1006.8 | | | | | SURFACE PRESSURE 1006.7 | | | | | SURFACE PRESSURE 1009.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/ 7 019 GMT | | | | | 3/ 7 3 0 GMT | | | | | 3/ 7 850 GMT | | | | | 3/ 7 12 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -63.3 | 10 | .0 | 469.2 | 19485 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -68.0 | 10 | .0 | 439.0 | 18547 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.0 | 27 | .0 | 432.5 | 18488 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -74.0 | 10 | .0 | 410.1 | 17759 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.1 | 26 | .0 | 405.7 | 17710 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -78.7 | 10 | .0 | 387.1 | 17079 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.9 | 25 | .0 | 390.7 | 17029 | -79.4 | 33 | .0 | 385.8 | 17021 | 90 |
| 100 | -83.1 | 10 | .0 | 367.2 | 16489 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.6 | 26 | .0 | 370.1 | 16431 | -82.5 | 32 | .0 | 368.4 | 16424 | 100 |
| 110 | -79.9 | 10 | .0 | 363.3 | 15954 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.4 | 26 | .0 | 362.5 | 15895 | -80.4 | 31 | .0 | 362.4 | 15889 | 110 |
| 120 | -77.0 | 10 | .0 | 359.7 | 15458 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.5 | 26 | .0 | 358.9 | 15400 | -77.8 | 30 | .0 | 358.2 | 15395 | 120 |
| 130 | -74.3 | 10 | .0 | 356.4 | 14995 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 25 | .0 | 355.6 | 14938 | -74.9 | 28 | .0 | 355.4 | 14934 | 130 |
| 140 | -71.8 | 10 | .0 | 353.3 | 14561 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.3 | 25 | .0 | 352.5 | 14505 | -72.2 | 26 | .0 | 352.7 | 14500 | 140 |
| 150 | -68.6 | 10 | .0 | 352.0 | 14151 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.0 | 25 | .0 | 349.5 | 14097 | -69.6 | 24 | .0 | 350.2 | 14092 | 150 |
| 160 | -65.4 | 10 | .0 | 350.9 | 13761 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.8 | 25 | .0 | 348.6 | 13710 | -67.2 | 22 | .0 | 347.8 | 13705 | 160 |
| 170 | -62.5 | 10 | .0 | 349.8 | 13390 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.8 | 25 | .0 | 347.7 | 13341 | -64.1 | 24 | .0 | 347.1 | 13336 | 170 |
| 180 | -59.7 | 10 | .0 | 348.7 | 13035 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.9 | 25 | .0 | 346.7 | 12988 | -61.0 | 25 | .0 | 346.5 | 12984 | 180 |
| 190 | -57.0 | 10 | .0 | 347.6 | 12695 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.0 | 25 | .0 | 346.0 | 12650 | -58.1 | 27 | .0 | 345.9 | 12646 | 190 |
| 200 | -54.3 | 10 | .0 | 346.9 | 12368 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.3 | 24 | .0 | 345.4 | 12324 | -55.4 | 29 | .0 | 345.2 | 12321 | 200 |
| 225 | -47.5 | 10 | .0 | 345.8 | 11601 | 0.0 | 0 | 0.0 | 0.0 | 0 | -49.0 | 24 | .0 | 343.7 | 11562 | -49.0 | 32 | .1 | 343.6 | 11559 | 225 |
| 250 | -41.6 | 10 | .0 | 344.4 | 10896 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.3 | 23 | .1 | 342.0 | 10862 | -43.0 | 29 | .1 | 342.5 | 10858 | 250 |
| 275 | -36.3 | 10 | .1 | 342.9 | 10242 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.9 | 20 | .1 | 340.7 | 10213 | -37.6 | 27 | .1 | 341.4 | 10208 | 275 |
| 300 | -31.5 | 10 | .1 | 341.4 | 9633 | -31.6 | 16 | .1 | 341.5 | 9621 | -33.1 | 17 | .1 | 339.4 | 9607 | -32.6 | 25 | .2 | 340.2 | 9601 | 300 |
| 325 | -27.6 | 10 | .1 | 339.2 | 9061 | -27.9 | 56 | .7 | 340.8 | 9050 | -28.5 | 22 | .2 | 338.4 | 9039 | -28.1 | 23 | .3 | 339.1 | 9032 | 325 |
| 350 | -23.0 | 10 | .2 | 338.4 | 8523 | -24.9 | 30 | .4 | 336.9 | 8515 | -25.5 | 20 | .3 | 335.5 | 8504 | -24.5 | 28 | .4 | 337.4 | 8496 | 350 |
| 375 | -18.8 | 10 | .2 | 337.7 | 8014 | -20.3 | 23 | .5 | 336.5 | 8009 | -21.2 | 18 | .3 | 334.9 | 7999 | -20.8 | 18 | .3 | 335.4 | 7990 | 375 |
| 400 | -15.6 | 10 | .3 | 335.8 | 7530 | -16.0 | 16 | .4 | 335.9 | 7527 | -17.2 | 17 | .4 | 334.3 | 7519 | -17.2 | 26 | .6 | 335.1 | 7509 | 400 |
| 425 | -13.0 | 10 | .3 | 333.6 | 7070 | -12.6 | 13 | .4 | 334.5 | 7067 | -14.1 | 14 | .4 | 332.5 | 7062 | -13.3 | 18 | .6 | 334.1 | 7051 | 425 |
| 450 | -10.9 | 10 | .4 | 330.9 | 6633 | -10.5 | 15 | .6 | 332.2 | 6629 | -11.4 | 14 | .5 | 330.8 | 6626 | -11.0 | 19 | .7 | 332.0 | 6614 | 450 |
| 475 | -9.0 | 10 | .4 | 328.4 | 6216 | -8.4 | 17 | .7 | 330.1 | 6211 | -8.9 | 15 | .6 | 329.2 | 6209 | -8.9 | 21 | .9 | 330.1 | 6198 | 475 |
| 500 | -7.1 | 10 | .4 | 326.1 | 5818 | -6.0 | 27 | 1.3 | 330.5 | 5812 | -6.6 | 16 | .7 | 327.7 | 5810 | -6.8 | 24 | 1.1 | 328.6 | 5799 | 500 |
| 525 | -4.0 | 10 | .5 | 325.7 | 5435 | -3.4 | 16 | .9 | 327.7 | 5428 | -4.3 | 18 | .9 | 326.6 | 5428 | -4.3 | 26 | 1.4 | 328.1 | 5416 | 525 |
| 550 | -.7 | 10 | .7 | 325.7 | 5066 | -1.2 | 18 | 1.1 | 326.6 | 5059 | -2.3 | 15 | .9 | 324.4 | 5060 | -1.7 | 17 | 1.0 | 325.7 | 5048 | 550 |
| 575 | 1.2 | 10 | .7 | 324.0 | 4710 | .8 | 19 | 1.4 | 325.7 | 4703 | -.5 | 18 | 1.1 | 323.3 | 4706 | .6 | 18 | 1.2 | 325.0 | 4693 | 575 |
| 600 | 2.6 | 10 | .8 | 321.9 | 4367 | 2.8 | 21 | 1.6 | 324.9 | 4360 | 1.2 | 20 | 1.4 | 322.4 | 4365 | 1.9 | 25 | 1.8 | 324.5 | 4350 | 600 |
| 625 | 4.5 | 10 | .8 | 320.6 | 4036 | 4.7 | 22 | 1.9 | 324.2 | 4028 | 2.9 | 23 | 1.7 | 321.5 | 4035 | 4.0 | 24 | 2.0 | 323.7 | 4020 | 625 |
| 650 | 6.3 | 10 | .9 | 319.3 | 3716 | 5.8 | 24 | 2.2 | 322.7 | 3708 | 4.5 | 25 | 2.0 | 320.8 | 3717 | 5.3 | 34 | 2.9 | 324.5 | 3701 | 650 |
| 675 | 8.0 | 10 | 1.0 | 318.0 | 3406 | 6.9 | 34 | 3.1 | 323.3 | 3399 | 6.2 | 29 | 2.5 | 320.8 | 3409 | 6.5 | 31 | 2.8 | 322.0 | 3392 | 675 |
| 700 | 10.2 | 10 | 1.1 | 317.7 | 3105 | 8.7 | 47 | 4.7 | 327.0 | 3099 | 8.4 | 33 | 3.3 | 322.4 | 3110 | 8.0 | 41 | 4.0 | 323.9 | 3092 | 700 |
| 725 | 12.4 | 10 | 1.2 | 317.3 | 2813 | 11.2 | 41 | 4.8 | 326.7 | 2807 | 10.6 | 38 | 4.2 | 324.2 | 2819 | 9.9 | 45 | 4.8 | 325.3 | 2802 | 725 |
| 750 | 14.3 | 38 | 5.1 | 328.2 | 2528 | 13.8 | 33 | 4.3 | 325.1 | 2523 | 12.7 | 31 | 3.8 | 322.3 | 2535 | 11.9 | 41 | 4.8 | 324.6 | 2519 | 750 |
| 775 | 15.1 | 38 | 5.3 | 326.5 | 2250 | 16.0 | 27 | 3.9 | 323.4 | 2245 | 14.7 | 24 | 3.2 | 320.0 | 2259 | 13.7 | 39 | 5.0 | 324.0 | 2243 | 775 |
| 800 | 13.2 | 62 | 7.4 | 327.4 | 1983 | 15.9 | 60 | 8.5 | 333.7 | 1976 | 16.1 | 28 | 4.0 | 320.8 | 1990 | 14.9 | 49 | 6.5 | 326.7 | 1975 | 800 |
| 825 | 15.2 | 63 | 8.3 | 329.3 | 1723 | 14.4 | 98 | 12.3 | 339.5 | 1714 | 14.2 | 93 | 11.6 | 337.4 | 1729 | 14.9 | 69 | 8.9 | 330.6 | 1714 | 825 |
| 850 | 16.2 | 67 | 9.2 | 330.0 | 1469 | 16.6 | 94 | 13.2 | 341.6 | 1460 | 15.2 | 95 | 12.3 | 337.5 | 1475 | 15.6 | 82 | 10.8 | 333.8 | 1461 | 850 |
| 875 | 17.8 | 68 | 10.0 | 331.6 | 1221 | 17.8 | 95 | 14.1 | 342.8 | 1211 | 16.4 | 93 | 12.6 | 336.9 | 1228 | 17.1 | 83 | 11.7 | 335.3 | 1213 | 875 |
| 900 | 20.0 | 65 | 10.7 | 333.2 | 979 | 18.9 | 97 | 15.0 | 343.7 | 969 | 18.0 | 86 | 12.6 | 336.0 | 987 | 18.7 | 81 | 12.3 | 336.1 | 971 | 900 |
| 925 | 22.1 | 62 | 11.3 | 334.8 | 741 | 20.1 | 97 | 15.8 | 344.7 | 732 | 19.8 | 84 | 13.3 | 337.5 | 751 | 20.3 | 79 | 12.9 | 337.1 | 735 | 925 |
| 950 | 22.5 | 61 | 11.1 | 332.0 | 509 | 21.6 | 97 | 16.9 | 346.7 | 500 | 21.6 | 84 | 14.5 | 340.3 | 519 | 21.5 | 91 | 15.7 | 343.3 | 503 | 950 |
| 975 | 24.6 | 56 | 11.3 | 332.7 | 282 | 23.9 | 95 | 18.5 | 351.5 | 272 | 23.3 | 84 | 15.7 | 343.1 | 292 | 23.5 | 92 | 17.6 | 348.3 | 276 | 975 |
| 1000 | 28.0 | 72 | 17.4 | 351.1 | 58 | 26.2 | 93 | 20.2 | 356.5 | 49 | 25.5 | 87 | 18.2 | 350.1 | 70 | 25.5 | 93 | 19.5 | 353.5 | 53 | 1000 |
| SFC. | 29.0 | 78 | 19.9 | 358.8 | 0 | 26.7 | 92 | 20.6 | 357.6 | 0 | 26.6 | 92 | 20.4 | 356.7 | 0 | 26.0 | 93 | 19.9 | 354.8 | 0 | SFC. |
| | SURFACE PRESSURE 1006.5 | | | | | SURFACE PRESSURE 1005.5 | | | | | SURFACE PRESSURE 1007.9 | | | | | SURFACE PRESSURE 1006.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/ 7 1430 GMT T | RH | W | EPT | H | 3/ 7 2110 GMT T | RH | W | EPT | H | 3/ 8 0 5 GMT T | RH | W | EPT | H | 3/ 8 558 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.0 | 0 | 0.0 | 458.7 | 19510 | -65.6 | 0 | 0.0 | 464.1 | 19409 | -67.8 | 0 | 0.0 | 459.3 | 19567 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -69.7 | 29 | .0 | 435.4 | 18588 | -69.5 | 0 | 0.0 | 435.8 | 18478 | -70.9 | 0 | 0.0 | 432.7 | 18647 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -74.6 | 30 | .0 | 408.9 | 17798 | -75.0 | 25 | .0 | 408.0 | 17696 | -73.4 | 14 | .0 | 411.5 | 17855 | -73.1 | 21 | .0 | 412.0 | 17766 | 80 |
| 90 | -76.0 | 30 | .0 | 392.6 | 17114 | -79.3 | 25 | .0 | 386.1 | 17016 | -78.4 | 14 | .0 | 387.8 | 17179 | -80.6 | 21 | .0 | 383.4 | 17089 | 90 |
| 100 | -79.3 | 30 | .0 | 374.6 | 16511 | -83.3 | 25 | .0 | 366.8 | 16428 | -79.1 | 15 | .0 | 374.9 | 16579 | -79.8 | 21 | .0 | 373.6 | 16495 | 100 |
| 110 | -78.8 | 30 | .0 | 365.5 | 15971 | -79.6 | 25 | .0 | 364.0 | 15893 | -78.2 | 12 | .0 | 366.6 | 16040 | -80.2 | 20 | .0 | 362.8 | 15958 | 110 |
| 120 | -76.1 | 30 | .0 | 361.4 | 15473 | -76.1 | 25 | .0 | 361.3 | 15395 | -76.2 | 11 | .0 | 361.2 | 15540 | -77.9 | 20 | .0 | 358.2 | 15463 | 120 |
| 130 | -73.3 | 30 | .0 | 358.3 | 15008 | -74.5 | 25 | .0 | 356.2 | 14931 | -73.5 | 14 | .0 | 357.9 | 15075 | -75.1 | 20 | .0 | 355.0 | 15002 | 130 |
| 140 | -70.2 | 30 | .0 | 356.2 | 14571 | -72.0 | 25 | .0 | 353.1 | 14497 | -70.5 | 15 | .0 | 355.6 | 14638 | -71.8 | 20 | .0 | 353.4 | 14569 | 140 |
| 150 | -67.3 | 30 | .0 | 354.3 | 14158 | -69.3 | 25 | .0 | 350.7 | 14088 | -67.1 | 15 | .0 | 354.5 | 14226 | -68.5 | 20 | .0 | 352.2 | 14159 | 150 |
| 160 | -64.6 | 30 | .0 | 352.4 | 13766 | -66.6 | 25 | .0 | 348.8 | 13701 | -64.0 | 14 | .0 | 353.3 | 13833 | -65.4 | 20 | .0 | 351.0 | 13769 | 160 |
| 170 | -62.0 | 30 | .0 | 350.6 | 13393 | -63.6 | 25 | .0 | 348.0 | 13331 | -61.1 | 14 | .0 | 352.1 | 13459 | -62.4 | 20 | .0 | 349.9 | 13398 | 170 |
| 180 | -59.6 | 30 | .0 | 348.8 | 13038 | -60.6 | 25 | .0 | 347.1 | 12978 | -58.1 | 14 | .0 | 351.3 | 13102 | -59.5 | 20 | .0 | 349.0 | 13043 | 180 |
| 190 | -57.3 | 30 | .0 | 347.1 | 12698 | -57.9 | 26 | .0 | 346.2 | 12639 | -55.2 | 14 | .0 | 350.5 | 12759 | -56.8 | 20 | .0 | 348.0 | 12702 | 190 |
| 200 | -55.1 | 30 | .0 | 345.7 | 12372 | -55.3 | 26 | .0 | 345.4 | 12314 | -52.5 | 14 | .0 | 349.8 | 12430 | -54.2 | 20 | .0 | 347.1 | 12375 | 200 |
| 225 | -48.2 | 26 | .1 | 344.8 | 11608 | -49.0 | 31 | .1 | 343.7 | 11552 | -46.2 | 13 | .0 | 347.8 | 11658 | -48.2 | 19 | .0 | 344.8 | 11609 | 225 |
| 250 | -42.1 | 23 | .1 | 343.9 | 10905 | -43.1 | 40 | .1 | 342.5 | 10851 | -41.0 | 13 | .1 | 345.3 | 10950 | -42.9 | 19 | .1 | 342.6 | 10907 | 250 |
| 275 | -36.6 | 21 | .1 | 342.8 | 10252 | -37.9 | 26 | .1 | 340.9 | 10202 | -35.4 | 12 | .1 | 344.4 | 10294 | -36.8 | 18 | .1 | 342.3 | 10256 | 275 |
| 300 | -31.5 | 18 | .2 | 341.7 | 9643 | -33.1 | 42 | .3 | 340.0 | 9596 | -30.2 | 12 | .1 | 343.4 | 9681 | -31.0 | 16 | .2 | 342.3 | 9647 | 300 |
| 325 | -27.2 | 18 | .2 | 340.2 | 9071 | -29.6 | 45 | .5 | 337.6 | 9029 | -25.4 | 12 | .2 | 342.3 | 9106 | -27.6 | 17 | .2 | 339.5 | 9075 | 325 |
| 350 | -23.2 | 18 | .3 | 338.7 | 8533 | -25.7 | 20 | .3 | 335.2 | 8497 | -21.0 | 11 | .2 | 341.3 | 8564 | -23.0 | 16 | .3 | 338.9 | 8537 | 350 |
| 375 | -19.5 | 18 | .4 | 337.4 | 8024 | -21.1 | 18 | .3 | 335.0 | 7992 | -17.2 | 11 | .3 | 340.0 | 8050 | -18.6 | 14 | .3 | 338.3 | 8027 | 375 |
| 400 | -16.0 | 18 | .5 | 336.1 | 7541 | -16.7 | 15 | .4 | 334.8 | 7511 | -14.5 | 11 | .3 | 337.5 | 7564 | -14.5 | 13 | .4 | 337.7 | 7542 | 400 |
| 425 | -12.8 | 18 | .6 | 334.7 | 7082 | -13.5 | 13 | .4 | 333.3 | 7053 | -11.5 | 11 | .4 | 335.7 | 7102 | -11.9 | 16 | .6 | 335.9 | 7080 | 425 |
| 450 | -10.0 | 16 | .6 | 333.1 | 6643 | -12.5 | 17 | .6 | 329.6 | 6617 | -8.8 | 10 | .5 | 334.0 | 6662 | -10.0 | 19 | .7 | 333.5 | 6641 | 450 |
| 475 | -7.3 | 15 | .7 | 331.5 | 6224 | -10.0 | 22 | .8 | 328.5 | 6202 | -6.1 | 10 | .5 | 332.4 | 6241 | -6.9 | 15 | .7 | 332.1 | 6222 | 475 |
| 500 | -4.8 | 14 | .7 | 330.0 | 5823 | -7.9 | 14 | .6 | 325.6 | 5805 | -4.0 | 10 | .6 | 330.3 | 5838 | -4.2 | 12 | .7 | 330.5 | 5820 | 500 |
| 525 | -2.3 | 13 | .8 | 328.5 | 5438 | -5.6 | 14 | .7 | 324.2 | 5424 | -1.4 | 10 | .7 | 329.2 | 5452 | -3.2 | 16 | .9 | 327.9 | 5435 | 525 |
| 550 | -.0 | 12 | .8 | 327.0 | 5067 | -3.3 | 14 | .8 | 322.9 | 5058 | 1.1 | 10 | .8 | 328.2 | 5079 | -.2 | 12 | .8 | 326.7 | 5065 | 550 |
| 575 | 1.5 | 12 | .9 | 324.9 | 4710 | -1.4 | 20 | 1.2 | 322.6 | 4705 | 2.3 | 10 | .8 | 325.5 | 4721 | 1.0 | 13 | .9 | 324.4 | 4708 | 575 |
| 600 | 2.9 | 14 | 1.1 | 323.2 | 4367 | .9 | 23 | 1.6 | 322.5 | 4365 | 3.6 | 13 | 1.0 | 324.0 | 4377 | 1.6 | 29 | 2.1 | 325.0 | 4366 | 600 |
| 625 | 4.8 | 14 | 1.2 | 322.2 | 4035 | 3.3 | 23 | 1.8 | 322.2 | 4035 | 5.3 | 14 | 1.2 | 322.9 | 4045 | 3.8 | 26 | 2.1 | 323.8 | 4036 | 625 |
| 650 | 6.6 | 15 | 1.4 | 321.3 | 3715 | 5.2 | 27 | 2.3 | 322.5 | 3716 | 7.6 | 14 | 1.4 | 322.4 | 3723 | 6.1 | 22 | 1.9 | 322.4 | 3716 | 650 |
| 675 | 8.4 | 16 | 1.6 | 320.4 | 3404 | 7.1 | 31 | 2.9 | 323.0 | 3407 | 9.8 | 14 | 1.6 | 321.9 | 3412 | 8.2 | 18 | 1.8 | 321.0 | 3406 | 675 |
| 700 | 10.0 | 30 | 3.3 | 324.2 | 3103 | 8.8 | 35 | 3.6 | 323.7 | 3107 | 11.7 | 15 | 1.9 | 321.8 | 3109 | 10.1 | 20 | 2.2 | 321.0 | 3105 | 700 |
| 725 | 12.2 | 29 | 3.6 | 324.2 | 2810 | 10.5 | 36 | 4.0 | 323.5 | 2816 | 13.2 | 19 | 2.5 | 322.3 | 2815 | 11.9 | 22 | 2.6 | 321.0 | 2812 | 725 |
| 750 | 14.3 | 25 | 3.4 | 323.0 | 2526 | 11.9 | 31 | 3.6 | 321.0 | 2533 | 14.6 | 23 | 3.2 | 322.9 | 2530 | 13.7 | 23 | 3.0 | 321.2 | 2528 | 750 |
| 775 | 16.4 | 21 | 3.1 | 321.6 | 2248 | 13.2 | 27 | 3.3 | 318.4 | 2258 | 16.1 | 27 | 4.0 | 323.7 | 2252 | 15.4 | 25 | 3.5 | 321.5 | 2251 | 775 |
| 800 | 17.0 | 32 | 4.9 | 324.6 | 1978 | 13.7 | 46 | 5.6 | 322.9 | 1991 | 18.0 | 18 | 3.0 | 319.9 | 1982 | 16.0 | 48 | 6.8 | 329.0 | 1981 | 800 |
| 825 | 16.9 | 52 | 7.6 | 329.2 | 1715 | 14.1 | 69 | 8.5 | 328.6 | 1731 | 17.5 | 37 | 5.6 | 324.2 | 1718 | 16.5 | 72 | 10.3 | 336.6 | 1719 | 825 |
| 850 | 16.9 | 68 | 9.7 | 332.4 | 1460 | 15.5 | 71 | 9.3 | 329.4 | 1478 | 18.3 | 45 | 7.0 | 326.6 | 1463 | 17.2 | 92 | 13.4 | 343.1 | 1464 | 850 |
| 875 | 17.4 | 83 | 11.9 | 336.2 | 1212 | 16.9 | 72 | 10.0 | 330.3 | 1231 | 19.5 | 50 | 8.1 | 328.2 | 1214 | 18.4 | 92 | 14.2 | 343.7 | 1215 | 875 |
| 900 | 18.8 | 95 | 14.7 | 342.7 | 970 | 18.2 | 73 | 10.8 | 331.3 | 989 | 20.6 | 54 | 9.2 | 329.9 | 971 | 20.0 | 91 | 15.1 | 345.6 | 972 | 900 |
| 925 | 20.6 | 98 | 16.4 | 346.8 | 733 | 19.5 | 75 | 11.6 | 332.4 | 754 | 21.8 | 62 | 11.0 | 333.7 | 733 | 21.7 | 90 | 16.2 | 347.6 | 733 | 925 |
| 950 | 22.4 | 97 | 17.7 | 350.0 | 500 | 20.7 | 76 | 12.4 | 333.5 | 523 | 23.0 | 70 | 13.2 | 338.5 | 501 | 23.2 | 90 | 17.2 | 349.7 | 500 | 950 |
| 975 | 24.2 | 95 | 19.0 | 353.3 | 272 | 22.3 | 77 | 13.6 | 336.1 | 297 | 25.4 | 67 | 14.2 | 341.6 | 273 | 24.8 | 89 | 18.2 | 351.9 | 272 | 975 |
| 1000 | 26.0 | 94 | 20.4 | 356.6 | 49 | 26.4 | 81 | 17.8 | 350.3 | 74 | 28.9 | 66 | 16.8 | 350.5 | 48 | 26.3 | 88 | 19.3 | 354.1 | 48 | 1000 |
| SFC. | 26.4 | 94 | 20.7 | 357.4 | 0 | 27.8 | 82 | 19.5 | 355.7 | 0 | 29.7 | 69 | 18.3 | 355.4 | 0 | 26.6 | 88 | 19.6 | 354.6 | 0 | SFC. |
| | SURFACE PRESSURE 1005.5 | | | | | SURFACE PRESSURE 1008.4 | | | | | SURFACE PRESSURE 1005.4 | | | | | SURFACE PRESSURE 1005.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/ 8 15 3 GMT T | RH | W | EPT | H | 3/ 8 1840 GMT T | RH | W | EPT | H | 3/ 8 2249 GMT T | RH | W | EPT | H | 3/ 9 6 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.3 | 0 | 0.0 | 458.0 | 19495 | -67.8 | 0 | 0.0 | 459.1 | 19579 | -71.3 | 0 | 0.0 | 451.4 | 19514 | -67.6 | 0 | 0.0 | 459.6 | 19508 | 60 |
| 70 | -70.0 | 0 | 0.0 | 434.6 | 18575 | -66.6 | 0 | 0.0 | 441.9 | 18651 | -70.5 | 0 | 0.0 | 433.6 | 18606 | -73.6 | 0 | 0.0 | 426.9 | 18602 | 70 |
| 80 | -75.3 | 0 | 0.0 | 407.5 | 17791 | -73.5 | 0 | 0.0 | 411.2 | 17860 | -73.3 | 0 | 0.0 | 411.5 | 17814 | -72.1 | 0 | 0.0 | 414.0 | 17819 | 80 |
| 90 | -78.5 | 0 | 0.0 | 387.6 | 17115 | -77.5 | 14 | .0 | 389.6 | 17177 | -77.7 | 20 | .0 | 389.1 | 17133 | -77.3 | 20 | .0 | 390.0 | 17134 | 90 |
| 100 | -80.4 | 0 | 0.0 | 372.4 | 16518 | -78.0 | 14 | .0 | 377.1 | 16574 | -81.5 | 20 | .0 | 370.3 | 16536 | -82.3 | 21 | .0 | 368.7 | 16537 | 100 |
| 110 | -80.5 | 25 | .0 | 362.2 | 15981 | -78.7 | 15 | .0 | 365.7 | 16030 | -79.4 | 20 | .0 | 364.3 | 15998 | -79.7 | 21 | .0 | 363.7 | 16001 | 110 |
| 120 | -77.9 | 25 | .0 | 358.0 | 15487 | -76.6 | 15 | .0 | 360.5 | 15533 | -77.5 | 20 | .0 | 358.8 | 15502 | -77.3 | 20 | .0 | 359.1 | 15505 | 120 |
| 130 | -74.4 | 25 | .0 | 356.3 | 15026 | -73.0 | 14 | .0 | 358.8 | 15068 | -74.0 | 20 | .0 | 356.9 | 15039 | -74.7 | 20 | .0 | 355.7 | 15043 | 130 |
| 140 | -71.0 | 25 | .0 | 354.7 | 14591 | -69.7 | 14 | .0 | 357.1 | 14630 | -70.8 | 20 | .0 | 355.0 | 14604 | -71.3 | 20 | .0 | 354.2 | 14609 | 140 |
| 150 | -68.0 | 25 | .0 | 353.1 | 14179 | -66.5 | 14 | .0 | 355.6 | 14216 | -67.9 | 20 | .0 | 353.2 | 14192 | -68.1 | 20 | .0 | 352.8 | 14198 | 150 |
| 160 | -65.1 | 25 | .0 | 351.5 | 13789 | -63.5 | 14 | .0 | 354.1 | 13822 | -64.8 | 20 | .0 | 352.0 | 13801 | -65.1 | 20 | .0 | 351.5 | 13807 | 160 |
| 170 | -62.3 | 25 | .0 | 350.0 | 13417 | -60.8 | 13 | .0 | 352.6 | 13448 | -61.8 | 20 | .0 | 350.9 | 13428 | -62.0 | 20 | .0 | 350.6 | 13435 | 170 |
| 180 | -59.8 | 25 | .0 | 348.5 | 13062 | -58.1 | 13 | .0 | 351.2 | 13090 | -58.9 | 20 | .0 | 349.9 | 13072 | -59.1 | 19 | .0 | 349.7 | 13079 | 180 |
| 190 | -57.1 | 25 | .0 | 347.5 | 12722 | -55.7 | 13 | .0 | 349.8 | 12748 | -56.3 | 19 | .0 | 348.9 | 12731 | -56.3 | 19 | .0 | 348.8 | 12738 | 190 |
| 200 | -54.4 | 25 | .0 | 346.8 | 12395 | -53.3 | 13 | .0 | 348.5 | 12419 | -53.7 | 19 | .0 | 347.8 | 12403 | -53.7 | 19 | .0 | 347.9 | 12411 | 200 |
| 225 | -48.2 | 24 | .1 | 344.9 | 11630 | -47.4 | 13 | .0 | 346.0 | 11651 | -47.7 | 19 | .0 | 345.6 | 11636 | -47.7 | 19 | .0 | 345.6 | 11643 | 225 |
| 250 | -42.7 | 24 | .1 | 343.0 | 10927 | -41.8 | 13 | .0 | 344.2 | 10946 | -42.1 | 18 | .1 | 343.8 | 10932 | -42.3 | 18 | .1 | 343.5 | 10939 | 250 |
| 275 | -37.1 | 22 | .1 | 342.0 | 10277 | -36.7 | 12 | .1 | 342.4 | 10293 | -37.0 | 18 | .1 | 342.0 | 10280 | -37.4 | 18 | .1 | 341.5 | 10288 | 275 |
| 300 | -31.8 | 20 | .2 | 341.3 | 9668 | -31.9 | 12 | .1 | 340.8 | 9684 | -32.0 | 18 | .2 | 340.9 | 9672 | -32.9 | 17 | .1 | 339.6 | 9682 | 300 |
| 325 | -27.6 | 19 | .2 | 339.7 | 9098 | -27.3 | 11 | .1 | 339.6 | 9113 | -27.2 | 18 | .2 | 340.1 | 9101 | -28.2 | 17 | .2 | 338.7 | 9113 | 325 |
| 350 | -22.7 | 16 | .3 | 339.3 | 8559 | -23.1 | 11 | .2 | 338.4 | 8575 | -22.8 | 17 | .3 | 339.3 | 8562 | -23.6 | 16 | .3 | 338.0 | 8576 | 350 |
| 375 | -18.1 | 14 | .3 | 339.0 | 8049 | -19.1 | 10 | .2 | 337.3 | 8066 | -18.7 | 17 | .4 | 338.5 | 8052 | -19.3 | 15 | .3 | 337.4 | 8068 | 375 |
| 400 | -14.3 | 14 | .4 | 338.2 | 7563 | -15.4 | 10 | .3 | 336.1 | 7582 | -14.8 | 17 | .5 | 337.7 | 7567 | -15.3 | 15 | .4 | 336.8 | 7584 | 400 |
| 425 | -10.9 | 16 | .6 | 337.3 | 7100 | -11.5 | 10 | .4 | 335.7 | 7121 | -12.0 | 17 | .6 | 335.9 | 7106 | -11.5 | 15 | .6 | 336.3 | 7123 | 425 |
| 450 | -9.4 | 17 | .7 | 334.0 | 6660 | -8.5 | 10 | .4 | 334.2 | 6680 | -9.3 | 17 | .7 | 334.1 | 6666 | -8.4 | 16 | .7 | 335.3 | 6682 | 450 |
| 475 | -6.5 | 15 | .7 | 332.7 | 6240 | -5.8 | 10 | .5 | 332.7 | 6259 | -6.8 | 16 | .8 | 332.5 | 6247 | -6.9 | 19 | .9 | 332.8 | 6261 | 475 |
| 500 | -3.7 | 13 | .8 | 331.3 | 5837 | -3.4 | 10 | .6 | 331.1 | 5855 | -4.4 | 16 | .9 | 330.9 | 5844 | -3.7 | 15 | .9 | 331.7 | 5859 | 500 |
| 525 | -2.3 | 15 | .9 | 329.0 | 5451 | -1.2 | 10 | .7 | 329.4 | 5468 | -2.2 | 16 | 1.0 | 329.4 | 5459 | -1.7 | 13 | .8 | 329.5 | 5472 | 525 |
| 550 | .5 | 13 | .9 | 327.9 | 5080 | .8 | 10 | .7 | 327.7 | 5096 | -.2 | 16 | 1.1 | 327.7 | 5088 | .9 | 13 | 1.0 | 328.7 | 5100 | 550 |
| 575 | 1.7 | 21 | 1.6 | 327.4 | 4723 | .9 | 10 | .7 | 323.6 | 4739 | .8 | 17 | 1.2 | 325.1 | 4732 | 1.6 | 16 | 1.2 | 326.1 | 4742 | 575 |
| 600 | 2.4 | 32 | 2.4 | 327.1 | 4379 | 2.8 | 10 | .8 | 322.2 | 4397 | 1.8 | 18 | 1.3 | 322.7 | 4389 | 3.0 | 16 | 1.3 | 324.0 | 4399 | 600 |
| 625 | 4.8 | 29 | 2.5 | 326.3 | 4048 | 5.2 | 11 | .9 | 321.7 | 4065 | 4.3 | 18 | 1.5 | 322.5 | 4059 | 4.7 | 25 | 2.2 | 325.1 | 4067 | 625 |
| 650 | 7.1 | 26 | 2.5 | 325.3 | 3727 | 7.4 | 11 | 1.1 | 321.3 | 3744 | 6.8 | 17 | 1.7 | 322.3 | 3738 | 7.7 | 18 | 1.8 | 323.7 | 3746 | 650 |
| 675 | 9.4 | 22 | 2.4 | 324.1 | 3416 | 9.6 | 12 | 1.3 | 320.9 | 3433 | 9.1 | 17 | 1.8 | 322.1 | 3427 | 9.6 | 18 | 1.9 | 322.9 | 3434 | 675 |
| 700 | 11.3 | 30 | 3.6 | 326.6 | 3113 | 11.7 | 12 | 1.5 | 320.6 | 3130 | 11.4 | 17 | 2.0 | 322.0 | 3125 | 11.4 | 18 | 2.2 | 322.4 | 3132 | 700 |
| 725 | 12.8 | 49 | 6.3 | 333.2 | 2819 | 13.0 | 16 | 2.0 | 320.5 | 2836 | 12.8 | 26 | 3.3 | 324.2 | 2831 | 13.1 | 19 | 2.4 | 321.9 | 2838 | 725 |
| 750 | 14.6 | 35 | 4.8 | 327.7 | 2533 | 14.2 | 19 | 2.6 | 320.4 | 2551 | 14.1 | 35 | 4.7 | 326.7 | 2546 | 14.3 | 56 | 7.7 | 335.7 | 2553 | 750 |
| 775 | 15.8 | 33 | 4.8 | 326.0 | 2255 | 15.4 | 22 | 3.2 | 320.5 | 2274 | 13.5 | 67 | 8.4 | 333.7 | 2270 | 15.5 | 88 | 12.6 | 348.2 | 2274 | 775 |
| 800 | 16.4 | 50 | 7.3 | 330.8 | 1985 | 16.3 | 33 | 4.8 | 323.4 | 2005 | 15.2 | 90 | 12.3 | 343.6 | 2001 | 16.7 | 99 | 15.0 | 353.1 | 2003 | 800 |
| 825 | 16.5 | 82 | 11.8 | 340.7 | 1723 | 16.8 | 52 | 7.6 | 329.1 | 1743 | 16.3 | 92 | 13.2 | 344.4 | 1738 | 17.9 | 71 | 11.2 | 340.8 | 1739 | 825 |
| 850 | 17.9 | 84 | 12.9 | 342.6 | 1467 | 17.2 | 70 | 10.2 | 334.0 | 1488 | 17.4 | 94 | 14.1 | 345.2 | 1483 | 18.4 | 94 | 14.9 | 348.8 | 1482 | 850 |
| 875 | 19.3 | 87 | 14.1 | 344.7 | 1218 | 19.1 | 68 | 10.8 | 335.4 | 1239 | 19.1 | 91 | 14.7 | 346.0 | 1233 | 20.5 | 79 | 13.9 | 345.8 | 1232 | 875 |
| 900 | 20.7 | 89 | 15.3 | 346.8 | 974 | 20.6 | 69 | 11.8 | 337.1 | 996 | 20.8 | 84 | 14.6 | 345.1 | 989 | 21.5 | 83 | 15.0 | 347.2 | 987 | 900 |
| 925 | 22.0 | 91 | 16.5 | 349.2 | 735 | 21.9 | 72 | 13.0 | 339.2 | 758 | 22.4 | 77 | 14.3 | 343.6 | 751 | 21.8 | 96 | 17.4 | 351.2 | 748 | 925 |
| 950 | 23.3 | 93 | 17.8 | 351.6 | 502 | 23.1 | 76 | 14.3 | 341.5 | 525 | 24.0 | 69 | 13.9 | 341.6 | 517 | 23.4 | 94 | 18.1 | 352.4 | 515 | 950 |
| 975 | 25.1 | 88 | 18.3 | 352.6 | 273 | 25.1 | 73 | 15.2 | 343.9 | 297 | 25.4 | 69 | 14.7 | 343.1 | 289 | 24.9 | 90 | 18.7 | 353.4 | 286 | 975 |
| 1000 | 26.5 | 87 | 19.4 | 354.5 | 49 | 27.0 | 77 | 17.7 | 350.6 | 73 | 26.6 | 82 | 18.1 | 351.3 | 65 | 26.5 | 87 | 19.3 | 354.2 | 62 | 1000 |
| SFC. | 26.5 | 91 | 20.1 | 356.0 | 0 | 27.4 | 86 | 20.0 | 356.6 | 0 | 26.9 | 85 | 19.2 | 353.8 | 0 | 26.9 | 86 | 19.4 | 354.5 | 0 | SFC. |
| | SURFACE PRESSURE 1005.5 | | | | | SURFACE PRESSURE 1008.2 | | | | | SURFACE PRESSURE 1007.3 | | | | | SURFACE PRESSURE 1007.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/ 9 930 GMT T | RH | W | EPT | H | 3/ 9 1240 GMT T | RH | W | EPT | H | 3/10 12 0 GMT T | RH | W | EPT | H | 3/10 1441 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.8 | 0 | 0.0 | 456.9 | 19545 | -68.5 | 0 | 0.0 | 457.6 | 19527 | -65.4 | 0 | 0.0 | 464.5 | 19496 | -61.8 | 0 | 0.0 | 472.6 | 19479 | 60 |
| 70 | -72.7 | 0 | 0.0 | 428.9 | 18636 | -72.2 | 0 | 0.0 | 429.9 | 18615 | -72.0 | 0 | 0.0 | 430.4 | 18584 | -72.5 | 0 | 0.0 | 429.4 | 18544 | 70 |
| 80 | -75.9 | 16 | .0 | 406.2 | 17853 | -72.2 | 0 | 0.0 | 413.8 | 17829 | -72.9 | 0 | 0.0 | 412.4 | 17797 | -72.4 | 0 | 0.0 | 413.5 | 17756 | 80 |
| 90 | -82.3 | 16 | .0 | 380.0 | 17190 | -81.9 | 14 | .0 | 380.8 | 17155 | -82.4 | 13 | .0 | 379.8 | 17127 | -82.6 | 20 | .0 | 379.4 | 17076 | 90 |
| 100 | -79.5 | 16 | .0 | 374.2 | 16596 | -79.5 | 15 | .0 | 374.2 | 16561 | -81.5 | 12 | .0 | 370.3 | 16540 | -83.9 | 20 | .0 | 365.6 | 16494 | 100 |
| 110 | -78.9 | 16 | .0 | 365.1 | 16053 | -77.2 | 15 | .0 | 368.4 | 16017 | -78.5 | 12 | .0 | 366.0 | 16001 | -80.2 | 20 | .0 | 362.8 | 15961 | 110 |
| 120 | -77.5 | 15 | .0 | 358.8 | 15558 | -78.1 | 14 | .0 | 357.7 | 15519 | -78.1 | 12 | .0 | 357.8 | 15504 | -79.3 | 19 | .0 | 355.4 | 15469 | 120 |
| 130 | -74.2 | 15 | .0 | 356.6 | 15096 | -74.6 | 14 | .0 | 355.9 | 15058 | -74.6 | 14 | .0 | 355.9 | 15043 | -75.6 | 19 | .0 | 354.0 | 15010 | 130 |
| 140 | -70.5 | 15 | .0 | 355.6 | 14660 | -70.9 | 13 | .0 | 354.9 | 14623 | -71.3 | 16 | .0 | 354.2 | 14608 | -72.2 | 19 | .0 | 352.7 | 14578 | 140 |
| 150 | -67.1 | 15 | .0 | 354.6 | 14247 | -67.5 | 13 | .0 | 353.9 | 14211 | -68.1 | 16 | .0 | 352.8 | 14197 | -68.9 | 19 | .0 | 351.5 | 14168 | 150 |
| 160 | -63.8 | 15 | .0 | 353.6 | 13855 | -64.2 | 12 | .0 | 352.9 | 13819 | -64.9 | 15 | .0 | 351.8 | 13807 | -65.8 | 18 | .0 | 350.3 | 13779 | 160 |
| 170 | -60.6 | 14 | .0 | 352.8 | 13480 | -61.2 | 12 | .0 | 351.8 | 13446 | -61.9 | 14 | .0 | 350.8 | 13434 | -62.9 | 18 | .0 | 349.1 | 13409 | 170 |
| 180 | -57.6 | 14 | .0 | 352.2 | 13122 | -58.4 | 11 | .0 | 350.8 | 13088 | -59.0 | 13 | .0 | 349.8 | 13078 | -60.1 | 18 | .0 | 348.0 | 13054 | 180 |
| 190 | -54.6 | 13 | .0 | 351.5 | 12778 | -55.7 | 11 | .0 | 349.8 | 12746 | -56.3 | 13 | .0 | 348.8 | 12737 | -57.2 | 18 | .0 | 347.4 | 12715 | 190 |
| 200 | -51.9 | 13 | .0 | 350.7 | 12448 | -53.1 | 11 | .0 | 348.8 | 12418 | -53.6 | 12 | .0 | 348.0 | 12409 | -54.4 | 17 | .0 | 346.8 | 12388 | 200 |
| 225 | -45.9 | 12 | .0 | 348.3 | 11674 | -47.0 | 0 | 0.0 | 346.4 | 11648 | -46.6 | 11 | .0 | 347.2 | 11640 | -48.0 | 16 | .0 | 345.2 | 11622 | 225 |
| 250 | -40.7 | 12 | .1 | 345.7 | 10965 | -41.2 | 0 | 0.0 | 344.9 | 10942 | -40.4 | 10 | .0 | 346.2 | 10931 | -41.7 | 15 | .1 | 344.3 | 10918 | 250 |
| 275 | -36.1 | 11 | .1 | 343.3 | 10310 | -35.9 | M | M | M | 10287 | -35.7 | 10 | .1 | 343.9 | 10275 | -35.9 | 14 | .1 | 343.6 | 10264 | 275 |
| 300 | -31.8 | 11 | .1 | 341.0 | 9700 | -31.0 | M | M | M | 9676 | -31.4 | 10 | .1 | 341.5 | 9664 | -31.2 | 15 | .1 | 342.0 | 9653 | 300 |
| 325 | -27.3 | 11 | .1 | 339.6 | 9129 | -26.6 | M | M | M | 9103 | -27.1 | 10 | .1 | 339.8 | 9093 | -27.1 | 15 | .2 | 340.1 | 9081 | 325 |
| 350 | -22.8 | 11 | .2 | 338.8 | 8591 | -22.4 | M | M | M | 8563 | -23.4 | 11 | .2 | 338.0 | 8555 | -23.3 | 16 | .3 | 338.4 | 8543 | 350 |
| 375 | -18.5 | 10 | .2 | 338.1 | 8081 | -18.6 | M | M | M | 8053 | -19.9 | 13 | .3 | 336.4 | 8047 | -21.0 | 23 | .4 | 335.5 | 8036 | 375 |
| 400 | -14.6 | 10 | .3 | 337.3 | 7596 | -15.0 | M | M | M | 7568 | -14.7 | 10 | .3 | 337.1 | 7563 | -16.6 | 18 | .5 | 335.2 | 7556 | 400 |
| 425 | -10.9 | 10 | .4 | 336.5 | 7133 | -12.3 | M | M | M | 7108 | -11.4 | 10 | .4 | 335.8 | 7101 | -12.7 | 15 | .5 | 334.6 | 7097 | 425 |
| 450 | -8.7 | 14 | .6 | 334.6 | 6692 | -9.8 | M | M | M | 6669 | -8.7 | 10 | .4 | 334.0 | 6661 | -9.5 | 14 | .6 | 333.5 | 6658 | 450 |
| 475 | -7.3 | 19 | .9 | 332.2 | 6272 | -7.4 | M | M | M | 6250 | -7.4 | 12 | .6 | 331.0 | 6240 | -6.9 | 14 | .7 | 331.9 | 6238 | 475 |
| 500 | -3.8 | 14 | .8 | 331.3 | 5869 | -5.1 | M | M | M | 5849 | -5.2 | 16 | .8 | 329.8 | 5840 | -5.6 | 19 | 1.0 | 329.7 | 5837 | 500 |
| 525 | -1.2 | 10 | .7 | 329.4 | 5482 | -2.6 | M | M | M | 5464 | -1.9 | 14 | .9 | 329.2 | 5454 | -2.3 | 17 | 1.0 | 329.3 | 5452 | 525 |
| 550 | 1.0 | 10 | .7 | 328.1 | 5110 | -.2 | M | M | M | 5094 | 1.1 | 11 | .8 | 328.4 | 5083 | .3 | 15 | 1.1 | 328.3 | 5081 | 550 |
| 575 | 2.8 | 10 | .8 | 326.3 | 4752 | 2.1 | 10 | .8 | 325.3 | 4737 | 2.8 | 11 | .9 | 326.5 | 4724 | 1.8 | 15 | 1.1 | 326.1 | 4724 | 575 |
| 600 | 3.6 | 13 | 1.0 | 324.0 | 4407 | 4.3 | 11 | .9 | 324.3 | 4392 | 3.6 | 13 | 1.1 | 324.0 | 4379 | 3.2 | 15 | 1.2 | 324.0 | 4380 | 600 |
| 625 | 5.4 | 15 | 1.3 | 323.2 | 4075 | 6.3 | 11 | 1.0 | 323.4 | 4059 | 5.0 | 15 | 1.3 | 322.5 | 4048 | 5.2 | 24 | 2.1 | 325.7 | 4048 | 625 |
| 650 | 7.6 | 15 | 1.6 | 322.9 | 3754 | 8.3 | 11 | 1.2 | 322.5 | 3737 | 7.3 | 16 | 1.6 | 322.7 | 3727 | 7.3 | 38 | 3.8 | 329.5 | 3727 | 650 |
| 675 | 9.4 | 27 | 2.9 | 325.7 | 3442 | 10.2 | 12 | 1.3 | 321.7 | 3424 | 9.7 | 10 | 1.1 | 320.4 | 3415 | 8.7 | 50 | 5.2 | 332.0 | 3415 | 675 |
| 700 | 11.2 | 32 | 3.8 | 327.1 | 3139 | 12.0 | 12 | 1.5 | 321.0 | 3121 | 10.1 | 19 | 2.1 | 320.5 | 3113 | 10.3 | 44 | 4.9 | 329.5 | 3113 | 700 |
| 725 | 13.5 | 17 | 2.2 | 321.7 | 2845 | 13.8 | 12 | 1.7 | 320.3 | 2827 | 10.9 | 54 | 6.1 | 330.3 | 2821 | 11.6 | 70 | 8.3 | 337.6 | 2820 | 725 |
| 750 | 15.1 | 27 | 3.8 | 325.1 | 2559 | 15.5 | 13 | 1.9 | 319.7 | 2541 | 12.7 | 77 | 9.5 | 339.0 | 2537 | 13.0 | 80 | 10.0 | 340.9 | 2535 | 750 |
| 775 | 16.2 | 47 | 7.0 | 332.9 | 2281 | 16.8 | 34 | 5.2 | 328.3 | 2263 | 14.5 | 90 | 12.1 | 345.6 | 2260 | 14.3 | 88 | 11.7 | 344.1 | 2258 | 775 |
| 800 | 18.0 | 29 | 4.7 | 325.3 | 2010 | 18.2 | 15 | 2.4 | 318.3 | 1992 | 16.1 | 99 | 14.4 | 350.7 | 1990 | 15.8 | 90 | 12.8 | 345.8 | 1988 | 800 |
| 825 | 18.5 | 85 | 14.0 | 349.4 | 1746 | 20.0 | 17 | 3.0 | 319.5 | 1728 | 17.3 | 98 | 14.8 | 350.2 | 1726 | 17.2 | 92 | 14.0 | 347.7 | 1725 | 825 |
| 850 | 18.9 | 92 | 15.0 | 349.7 | 1489 | 16.8 | 97 | 13.9 | 343.9 | 1472 | 18.4 | 97 | 15.3 | 349.7 | 1470 | 18.6 | 95 | 15.2 | 349.8 | 1468 | 850 |
| 875 | 19.7 | 91 | 15.3 | 348.6 | 1239 | 18.6 | 96 | 15.0 | 346.2 | 1223 | 19.4 | 96 | 15.7 | 349.3 | 1219 | 19.1 | 98 | 15.8 | 349.1 | 1218 | 875 |
| 900 | 20.5 | 91 | 15.6 | 347.5 | 994 | 20.3 | 96 | 16.1 | 348.5 | 980 | 20.5 | 95 | 16.1 | 348.9 | 975 | 19.9 | 98 | 16.1 | 348.0 | 974 | 900 |
| 925 | 22.1 | 88 | 16.2 | 348.4 | 756 | 21.9 | 95 | 17.3 | 351.0 | 741 | 21.6 | 95 | 16.8 | 349.2 | 737 | 21.4 | 97 | 17.0 | 349.6 | 736 | 925 |
| 950 | 23.9 | 85 | 16.9 | 349.8 | 522 | 23.5 | 94 | 18.4 | 353.6 | 507 | 22.7 | 96 | 17.7 | 350.5 | 504 | 22.9 | 95 | 17.9 | 351.2 | 503 | 950 |
| 975 | 25.5 | 82 | 17.5 | 351.0 | 294 | 25.1 | 94 | 19.7 | 356.2 | 279 | 23.8 | 97 | 18.7 | 351.6 | 276 | 24.4 | 94 | 18.8 | 352.7 | 275 | 975 |
| 1000 | 27.0 | 80 | 18.4 | 352.4 | 69 | 26.6 | 93 | 20.9 | 358.9 | 54 | 24.8 | 98 | 19.7 | 353.2 | 53 | 25.8 | 92 | 19.6 | 354.3 | 51 | 1000 |
| SFC. | 27.0 | 84 | 19.0 | 353.5 | 0 | 27.0 | 93 | 21.2 | 359.6 | 0 | 25.1 | 98 | 19.9 | 353.5 | 0 | 26.1 | 92 | 19.8 | 354.7 | 0 | SFC. |
| | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1006.1 | | | | | SURFACE PRESSURE 1006.0 | | | | | SURFACE PRESSURE 1005.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/10 18 0 GMT T | RH | W | EPT | H | 3/10 2045 GMT T | RH | W | EPT | H | 3/10 2345 GMT T | RH | W | EPT | H | 3/11 3 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.3 | 0 | 0.0 | 467.0 | 19573 | -65.8 | 0 | 0.0 | 463.6 | 19427 | -66.6 | 18 | .0 | 461.9 | 19487 | 60 |
| 70 | -69.0 | 15 | .0 | 436.8 | 18676 | -71.0 | 0 | 0.0 | 432.5 | 18642 | -73.5 | 0 | 0.0 | 427.2 | 18512 | -70.8 | 19 | .0 | 433.0 | 18557 | 70 |
| 80 | -71.2 | 15 | .0 | 415.9 | 17882 | -72.5 | 0 | 0.0 | 413.2 | 17849 | -75.1 | 19 | .0 | 408.0 | 17735 | -78.0 | 19 | .0 | 401.8 | 17784 | 80 |
| 90 | -80.5 | 15 | .0 | 383.5 | 17200 | -77.4 | 16 | .0 | 389.8 | 17166 | -78.4 | 19 | .0 | 387.8 | 17054 | -80.7 | 19 | .0 | 383.2 | 17115 | 90 |
| 100 | -80.8 | 15 | .0 | 371.6 | 16609 | -81.7 | 17 | .0 | 369.9 | 16568 | -81.0 | 20 | .0 | 371.3 | 16460 | -82.1 | 19 | .0 | 369.1 | 16525 | 100 |
| 110 | -78.3 | 16 | .0 | 366.3 | 16069 | -79.4 | 17 | .0 | 364.2 | 16031 | -80.8 | 19 | .0 | 361.6 | 15924 | -79.9 | 19 | .0 | 363.4 | 15988 | 110 |
| 120 | -75.4 | 16 | .0 | 362.7 | 15569 | -77.4 | 17 | .0 | 359.0 | 15535 | -77.9 | 19 | .0 | 358.1 | 15431 | -77.8 | 19 | .0 | 358.3 | 15493 | 120 |
| 130 | -72.6 | 15 | .0 | 359.5 | 15102 | -74.4 | 17 | .0 | 356.2 | 15073 | -74.5 | 19 | .0 | 356.1 | 14969 | -74.0 | 19 | .0 | 356.9 | 15031 | 130 |
| 140 | -70.0 | 15 | .0 | 356.6 | 14664 | -71.4 | 16 | .0 | 354.0 | 14638 | -71.4 | 19 | .0 | 354.1 | 14535 | -70.6 | 18 | .0 | 355.5 | 14595 | 140 |
| 150 | -67.0 | 15 | .0 | 354.6 | 14251 | -68.1 | 16 | .0 | 352.9 | 14227 | -68.5 | 19 | .0 | 352.2 | 14124 | -67.3 | 18 | .0 | 354.1 | 14182 | 150 |
| 160 | -63.6 | 15 | .0 | 354.0 | 13858 | -64.5 | 16 | .0 | 352.4 | 13836 | -65.7 | 19 | .0 | 350.4 | 13734 | -64.2 | 18 | .0 | 352.9 | 13790 | 160 |
| 170 | -60.3 | 15 | .0 | 353.4 | 13483 | -61.2 | 15 | .0 | 351.9 | 13463 | -62.9 | 19 | .0 | 349.1 | 13364 | -61.2 | 18 | .0 | 351.9 | 13417 | 170 |
| 180 | -57.2 | 15 | .0 | 352.7 | 13124 | -58.1 | 15 | .0 | 351.3 | 13106 | -60.2 | 19 | .0 | 347.8 | 13009 | -58.3 | 19 | .0 | 350.9 | 13060 | 180 |
| 190 | -54.4 | 15 | .0 | 351.8 | 12780 | -55.2 | 15 | .0 | 350.5 | 12763 | -57.7 | 18 | .0 | 346.6 | 12670 | -55.6 | 19 | .0 | 349.9 | 12717 | 190 |
| 200 | -52.3 | 15 | .0 | 350.1 | 12450 | -52.8 | 16 | .0 | 349.3 | 12434 | -55.3 | 18 | .0 | 345.4 | 12345 | -53.0 | 19 | .0 | 348.9 | 12389 | 200 |
| 225 | -46.1 | 14 | .0 | 348.0 | 11678 | -47.1 | 17 | .0 | 346.5 | 11664 | -48.9 | 20 | .0 | 343.8 | 11583 | -46.2 | 17 | .0 | 347.9 | 11618 | 225 |
| 250 | -40.3 | 14 | .1 | 346.5 | 10968 | -41.2 | 16 | .1 | 345.2 | 10958 | -42.7 | 23 | .1 | 343.0 | 10881 | -40.4 | 21 | .1 | 346.4 | 10909 | 250 |
| 275 | -35.0 | 13 | .1 | 344.9 | 10311 | -35.7 | 14 | .1 | 343.9 | 10302 | -37.1 | 26 | .2 | 342.1 | 10230 | -35.4 | 28 | .2 | 344.7 | 10252 | 275 |
| 300 | -30.4 | 13 | .1 | 343.1 | 9698 | -31.4 | 10 | .1 | 341.6 | 9692 | -32.0 | 29 | .3 | 341.3 | 9622 | -30.8 | 34 | .3 | 343.3 | 9640 | 300 |
| 325 | -26.1 | 12 | .2 | 341.5 | 9124 | -27.0 | 10 | .1 | 340.1 | 9120 | -27.8 | 27 | .3 | 339.7 | 9052 | -28.5 | 21 | .2 | 338.4 | 9069 | 325 |
| 350 | -22.1 | 12 | .2 | 339.9 | 8583 | -22.9 | 10 | .2 | 338.7 | 8581 | -23.9 | 26 | .4 | 338.1 | 8515 | -23.7 | 11 | .2 | 337.5 | 8533 | 350 |
| 375 | -19.6 | 14 | .3 | 336.9 | 8073 | -19.4 | 14 | .3 | 337.1 | 8071 | -20.4 | 24 | .5 | 336.6 | 8007 | -20.3 | 11 | .2 | 335.7 | 8025 | 375 |
| 400 | -15.4 | 13 | .4 | 336.4 | 7590 | -16.2 | 11 | .3 | 335.1 | 7589 | -17.0 | 23 | .6 | 335.1 | 7526 | -16.6 | 12 | .3 | 334.6 | 7544 | 400 |
| 425 | -12.0 | 13 | .5 | 335.4 | 7129 | -12.0 | 10 | .4 | 335.0 | 7129 | -14.2 | 21 | .6 | 333.2 | 7069 | -12.8 | 11 | .4 | 334.0 | 7085 | 425 |
| 450 | -8.8 | 14 | .6 | 334.5 | 6689 | -9.1 | 11 | .5 | 333.7 | 6689 | -11.0 | 17 | .6 | 331.8 | 6633 | -9.2 | 10 | .4 | 333.4 | 6646 | 450 |
| 475 | -5.7 | 14 | .7 | 333.7 | 6268 | -6.8 | 16 | .8 | 332.3 | 6269 | -9.2 | 32 | 1.3 | 331.0 | 6217 | -7.0 | 27 | 1.3 | 334.0 | 6226 | 475 |
| 500 | -4.1 | 14 | .8 | 330.9 | 5865 | -5.4 | 16 | .8 | 329.5 | 5868 | -6.5 | 22 | 1.0 | 328.9 | 5818 | -6.5 | 61 | 2.9 | 334.9 | 5826 | 500 |
| 525 | -1.5 | 12 | .8 | 329.5 | 5479 | -2.3 | 13 | .8 | 328.6 | 5483 | -3.6 | 23 | 1.3 | 328.7 | 5435 | -3.2 | 38 | 2.2 | 331.9 | 5442 | 525 |
| 550 | .9 | 10 | .7 | 327.9 | 5107 | .0 | 26 | 1.8 | 330.4 | 5112 | -.7 | 30 | 2.0 | 330.0 | 5065 | -.1 | 15 | 1.0 | 327.7 | 5072 | 550 |
| 575 | 2.6 | 11 | .9 | 326.2 | 4749 | 1.5 | 23 | 1.7 | 327.6 | 4755 | 1.5 | 23 | 1.7 | 327.8 | 4708 | 1.9 | 10 | .8 | 324.9 | 4715 | 575 |
| 600 | 4.1 | 13 | 1.1 | 324.7 | 4404 | 4.8 | 12 | 1.1 | 325.5 | 4410 | 3.7 | 17 | 1.4 | 325.3 | 4364 | 4.2 | 10 | .9 | 324.1 | 4371 | 600 |
| 625 | 5.6 | 14 | 1.2 | 323.2 | 4072 | 6.3 | 14 | 1.3 | 324.2 | 4076 | 4.8 | 19 | 1.7 | 323.5 | 4032 | 6.5 | 10 | 1.0 | 323.3 | 4038 | 625 |
| 650 | 6.9 | 51 | 4.9 | 332.3 | 3750 | 8.1 | 26 | 2.7 | 326.9 | 3754 | 5.7 | 35 | 3.1 | 325.4 | 3712 | 6.3 | 26 | 2.4 | 323.9 | 3717 | 650 |
| 675 | 8.9 | 51 | 5.4 | 332.8 | 3438 | 9.9 | 39 | 4.4 | 330.9 | 3442 | 6.9 | 53 | 4.9 | 328.9 | 3403 | 7.8 | 54 | 5.3 | 330.9 | 3406 | 675 |
| 700 | 10.5 | 45 | 5.1 | 330.3 | 3136 | 9.9 | 62 | 6.7 | 334.3 | 3140 | 8.8 | 50 | 5.0 | 328.0 | 3102 | 9.3 | 56 | 5.9 | 331.2 | 3105 | 700 |
| 725 | 11.6 | 80 | 9.5 | 341.0 | 2844 | 12.0 | 63 | 7.7 | 336.2 | 2846 | 10.6 | 46 | 5.1 | 327.1 | 2811 | 10.6 | 52 | 5.7 | 328.9 | 2813 | 725 |
| 750 | 12.8 | 89 | 11.2 | 344.0 | 2559 | 13.8 | 61 | 8.1 | 336.4 | 2561 | 12.4 | 43 | 5.2 | 326.1 | 2527 | 10.7 | 46 | 4.9 | 323.4 | 2531 | 750 |
| 775 | 14.2 | 91 | 12.0 | 344.8 | 2281 | 14.5 | 65 | 8.8 | 336.0 | 2284 | 14.1 | 40 | 5.2 | 325.0 | 2252 | 14.0 | 78 | 10.1 | 339.1 | 2255 | 775 |
| 800 | 15.5 | 92 | 12.9 | 345.8 | 2012 | 16.0 | 67 | 9.5 | 336.8 | 2014 | 15.3 | 42 | 5.8 | 325.3 | 1983 | 15.3 | 83 | 11.3 | 341.0 | 1985 | 800 |
| 825 | 16.9 | 93 | 13.7 | 346.6 | 1749 | 17.9 | 66 | 10.4 | 338.7 | 1751 | 16.0 | 52 | 7.3 | 327.4 | 1722 | 16.5 | 86 | 12.5 | 342.6 | 1723 | 825 |
| 850 | 18.2 | 92 | 14.4 | 347.2 | 1492 | 19.1 | 68 | 11.2 | 339.3 | 1494 | 16.7 | 62 | 8.8 | 329.6 | 1467 | 17.7 | 88 | 13.4 | 343.8 | 1467 | 850 |
| 875 | 19.6 | 91 | 15.1 | 347.8 | 1242 | 19.6 | 72 | 11.9 | 338.8 | 1244 | 17.6 | 69 | 10.0 | 331.3 | 1219 | 18.9 | 91 | 14.4 | 345.1 | 1218 | 875 |
| 900 | 20.8 | 91 | 15.8 | 348.4 | 998 | 21.0 | 71 | 12.5 | 339.5 | 1000 | 19.2 | 67 | 10.5 | 331.8 | 977 | 20.1 | 93 | 15.5 | 346.5 | 974 | 900 |
| 925 | 22.1 | 90 | 16.5 | 349.1 | 759 | 22.5 | 70 | 13.1 | 340.2 | 762 | 20.8 | 66 | 11.0 | 332.3 | 741 | 21.1 | 93 | 16.1 | 346.7 | 736 | 925 |
| 950 | 23.3 | 89 | 17.2 | 349.8 | 526 | 23.9 | 69 | 13.7 | 341.0 | 529 | 22.2 | 64 | 11.5 | 332.8 | 509 | 22.3 | 90 | 16.3 | 346.1 | 504 | 950 |
| 975 | 24.5 | 89 | 17.9 | 350.5 | 298 | 25.2 | 68 | 14.3 | 341.7 | 300 | 23.7 | 63 | 12.0 | 333.4 | 282 | 24.0 | 84 | 16.4 | 345.7 | 276 | 975 |
| 1000 | 25.6 | 88 | 18.6 | 351.2 | 74 | 27.3 | 80 | 18.5 | 353.3 | 76 | 27.0 | 73 | 16.6 | 347.7 | 60 | 26.1 | 86 | 18.6 | 351.9 | 53 | 1000 |
| SFC. | 26.0 | 88 | 18.8 | 351.4 | 0 | 28.3 | 88 | 21.6 | 362.2 | 0 | 28.8 | 81 | 20.5 | 360.0 | 0 | 26.8 | 90 | 20.2 | 356.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1008.4 | | SURFACE PRESSURE | | | 1008.6 | | SURFACE PRESSURE | | | 1006.7 | | SURFACE PRESSURE | | | 1006.0 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/11 6 3 GMT T | RH | W | EPT | H | 3/11 9 0 GMT T | RH | W | EPT | H | 3/11 1137 GMT T | RH | W | EPT | H | 3/11 1925 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 0 | 0.0 | 462.3 | 19454 | -64.1 | 0 | 0.0 | 467.4 | 19489 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.6 | 0 | 0.0 | 433.4 | 18529 | -70.1 | 0 | 0.0 | 434.4 | 18554 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.5 | 49 | .0 | 405.1 | 17750 | -76.5 | 33 | .0 | 404.9 | 17777 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.1 | 49 | .0 | 384.4 | 17073 | -79.1 | 33 | .0 | 386.5 | 17097 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.7 | 49 | .0 | 369.9 | 16483 | -82.0 | 34 | .0 | 369.3 | 16506 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.1 | 49 | .0 | 363.0 | 15947 | -81.2 | 34 | .0 | 361.0 | 15971 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.4 | 49 | .0 | 357.1 | 15453 | -78.0 | 34 | .0 | 357.9 | 15479 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 49 | .0 | 355.6 | 14992 | -74.6 | 34 | .0 | 355.9 | 15017 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 49 | .0 | 354.1 | 14558 | -71.3 | 34 | .0 | 354.2 | 14583 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.1 | 49 | .0 | 352.9 | 14147 | -68.0 | 34 | .0 | 353.0 | 14172 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.7 | 49 | .0 | 352.1 | 13756 | -64.9 | 34 | .0 | 351.7 | 13781 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.6 | 49 | .0 | 351.3 | 13383 | -62.1 | 34 | .0 | 350.5 | 13409 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.7 | 49 | .0 | 350.5 | 13027 | -59.3 | 34 | .0 | 349.3 | 13053 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.9 | 49 | .1 | 349.6 | 12685 | -56.7 | 34 | .0 | 348.1 | 12713 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.0 | 51 | .1 | 347.6 | 12357 | -53.9 | 34 | .0 | 347.6 | 12385 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.7 | 53 | .1 | 345.9 | 11590 | -47.0 | 35 | .1 | 346.8 | 11617 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.1 | 55 | .2 | 344.4 | 10886 | -40.9 | 36 | .2 | 345.9 | 10910 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.7 | 56 | .3 | 343.5 | 10233 | -36.0 | 28 | .2 | 343.9 | 10255 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.5 | 57 | .5 | 343.0 | 9624 | -31.8 | 36 | .3 | 341.9 | 9645 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.6 | 60 | .7 | 341.4 | 9052 | -27.8 | 62 | .7 | 341.1 | 9074 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -24.6 | 45 | .7 | 338.2 | 8516 | -24.0 | 50 | .8 | 339.4 | 8538 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -21.1 | 45 | .9 | 336.9 | 8010 | -20.6 | 27 | .5 | 336.4 | 8031 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -17.1 | 10 | .2 | 333.8 | 7553 | -17.8 | 53 | 1.2 | 336.4 | 7531 | -17.0 | 16 | .4 | 334.5 | 7550 | -17.4 | 43 | 1.0 | 336.2 | 7553 | 400 |
| 425 | -13.5 | 10 | .3 | 332.9 | 7095 | -14.3 | 52 | 1.5 | 336.1 | 7074 | -13.0 | 16 | .5 | 334.3 | 7092 | -14.2 | 25 | .8 | 333.6 | 7096 | 425 |
| 450 | -10.1 | 10 | .4 | 332.0 | 6658 | -11.1 | 51 | 1.9 | 335.9 | 6638 | -9.7 | 21 | .9 | 334.2 | 6653 | -10.8 | 22 | .8 | 332.8 | 6660 | 450 |
| 475 | -6.9 | 10 | .5 | 331.2 | 6239 | -8.1 | 52 | 2.3 | 335.9 | 6220 | -7.9 | 45 | 2.0 | 335.2 | 6234 | -8.8 | 37 | 1.5 | 332.6 | 6243 | 475 |
| 500 | -5.9 | 61 | 3.0 | 336.0 | 5837 | -6.7 | 57 | 2.6 | 333.8 | 5819 | -7.0 | 78 | 3.5 | 336.2 | 5834 | -6.7 | 38 | 1.8 | 331.0 | 5844 | 500 |
| 525 | -3.6 | 30 | 1.7 | 329.9 | 5454 | -5.5 | 38 | 1.8 | 328.1 | 5437 | -4.2 | 48 | 2.6 | 332.0 | 5451 | -4.8 | 21 | 1.1 | 326.4 | 5461 | 525 |
| 550 | -.5 | 10 | .7 | 325.9 | 5084 | -2.9 | 37 | 2.1 | 327.7 | 5071 | -1.6 | 20 | 1.2 | 326.4 | 5083 | -2.2 | 15 | .9 | 324.7 | 5094 | 550 |
| 575 | 1.4 | 10 | .7 | 324.3 | 4728 | -.5 | 38 | 2.4 | 327.6 | 4717 | .8 | 12 | .9 | 324.0 | 4727 | .8 | 13 | .9 | 324.1 | 4739 | 575 |
| 600 | 3.2 | 10 | .8 | 322.7 | 4384 | 1.6 | 37 | 2.7 | 326.8 | 4375 | 3.1 | 13 | 1.0 | 323.2 | 4384 | 2.7 | 14 | 1.1 | 323.0 | 4396 | 600 |
| 625 | 4.9 | 10 | .9 | 321.1 | 4053 | 3.4 | 36 | 2.8 | 325.6 | 4045 | 5.3 | 13 | 1.1 | 322.5 | 4052 | 4.7 | 15 | 1.2 | 322.1 | 4065 | 625 |
| 650 | 6.6 | 12 | 1.1 | 320.2 | 3732 | 5.9 | 37 | 3.4 | 326.6 | 3725 | 7.5 | 18 | 1.8 | 323.5 | 3731 | 6.9 | 23 | 2.2 | 324.1 | 3744 | 650 |
| 675 | 8.2 | 56 | 5.7 | 332.8 | 3422 | 8.4 | 39 | 4.0 | 327.8 | 3415 | 8.6 | 55 | 5.7 | 333.3 | 3419 | 9.2 | 47 | 5.0 | 332.0 | 3433 | 675 |
| 700 | 9.9 | 48 | 5.2 | 329.7 | 3120 | 9.1 | 38 | 3.9 | 325.0 | 3114 | 10.3 | 47 | 5.3 | 330.5 | 3117 | 10.7 | 54 | 6.2 | 333.8 | 3130 | 700 |
| 725 | 8.3 | 38 | 3.6 | 319.9 | 2828 | 9.8 | 36 | 3.8 | 322.2 | 2823 | 12.3 | 29 | 3.6 | 324.7 | 2824 | 12.0 | 50 | 6.1 | 331.6 | 2837 | 725 |
| 750 | 11.9 | 95 | 11.2 | 342.9 | 2546 | 11.1 | 31 | 3.4 | 319.4 | 2541 | 12.9 | 81 | 10.1 | 341.1 | 2539 | 13.1 | 45 | 5.7 | 328.3 | 2552 | 750 |
| 775 | 13.2 | 95 | 11.8 | 342.8 | 2270 | 13.0 | 24 | 2.9 | 317.1 | 2266 | 14.1 | 88 | 11.5 | 343.2 | 2262 | 14.0 | 54 | 7.0 | 330.2 | 2276 | 775 |
| 800 | 14.3 | 96 | 12.4 | 342.8 | 2001 | 15.3 | 20 | 2.7 | 316.2 | 1998 | 15.2 | 95 | 13.0 | 345.4 | 1993 | 16.9 | 20 | 3.0 | 318.7 | 2006 | 800 |
| 825 | 15.5 | 96 | 13.0 | 342.8 | 1740 | 16.6 | 17 | 2.5 | 314.1 | 1737 | 16.4 | 88 | 12.6 | 342.7 | 1730 | 17.3 | 33 | 5.0 | 322.3 | 1744 | 825 |
| 850 | 16.6 | 97 | 13.6 | 342.8 | 1485 | 17.9 | 15 | 2.2 | 312.1 | 1483 | 17.7 | 74 | 11.2 | 337.5 | 1475 | 17.6 | 49 | 7.3 | 326.6 | 1489 | 850 |
| 875 | 17.9 | 96 | 14.4 | 343.6 | 1236 | 19.2 | 14 | 2.2 | 310.7 | 1235 | 16.3 | 87 | 11.7 | 334.3 | 1228 | 18.0 | 66 | 9.9 | 331.5 | 1241 | 875 |
| 900 | 19.6 | 95 | 15.4 | 345.6 | 993 | 20.6 | 16 | 2.7 | 311.2 | 993 | 18.8 | 97 | 14.8 | 343.0 | 986 | 19.3 | 70 | 11.1 | 333.5 | 999 | 900 |
| 925 | 21.3 | 94 | 16.3 | 347.7 | 755 | 21.9 | 18 | 3.2 | 311.7 | 757 | 20.7 | 93 | 15.7 | 345.1 | 748 | 20.5 | 74 | 12.3 | 335.7 | 762 | 925 |
| 950 | 22.9 | 92 | 17.3 | 349.7 | 523 | 22.6 | 50 | 9.0 | 326.5 | 525 | 22.6 | 90 | 16.6 | 347.2 | 516 | 21.9 | 76 | 13.3 | 337.4 | 530 | 950 |
| 975 | 24.5 | 91 | 18.3 | 351.8 | 294 | 22.9 | 97 | 17.8 | 348.2 | 298 | 24.4 | 87 | 17.4 | 349.2 | 288 | 23.5 | 73 | 13.8 | 338.0 | 303 | 975 |
| 1000 | 25.7 | 92 | 19.5 | 353.7 | 71 | 24.5 | 99 | 19.4 | 351.9 | 76 | 25.7 | 89 | 18.8 | 351.9 | 64 | 26.5 | 78 | 17.2 | 348.7 | 81 | 1000 |
| SFC. | 25.8 | 94 | 19.9 | 354.1 | 0 | 25.0 | 99 | 20.0 | 353.2 | 0 | 25.8 | 92 | 19.5 | 353.1 | 0 | 27.8 | 81 | 19.2 | 355.0 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.0 | SURFACE PRESSURE | | | | 1008.6 | SURFACE PRESSURE | | | | 1007.3 | SURFACE PRESSURE | | | | 1009.1 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/11 2353 GMT T | RH | W | EPT | H | 3/12 235 GMT T | RH | W | EPT | H | 3/12 6 0 GMT T | RH | W | EPT | H | 3/12 1150 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.1 | 0 | 0.0 | 465.2 | 19559 | -65.8 | 0 | 0.0 | 463.6 | 19453 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.9 | 0 | 0.0 | 465.7 | 19444 | 60 |
| 70 | -70.3 | 0 | 0.0 | 433.9 | 18633 | -72.3 | 18 | .0 | 429.8 | 18532 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.3 | 0 | 0.0 | 429.8 | 18520 | 70 |
| 80 | -75.1 | 0 | 0.0 | 407.9 | 17846 | -79.0 | 18 | .0 | 399.8 | 17761 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.7 | 0 | 0.0 | 400.4 | 17747 | 80 |
| 90 | -79.6 | 0 | 0.0 | 385.5 | 17173 | -80.7 | 18 | .0 | 383.2 | 17096 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.6 | 30 | .0 | 381.5 | 17084 | 90 |
| 100 | -78.4 | 15 | .0 | 376.3 | 16575 | -80.5 | 19 | .0 | 372.1 | 16502 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.8 | 30 | .0 | 371.6 | 16492 | 100 |
| 110 | -77.1 | 15 | .0 | 368.6 | 16029 | -79.0 | 19 | .0 | 365.0 | 15962 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.3 | 30 | .0 | 368.3 | 15949 | 110 |
| 120 | -74.6 | 15 | .0 | 364.2 | 15527 | -77.1 | 19 | .0 | 359.6 | 15465 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.9 | 30 | .0 | 358.1 | 15451 | 120 |
| 130 | -71.5 | 15 | .0 | 361.5 | 15058 | -73.3 | 18 | .0 | 358.2 | 15001 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 30 | .0 | 355.4 | 14991 | 130 |
| 140 | -69.7 | 15 | .0 | 357.1 | 14618 | -70.1 | 18 | .0 | 356.3 | 14564 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.2 | 30 | .0 | 354.4 | 14556 | 140 |
| 150 | -67.0 | 15 | .0 | 354.7 | 14204 | -68.2 | 18 | .0 | 352.6 | 14152 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.8 | 30 | .0 | 353.3 | 14145 | 150 |
| 160 | -64.1 | 15 | .0 | 353.0 | 13812 | -64.9 | 18 | .0 | 351.7 | 13762 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.1 | 30 | .0 | 351.5 | 13754 | 160 |
| 170 | -61.5 | 16 | .0 | 351.4 | 13438 | -61.4 | 18 | .0 | 351.5 | 13389 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.1 | 30 | .0 | 348.7 | 13383 | 170 |
| 180 | -59.0 | 16 | .0 | 349.8 | 13082 | -59.3 | 18 | .0 | 349.3 | 13033 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.8 | 30 | .0 | 346.8 | 13029 | 180 |
| 190 | -56.3 | 16 | .0 | 348.9 | 12741 | -57.6 | 19 | .0 | 346.7 | 12693 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.0 | 32 | .0 | 346.0 | 12691 | 190 |
| 200 | -53.5 | 16 | .0 | 348.2 | 12413 | -54.8 | 19 | .0 | 346.2 | 12367 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.4 | 33 | .0 | 345.2 | 12366 | 200 |
| 225 | -47.0 | 16 | .0 | 346.6 | 11644 | -48.2 | 20 | .0 | 344.8 | 11602 | 0.0 | 0 | 0.0 | 0.0 | 0 | -49.1 | 36 | .1 | 343.5 | 11604 | 225 |
| 250 | -41.3 | 17 | .1 | 345.0 | 10937 | -42.4 | 20 | .1 | 343.3 | 10899 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.6 | 28 | .1 | 343.2 | 10903 | 250 |
| 275 | -36.1 | 17 | .1 | 343.4 | 10283 | -36.6 | 22 | .1 | 342.7 | 10247 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.1 | M | M | M | 10251 | 275 |
| 300 | -30.6 | 37 | .4 | 343.7 | 9672 | -32.9 | 16 | .1 | 339.5 | 9639 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.9 | M | M | M | 9645 | 300 |
| 325 | -26.7 | 40 | .5 | 342.0 | 9099 | -28.3 | 68 | .8 | 340.6 | 9071 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.5 | M | M | M | 9076 | 325 |
| 350 | -22.9 | 41 | .7 | 340.7 | 8560 | -24.3 | 78 | 1.2 | 340.3 | 8535 | 0.0 | 0 | 0.0 | 0.0 | 0 | -24.3 | M | M | M | 8541 | 350 |
| 375 | -19.4 | 44 | 1.0 | 339.5 | 8051 | -21.0 | 73 | 1.4 | 338.9 | 8028 | 0.0 | 0 | 0.0 | 0.0 | 0 | -20.5 | M | M | M | 8034 | 375 |
| 400 | -17.2 | 17 | .4 | 334.3 | 7569 | -17.7 | 51 | 1.2 | 336.3 | 7548 | 0.0 | 0 | 0.0 | 0.0 | 0 | -17.5 | 18 | .4 | 333.9 | 7554 | 400 |
| 425 | -13.1 | 14 | .5 | 333.9 | 7111 | -14.0 | 35 | 1.0 | 334.8 | 7092 | -14.7 | 44 | 1.3 | 334.7 | 7092 | -14.2 | 44 | 1.3 | 335.5 | 7097 | 425 |
| 450 | -9.1 | 13 | .6 | 334.0 | 6673 | -10.6 | 27 | 1.0 | 333.7 | 6655 | -11.4 | 43 | 1.5 | 334.3 | 6656 | -10.4 | 39 | 1.5 | 335.5 | 6660 | 450 |
| 475 | -6.0 | 18 | .9 | 333.9 | 6251 | -8.1 | 29 | 1.3 | 332.5 | 6236 | -8.2 | 41 | 1.8 | 334.0 | 6239 | -6.8 | 10 | .5 | 331.4 | 6241 | 475 |
| 500 | -5.3 | 33 | 1.7 | 332.5 | 5850 | -6.6 | 46 | 2.1 | 332.3 | 5837 | -5.5 | 36 | 1.8 | 332.7 | 5838 | -3.0 | M | M | M | 5838 | 500 |
| 525 | -2.3 | 14 | .9 | 328.8 | 5464 | -3.3 | 12 | .7 | 327.0 | 5454 | -3.2 | 29 | 1.7 | 330.5 | 5454 | -1.5 | 11 | .7 | 329.2 | 5450 | 525 |
| 550 | .0 | 14 | .9 | 327.5 | 5094 | -.9 | 12 | .8 | 325.9 | 5084 | -1.7 | 22 | 1.4 | 326.9 | 5084 | -.4 | 20 | 1.4 | 328.4 | 5080 | 550 |
| 575 | 2.2 | 13 | 1.0 | 326.3 | 4736 | 1.5 | 12 | .9 | 325.0 | 4728 | .2 | 16 | 1.1 | 324.1 | 4730 | 1.4 | 21 | 1.5 | 326.9 | 4723 | 575 |
| 600 | 4.2 | 13 | 1.1 | 324.9 | 4392 | 3.7 | 13 | 1.0 | 324.1 | 4384 | 3.0 | 14 | 1.1 | 323.6 | 4387 | 3.5 | 20 | 1.6 | 325.7 | 4379 | 600 |
| 625 | 6.1 | 12 | 1.1 | 323.4 | 4059 | 5.8 | 13 | 1.2 | 323.3 | 4052 | 5.6 | 14 | 1.3 | 323.3 | 4055 | 5.5 | 19 | 1.7 | 324.5 | 4047 | 625 |
| 650 | 8.3 | 25 | 2.6 | 327.2 | 3737 | 7.8 | 17 | 1.7 | 323.5 | 3730 | 7.5 | 20 | 2.0 | 324.3 | 3733 | 6.6 | 29 | 2.7 | 325.2 | 3726 | 650 |
| 675 | 10.6 | 43 | 5.1 | 333.9 | 3423 | 9.5 | 31 | 3.4 | 327.4 | 3418 | 9.3 | 26 | 2.9 | 325.6 | 3422 | 7.9 | 26 | 2.6 | 322.9 | 3415 | 675 |
| 700 | 12.0 | 43 | 5.5 | 333.2 | 3119 | 11.1 | 45 | 5.3 | 331.6 | 3115 | 11.1 | 32 | 3.8 | 327.1 | 3119 | 9.3 | 51 | 5.4 | 329.6 | 3115 | 700 |
| 725 | 13.4 | 44 | 5.8 | 332.5 | 2824 | 13.4 | 41 | 5.4 | 331.3 | 2821 | 12.8 | 38 | 4.8 | 328.9 | 2825 | 10.5 | 72 | 7.9 | 335.1 | 2823 | 725 |
| 750 | 14.1 | 59 | 8.0 | 336.3 | 2538 | 15.1 | 34 | 4.8 | 328.2 | 2534 | 13.6 | 34 | 4.4 | 325.2 | 2540 | 11.6 | 73 | 8.4 | 334.5 | 2539 | 750 |
| 775 | 15.3 | 14 | 2.0 | 316.9 | 2261 | 16.2 | 23 | 3.4 | 322.1 | 2256 | 12.5 | 92 | 10.9 | 339.4 | 2264 | 13.8 | 85 | 10.9 | 341.0 | 2263 | 775 |
| 800 | 12.3 | 58 | 6.5 | 323.8 | 1994 | 16.0 | 54 | 7.7 | 331.6 | 1987 | 14.4 | 94 | 12.2 | 342.5 | 1996 | 14.8 | 83 | 11.0 | 339.6 | 1994 | 800 |
| 825 | 15.4 | 85 | 11.3 | 338.0 | 1733 | 16.2 | 78 | 11.0 | 338.1 | 1725 | 16.4 | 93 | 13.3 | 345.0 | 1734 | 15.6 | 81 | 11.0 | 337.4 | 1732 | 825 |
| 850 | 17.1 | 90 | 13.0 | 341.8 | 1478 | 17.3 | 82 | 12.0 | 339.4 | 1469 | 17.5 | 84 | 12.6 | 341.1 | 1478 | 17.5 | 80 | 11.9 | 339.3 | 1477 | 850 |
| 875 | 18.4 | 92 | 14.2 | 343.7 | 1230 | 18.7 | 81 | 12.6 | 339.8 | 1220 | 18.5 | 78 | 12.0 | 337.9 | 1229 | 18.7 | 79 | 12.4 | 339.1 | 1228 | 875 |
| 900 | 19.8 | 85 | 13.9 | 341.8 | 986 | 20.0 | 80 | 13.2 | 340.3 | 977 | 19.7 | 82 | 13.2 | 339.9 | 986 | 19.8 | 79 | 12.8 | 339.0 | 985 | 900 |
| 925 | 21.3 | 91 | 16.0 | 346.8 | 749 | 21.4 | 79 | 13.8 | 340.9 | 739 | 20.8 | 86 | 14.5 | 342.1 | 749 | 21.0 | 78 | 13.3 | 338.9 | 748 | 925 |
| 950 | 23.4 | 82 | 15.9 | 346.5 | 516 | 23.2 | 78 | 14.9 | 343.3 | 507 | 22.0 | 90 | 15.9 | 344.4 | 517 | 22.2 | 91 | 16.5 | 346.4 | 516 | 950 |
| 975 | 25.4 | 74 | 15.7 | 345.7 | 287 | 25.0 | 77 | 15.9 | 345.8 | 278 | 23.5 | 90 | 17.1 | 347.2 | 289 | 23.8 | 97 | 18.8 | 352.1 | 288 | 975 |
| 1000 | 27.4 | 72 | 16.8 | 348.7 | 63 | 26.1 | 77 | 16.7 | 346.7 | 55 | 25.7 | 86 | 18.3 | 350.5 | 66 | 25.6 | 97 | 20.4 | 356.2 | 64 | 1000 |
| SFC. | 28.0 | 79 | 19.0 | 354.8 | 0 | 25.3 | 80 | 16.4 | 344.1 | 0 | 26.4 | 85 | 18.6 | 351.5 | 0 | 26.1 | 97 | 20.9 | 357.5 | 0 | SFC. |
| | SURFACE PRESSURE 1007.1 | | | | | SURFACE PRESSURE 1006.2 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1007.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/12 18 0 GMT | | | | | 3/12 2345 GMT | | | | | 3/13 630 GMT | | | | | 3/13 1242 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.2 | 0 | 0.0 | 467.2 | 19456 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.1 | 0 | 0.0 | 472.0 | 19506 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.9 | 16 | .0 | 430.6 | 18532 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 0 | 0.0 | 431.7 | 18566 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.3 | 16 | .0 | 411.6 | 17746 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.8 | 0 | 0.0 | 402.4 | 17790 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.9 | 16 | .0 | 382.8 | 17070 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.3 | 15 | .0 | 382.1 | 17124 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.5 | 16 | .0 | 370.3 | 16478 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.4 | 15 | .0 | 370.5 | 16532 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.1 | 20 | .0 | 363.0 | 15941 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.0 | 15 | .0 | 361.3 | 15997 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.0 | 19 | .0 | 361.6 | 15444 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.1 | 15 | .0 | 359.6 | 15502 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.2 | 18 | .0 | 360.2 | 14977 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.4 | 15 | .0 | 358.0 | 15038 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.7 | 17 | .0 | 358.8 | 14537 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.1 | 15 | .0 | 356.3 | 14601 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.2 | 16 | .0 | 356.1 | 14121 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.8 | 14 | .0 | 355.1 | 14188 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 16 | .0 | 351.9 | 13729 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.7 | 14 | .0 | 353.8 | 13795 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.4 | 16 | .0 | 349.8 | 13357 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.8 | 13 | .0 | 352.5 | 13420 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.2 | 16 | .0 | 347.8 | 13002 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.1 | 12 | .0 | 351.3 | 13063 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.8 | 16 | .0 | 346.3 | 12664 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.7 | 12 | .0 | 349.6 | 12720 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.0 | 16 | .0 | 345.7 | 12338 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.5 | 12 | .0 | 346.5 | 12393 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.6 | 16 | .0 | 344.2 | 11574 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.8 | 10 | .0 | 343.8 | 11629 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.4 | 15 | .0 | 341.8 | 10873 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.7 | 10 | .0 | 342.8 | 10928 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -38.4 | 14 | .1 | 339.8 | 10225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.6 | 10 | .1 | 342.4 | 10276 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -33.1 | 13 | .1 | 339.2 | 9620 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.1 | 10 | .1 | 342.0 | 9667 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.1 | 12 | .1 | 338.6 | 9052 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.1 | 10 | .1 | 341.3 | 9093 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -25.4 | 12 | .2 | 335.2 | 8516 | 0.0 | 0 | 0.0 | 0.0 | 0 | -22.4 | 10 | .2 | 339.4 | 8553 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -21.2 | 13 | .2 | 334.5 | 8011 | 0.0 | 0 | 0.0 | 0.0 | 0 | -18.9 | 10 | .2 | 337.6 | 8043 | 375 |
| 400 | -16.6 | 10 | .3 | 334.5 | 7605 | -17.2 | 13 | .3 | 333.9 | 7531 | -16.1 | 10 | .3 | 335.2 | 7562 | -15.6 | 10 | .3 | 335.8 | 7559 | 400 |
| 425 | -13.8 | 19 | .6 | 333.4 | 7147 | -13.9 | 12 | .4 | 332.6 | 7073 | -12.7 | 10 | .3 | 334.0 | 7102 | -12.3 | 10 | .3 | 334.5 | 7099 | 425 |
| 450 | -9.7 | 15 | .6 | 333.4 | 6709 | -11.1 | 12 | .4 | 330.9 | 6637 | -9.5 | 10 | .4 | 332.9 | 6663 | -9.3 | 10 | .4 | 333.2 | 6660 | 450 |
| 475 | -5.7 | 11 | .6 | 333.1 | 6289 | -8.5 | 12 | .5 | 329.4 | 6220 | -8.3 | 10 | .4 | 329.4 | 6245 | -8.2 | 10 | .4 | 329.4 | 6240 | 475 |
| 500 | -3.1 | 10 | .6 | 331.6 | 5885 | -6.0 | 12 | .6 | 327.9 | 5820 | -5.8 | 10 | .5 | 327.8 | 5844 | -5.4 | 10 | .5 | 328.3 | 5840 | 500 |
| 525 | -1.5 | 12 | .8 | 329.4 | 5497 | -3.6 | 12 | .7 | 326.6 | 5436 | -3.3 | 10 | .6 | 326.6 | 5460 | -3.5 | 10 | .6 | 326.3 | 5456 | 525 |
| 550 | .6 | 16 | 1.2 | 328.9 | 5125 | -2.2 | 22 | 1.3 | 326.0 | 5068 | -.9 | 10 | .6 | 325.4 | 5091 | -1.2 | 18 | 1.1 | 326.6 | 5087 | 550 |
| 575 | 2.1 | 14 | 1.1 | 326.2 | 4768 | -.1 | 14 | .9 | 323.1 | 4714 | .6 | 10 | .7 | 323.2 | 4735 | .8 | 10 | .7 | 323.6 | 4731 | 575 |
| 600 | 4.4 | 13 | 1.1 | 325.2 | 4423 | 2.0 | 14 | 1.0 | 322.1 | 4372 | 2.7 | 10 | .8 | 322.0 | 4393 | 2.6 | 11 | .9 | 322.2 | 4388 | 600 |
| 625 | 6.7 | 12 | 1.2 | 324.2 | 4089 | 4.1 | 14 | 1.1 | 321.1 | 4042 | 4.0 | 41 | 3.3 | 327.9 | 4062 | 4.4 | 16 | 1.3 | 322.0 | 4057 | 625 |
| 650 | 8.6 | 14 | 1.5 | 324.0 | 3767 | 6.0 | 17 | 1.5 | 320.9 | 3722 | 6.5 | 20 | 1.8 | 322.5 | 3742 | 6.3 | 34 | 3.1 | 326.3 | 3737 | 650 |
| 675 | 10.4 | 17 | 1.9 | 323.9 | 3454 | 7.6 | 29 | 2.8 | 323.1 | 3412 | 8.6 | 37 | 3.9 | 327.8 | 3431 | 8.5 | 21 | 2.2 | 322.5 | 3426 | 675 |
| 700 | 12.0 | 25 | 3.2 | 326.1 | 3151 | 9.1 | 37 | 3.8 | 324.8 | 3111 | 9.8 | 55 | 6.0 | 332.2 | 3129 | 10.0 | 31 | 3.4 | 324.7 | 3125 | 700 |
| 725 | 13.1 | 37 | 4.8 | 329.2 | 2856 | 10.6 | 37 | 4.1 | 324.0 | 2820 | 11.2 | 25 | 2.9 | 321.0 | 2837 | 12.9 | 11 | 1.4 | 318.3 | 2832 | 725 |
| 750 | 14.5 | 40 | 5.5 | 329.4 | 2570 | 13.1 | 21 | 2.7 | 319.5 | 2536 | 12.7 | 73 | 9.0 | 337.6 | 2552 | 14.2 | 25 | 3.4 | 322.8 | 2547 | 750 |
| 775 | 16.0 | 50 | 7.4 | 333.8 | 2292 | 14.3 | 37 | 4.9 | 324.4 | 2260 | 14.3 | 67 | 8.8 | 335.9 | 2276 | 14.8 | 69 | 9.5 | 338.4 | 2270 | 775 |
| 800 | 18.1 | 37 | 6.1 | 329.4 | 2021 | 14.9 | 59 | 7.8 | 330.6 | 1992 | 16.1 | 73 | 10.6 | 339.9 | 2006 | 15.7 | 86 | 12.1 | 343.8 | 2000 | 800 |
| 825 | 18.0 | 75 | 11.8 | 342.6 | 1758 | 16.1 | 60 | 8.4 | 330.5 | 1730 | 16.1 | 80 | 11.2 | 338.6 | 1743 | 17.0 | 85 | 12.7 | 343.8 | 1737 | 825 |
| 850 | 18.7 | 83 | 13.4 | 344.9 | 1501 | 17.2 | 61 | 8.9 | 330.4 | 1476 | 17.1 | 98 | 14.3 | 345.5 | 1488 | 18.5 | 73 | 11.5 | 339.4 | 1481 | 850 |
| 875 | 19.9 | 83 | 13.9 | 345.0 | 1251 | 18.3 | 62 | 9.4 | 330.4 | 1227 | 18.7 | 97 | 15.1 | 346.7 | 1239 | 19.0 | 92 | 14.6 | 345.8 | 1231 | 875 |
| 900 | 21.1 | 81 | 14.3 | 344.6 | 1006 | 19.3 | 65 | 10.2 | 331.1 | 985 | 20.1 | 96 | 16.0 | 348.0 | 996 | 20.4 | 93 | 15.8 | 348.0 | 987 | 900 |
| 925 | 22.4 | 81 | 15.2 | 346.0 | 768 | 20.2 | 69 | 11.3 | 332.4 | 748 | 21.6 | 94 | 16.8 | 349.3 | 757 | 21.9 | 92 | 16.6 | 349.3 | 749 | 925 |
| 950 | 23.7 | 84 | 16.5 | 348.5 | 534 | 21.3 | 73 | 12.3 | 333.9 | 517 | 23.0 | 93 | 17.6 | 350.6 | 524 | 23.4 | 90 | 17.4 | 350.6 | 515 | 950 |
| 975 | 25.0 | 86 | 17.9 | 351.2 | 305 | 23.1 | 70 | 13.0 | 335.5 | 291 | 24.3 | 92 | 18.5 | 351.9 | 296 | 24.9 | 88 | 18.2 | 351.9 | 287 | 975 |
| 1000 | 26.2 | 88 | 19.3 | 354.0 | 81 | 27.1 | 74 | 16.9 | 348.5 | 68 | 25.7 | 91 | 19.3 | 353.3 | 72 | 26.3 | 86 | 19.0 | 353.2 | 63 | 1000 |
| SFC. | 26.7 | 89 | 19.8 | 355.1 | 0 | 29.4 | 78 | 20.4 | 360.5 | 0 | 26.1 | 91 | 19.6 | 353.7 | 0 | 26.7 | 86 | 19.2 | 353.5 | 0 | SFC. |
| | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1007.7 | | | | | SURFACE PRESSURE 1008.2 | | | | | SURFACE PRESSURE 1007.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/13 1745 GMT T | RH | W | EPT | H | 3/14 010 GMT T | RH | W | EPT | H | 3/14 250 GMT T | RH | W | EPT | H | 3/14 610 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.0 | 0 | 0.0 | 472.1 | 19457 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.1 | 15 | .0 | 445.3 | 18509 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.9 | 14 | .0 | 398.0 | 17898 | -78.1 | 15 | .0 | 401.6 | 17723 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.3 | 14 | .0 | 388.0 | 17229 | -82.4 | 15 | .0 | 379.8 | 17063 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.9 | 14 | .0 | 379.2 | 16626 | -80.2 | 15 | .0 | 372.8 | 16471 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.5 | 14 | .0 | 366.0 | 16081 | -81.1 | 15 | .0 | 361.0 | 15934 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 14 | .0 | 364.8 | 15579 | -78.1 | 15 | .0 | 357.6 | 15442 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 14 | .0 | 363.4 | 15109 | -74.5 | 15 | .0 | 356.1 | 14981 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.4 | 14 | .0 | 359.3 | 14666 | -71.1 | 15 | .0 | 354.6 | 14546 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 14 | .0 | 355.8 | 14251 | -67.9 | 15 | .0 | 353.1 | 14134 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.0 | 14 | .0 | 354.9 | 13857 | -64.8 | 15 | .0 | 351.9 | 13743 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.9 | 13 | .0 | 354.0 | 13481 | -61.9 | 14 | .0 | 350.7 | 13371 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.0 | 13 | .0 | 353.1 | 13122 | -59.2 | 14 | .0 | 349.4 | 13015 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.2 | 12 | .0 | 352.2 | 12777 | -56.6 | 14 | .0 | 348.2 | 12674 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -51.6 | 12 | .0 | 351.2 | 12446 | -54.2 | 14 | .0 | 347.1 | 12347 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.3 | 12 | .0 | 346.2 | 11675 | -48.3 | 13 | .0 | 344.6 | 11582 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.1 | 11 | .0 | 345.1 | 10968 | -42.3 | 12 | .0 | 343.4 | 10879 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.6 | 11 | .1 | 344.0 | 10313 | -36.9 | 12 | .1 | 342.1 | 10227 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.5 | 11 | .1 | 342.8 | 9781 | -32.0 | 11 | .1 | 340.8 | 9619 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -25.9 | 10 | .1 | 341.6 | 9127 | -27.4 | 11 | .1 | 339.5 | 9048 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -21.6 | 10 | .2 | 340.5 | 8586 | -23.2 | 11 | .2 | 338.2 | 8510 | -22.5 | 12 | .2 | 339.3 | 8589 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -17.4 | 10 | .3 | 339.6 | 8073 | -19.3 | 10 | .2 | 337.0 | 8001 | -18.0 | 12 | .3 | 339.0 | 8078 | 375 |
| 400 | -16.1 | 10 | .3 | 335.2 | 7572 | -15.0 | 10 | .3 | 336.7 | 7587 | -15.6 | 10 | .3 | 335.8 | 7518 | -13.8 | 12 | .4 | 338.6 | 7591 | 400 |
| 425 | -12.8 | 10 | .3 | 333.8 | 7112 | -11.6 | 10 | .4 | 335.5 | 7126 | -13.3 | 10 | .3 | 333.2 | 7059 | -12.6 | 12 | .4 | 334.4 | 7131 | 425 |
| 450 | -9.7 | 10 | .4 | 332.6 | 6674 | -8.4 | 10 | .4 | 334.4 | 6685 | -10.5 | 10 | .4 | 331.5 | 6621 | -9.6 | 12 | .5 | 333.1 | 6692 | 450 |
| 475 | -6.7 | 10 | .5 | 331.5 | 6254 | -6.2 | 10 | .5 | 332.2 | 6264 | -7.9 | 10 | .4 | 329.9 | 6203 | -7.0 | 12 | .6 | 331.5 | 6273 | 475 |
| 500 | -6.0 | 13 | .6 | 328.1 | 5853 | -4.3 | 10 | .6 | 330.0 | 5862 | -5.4 | 10 | .5 | 328.4 | 5803 | -4.6 | 12 | .7 | 329.9 | 5871 | 500 |
| 525 | -2.9 | 11 | .7 | 327.4 | 5469 | -1.7 | 13 | .8 | 329.4 | 5476 | -4.0 | 16 | .9 | 326.7 | 5419 | -2.3 | 12 | .7 | 328.4 | 5485 | 525 |
| 550 | -1.5 | 15 | .9 | 325.6 | 5099 | .7 | 11 | .8 | 327.9 | 5104 | -1.5 | 12 | .7 | 325.0 | 5051 | -.0 | 15 | 1.0 | 327.8 | 5114 | 550 |
| 575 | 1.7 | 15 | 1.1 | 325.8 | 4743 | 2.5 | 20 | 1.6 | 328.4 | 4746 | .4 | 40 | 2.8 | 329.7 | 4695 | 2.1 | 19 | 1.4 | 327.5 | 4757 | 575 |
| 600 | 3.4 | 13 | 1.1 | 323.8 | 4399 | 4.2 | 29 | 2.5 | 329.3 | 4401 | 2.5 | 33 | 2.5 | 327.4 | 4352 | 4.1 | 22 | 1.9 | 327.4 | 4412 | 600 |
| 625 | 4.4 | 25 | 2.1 | 324.3 | 4068 | 5.4 | 46 | 4.1 | 332.0 | 4068 | 4.1 | 33 | 2.7 | 325.9 | 4021 | 6.1 | 25 | 2.4 | 327.4 | 4079 | 625 |
| 650 | 6.0 | 36 | 3.2 | 326.3 | 3748 | 7.1 | 29 | 2.9 | 326.5 | 3746 | 5.6 | 32 | 2.8 | 324.5 | 3702 | 8.0 | 28 | 2.9 | 327.7 | 3757 | 650 |
| 675 | 8.2 | 37 | 3.7 | 326.8 | 3437 | 9.8 | 26 | 2.9 | 326.3 | 3434 | 7.0 | 32 | 3.0 | 323.2 | 3392 | 9.8 | 31 | 3.5 | 328.1 | 3444 | 675 |
| 700 | 10.3 | 31 | 3.4 | 324.9 | 3136 | 11.4 | 29 | 3.5 | 326.5 | 3132 | 8.4 | 44 | 4.3 | 325.2 | 3092 | 11.6 | 34 | 4.2 | 328.7 | 3141 | 700 |
| 725 | 12.0 | 36 | 4.3 | 326.4 | 2843 | 13.2 | 27 | 3.6 | 325.5 | 2838 | 8.6 | 25 | 2.4 | 316.7 | 2802 | 13.2 | 37 | 4.9 | 329.4 | 2847 | 725 |
| 750 | 14.1 | 45 | 6.0 | 330.7 | 2558 | 14.9 | 25 | 3.6 | 324.2 | 2552 | 9.8 | 30 | 3.0 | 316.7 | 2522 | 14.4 | 42 | 5.8 | 330.4 | 2561 | 750 |
| 775 | 14.9 | 69 | 9.6 | 338.7 | 2280 | 15.9 | 38 | 5.5 | 328.1 | 2274 | 11.7 | 49 | 5.5 | 323.1 | 2248 | 14.8 | 87 | 12.0 | 345.5 | 2283 | 775 |
| 800 | 15.5 | 87 | 12.1 | 343.5 | 2011 | 16.7 | 54 | 8.1 | 333.5 | 2004 | 13.7 | 75 | 9.4 | 333.5 | 1981 | 16.1 | 88 | 12.8 | 346.1 | 2013 | 800 |
| 825 | 16.7 | 92 | 13.4 | 345.6 | 1748 | 17.5 | 70 | 10.8 | 339.1 | 1741 | 15.2 | 81 | 10.7 | 336.2 | 1721 | 17.3 | 89 | 13.5 | 346.7 | 1749 | 825 |
| 850 | 17.9 | 93 | 14.4 | 346.7 | 1492 | 18.8 | 75 | 12.1 | 341.5 | 1484 | 16.1 | 78 | 10.5 | 333.7 | 1466 | 18.5 | 90 | 14.3 | 347.3 | 1493 | 850 |
| 875 | 19.2 | 95 | 15.3 | 347.9 | 1242 | 20.3 | 74 | 12.8 | 342.3 | 1234 | 16.9 | 74 | 10.3 | 331.3 | 1219 | 19.4 | 92 | 15.1 | 347.5 | 1243 | 875 |
| 900 | 20.4 | 96 | 16.3 | 349.1 | 998 | 21.8 | 73 | 13.5 | 343.2 | 989 | 18.6 | 96 | 14.6 | 342.3 | 977 | 20.1 | 95 | 15.9 | 347.8 | 999 | 900 |
| 925 | 21.5 | 97 | 17.3 | 350.5 | 760 | 23.2 | 72 | 14.2 | 344.2 | 750 | 19.9 | 97 | 15.5 | 343.5 | 740 | 22.1 | 92 | 16.9 | 350.3 | 760 | 925 |
| 950 | 22.5 | 98 | 18.0 | 350.9 | 527 | 24.6 | 72 | 14.9 | 345.1 | 516 | 21.9 | 94 | 16.6 | 346.3 | 509 | 24.0 | 89 | 18.0 | 352.9 | 527 | 950 |
| 975 | 23.6 | 96 | 18.5 | 350.9 | 299 | 25.9 | 71 | 15.6 | 346.1 | 287 | 24.6 | 88 | 17.7 | 350.2 | 281 | 25.9 | 87 | 19.0 | 355.4 | 297 | 975 |
| 1000 | 25.5 | 92 | 19.1 | 352.5 | 76 | 27.7 | 79 | 18.8 | 354.5 | 62 | 27.1 | 82 | 18.8 | 353.8 | 57 | 26.8 | 83 | 18.6 | 353.0 | 73 | 1000 |
| SFC. | 26.1 | 90 | 19.3 | 353.0 | 0 | 28.3 | 82 | 20.1 | 358.3 | 0 | 27.8 | 80 | 19.0 | 354.7 | 0 | 26.7 | 81 | 18.0 | 350.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.6 | SURFACE PRESSURE | | | | 1007.0 | SURFACE PRESSURE | | | | 1006.4 | SURFACE PRESSURE | | | | 1008.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/14 1155 GMT | | | | | 3/14 15 0 GMT | | | | | 3/14 18 0 GMT | | | | | 3/14 2130 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.0 | 0 | 0.0 | 465.4 | 19510 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.2 | 0 | 0.0 | 462.7 | 19536 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 10 | .0 | 438.4 | 18571 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.7 | 0 | 0.0 | 439.6 | 18602 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.3 | 10 | .0 | 411.6 | 17780 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.3 | 13 | .0 | 411.7 | 17808 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.8 | 10 | .0 | 383.0 | 17107 | 0.0 | 0 | 0.0 | 0.0 | 0 | -82.4 | 14 | .0 | 379.7 | 17138 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.9 | 10 | .0 | 373.4 | 16512 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.8 | 13 | .0 | 371.6 | 16547 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.5 | 10 | .0 | 365.9 | 15971 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.6 | 13 | .0 | 364.0 | 16008 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.3 | 10 | .0 | 359.2 | 15473 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.1 | 13 | .0 | 359.5 | 15512 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 10 | .0 | 355.4 | 15012 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.0 | 13 | .0 | 356.9 | 15049 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.5 | 10 | .0 | 353.9 | 14578 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.2 | 13 | .0 | 354.4 | 14614 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.2 | 10 | .0 | 352.7 | 14167 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.0 | 13 | .0 | 353.0 | 14203 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 10 | .0 | 351.9 | 13777 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.6 | 13 | .0 | 352.3 | 13812 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.7 | 10 | .0 | 351.0 | 13404 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.4 | 13 | .0 | 351.5 | 13439 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.8 | 10 | .0 | 350.1 | 13048 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.4 | 12 | .0 | 350.7 | 13082 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.0 | 10 | .0 | 349.2 | 12706 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.6 | 12 | .0 | 349.8 | 12740 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.4 | 10 | .0 | 348.4 | 12378 | 0.0 | 0 | 0.0 | 0.0 | 0 | -52.9 | 12 | .0 | 349.0 | 12411 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.3 | 10 | .0 | 346.1 | 11609 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.8 | 12 | .0 | 347.0 | 11641 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.6 | 10 | .0 | 344.5 | 10904 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.1 | 12 | .0 | 345.2 | 10934 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.2 | 10 | .1 | 343.1 | 10250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.0 | 11 | .1 | 343.4 | 10279 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.3 | 10 | .1 | 341.6 | 9640 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.5 | 11 | .1 | 341.4 | 9669 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.8 | 10 | .1 | 340.2 | 9068 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.7 | 11 | .1 | 339.1 | 9098 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -22.7 | 10 | .2 | 338.9 | 8529 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.9 | 11 | .2 | 337.3 | 8561 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -18.8 | 10 | .2 | 337.6 | 8019 | -19.7 | 10 | .2 | 336.4 | 8046 | -19.4 | 10 | .2 | 336.9 | 8053 | 375 |
| 400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -15.2 | 10 | .3 | 336.4 | 7534 | -15.0 | 10 | .3 | 336.7 | 7562 | -15.2 | 10 | .3 | 336.4 | 7569 | 400 |
| 425 | -14.5 | 13 | .4 | 331.8 | 7060 | -13.1 | 10 | .3 | 333.4 | 7074 | -12.0 | 10 | .4 | 335.0 | 7101 | -11.8 | 10 | .4 | 335.2 | 7108 | 425 |
| 450 | -11.6 | 14 | .5 | 330.5 | 6624 | -10.7 | 10 | .4 | 331.3 | 6637 | -9.8 | 10 | .4 | 332.4 | 6662 | -9.9 | 10 | .4 | 332.3 | 6669 | 450 |
| 475 | -8.9 | 15 | .6 | 329.2 | 6208 | -8.3 | 10 | .4 | 329.3 | 6219 | -7.2 | 10 | .5 | 330.9 | 6243 | -7.6 | 15 | .7 | 331.1 | 6250 | 475 |
| 500 | -6.8 | 17 | .8 | 327.6 | 5809 | -6.2 | 10 | .5 | 327.3 | 5820 | -4.2 | 11 | .6 | 330.2 | 5841 | -4.6 | 12 | .7 | 329.9 | 5849 | 500 |
| 525 | -4.5 | 18 | .9 | 326.4 | 5427 | -4.1 | 10 | .5 | 325.5 | 5437 | -1.8 | 12 | .7 | 329.0 | 5455 | -2.1 | 13 | .8 | 328.9 | 5463 | 525 |
| 550 | -2.3 | 20 | 1.2 | 325.5 | 5059 | -1.4 | 10 | .6 | 324.7 | 5068 | .1 | 12 | .8 | 327.2 | 5084 | -.2 | 19 | 1.3 | 328.3 | 5092 | 550 |
| 575 | -.6 | 24 | 1.5 | 324.5 | 4705 | .5 | 10 | .7 | 323.0 | 4713 | .9 | 16 | 1.1 | 325.0 | 4727 | 1.2 | 43 | 3.1 | 331.8 | 4736 | 575 |
| 600 | 1.2 | 27 | 1.9 | 323.7 | 4363 | 2.4 | 10 | .8 | 321.7 | 4371 | 1.9 | 28 | 2.1 | 325.3 | 4385 | 2.0 | 46 | 3.3 | 329.3 | 4393 | 600 |
| 625 | 2.8 | 30 | 2.2 | 323.1 | 4034 | 4.2 | 19 | 1.6 | 322.5 | 4040 | 2.9 | 34 | 2.6 | 324.2 | 4055 | 3.7 | 30 | 2.4 | 324.6 | 4062 | 625 |
| 650 | 4.7 | 38 | 3.1 | 324.3 | 3716 | 5.8 | 26 | 2.3 | 323.1 | 3720 | 4.2 | 24 | 1.9 | 320.1 | 3737 | 6.3 | 28 | 2.5 | 324.5 | 3742 | 650 |
| 675 | 6.6 | 48 | 4.3 | 326.8 | 3407 | 7.6 | 30 | 2.9 | 323.6 | 3411 | 6.4 | 36 | 3.2 | 323.1 | 3429 | 8.6 | 15 | 1.5 | 320.4 | 3432 | 675 |
| 700 | 9.1 | 27 | 2.8 | 321.5 | 3107 | 10.0 | 13 | 1.4 | 318.3 | 3110 | 8.0 | 27 | 2.6 | 319.7 | 3130 | 10.9 | 14 | 1.6 | 320.1 | 3130 | 700 |
| 725 | 10.2 | 47 | 5.1 | 326.4 | 2815 | 11.8 | 22 | 2.6 | 320.9 | 2818 | 9.9 | 58 | 6.2 | 329.3 | 2839 | 12.7 | 19 | 2.4 | 321.4 | 2837 | 725 |
| 750 | 11.8 | 52 | 5.9 | 327.6 | 2532 | 13.6 | 30 | 3.9 | 323.9 | 2533 | 10.7 | 62 | 6.7 | 328.4 | 2556 | 14.1 | 28 | 3.8 | 323.9 | 2552 | 750 |
| 775 | 13.5 | 67 | 8.4 | 333.7 | 2257 | 14.8 | 45 | 6.2 | 328.8 | 2256 | 12.3 | 90 | 10.6 | 338.3 | 2282 | 15.6 | 25 | 3.6 | 322.0 | 2275 | 775 |
| 800 | 14.2 | 73 | 9.3 | 333.8 | 1988 | 13.6 | 76 | 9.4 | 333.4 | 1988 | 14.0 | 94 | 11.9 | 341.0 | 2014 | 16.9 | 28 | 4.2 | 322.4 | 2005 | 800 |
| 825 | 15.1 | 75 | 9.8 | 333.4 | 1728 | 15.4 | 99 | 13.3 | 343.6 | 1727 | 15.9 | 96 | 13.3 | 344.1 | 1752 | 14.3 | 48 | 6.0 | 321.9 | 1744 | 825 |
| 850 | 15.5 | 90 | 11.8 | 336.5 | 1474 | 16.7 | 96 | 13.6 | 343.0 | 1472 | 17.6 | 98 | 14.8 | 347.5 | 1496 | 15.8 | 62 | 8.3 | 327.3 | 1491 | 850 |
| 875 | 17.0 | 89 | 12.5 | 337.4 | 1226 | 18.1 | 86 | 13.0 | 340.2 | 1223 | 19.1 | 98 | 15.7 | 348.8 | 1247 | 17.8 | 78 | 11.5 | 335.5 | 1243 | 875 |
| 900 | 18.7 | 78 | 11.8 | 334.8 | 984 | 19.5 | 77 | 12.4 | 337.2 | 981 | 19.9 | 95 | 15.7 | 346.9 | 1003 | 19.8 | 83 | 13.5 | 340.8 | 1001 | 900 |
| 925 | 20.4 | 70 | 11.5 | 333.2 | 748 | 20.8 | 84 | 14.2 | 341.2 | 743 | 20.8 | 92 | 15.6 | 344.9 | 765 | 21.2 | 80 | 13.8 | 340.6 | 763 | 925 |
| 950 | 21.7 | 78 | 13.5 | 337.8 | 516 | 22.2 | 91 | 16.4 | 346.1 | 511 | 22.3 | 88 | 16.0 | 345.2 | 533 | 23.4 | 72 | 13.8 | 340.7 | 530 | 950 |
| 975 | 23.2 | 89 | 16.6 | 345.3 | 290 | 24.2 | 86 | 17.0 | 347.7 | 284 | 24.1 | 85 | 16.6 | 346.6 | 305 | 24.8 | 70 | 14.4 | 341.4 | 302 | 975 |
| 1000 | 25.1 | 88 | 18.0 | 349.0 | 67 | 26.1 | 81 | 17.6 | 349.1 | 60 | 25.9 | 81 | 17.3 | 348.1 | 82 | 26.9 | 73 | 16.6 | 347.6 | 79 | 1000 |
| SFC. | 25.7 | 88 | 18.5 | 350.2 | 0 | 26.6 | 80 | 17.7 | 349.4 | 0 | 26.7 | 81 | 18.0 | 350.1 | 0 | 28.3 | 77 | 18.8 | 354.5 | 0 | SFC. |
| | SURFACE PRESSURE 1007.6 | | | | | SURFACE PRESSURE 1006.8 | | | | | SURFACE PRESSURE 1009.3 | | | | | SURFACE PRESSURE 1008.9 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/15 0 8 GMT T | RH | W | EPT | H | 3/15 3 0 GMT T | RH | W | EPT | H | 3/15 556 GMT T | RH | W | EPT | H | 3/15 851 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.3 | 0 | 0.0 | 464.8 | 19616 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.8 | 0 | 0.0 | 463.6 | 19536 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.9 | 15 | .0 | 437.2 | 18680 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.5 | 0 | 0.0 | 444.4 | 18599 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.5 | 15 | .0 | 402.9 | 17895 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.3 | 29 | .0 | 407.5 | 17803 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.8 | 15 | .0 | 385.0 | 17223 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.3 | 30 | .0 | 384.1 | 17131 | 90 |
| 100 | -75.5 | 15 | .0 | 381.9 | 16707 | -80.2 | 15 | .0 | 372.8 | 16627 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.6 | 30 | .0 | 370.1 | 16539 | 100 |
| 110 | -72.2 | 15 | .0 | 377.8 | 16151 | -77.5 | 15 | .0 | 367.9 | 16085 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.7 | 30 | .0 | 361.7 | 16004 | 110 |
| 120 | -69.3 | 15 | .0 | 373.9 | 15635 | -75.0 | 15 | .0 | 363.5 | 15583 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.0 | 30 | .0 | 357.9 | 15511 | 120 |
| 130 | -66.5 | 15 | .0 | 370.4 | 15154 | -72.4 | 15 | .0 | 359.8 | 15116 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 29 | .0 | 355.5 | 15050 | 130 |
| 140 | -64.0 | 15 | .0 | 367.1 | 14703 | -69.1 | 14 | .0 | 358.1 | 14676 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.9 | 28 | .0 | 353.1 | 14616 | 140 |
| 150 | -61.6 | 15 | .0 | 364.1 | 14278 | -66.0 | 14 | .0 | 356.4 | 14261 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.9 | 28 | .0 | 351.5 | 14207 | 150 |
| 160 | -59.3 | 14 | .0 | 361.2 | 13876 | -62.7 | 14 | .0 | 355.4 | 13866 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.5 | 28 | .0 | 350.7 | 13817 | 160 |
| 170 | -57.2 | 14 | .0 | 358.5 | 13494 | -59.6 | 13 | .0 | 354.5 | 13490 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.4 | 28 | .0 | 349.9 | 13446 | 170 |
| 180 | -55.2 | 14 | .0 | 356.0 | 13131 | -56.7 | 13 | .0 | 353.6 | 13130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.4 | 28 | .0 | 349.2 | 13091 | 180 |
| 190 | -53.3 | 14 | .0 | 353.6 | 12784 | -53.9 | 13 | .0 | 352.6 | 12785 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.6 | 27 | .0 | 348.3 | 12750 | 190 |
| 200 | -52.0 | 14 | .0 | 350.5 | 12453 | -51.3 | 13 | .0 | 351.7 | 12454 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.9 | 27 | .0 | 347.5 | 12423 | 200 |
| 225 | -45.6 | 14 | .0 | 348.8 | 11679 | -45.2 | 12 | .0 | 349.4 | 11678 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.8 | 29 | .1 | 345.6 | 11656 | 225 |
| 250 | -39.9 | 13 | .1 | 347.1 | 10968 | -39.5 | 12 | .1 | 347.6 | 10966 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.0 | 43 | .2 | 344.3 | 10952 | 250 |
| 275 | -34.7 | 13 | .1 | 345.3 | 10310 | -34.4 | 12 | .1 | 345.8 | 10307 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.9 | 63 | .4 | 343.3 | 10299 | 275 |
| 300 | -30.0 | 13 | .1 | 343.7 | 9696 | -29.6 | 11 | .1 | 344.1 | 9692 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.4 | 17 | .2 | 341.8 | 9690 | 300 |
| 325 | -26.1 | 13 | .2 | 341.5 | 9122 | -25.3 | 11 | .2 | 342.5 | 9116 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.8 | 12 | .2 | 340.3 | 9118 | 325 |
| 350 | -22.0 | 13 | .2 | 340.1 | 8581 | -21.4 | 11 | .2 | 340.8 | 8574 | 0.0 | 0 | 0.0 | 0.0 | 0 | -22.7 | 11 | .2 | 339.0 | 8579 | 350 |
| 375 | -17.6 | 12 | .3 | 339.6 | 8069 | -17.6 | 10 | .3 | 339.3 | 8062 | 0.0 | 0 | 0.0 | 0.0 | 0 | -18.8 | 11 | .2 | 337.7 | 8069 | 375 |
| 400 | -13.5 | 12 | .4 | 339.0 | 7583 | -13.8 | 10 | .3 | 338.4 | 7575 | -15.7 | 12 | .3 | 335.9 | 7563 | -15.2 | 10 | .3 | 336.5 | 7585 | 400 |
| 425 | -11.0 | 13 | .5 | 336.9 | 7119 | -10.6 | 11 | .4 | 337.1 | 7112 | -12.2 | 12 | .4 | 335.0 | 7103 | -11.9 | 10 | .4 | 335.2 | 7124 | 425 |
| 450 | -8.3 | 14 | .6 | 335.1 | 6678 | -9.1 | 13 | .5 | 333.9 | 6671 | -10.5 | 15 | .6 | 332.2 | 6665 | -11.0 | 11 | .4 | 331.0 | 6685 | 450 |
| 475 | -5.6 | 14 | .7 | 333.7 | 6256 | -6.3 | 12 | .6 | 332.6 | 6251 | -8.2 | 18 | .8 | 330.7 | 6247 | -7.7 | 11 | .5 | 330.3 | 6268 | 475 |
| 500 | -3.1 | 13 | .8 | 332.2 | 5852 | -3.1 | 11 | .7 | 331.7 | 5848 | -5.1 | 15 | .8 | 329.8 | 5846 | -4.7 | 12 | .6 | 329.7 | 5867 | 500 |
| 525 | -.7 | 13 | .9 | 330.9 | 5465 | -.4 | 10 | .7 | 330.5 | 5460 | -2.0 | 12 | .8 | 328.8 | 5461 | -2.0 | 13 | .8 | 329.0 | 5481 | 525 |
| 550 | 1.6 | 13 | 1.0 | 329.6 | 5092 | .7 | 11 | .8 | 327.9 | 5087 | -.1 | 16 | 1.1 | 327.8 | 5090 | -1.0 | 27 | 1.8 | 329.0 | 5111 | 550 |
| 575 | 2.7 | 19 | 1.5 | 328.4 | 4733 | 2.8 | 14 | 1.1 | 327.3 | 4729 | 1.6 | 19 | 1.4 | 326.9 | 4733 | 1.1 | 38 | 2.7 | 330.4 | 4754 | 575 |
| 600 | 3.1 | 39 | 3.1 | 330.0 | 4388 | 3.2 | 42 | 3.3 | 330.9 | 4385 | 2.0 | 44 | 3.2 | 328.9 | 4390 | 3.0 | 31 | 2.5 | 327.9 | 4411 | 600 |
| 625 | 5.3 | 31 | 2.8 | 327.8 | 4056 | 4.8 | 33 | 2.9 | 327.4 | 4053 | 3.6 | 49 | 3.8 | 329.0 | 4060 | 4.1 | 47 | 3.9 | 329.5 | 4080 | 625 |
| 650 | 7.5 | 26 | 2.6 | 326.0 | 3735 | 6.8 | 15 | 1.4 | 321.6 | 3732 | 6.3 | 33 | 3.0 | 325.8 | 3740 | 6.4 | 29 | 2.7 | 325.1 | 3759 | 650 |
| 675 | 9.7 | 20 | 2.2 | 323.9 | 3423 | 9.3 | 17 | 1.9 | 322.4 | 3421 | 8.0 | 29 | 2.9 | 324.0 | 3429 | 8.6 | 26 | 2.7 | 324.1 | 3449 | 675 |
| 700 | 11.4 | 22 | 2.7 | 323.9 | 3120 | 10.9 | 25 | 2.9 | 324.1 | 3119 | 10.3 | 32 | 3.6 | 325.4 | 3128 | 10.4 | 31 | 3.4 | 325.0 | 3147 | 700 |
| 725 | 12.8 | 34 | 4.4 | 327.5 | 2826 | 12.1 | 35 | 4.2 | 326.2 | 2825 | 10.8 | 57 | 6.4 | 331.1 | 2836 | 11.3 | 48 | 5.6 | 329.3 | 2854 | 725 |
| 750 | 14.1 | 45 | 6.1 | 330.8 | 2541 | 13.3 | 44 | 5.6 | 328.5 | 2541 | 11.8 | 87 | 10.1 | 339.7 | 2552 | 13.2 | 53 | 6.7 | 331.6 | 2570 | 750 |
| 775 | 15.8 | 30 | 4.4 | 324.6 | 2263 | 14.4 | 53 | 7.1 | 330.9 | 2264 | 13.4 | 88 | 11.1 | 341.0 | 2276 | 14.2 | 74 | 9.8 | 338.4 | 2293 | 775 |
| 800 | 16.9 | 36 | 5.4 | 326.0 | 1993 | 16.0 | 64 | 9.1 | 335.6 | 1995 | 14.3 | 70 | 9.0 | 333.2 | 2007 | 15.9 | 85 | 12.2 | 344.1 | 2023 | 800 |
| 825 | 17.5 | 56 | 8.5 | 332.7 | 1731 | 17.9 | 61 | 9.6 | 336.4 | 1732 | 17.3 | 53 | 8.0 | 330.9 | 1746 | 17.0 | 92 | 13.8 | 347.0 | 1760 | 825 |
| 850 | 18.3 | 65 | 10.2 | 335.3 | 1475 | 19.8 | 57 | 9.8 | 336.3 | 1475 | 18.9 | 59 | 9.6 | 334.4 | 1489 | 17.8 | 96 | 14.6 | 347.2 | 1504 | 850 |
| 875 | 19.1 | 66 | 10.5 | 334.4 | 1226 | 20.4 | 65 | 11.2 | 338.1 | 1224 | 19.0 | 81 | 13.0 | 341.2 | 1240 | 18.7 | 98 | 15.3 | 347.2 | 1254 | 875 |
| 900 | 20.0 | 67 | 11.0 | 334.1 | 983 | 20.4 | 78 | 13.1 | 340.5 | 980 | 20.1 | 88 | 14.6 | 344.0 | 996 | 20.3 | 90 | 15.1 | 346.0 | 1011 | 900 |
| 925 | 21.2 | 83 | 14.4 | 342.1 | 745 | 21.5 | 80 | 14.1 | 341.9 | 742 | 21.7 | 88 | 15.8 | 346.8 | 758 | 21.8 | 86 | 15.4 | 345.8 | 772 | 925 |
| 950 | 22.4 | 85 | 15.4 | 343.8 | 513 | 22.7 | 82 | 15.1 | 343.4 | 510 | 23.3 | 89 | 17.1 | 349.7 | 525 | 22.7 | 93 | 17.3 | 349.3 | 540 | 950 |
| 975 | 24.9 | 83 | 17.0 | 348.6 | 285 | 25.0 | 79 | 16.4 | 347.2 | 282 | 24.8 | 90 | 18.5 | 352.7 | 297 | 24.7 | 89 | 18.3 | 351.8 | 311 | 975 |
| 1000 | 27.3 | 81 | 18.7 | 353.7 | 60 | 27.2 | 77 | 17.7 | 351.0 | 58 | 26.3 | 91 | 19.9 | 355.9 | 73 | 26.3 | 86 | 18.8 | 352.7 | 87 | 1000 |
| SFC. | 27.9 | 80 | 19.1 | 355.1 | 0 | 27.8 | 76 | 18.1 | 352.0 | 0 | 26.8 | 91 | 20.4 | 357.0 | 0 | 26.6 | 86 | 19.0 | 352.6 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1006.8 | SURFACE PRESSURE | | | | 1006.5 | SURFACE PRESSURE | | | | 1008.2 | SURFACE PRESSURE | | | | 1009.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/15 1121 GMT T | RH | W | EPT | H | 3/15 1750 GMT T | RH | W | EPT | H | 3/16 0 0 GMT T | RH | W | EPT | H | 3/16 550 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.9 | 0 | 0.0 | 461.3 | 19622 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 0 | 0.0 | 460.0 | 19507 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -64.2 | 0 | 0.0 | 447.1 | 18688 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 16 | .0 | 440.3 | 18581 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -72.6 | 0 | 0.0 | 413.0 | 17879 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.6 | 17 | .0 | 410.9 | 17788 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -81.8 | 0 | 0.0 | 381.0 | 17208 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.1 | 18 | .0 | 382.5 | 17116 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -81.3 | 0 | 0.0 | 370.7 | 16617 | 0.0 | 0 | 0.0 | 0.0 | 0 | -83.0 | 18 | .0 | 367.4 | 16526 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -78.9 | 0 | 0.0 | 365.2 | 16078 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.5 | 18 | .0 | 364.1 | 15990 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -76.7 | 0 | 0.0 | 360.3 | 15580 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.3 | 17 | .0 | 361.1 | 15493 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -72.9 | 0 | 0.0 | 358.9 | 15115 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.3 | 17 | .0 | 358.2 | 15028 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -69.2 | 0 | 0.0 | 357.9 | 14677 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.2 | 17 | .0 | 356.1 | 14591 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -66.9 | 0 | 0.0 | 354.9 | 14262 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.1 | 17 | .0 | 354.6 | 14177 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -64.0 | 0 | 0.0 | 353.3 | 13869 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.1 | 16 | .0 | 353.0 | 13785 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -61.3 | 0 | 0.0 | 351.7 | 13496 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.4 | 16 | .0 | 351.6 | 13412 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -58.7 | 0 | 0.0 | 350.2 | 13139 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.8 | 16 | .0 | 350.1 | 13055 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -56.3 | 0 | 0.0 | 348.7 | 12798 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.0 | 16 | .0 | 349.3 | 12714 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -53.7 | 0 | 0.0 | 347.7 | 12470 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.3 | 16 | .0 | 348.5 | 12385 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -46.9 | 0 | 0.0 | 346.7 | 11701 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.9 | 16 | .0 | 346.8 | 11616 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -41.0 | 22 | .1 | 345.5 | 10994 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.2 | 16 | .1 | 345.1 | 10909 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -35.4 | 22 | .2 | 344.6 | 10338 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.1 | 15 | .1 | 343.4 | 10254 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -30.8 | 21 | .2 | 342.8 | 9726 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.4 | 15 | .1 | 341.8 | 9644 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -26.1 | 21 | .3 | 341.9 | 9152 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.1 | 15 | .2 | 340.1 | 9072 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -21.7 | 23 | .4 | 341.2 | 8611 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.4 | 15 | .3 | 338.3 | 8534 | -24.0 | 10 | .2 | 337.1 | 8562 | 350 |
| 375 | -17.6 | 24 | .6 | 340.7 | 8099 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.9 | 16 | .3 | 336.6 | 8026 | -20.3 | 10 | .2 | 335.5 | 8055 | 375 |
| 400 | -14.4 | 35 | 1.1 | 340.3 | 7613 | -15.2 | 13 | .4 | 336.7 | 7598 | -16.6 | 16 | .4 | 335.0 | 7544 | -16.9 | 10 | .3 | 334.0 | 7574 | 400 |
| 425 | -10.5 | 40 | 1.6 | 341.3 | 7149 | -11.3 | 13 | .5 | 336.4 | 7136 | -13.2 | 15 | .5 | 333.9 | 7085 | -13.0 | 10 | .3 | 333.6 | 7115 | 425 |
| 450 | -8.6 | 40 | 1.8 | 338.8 | 6708 | -8.7 | 13 | .6 | 334.5 | 6695 | -10.1 | 15 | .6 | 332.8 | 6647 | -9.7 | 10 | .4 | 332.6 | 6677 | 450 |
| 475 | -5.9 | 45 | 2.3 | 338.8 | 6286 | -6.7 | 13 | .6 | 332.0 | 6275 | -7.2 | 14 | .7 | 331.4 | 6228 | -7.9 | 10 | .4 | 329.9 | 6258 | 475 |
| 500 | -3.0 | 53 | 3.2 | 340.4 | 5882 | -4.7 | 17 | .9 | 330.6 | 5873 | -5.9 | 14 | .7 | 328.4 | 5828 | -5.1 | 10 | .5 | 328.7 | 5858 | 500 |
| 525 | -.5 | 58 | 4.0 | 341.3 | 5493 | -3.4 | 55 | 3.1 | 334.8 | 5488 | -3.8 | 16 | .9 | 327.0 | 5444 | -2.1 | 10 | .6 | 328.2 | 5472 | 525 |
| 550 | .2 | 33 | 2.3 | 332.2 | 5121 | -.8 | 49 | 3.2 | 333.9 | 5118 | -1.8 | 18 | 1.1 | 325.8 | 5076 | -.3 | 10 | .7 | 326.2 | 5101 | 550 |
| 575 | 2.6 | 14 | 1.1 | 327.1 | 4764 | .8 | 59 | 4.2 | 334.5 | 4761 | .1 | 20 | 1.3 | 324.8 | 4721 | 1.4 | 13 | .9 | 324.9 | 4745 | 575 |
| 600 | 2.8 | 58 | 4.5 | 333.7 | 4419 | 2.2 | 57 | 4.3 | 332.5 | 4418 | 1.7 | 29 | 2.1 | 325.2 | 4379 | 3.1 | 37 | 3.0 | 329.5 | 4402 | 600 |
| 625 | 5.0 | 41 | 3.6 | 329.9 | 4087 | 4.1 | 41 | 3.4 | 328.2 | 4087 | 3.1 | 45 | 3.4 | 327.1 | 4049 | 4.2 | 43 | 3.5 | 328.7 | 4070 | 625 |
| 650 | 7.5 | 26 | 2.6 | 326.1 | 3766 | 6.6 | 29 | 2.7 | 325.3 | 3767 | 5.5 | 25 | 2.1 | 322.2 | 3730 | 6.3 | 18 | 1.6 | 321.6 | 3749 | 650 |
| 675 | 9.8 | 22 | 2.5 | 324.9 | 3454 | 9.1 | 25 | 2.7 | 324.6 | 3456 | 7.7 | 25 | 2.5 | 322.3 | 3420 | 9.0 | 16 | 1.7 | 321.3 | 3439 | 675 |
| 700 | 11.5 | 28 | 3.5 | 326.5 | 3151 | 10.2 | 43 | 4.8 | 328.9 | 3154 | 9.7 | 33 | 3.6 | 324.7 | 3120 | 11.5 | 14 | 1.7 | 321.0 | 3137 | 700 |
| 725 | 12.6 | 49 | 6.1 | 332.4 | 2857 | 12.2 | 57 | 7.0 | 334.6 | 2861 | 11.3 | 36 | 4.1 | 325.0 | 2827 | 12.0 | 33 | 4.0 | 325.4 | 2843 | 725 |
| 750 | 13.6 | 83 | 10.8 | 343.9 | 2571 | 14.2 | 48 | 6.6 | 332.4 | 2575 | 12.7 | 36 | 4.4 | 324.1 | 2544 | 11.2 | 64 | 7.1 | 330.3 | 2560 | 750 |
| 775 | 15.4 | 95 | 13.7 | 351.1 | 2293 | 16.2 | 40 | 5.9 | 329.7 | 2297 | 14.0 | 35 | 4.6 | 323.2 | 2268 | 12.7 | 94 | 11.3 | 340.9 | 2285 | 775 |
| 800 | 15.7 | 94 | 13.4 | 347.2 | 2022 | 17.7 | 36 | 5.8 | 327.9 | 2027 | 15.3 | 35 | 4.8 | 322.3 | 1999 | 14.8 | 96 | 12.8 | 344.5 | 2016 | 800 |
| 825 | 18.0 | 88 | 13.9 | 348.5 | 1759 | 18.4 | 48 | 7.7 | 331.4 | 1763 | 16.5 | 35 | 5.1 | 321.7 | 1738 | 16.8 | 98 | 14.4 | 348.3 | 1754 | 825 |
| 850 | 19.8 | 80 | 13.8 | 347.5 | 1501 | 19.1 | 74 | 12.2 | 342.1 | 1506 | 17.6 | 47 | 7.0 | 325.6 | 1483 | 18.6 | 96 | 15.4 | 350.6 | 1497 | 850 |
| 875 | 20.0 | 92 | 15.7 | 350.0 | 1250 | 19.8 | 77 | 12.8 | 341.7 | 1256 | 18.5 | 59 | 9.1 | 329.7 | 1235 | 20.0 | 78 | 13.1 | 342.9 | 1246 | 875 |
| 900 | 21.3 | 91 | 16.3 | 350.5 | 1005 | 20.5 | 81 | 13.8 | 342.6 | 1012 | 19.8 | 62 | 10.1 | 331.3 | 992 | 21.0 | 73 | 12.7 | 340.2 | 1002 | 900 |
| 925 | 22.8 | 87 | 16.6 | 350.4 | 766 | 21.4 | 88 | 15.4 | 345.1 | 774 | 21.1 | 62 | 10.7 | 332.0 | 755 | 21.8 | 79 | 14.3 | 342.6 | 764 | 925 |
| 950 | 24.2 | 84 | 17.2 | 351.0 | 532 | 22.2 | 94 | 16.9 | 347.6 | 542 | 22.5 | 63 | 11.4 | 332.8 | 523 | 23.3 | 83 | 16.0 | 346.5 | 531 | 950 |
| 975 | 26.1 | 88 | 19.6 | 357.4 | 303 | 24.6 | 92 | 18.7 | 353.0 | 314 | 23.7 | 63 | 12.0 | 333.5 | 296 | 24.8 | 86 | 17.8 | 350.7 | 303 | 975 |
| 1000 | 28.0 | 91 | 22.2 | 364.3 | 77 | 27.0 | 90 | 20.6 | 358.7 | 89 | 27.0 | 76 | 17.3 | 349.6 | 74 | 26.3 | 90 | 19.7 | 355.2 | 79 | 1000 |
| SFC. | 26.8 | 95 | 21.3 | 359.4 | 0 | 26.1 | 95 | 20.4 | 355.8 | 0 | 29.5 | 89 | 23.5 | 369.2 | 0 | 26.8 | 91 | 20.4 | 356.9 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.7 | SURFACE PRESSURE | | | | 1010.1 | SURFACE PRESSURE | | | | 1008.3 | SURFACE PRESSURE | | | | 1008.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/16 1240 GMT T | RH | W | EPT | H | 3/16 1510 GMT T | RH | W | EPT | H | 3/16 1755 GMT T | RH | W | EPT | H | 3/16 2045 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.5 | 0 | 0.0 | 457.7 | 19564 | -63.5 | 0 | 0.0 | 468.8 | 19510 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.7 | 0 | 0.0 | 459.4 | 19554 | 60 |
| 70 | -67.6 | 0 | 0.0 | 439.7 | 18640 | -68.9 | 0 | 0.0 | 437.0 | 18584 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.0 | 0 | 0.0 | 436.7 | 18634 | 70 |
| 80 | -66.8 | 18 | .0 | 425.0 | 17832 | -72.1 | 0 | 0.0 | 414.1 | 17783 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.6 | 0 | 0.0 | 425.4 | 17831 | 80 |
| 90 | -80.2 | 18 | .0 | 384.3 | 17147 | -82.2 | 0 | 0.0 | 380.3 | 17110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.4 | 19 | .0 | 387.9 | 17143 | 90 |
| 100 | -81.8 | 18 | .0 | 369.7 | 16554 | -81.1 | 0 | 0.0 | 371.1 | 16519 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.6 | 20 | .0 | 374.0 | 16543 | 100 |
| 110 | -78.6 | 18 | .0 | 365.9 | 16015 | -78.3 | 0 | 0.0 | 366.4 | 15979 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.4 | 18 | .0 | 364.3 | 16003 | 110 |
| 120 | -75.6 | 18 | .0 | 362.3 | 15515 | -75.7 | 0 | 0.0 | 362.1 | 15480 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.9 | 18 | .0 | 359.9 | 15507 | 120 |
| 130 | -72.9 | 18 | .0 | 359.0 | 15049 | -73.3 | 0 | 0.0 | 358.1 | 15014 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.7 | 18 | .0 | 357.5 | 15043 | 130 |
| 140 | -70.4 | 18 | .0 | 355.9 | 14612 | -70.6 | 0 | 0.0 | 355.4 | 14578 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.8 | 18 | .0 | 355.2 | 14607 | 140 |
| 150 | -67.4 | 18 | .0 | 354.1 | 14199 | -67.4 | 0 | 0.0 | 354.0 | 14165 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.5 | 18 | .0 | 353.9 | 14195 | 150 |
| 160 | -64.1 | 17 | .0 | 353.1 | 13807 | -64.4 | 0 | 0.0 | 352.6 | 13774 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.2 | 17 | .0 | 352.9 | 13803 | 160 |
| 170 | -61.1 | 17 | .0 | 352.0 | 13434 | -61.6 | 0 | 0.0 | 351.2 | 13401 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.2 | 17 | .0 | 351.9 | 13429 | 170 |
| 180 | -58.3 | 17 | .0 | 351.0 | 13076 | -58.9 | 0 | 0.0 | 349.9 | 13044 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.3 | 16 | .0 | 350.9 | 13072 | 180 |
| 190 | -55.6 | 17 | .0 | 350.0 | 12734 | -56.4 | 0 | 0.0 | 348.6 | 12703 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.6 | 16 | .0 | 349.9 | 12730 | 190 |
| 200 | -53.0 | 16 | .0 | 348.9 | 12405 | -54.0 | 0 | 0.0 | 347.3 | 12375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.1 | 16 | .0 | 348.9 | 12401 | 200 |
| 225 | -47.2 | 16 | .0 | 346.3 | 11636 | -48.1 | 17 | .0 | 345.0 | 11609 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.2 | 17 | .0 | 346.4 | 11632 | 225 |
| 250 | -42.3 | 15 | .1 | 343.5 | 10931 | -42.7 | 17 | .1 | 342.9 | 10907 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.9 | 17 | .1 | 344.1 | 10926 | 250 |
| 275 | -36.3 | 14 | .1 | 343.0 | 10279 | -36.3 | 16 | .1 | 343.1 | 10254 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.7 | 16 | .1 | 342.5 | 10274 | 275 |
| 300 | -31.1 | 14 | .1 | 342.1 | 9668 | -30.4 | 15 | .2 | 343.2 | 9643 | -32.6 | 14 | .1 | 340.0 | 9643 | -31.6 | 16 | .1 | 341.4 | 9665 | 300 |
| 325 | -27.3 | 14 | .2 | 339.8 | 9096 | -28.3 | 14 | .2 | 338.3 | 9072 | -27.6 | 13 | .2 | 339.4 | 9073 | -27.4 | 15 | .2 | 339.7 | 9093 | 325 |
| 350 | -23.7 | 14 | .2 | 337.7 | 8558 | -24.1 | 14 | .2 | 337.2 | 8536 | -24.1 | 13 | .2 | 337.1 | 8537 | -23.9 | 16 | .3 | 337.6 | 8557 | 350 |
| 375 | -20.4 | 14 | .3 | 335.7 | 8051 | -20.8 | 15 | .3 | 335.2 | 8030 | -21.0 | 14 | .3 | 334.8 | 8030 | -21.1 | 16 | .3 | 334.8 | 8050 | 375 |
| 400 | -17.3 | 14 | .3 | 333.9 | 7570 | -17.8 | 16 | .4 | 333.3 | 7550 | -18.1 | 14 | .3 | 332.7 | 7551 | -17.4 | 16 | .4 | 333.9 | 7570 | 400 |
| 425 | -12.9 | 13 | .4 | 334.1 | 7112 | -13.9 | 15 | .5 | 332.9 | 7093 | -14.2 | 13 | .4 | 332.3 | 7095 | -13.7 | 15 | .5 | 333.2 | 7112 | 425 |
| 450 | -9.5 | 13 | .5 | 333.2 | 6673 | -10.5 | 14 | .5 | 332.0 | 6656 | -10.7 | 13 | .5 | 331.6 | 6658 | -10.2 | 14 | .5 | 332.4 | 6675 | 450 |
| 475 | -7.8 | 13 | .6 | 330.4 | 6254 | -8.8 | 15 | .6 | 329.3 | 6239 | -8.7 | 16 | .7 | 329.6 | 6241 | -8.3 | 15 | .7 | 330.2 | 6257 | 475 |
| 500 | -6.1 | 31 | 1.5 | 330.8 | 5854 | -6.7 | 27 | 1.2 | 329.2 | 5840 | -6.9 | 17 | .8 | 327.4 | 5842 | -6.2 | 16 | .8 | 328.3 | 5857 | 500 |
| 525 | -2.9 | 14 | .8 | 327.9 | 5470 | -3.8 | 28 | 1.6 | 329.4 | 5457 | -4.2 | 20 | 1.0 | 327.1 | 5460 | -3.5 | 17 | .9 | 327.6 | 5474 | 525 |
| 550 | -.6 | 15 | 1.0 | 326.8 | 5100 | -1.0 | 18 | 1.1 | 326.9 | 5088 | -1.1 | 20 | 1.3 | 327.2 | 5091 | -1.0 | 17 | 1.1 | 326.9 | 5104 | 550 |
| 575 | .3 | 31 | 2.1 | 327.4 | 4744 | -.0 | 29 | 1.9 | 326.4 | 4733 | -.4 | 21 | 1.3 | 324.1 | 4736 | -.1 | 19 | 1.3 | 324.3 | 4749 | 575 |
| 600 | 1.6 | 46 | 3.3 | 328.7 | 4402 | .7 | 43 | 2.9 | 326.5 | 4391 | .3 | 30 | 1.9 | 322.9 | 4396 | 1.7 | 20 | 1.4 | 322.9 | 4408 | 600 |
| 625 | 3.9 | 26 | 2.1 | 323.9 | 4072 | 3.6 | 26 | 2.0 | 323.3 | 4062 | 3.0 | 19 | 1.4 | 320.6 | 4067 | 4.0 | 19 | 1.5 | 322.3 | 4078 | 625 |
| 650 | 6.5 | 22 | 2.0 | 323.0 | 3752 | 5.8 | 24 | 2.1 | 322.4 | 3742 | 5.3 | 20 | 1.7 | 320.7 | 3748 | 6.1 | 19 | 1.7 | 321.6 | 3758 | 650 |
| 675 | 8.7 | 21 | 2.2 | 322.8 | 3441 | 7.6 | 30 | 2.9 | 323.5 | 3432 | 7.5 | 22 | 2.1 | 320.9 | 3439 | 8.2 | 18 | 1.8 | 321.0 | 3448 | 675 |
| 700 | 9.7 | 38 | 4.1 | 326.2 | 3140 | 9.3 | 36 | 3.8 | 324.9 | 3132 | 9.0 | 26 | 2.7 | 321.1 | 3138 | 9.8 | 21 | 2.3 | 321.1 | 3147 | 700 |
| 725 | 10.8 | 55 | 6.1 | 330.4 | 2848 | 11.0 | 42 | 4.7 | 326.5 | 2840 | 10.8 | 33 | 3.7 | 323.0 | 2847 | 11.2 | 27 | 3.1 | 321.8 | 2855 | 725 |
| 750 | 12.3 | 71 | 8.6 | 335.8 | 2564 | 12.4 | 57 | 6.9 | 331.3 | 2556 | 12.5 | 40 | 4.8 | 325.2 | 2564 | 12.4 | 33 | 4.0 | 322.7 | 2571 | 750 |
| 775 | 14.5 | 53 | 7.1 | 331.1 | 2287 | 14.1 | 55 | 7.1 | 330.7 | 2280 | 13.8 | 46 | 5.9 | 326.9 | 2288 | 13.6 | 40 | 5.0 | 324.0 | 2296 | 775 |
| 800 | 15.1 | 75 | 10.2 | 337.7 | 2018 | 15.2 | 66 | 9.0 | 334.2 | 2011 | 14.6 | 53 | 7.0 | 327.9 | 2019 | 14.7 | 48 | 6.4 | 326.3 | 2027 | 800 |
| 825 | 16.2 | 86 | 12.1 | 341.4 | 1756 | 15.9 | 84 | 11.7 | 339.6 | 1749 | 15.7 | 65 | 8.8 | 331.3 | 1758 | 15.7 | 61 | 8.4 | 330.1 | 1766 | 825 |
| 850 | 17.7 | 87 | 13.1 | 342.9 | 1501 | 17.1 | 90 | 13.1 | 342.1 | 1494 | 16.8 | 76 | 10.8 | 335.2 | 1504 | 17.0 | 63 | 9.1 | 330.8 | 1512 | 850 |
| 875 | 19.1 | 88 | 14.1 | 344.5 | 1251 | 18.8 | 87 | 13.6 | 342.8 | 1245 | 18.1 | 77 | 11.5 | 336.1 | 1255 | 18.2 | 65 | 9.9 | 331.6 | 1264 | 875 |
| 900 | 20.4 | 89 | 15.2 | 346.2 | 1007 | 20.3 | 85 | 14.4 | 343.7 | 1001 | 19.5 | 76 | 12.1 | 336.6 | 1013 | 19.4 | 67 | 10.7 | 332.4 | 1021 | 900 |
| 925 | 21.8 | 90 | 16.3 | 348.0 | 769 | 21.2 | 91 | 15.7 | 345.9 | 763 | 20.6 | 78 | 13.0 | 337.5 | 776 | 20.6 | 69 | 11.5 | 333.4 | 785 | 925 |
| 950 | 23.1 | 92 | 17.4 | 350.0 | 536 | 22.1 | 96 | 17.1 | 348.1 | 531 | 21.9 | 83 | 14.7 | 341.1 | 544 | 21.7 | 71 | 12.3 | 334.4 | 553 | 950 |
| 975 | 24.3 | 93 | 18.5 | 351.9 | 307 | 24.2 | 91 | 17.9 | 350.2 | 303 | 23.5 | 79 | 14.9 | 341.2 | 317 | 24.8 | 74 | 15.2 | 343.6 | 326 | 975 |
| 1000 | 25.5 | 94 | 19.6 | 354.0 | 84 | 26.3 | 85 | 18.6 | 352.1 | 80 | 25.5 | 80 | 16.8 | 346.2 | 94 | 27.8 | 78 | 18.6 | 354.3 | 101 | 1000 |
| SFC. | 26.0 | 94 | 20.1 | 354.8 | 0 | 27.0 | 83 | 18.8 | 352.7 | 0 | 26.8 | 87 | 19.5 | 354.0 | 0 | 29.2 | 79 | 20.3 | 359.7 | 0 | SFC. |
| | SURFACE PRESSURE 1009.5 | | | | | SURFACE PRESSURE 1009.0 | | | | | SURFACE PRESSURE 1010.7 | | | | | SURFACE PRESSURE 1011.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/16 2345 GMT | | | | | 3/17 240 GMT | | | | | 3/17 534 GMT | | | | | 3/17 825 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -68.6 | 0 | 0.0 | 457.4 | 19461 | -67.7 | 0 | 0.0 | 459.4 | 19540 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.4 | 0 | 0.0 | 464.5 | 19483 | 60 |
| 70 | -70.7 | 0 | 0.0 | 433.2 | 18548 | -72.4 | 0 | 0.0 | 429.5 | 18626 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.7 | 0 | 0.0 | 433.1 | 18557 | 70 |
| 80 | -68.2 | 0 | 0.0 | 422.0 | 17751 | -67.6 | 21 | .0 | 423.4 | 17832 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 22 | .0 | 415.6 | 17770 | 80 |
| 90 | -79.5 | 0 | 0.0 | 385.5 | 17060 | -78.2 | 22 | .0 | 388.2 | 17142 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.2 | 23 | .0 | 386.2 | 17087 | 90 |
| 100 | -80.5 | 20 | .0 | 372.2 | 16467 | -78.3 | 21 | .0 | 376.5 | 16542 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.4 | 24 | .0 | 374.4 | 16492 | 100 |
| 110 | -79.7 | 20 | .0 | 363.7 | 15929 | -77.8 | 21 | .0 | 367.2 | 15998 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.6 | 24 | .0 | 365.7 | 15949 | 110 |
| 120 | -76.6 | 20 | .0 | 360.4 | 15432 | -75.6 | 21 | .0 | 362.3 | 15497 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.3 | 23 | .0 | 361.0 | 15451 | 120 |
| 130 | -74.5 | 20 | .0 | 356.1 | 14969 | -73.6 | 21 | .0 | 357.8 | 15032 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.9 | 22 | .0 | 357.2 | 14986 | 130 |
| 140 | -71.4 | 20 | .0 | 354.1 | 14534 | -70.9 | 21 | .0 | 354.9 | 14596 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 22 | .0 | 353.7 | 14551 | 140 |
| 150 | -68.5 | 19 | .0 | 352.1 | 14124 | -67.6 | 21 | .0 | 353.6 | 14184 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.3 | 21 | .0 | 350.8 | 14142 | 150 |
| 160 | -65.8 | 19 | .0 | 350.3 | 13734 | -64.6 | 21 | .0 | 352.3 | 13793 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.2 | 21 | .0 | 349.6 | 13754 | 160 |
| 170 | -62.8 | 19 | .0 | 349.2 | 13363 | -61.7 | 21 | .0 | 351.0 | 13420 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.3 | 21 | .0 | 348.5 | 13384 | 170 |
| 180 | -60.0 | 19 | .0 | 348.2 | 13009 | -58.9 | 20 | .0 | 350.0 | 13064 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.5 | 21 | .0 | 347.3 | 13030 | 180 |
| 190 | -57.3 | 18 | .0 | 347.2 | 12669 | -56.2 | 20 | .0 | 348.9 | 12722 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.9 | 20 | .0 | 346.1 | 12691 | 190 |
| 200 | -54.8 | 18 | .0 | 346.1 | 12343 | -53.7 | 20 | .0 | 347.9 | 12395 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.5 | 20 | .0 | 345.0 | 12366 | 200 |
| 225 | -48.8 | 18 | .0 | 343.9 | 11580 | -47.6 | 19 | .0 | 345.7 | 11627 | 0.0 | 0 | 0.0 | 0.0 | 0 | -49.7 | 20 | .0 | 342.5 | 11606 | 225 |
| 250 | -42.8 | 18 | .1 | 342.7 | 10878 | -41.8 | 19 | .1 | 344.2 | 10923 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.8 | 21 | .1 | 341.3 | 10907 | 250 |
| 275 | -37.4 | 17 | .1 | 341.4 | 10228 | -36.5 | 18 | .1 | 342.8 | 10269 | 0.0 | 0 | 0.0 | 0.0 | 0 | -38.4 | 22 | .1 | 340.1 | 10259 | 275 |
| 300 | -32.5 | 17 | .1 | 340.1 | 9621 | -31.7 | 18 | .2 | 341.4 | 9660 | 0.0 | 0 | 0.0 | 0.0 | 0 | -33.3 | 21 | .2 | 339.1 | 9655 | 300 |
| 325 | -28.6 | 17 | .2 | 338.0 | 9052 | -27.2 | 18 | .2 | 340.1 | 9089 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.4 | 18 | .2 | 338.3 | 9087 | 325 |
| 350 | -24.4 | 18 | .3 | 336.9 | 8517 | -23.4 | 18 | .3 | 338.4 | 8551 | -24.1 | 23 | .4 | 337.7 | 8562 | -25.6 | 20 | .3 | 335.3 | 8552 | 350 |
| 375 | -21.0 | 18 | .3 | 335.1 | 8011 | -20.0 | 17 | .4 | 336.5 | 8043 | -20.4 | 20 | .4 | 336.1 | 8055 | -21.7 | 19 | .3 | 334.2 | 8048 | 375 |
| 400 | -17.9 | 17 | .4 | 333.3 | 7531 | -16.8 | 17 | .4 | 334.8 | 7561 | -17.0 | 17 | .4 | 334.6 | 7574 | -18.0 | 17 | .4 | 333.2 | 7569 | 400 |
| 425 | -14.3 | 17 | .5 | 332.5 | 7074 | -13.2 | 17 | .6 | 334.1 | 7103 | -13.6 | 17 | .5 | 333.5 | 7116 | -14.5 | 16 | .5 | 332.1 | 7112 | 425 |
| 450 | -10.9 | 16 | .6 | 331.8 | 6638 | -9.9 | 17 | .7 | 333.4 | 6665 | -10.4 | 17 | .7 | 332.6 | 6679 | -11.3 | 15 | .5 | 331.1 | 6677 | 450 |
| 475 | -8.7 | 17 | .7 | 329.8 | 6221 | -8.0 | 17 | .7 | 330.8 | 6246 | -8.2 | 15 | .7 | 330.2 | 6261 | -9.0 | 15 | .6 | 329.2 | 6260 | 475 |
| 500 | -7.0 | 18 | .8 | 327.5 | 5822 | -5.9 | 17 | .8 | 328.9 | 5846 | -6.1 | 15 | .7 | 328.3 | 5861 | -6.9 | 16 | .7 | 327.2 | 5862 | 500 |
| 525 | -4.5 | 18 | .9 | 326.3 | 5440 | -3.6 | 18 | 1.0 | 327.6 | 5463 | -3.9 | 19 | 1.0 | 327.4 | 5478 | -4.9 | 16 | .8 | 325.4 | 5480 | 525 |
| 550 | -2.3 | 18 | 1.1 | 325.1 | 5072 | -1.4 | 18 | 1.1 | 326.4 | 5094 | -1.8 | 22 | 1.3 | 326.6 | 5109 | -2.5 | 17 | 1.0 | 324.5 | 5112 | 550 |
| 575 | -1.1 | 19 | 1.2 | 322.8 | 4719 | .7 | 18 | 1.3 | 325.3 | 4738 | .1 | 25 | 1.7 | 326.0 | 4754 | -.3 | 18 | 1.1 | 323.7 | 4758 | 575 |
| 600 | .3 | 20 | 1.3 | 320.8 | 4378 | 2.7 | 19 | 1.4 | 324.3 | 4395 | 2.0 | 28 | 2.1 | 325.5 | 4412 | 1.5 | 35 | 2.5 | 326.1 | 4417 | 600 |
| 625 | 2.5 | 19 | 1.4 | 320.1 | 4050 | 4.7 | 19 | 1.6 | 323.3 | 4064 | 4.3 | 27 | 2.2 | 324.8 | 4081 | 3.6 | 19 | 1.5 | 321.6 | 4087 | 625 |
| 650 | 4.6 | 19 | 1.5 | 319.4 | 3732 | 6.5 | 19 | 1.8 | 322.5 | 3744 | 6.6 | 25 | 2.3 | 324.1 | 3761 | 5.9 | 20 | 1.8 | 321.7 | 3767 | 650 |
| 675 | 6.7 | 18 | 1.6 | 318.7 | 3423 | 8.3 | 20 | 2.0 | 321.7 | 3433 | 8.8 | 22 | 2.3 | 323.2 | 3450 | 8.1 | 22 | 2.2 | 321.9 | 3457 | 675 |
| 700 | 8.3 | 23 | 2.3 | 319.2 | 3124 | 10.0 | 21 | 2.3 | 321.3 | 3132 | 10.1 | 18 | 2.0 | 320.3 | 3149 | 9.7 | 26 | 2.8 | 322.3 | 3156 | 700 |
| 725 | 9.7 | 32 | 3.3 | 320.7 | 2834 | 11.6 | 28 | 3.3 | 322.7 | 2840 | 11.2 | 29 | 3.3 | 322.5 | 2857 | 11.1 | 31 | 3.5 | 322.9 | 2864 | 725 |
| 750 | 11.0 | 41 | 4.5 | 322.4 | 2551 | 13.0 | 35 | 4.4 | 324.4 | 2555 | 12.3 | 45 | 5.4 | 326.8 | 2573 | 12.0 | 53 | 6.2 | 328.6 | 2581 | 750 |
| 775 | 12.1 | 48 | 5.5 | 323.8 | 2277 | 14.4 | 41 | 5.5 | 326.3 | 2279 | 13.6 | 64 | 8.1 | 332.8 | 2297 | 12.8 | 74 | 8.9 | 334.2 | 2306 | 775 |
| 800 | 13.2 | 55 | 6.6 | 325.0 | 2010 | 15.5 | 64 | 8.9 | 334.3 | 2010 | 14.9 | 83 | 11.1 | 339.8 | 2028 | 14.0 | 84 | 10.7 | 337.7 | 2038 | 800 |
| 825 | 13.5 | 64 | 7.6 | 325.4 | 1751 | 15.4 | 80 | 10.7 | 336.2 | 1749 | 16.2 | 93 | 13.2 | 344.3 | 1766 | 15.6 | 85 | 11.6 | 339.2 | 1776 | 825 |
| 850 | 16.7 | 91 | 12.9 | 341.0 | 1498 | 17.2 | 79 | 11.5 | 337.8 | 1494 | 17.5 | 94 | 14.0 | 345.2 | 1511 | 17.2 | 86 | 12.6 | 340.8 | 1521 | 850 |
| 875 | 17.9 | 93 | 13.8 | 342.2 | 1249 | 19.0 | 76 | 12.1 | 338.7 | 1245 | 18.9 | 94 | 14.9 | 346.3 | 1261 | 18.7 | 87 | 13.6 | 342.5 | 1272 | 875 |
| 900 | 19.2 | 94 | 14.7 | 343.4 | 1006 | 20.4 | 74 | 12.4 | 338.6 | 1002 | 20.1 | 94 | 15.7 | 347.3 | 1017 | 20.1 | 88 | 14.6 | 344.3 | 1028 | 900 |
| 925 | 20.4 | 95 | 15.7 | 344.7 | 769 | 21.9 | 74 | 13.4 | 340.5 | 764 | 21.4 | 95 | 16.6 | 348.4 | 779 | 21.6 | 88 | 15.7 | 346.2 | 790 | 925 |
| 950 | 22.1 | 87 | 15.5 | 343.5 | 537 | 23.5 | 77 | 14.9 | 343.6 | 531 | 22.6 | 95 | 17.5 | 349.6 | 546 | 22.9 | 89 | 16.8 | 348.2 | 557 | 950 |
| 975 | 23.8 | 78 | 15.0 | 341.7 | 310 | 25.0 | 79 | 16.3 | 347.0 | 302 | 24.7 | 91 | 18.5 | 352.5 | 318 | 24.3 | 90 | 17.9 | 350.3 | 329 | 975 |
| 1000 | 26.4 | 76 | 16.6 | 346.9 | 87 | 27.1 | 85 | 19.5 | 355.6 | 78 | 25.9 | 92 | 19.8 | 354.9 | 94 | 25.6 | 91 | 19.1 | 352.5 | 106 | 1000 |
| SFC. | 28.9 | 85 | 21.6 | 362.9 | 0 | 27.8 | 87 | 20.7 | 359.1 | 0 | 26.1 | 95 | 20.4 | 355.7 | 0 | 26.2 | 91 | 19.6 | 353.6 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.8 | SURFACE PRESSURE | | | | 1008.8 | SURFACE PRESSURE | | | | 1010.7 | SURFACE PRESSURE | | | | 1012.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/17 1119 GMT | | | | | 3/17 1745 GMT | | | | | 3/17 2345 GMT | | | | | 3/18 728 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.9 | 0 | 0.0 | 463.5 | 19484 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.1 | 0 | 0.0 | 467.4 | 19621 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -68.9 | 0 | 0.0 | 437.1 | 18555 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.9 | 16 | .0 | 435.0 | 18686 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -70.8 | 23 | .0 | 416.7 | 17764 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.0 | 16 | .0 | 420.4 | 17893 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -81.0 | 24 | .0 | 382.6 | 17085 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.2 | 16 | .0 | 392.1 | 17196 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -79.4 | 25 | .0 | 374.3 | 16490 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.8 | 17 | .0 | 373.6 | 16596 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -78.2 | 24 | .0 | 366.5 | 15947 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.8 | 17 | .0 | 365.4 | 16056 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -76.1 | 26 | .0 | 361.4 | 15449 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.6 | 16 | .0 | 362.2 | 15557 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -73.5 | 28 | .0 | 358.0 | 14984 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.7 | 16 | .0 | 359.3 | 15090 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -71.0 | 30 | .0 | 354.8 | 14548 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.5 | 16 | .0 | 357.4 | 14652 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.7 | 32 | .0 | 351.8 | 14137 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.5 | 16 | .0 | 355.6 | 14237 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -66.4 | 33 | .0 | 349.3 | 13748 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.7 | 16 | .0 | 353.9 | 13844 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -63.4 | 31 | .0 | 348.3 | 13379 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.8 | 16 | .0 | 352.6 | 13470 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -60.5 | 28 | .0 | 347.4 | 13025 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.9 | 16 | .0 | 351.7 | 13112 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -57.8 | 26 | .0 | 346.4 | 12686 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.1 | 16 | .0 | 350.7 | 12768 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -55.3 | 24 | .0 | 345.4 | 12361 | 0.0 | 0 | 0.0 | 0.0 | 0 | -52.5 | 15 | .0 | 349.8 | 12439 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -49.2 | 20 | .0 | 343.2 | 11599 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.4 | 15 | .0 | 347.5 | 11667 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -43.3 | 20 | .1 | 342.1 | 10899 | 0.0 | 0 | 0.0 | 0.0 | 0 | -40.3 | 15 | .1 | 346.5 | 10958 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -38.4 | 23 | .1 | 340.1 | 10250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -34.7 | 15 | .1 | 345.4 | 10301 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -33.5 | 23 | .2 | 338.8 | 9646 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.4 | 17 | .1 | 340.3 | 9687 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -28.5 | 18 | .2 | 338.3 | 9078 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.0 | 17 | .2 | 338.9 | 9118 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -25.0 | 20 | .3 | 336.2 | 8544 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.7 | 17 | .3 | 338.0 | 8581 | -25.8 | 36 | .5 | 335.8 | 8564 | 350 |
| 375 | -21.0 | 19 | .4 | 335.2 | 8038 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.8 | 16 | .3 | 336.8 | 8073 | -20.9 | 32 | .6 | 336.2 | 8059 | 375 |
| 400 | -17.7 | 18 | .4 | 333.6 | 7558 | -17.0 | 18 | .5 | 334.6 | 7581 | -16.1 | 16 | .4 | 335.8 | 7591 | -17.7 | 37 | .9 | 335.2 | 7579 | 400 |
| 425 | -14.3 | 17 | .5 | 332.5 | 7102 | -14.0 | 16 | .5 | 332.8 | 7124 | -12.8 | 15 | .5 | 334.6 | 7131 | -14.3 | 31 | .9 | 334.0 | 7122 | 425 |
| 450 | -11.1 | 15 | .6 | 331.3 | 6666 | -10.2 | 15 | .6 | 332.6 | 6687 | -9.6 | 14 | .6 | 333.4 | 6693 | -11.1 | 25 | .9 | 332.6 | 6686 | 450 |
| 475 | -8.8 | 16 | .7 | 329.5 | 6249 | -7.7 | 14 | .6 | 330.8 | 6268 | -7.3 | 14 | .6 | 331.3 | 6273 | -8.1 | 19 | .8 | 331.0 | 6268 | 475 |
| 500 | -6.8 | 17 | .8 | 327.6 | 5850 | -5.3 | 13 | .7 | 329.0 | 5868 | -5.6 | 13 | .7 | 328.7 | 5873 | -5.7 | 17 | .8 | 329.1 | 5868 | 500 |
| 525 | -4.9 | 18 | .9 | 325.8 | 5468 | -3.4 | 15 | .9 | 327.4 | 5484 | -3.3 | 13 | .7 | 327.1 | 5489 | -3.8 | 17 | .9 | 327.1 | 5484 | 525 |
| 550 | -2.7 | 36 | 2.1 | 328.0 | 5101 | -1.2 | 15 | 1.0 | 326.1 | 5114 | -.8 | 12 | .8 | 326.1 | 5119 | -2.0 | 17 | 1.0 | 325.3 | 5116 | 550 |
| 575 | -.5 | 57 | 3.7 | 331.5 | 4746 | .9 | 15 | 1.0 | 324.7 | 4759 | 1.7 | 12 | .9 | 325.2 | 4763 | .2 | 16 | 1.1 | 324.1 | 4762 | 575 |
| 600 | 1.7 | 74 | 5.4 | 335.1 | 4404 | 2.2 | 17 | 1.2 | 323.0 | 4416 | 2.9 | 13 | 1.0 | 322.9 | 4419 | 2.9 | 15 | 1.2 | 323.6 | 4419 | 600 |
| 625 | 3.6 | 55 | 4.3 | 330.5 | 4073 | 3.9 | 17 | 1.4 | 321.7 | 4086 | 5.0 | 13 | 1.1 | 322.1 | 4088 | 5.1 | 17 | 1.5 | 323.3 | 4087 | 625 |
| 650 | 5.6 | 35 | 3.1 | 325.3 | 3754 | 6.2 | 17 | 1.6 | 321.3 | 3766 | 7.3 | 13 | 1.3 | 321.6 | 3767 | 7.1 | 20 | 1.9 | 323.3 | 3766 | 650 |
| 675 | 7.4 | 29 | 2.8 | 323.0 | 3444 | 8.8 | 19 | 2.0 | 322.2 | 3455 | 9.5 | 13 | 1.4 | 321.1 | 3455 | 9.0 | 22 | 2.3 | 323.4 | 3455 | 675 |
| 700 | 9.3 | 30 | 3.2 | 323.0 | 3144 | 10.5 | 24 | 2.7 | 322.9 | 3154 | 11.6 | 13 | 1.6 | 320.7 | 3153 | 10.8 | 24 | 2.8 | 323.7 | 3153 | 700 |
| 725 | 10.8 | 39 | 4.3 | 324.9 | 2852 | 12.0 | 29 | 3.5 | 323.8 | 2861 | 13.3 | 17 | 2.2 | 321.5 | 2859 | 12.6 | 27 | 3.3 | 324.0 | 2860 | 725 |
| 750 | 11.9 | 54 | 6.4 | 329.0 | 2569 | 13.6 | 33 | 4.3 | 324.9 | 2576 | 14.6 | 24 | 3.4 | 323.3 | 2573 | 14.3 | 29 | 3.9 | 324.6 | 2575 | 750 |
| 775 | 13.0 | 70 | 8.5 | 333.3 | 2293 | 14.8 | 39 | 5.3 | 326.3 | 2299 | 15.8 | 32 | 4.6 | 325.3 | 2296 | 14.9 | 45 | 6.2 | 329.0 | 2297 | 775 |
| 800 | 14.1 | 84 | 10.7 | 337.7 | 2025 | 15.2 | 51 | 7.0 | 328.6 | 2030 | 16.5 | 45 | 6.7 | 329.2 | 2026 | 15.1 | 68 | 9.2 | 334.6 | 2028 | 800 |
| 825 | 15.3 | 94 | 12.5 | 341.1 | 1764 | 14.4 | 73 | 9.2 | 330.8 | 1770 | 17.1 | 59 | 8.8 | 333.0 | 1763 | 15.5 | 94 | 12.6 | 341.7 | 1767 | 825 |
| 850 | 16.7 | 92 | 13.0 | 341.2 | 1509 | 15.8 | 77 | 10.3 | 332.7 | 1516 | 18.1 | 68 | 10.5 | 335.9 | 1508 | 16.7 | 90 | 12.9 | 341.0 | 1512 | 850 |
| 875 | 18.1 | 79 | 11.9 | 337.2 | 1261 | 17.2 | 92 | 13.1 | 339.4 | 1269 | 19.7 | 68 | 11.2 | 337.1 | 1258 | 18.1 | 91 | 13.8 | 342.3 | 1263 | 875 |
| 900 | 19.5 | 80 | 12.8 | 338.6 | 1018 | 18.8 | 96 | 14.7 | 342.7 | 1026 | 21.3 | 67 | 12.0 | 338.3 | 1014 | 19.5 | 93 | 14.8 | 344.0 | 1020 | 900 |
| 925 | 21.0 | 85 | 14.6 | 342.5 | 780 | 20.3 | 97 | 15.9 | 345.3 | 789 | 22.8 | 67 | 12.7 | 339.6 | 776 | 20.9 | 93 | 15.8 | 345.7 | 783 | 925 |
| 950 | 22.4 | 91 | 16.5 | 346.6 | 548 | 22.0 | 96 | 17.1 | 347.8 | 557 | 24.3 | 67 | 13.5 | 340.9 | 542 | 22.6 | 89 | 16.5 | 347.0 | 550 | 950 |
| 975 | 23.7 | 96 | 18.5 | 351.1 | 320 | 24.3 | 88 | 17.4 | 349.0 | 330 | 25.7 | 66 | 14.3 | 342.3 | 313 | 24.4 | 86 | 17.1 | 348.2 | 322 | 975 |
| 1000 | 25.7 | 92 | 19.5 | 353.8 | 97 | 26.3 | 85 | 18.6 | 352.1 | 106 | 28.5 | 63 | 15.7 | 347.1 | 89 | 26.0 | 87 | 18.7 | 352.1 | 99 | 1000 |
| SFC. | 26.6 | 90 | 19.9 | 355.0 | 0 | 27.0 | 89 | 20.1 | 356.0 | 0 | 30.3 | 61 | 16.7 | 351.1 | 0 | 26.6 | 93 | 20.6 | 356.8 | 0 | SFC. |
| | SURFACE PRESSURE 1011.0 | | | | | SURFACE PRESSURE 1012.0 | | | | | SURFACE PRESSURE 1010.0 | | | | | SURFACE PRESSURE 1011.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/18 13 8 GMT | | | | | 3/18 1644 GMT | | | | | 3/18 1835 GMT | | | | | 3/18 21 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -67.9 | 0 | 0.0 | 458.8 | 19486 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.2 | 0 | 0.0 | 460.5 | 19609 | 60 |
| 70 | -70.6 | 15 | .0 | 433.5 | 18568 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.3 | 18 | .0 | 431.8 | 18689 | 70 |
| 80 | -73.6 | 15 | .0 | 410.9 | 17784 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.1 | 19 | .0 | 412.1 | 17905 | 80 |
| 90 | -76.0 | 15 | .0 | 392.6 | 17094 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 19 | .0 | 395.0 | 17215 | 90 |
| 100 | -78.8 | 15 | .0 | 375.5 | 16490 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 20 | .0 | 379.8 | 16606 | 100 |
| 110 | -80.5 | 15 | .0 | 362.2 | 15950 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.3 | 19 | .0 | 370.1 | 16058 | 110 |
| 120 | -78.0 | 15 | .0 | 357.9 | 15456 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.3 | 18 | .0 | 362.9 | 15555 | 120 |
| 130 | -74.6 | 15 | .0 | 355.9 | 14995 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.5 | 18 | .0 | 357.8 | 15089 | 130 |
| 140 | -71.3 | 15 | .0 | 354.3 | 14560 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.7 | 19 | .0 | 355.2 | 14653 | 140 |
| 150 | -68.1 | 15 | .0 | 352.8 | 14149 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 19 | .0 | 354.1 | 14241 | 150 |
| 160 | -65.2 | 15 | .0 | 351.3 | 13759 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.2 | 20 | .0 | 353.0 | 13849 | 160 |
| 170 | -63.2 | 15 | .0 | 348.6 | 13388 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.2 | 20 | .0 | 351.9 | 13475 | 170 |
| 180 | -60.0 | 15 | .0 | 348.1 | 13033 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.2 | 20 | .0 | 351.1 | 13118 | 180 |
| 190 | -57.0 | 15 | .0 | 347.6 | 12694 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.3 | 19 | .0 | 350.3 | 12776 | 190 |
| 200 | -54.2 | 15 | .0 | 347.0 | 12367 | -53.8 | 14 | .0 | 347.7 | 12348 | 0.0 | 0 | 0.0 | 0.0 | 0 | -52.6 | 19 | .0 | 349.5 | 12446 | 200 |
| 225 | -47.8 | 15 | .0 | 345.5 | 11600 | -47.6 | 13 | .0 | 345.7 | 11581 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.5 | 19 | .0 | 347.5 | 11675 | 225 |
| 250 | -42.2 | 14 | .1 | 343.6 | 10896 | -42.1 | 13 | .0 | 343.7 | 10877 | 0.0 | 0 | 0.0 | 0.0 | 0 | -40.9 | 18 | .1 | 345.6 | 10967 | 250 |
| 275 | -37.1 | 13 | .1 | 341.8 | 10245 | -37.1 | 12 | .1 | 341.8 | 10225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.9 | 17 | .1 | 343.8 | 10312 | 275 |
| 300 | -32.7 | 16 | .1 | 339.8 | 9637 | -32.9 | 14 | .1 | 339.5 | 9617 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.0 | 15 | .1 | 342.4 | 9701 | 300 |
| 325 | -31.5 | 69 | .6 | 335.5 | 9071 | -31.9 | 70 | .6 | 334.9 | 9052 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.9 | 16 | .2 | 339.0 | 9129 | 325 |
| 350 | -26.2 | 42 | .5 | 335.4 | 8540 | -26.9 | 48 | .6 | 334.7 | 8523 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.0 | 21 | .3 | 334.8 | 8595 | 350 |
| 375 | -21.2 | 25 | .5 | 335.3 | 8036 | -22.3 | 32 | .5 | 334.2 | 8020 | 0.0 | 0 | 0.0 | 0.0 | 0 | -21.4 | 20 | .4 | 334.7 | 8091 | 375 |
| 400 | -17.2 | 18 | .4 | 334.4 | 7556 | -19.0 | 40 | .9 | 333.4 | 7542 | 0.0 | 0 | 0.0 | 0.0 | 0 | -17.0 | 19 | .5 | 334.7 | 7611 | 400 |
| 425 | -15.2 | 28 | .8 | 332.3 | 7100 | -15.4 | 26 | .7 | 331.8 | 7087 | 0.0 | 0 | 0.0 | 0.0 | 0 | -13.1 | 18 | .6 | 334.4 | 7153 | 425 |
| 450 | -11.4 | 18 | .6 | 331.3 | 6665 | -12.1 | 18 | .6 | 330.3 | 6653 | -10.3 | 10 | .4 | 331.7 | 6696 | -9.8 | 17 | .7 | 333.5 | 6715 | 450 |
| 475 | -8.3 | 15 | .6 | 330.0 | 6248 | -9.0 | 15 | .6 | 329.1 | 6237 | -7.5 | 11 | .5 | 330.7 | 6277 | -6.7 | 16 | .8 | 332.5 | 6295 | 475 |
| 500 | -5.6 | 11 | .6 | 328.4 | 5848 | -6.0 | 12 | .6 | 327.8 | 5838 | -4.7 | 12 | .6 | 329.7 | 5876 | -3.9 | 15 | .8 | 331.4 | 5892 | 500 |
| 525 | -3.0 | 10 | .6 | 327.1 | 5463 | -3.8 | 13 | .7 | 326.5 | 5454 | -2.1 | 13 | .8 | 328.8 | 5490 | -1.6 | 14 | .9 | 329.9 | 5506 | 525 |
| 550 | -.8 | 10 | .7 | 325.6 | 5094 | -1.8 | 14 | .9 | 325.0 | 5086 | .1 | 13 | .9 | 327.3 | 5119 | .7 | 14 | 1.0 | 328.5 | 5134 | 550 |
| 575 | 1.2 | 12 | .9 | 324.5 | 4738 | .5 | 11 | .8 | 323.4 | 4731 | 2.1 | 12 | .9 | 325.7 | 4762 | 2.8 | 14 | 1.1 | 327.2 | 4776 | 575 |
| 600 | 2.8 | 26 | 2.0 | 326.2 | 4394 | 2.3 | 12 | .9 | 322.0 | 4389 | 4.0 | 12 | 1.0 | 324.2 | 4418 | 4.8 | 13 | 1.2 | 325.9 | 4430 | 600 |
| 625 | 4.4 | 17 | 1.4 | 322.3 | 4063 | 4.0 | 13 | 1.1 | 320.7 | 4058 | 5.8 | 11 | 1.0 | 322.7 | 4085 | 6.5 | 17 | 1.6 | 325.4 | 4097 | 625 |
| 650 | 6.4 | 13 | 1.2 | 320.3 | 3743 | 5.7 | 14 | 1.2 | 319.6 | 3739 | 7.0 | 18 | 1.7 | 322.7 | 3764 | 7.8 | 23 | 2.4 | 325.7 | 3774 | 650 |
| 675 | 8.2 | 11 | 1.1 | 318.6 | 3433 | 8.2 | 12 | 1.2 | 318.9 | 3429 | 9.5 | 16 | 1.7 | 322.0 | 3452 | 9.6 | 23 | 2.5 | 324.7 | 3463 | 675 |
| 700 | 10.2 | 15 | 1.7 | 319.5 | 3132 | 10.3 | 12 | 1.4 | 318.5 | 3128 | 11.5 | 15 | 1.9 | 321.6 | 3150 | 11.4 | 20 | 2.4 | 323.2 | 3160 | 700 |
| 725 | 11.8 | 40 | 4.8 | 327.4 | 2839 | 12.0 | 14 | 1.7 | 318.3 | 2835 | 12.5 | 21 | 2.6 | 321.8 | 2856 | 13.2 | 18 | 2.3 | 321.6 | 2866 | 725 |
| 750 | 12.2 | 74 | 8.8 | 336.3 | 2555 | 12.8 | 30 | 3.7 | 322.1 | 2551 | 13.9 | 21 | 2.7 | 320.6 | 2571 | 13.4 | 20 | 2.6 | 319.7 | 2581 | 750 |
| 775 | 13.9 | 72 | 9.3 | 336.7 | 2278 | 13.1 | 44 | 5.4 | 324.5 | 2276 | 15.5 | 26 | 3.7 | 322.4 | 2295 | 14.9 | 24 | 3.3 | 320.3 | 2305 | 775 |
| 800 | 15.2 | 82 | 11.2 | 340.5 | 2009 | 13.7 | 99 | 12.2 | 341.3 | 2008 | 15.3 | 53 | 7.3 | 329.4 | 2026 | 16.5 | 27 | 4.0 | 321.4 | 2036 | 800 |
| 825 | 17.1 | 86 | 12.9 | 344.6 | 1747 | 14.8 | 99 | 12.8 | 341.5 | 1747 | 16.7 | 37 | 5.3 | 322.5 | 1764 | 17.5 | 42 | 6.5 | 326.9 | 1773 | 825 |
| 850 | 17.1 | 99 | 14.4 | 345.6 | 1491 | 15.8 | 99 | 13.3 | 340.9 | 1493 | 17.4 | 59 | 8.7 | 330.2 | 1509 | 18.2 | 62 | 9.7 | 333.9 | 1518 | 850 |
| 875 | 18.8 | 92 | 14.5 | 345.1 | 1242 | 17.1 | 96 | 13.5 | 340.2 | 1245 | 18.7 | 64 | 9.9 | 332.4 | 1261 | 19.2 | 75 | 12.1 | 339.0 | 1268 | 875 |
| 900 | 19.6 | 67 | 10.8 | 332.9 | 998 | 19.0 | 84 | 13.0 | 338.4 | 1003 | 20.0 | 68 | 11.2 | 334.7 | 1018 | 20.5 | 80 | 13.7 | 342.3 | 1025 | 900 |
| 925 | 20.3 | 53 | 8.5 | 325.1 | 762 | 21.0 | 72 | 12.3 | 336.0 | 766 | 21.2 | 73 | 12.6 | 337.2 | 780 | 21.8 | 86 | 15.5 | 345.9 | 786 | 925 |
| 950 | 22.0 | 67 | 11.8 | 333.4 | 531 | 21.6 | 81 | 14.0 | 338.9 | 534 | 22.4 | 77 | 14.0 | 339.8 | 548 | 23.1 | 91 | 17.2 | 349.6 | 553 | 950 |
| 975 | 23.6 | 81 | 15.4 | 342.6 | 304 | 23.5 | 85 | 16.1 | 344.4 | 307 | 24.5 | 73 | 14.8 | 342.0 | 321 | 25.2 | 89 | 18.7 | 353.6 | 325 | 975 |
| 1000 | 25.1 | 95 | 19.4 | 352.8 | 81 | 25.3 | 90 | 18.5 | 350.6 | 84 | 26.6 | 75 | 16.6 | 347.0 | 97 | 27.2 | 87 | 20.1 | 357.6 | 100 | 1000 |
| SFC. | 25.0 | 98 | 19.7 | 352.5 | 0 | 25.2 | 98 | 20.0 | 353.4 | 0 | 27.5 | 80 | 18.6 | 352.6 | 0 | 28.1 | 86 | 20.8 | 359.4 | 0 | SFC. |
| | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1009.6 | | | | | SURFACE PRESSURE 1011.0 | | | | | SURFACE PRESSURE 1011.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/18 2340 GMT | | | | | 3/19 240 GMT | | | | | 3/19 6 5 GMT | | | | | 3/19 9 5 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -63.1 | 0 | 0.0 | 469.6 | 19679 | -62.3 | 0 | 0.0 | 471.5 | 19545 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 0 | 0.0 | 460.1 | 19515 | 60 |
| 70 | -68.3 | 0 | 0.0 | 438.4 | 18748 | -70.7 | 17 | .0 | 433.2 | 18616 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.8 | 19 | .0 | 430.8 | 18594 | 70 |
| 80 | -74.6 | 15 | .0 | 408.9 | 17953 | -73.4 | 18 | .0 | 411.4 | 17830 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.5 | 19 | .0 | 403.0 | 17818 | 80 |
| 90 | -74.7 | 15 | .0 | 395.2 | 17267 | -74.3 | 18 | .0 | 395.9 | 17143 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 19 | .0 | 391.5 | 17144 | 90 |
| 100 | -76.3 | 16 | .0 | 380.3 | 16657 | -77.7 | 18 | .0 | 377.6 | 16536 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.8 | 19 | .0 | 375.5 | 16539 | 100 |
| 110 | -76.9 | 16 | .0 | 369.0 | 16112 | -77.4 | 19 | .0 | 368.1 | 15990 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.5 | 18 | .0 | 366.0 | 15996 | 110 |
| 120 | -74.8 | 15 | .0 | 363.8 | 15609 | -76.1 | 19 | .0 | 361.4 | 15490 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 18 | .0 | 360.5 | 15499 | 120 |
| 130 | -72.6 | 15 | .0 | 359.4 | 15141 | -73.4 | 18 | .0 | 358.1 | 15025 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.4 | 18 | .0 | 358.1 | 15034 | 130 |
| 140 | -69.8 | 15 | .0 | 356.8 | 14704 | -70.9 | 18 | .0 | 354.9 | 14589 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 18 | .0 | 355.8 | 14597 | 140 |
| 150 | -66.7 | 15 | .0 | 355.2 | 14290 | -68.1 | 18 | .0 | 352.8 | 14178 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.6 | 18 | .0 | 353.7 | 14185 | 150 |
| 160 | -63.8 | 15 | .0 | 353.7 | 13897 | -65.3 | 18 | .0 | 351.2 | 13787 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 18 | .0 | 351.9 | 13794 | 160 |
| 170 | -61.0 | 15 | .0 | 352.2 | 13522 | -62.6 | 17 | .0 | 349.6 | 13416 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.3 | 18 | .0 | 350.1 | 13422 | 170 |
| 180 | -57.9 | 15 | .0 | 351.5 | 13165 | -60.1 | 17 | .0 | 348.0 | 13061 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.7 | 18 | .0 | 348.6 | 13066 | 180 |
| 190 | -54.9 | 14 | .0 | 351.1 | 12822 | -57.3 | 17 | .0 | 347.2 | 12722 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.9 | 18 | .0 | 347.9 | 12726 | 190 |
| 200 | -52.0 | 14 | .0 | 350.6 | 12492 | -54.4 | 17 | .0 | 346.8 | 12395 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.1 | 17 | .0 | 347.1 | 12399 | 200 |
| 225 | -45.4 | 14 | .0 | 349.1 | 11717 | -47.7 | 16 | .0 | 345.7 | 11629 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.9 | 16 | .0 | 345.2 | 11633 | 225 |
| 250 | -39.6 | 13 | .1 | 347.6 | 11006 | -41.7 | 16 | .1 | 344.4 | 10924 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.0 | 16 | .1 | 343.9 | 10929 | 250 |
| 275 | -34.3 | 13 | .1 | 346.0 | 10346 | -36.2 | 15 | .1 | 343.2 | 10270 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.5 | 15 | .1 | 342.7 | 10276 | 275 |
| 300 | -29.6 | 13 | .1 | 344.2 | 9731 | -32.2 | 16 | .1 | 340.6 | 9661 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.2 | 16 | .1 | 340.5 | 9668 | 300 |
| 325 | -26.6 | 15 | .2 | 340.8 | 9157 | -28.2 | 15 | .2 | 338.5 | 9092 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.4 | 17 | .2 | 338.3 | 9099 | 325 |
| 350 | -23.9 | 16 | .3 | 337.6 | 8619 | -23.7 | 13 | .2 | 337.7 | 8555 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.8 | 15 | .2 | 337.7 | 8562 | 350 |
| 375 | -20.2 | 17 | .3 | 336.2 | 8112 | -19.9 | 12 | .3 | 336.4 | 8047 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.8 | 19 | .4 | 337.0 | 8054 | 375 |
| 400 | -15.6 | 17 | .5 | 336.6 | 7629 | -16.7 | 13 | .3 | 334.6 | 7565 | -19.3 | 45 | .9 | 333.3 | 7514 | -16.9 | 39 | 1.0 | 336.7 | 7572 | 400 |
| 425 | -11.9 | 16 | .6 | 335.9 | 7169 | -13.7 | 13 | .4 | 333.0 | 7107 | -16.3 | 15 | .4 | 329.5 | 7061 | -14.3 | 30 | .9 | 333.9 | 7115 | 425 |
| 450 | -8.4 | 15 | .7 | 335.2 | 6728 | -10.8 | 14 | .5 | 331.5 | 6670 | -13.2 | 14 | .4 | 328.3 | 6628 | -11.3 | 27 | 1.0 | 332.6 | 6679 | 450 |
| 475 | -5.6 | 15 | .8 | 333.9 | 6306 | -8.2 | 22 | .9 | 331.2 | 6252 | -10.2 | 13 | .5 | 327.2 | 6214 | -8.4 | 45 | 1.9 | 334.2 | 6262 | 475 |
| 500 | -3.0 | 15 | .9 | 332.8 | 5903 | -6.0 | 40 | 1.9 | 332.5 | 5852 | -8.0 | 38 | 1.6 | 328.8 | 5817 | -6.0 | 67 | 3.3 | 336.8 | 5861 | 500 |
| 525 | -.1 | 15 | 1.1 | 332.3 | 5514 | -2.6 | 31 | 1.9 | 331.8 | 5468 | -5.7 | 81 | 3.9 | 334.4 | 5436 | -3.8 | 75 | 4.1 | 337.5 | 5477 | 525 |
| 550 | 2.4 | 14 | 1.2 | 331.1 | 5140 | -.1 | 39 | 2.7 | 333.1 | 5097 | -3.8 | 98 | 5.1 | 335.9 | 5069 | -2.1 | 92 | 5.5 | 339.4 | 5108 | 550 |
| 575 | 4.6 | 14 | 1.2 | 329.8 | 4780 | 1.8 | 57 | 4.3 | 336.1 | 4739 | -1.4 | 99 | 6.0 | 337.1 | 4716 | .0 | 93 | 6.2 | 339.8 | 4753 | 575 |
| 600 | 6.7 | 13 | 1.3 | 328.5 | 4432 | 4.3 | 20 | 1.7 | 327.0 | 4395 | 1.0 | 52 | 3.5 | 328.8 | 4375 | 2.1 | 93 | 7.0 | 340.4 | 4409 | 600 |
| 625 | 8.7 | 12 | 1.4 | 327.2 | 4096 | 5.3 | 45 | 4.0 | 331.6 | 4062 | 1.2 | 65 | 4.3 | 327.4 | 4046 | 4.4 | 86 | 7.2 | 340.1 | 4078 | 625 |
| 650 | 9.0 | 25 | 2.7 | 328.2 | 3772 | 7.4 | 36 | 3.5 | 328.9 | 3740 | 3.1 | 94 | 7.0 | 333.8 | 3729 | 5.5 | 86 | 7.5 | 338.5 | 3757 | 650 |
| 675 | 10.5 | 19 | 2.3 | 325.0 | 3459 | 9.2 | 33 | 3.5 | 327.3 | 3428 | 4.7 | 99 | 7.9 | 334.7 | 3421 | 7.3 | 63 | 6.0 | 332.4 | 3446 | 675 |
| 700 | 13.0 | 21 | 2.9 | 326.4 | 3154 | 10.0 | 58 | 6.4 | 333.5 | 3126 | 6.7 | 99 | 8.8 | 336.2 | 3123 | 9.2 | 52 | 5.4 | 329.6 | 3146 | 700 |
| 725 | 14.2 | 22 | 3.0 | 325.0 | 2859 | 10.6 | 62 | 6.9 | 332.1 | 2834 | 8.7 | 92 | 9.0 | 336.0 | 2833 | 11.3 | 56 | 6.5 | 331.8 | 2854 | 725 |
| 750 | 15.2 | 26 | 3.7 | 325.0 | 2573 | 12.4 | 82 | 9.9 | 339.8 | 2550 | 10.8 | 80 | 8.7 | 334.3 | 2550 | 13.3 | 60 | 7.6 | 334.3 | 2569 | 750 |
| 775 | 16.1 | 30 | 4.4 | 325.1 | 2295 | 13.6 | 84 | 10.7 | 340.2 | 2273 | 12.7 | 69 | 8.2 | 332.0 | 2275 | 15.2 | 64 | 8.9 | 337.1 | 2292 | 775 |
| 800 | 17.1 | 38 | 5.8 | 327.5 | 2024 | 14.7 | 85 | 11.2 | 339.9 | 2004 | 14.5 | 64 | 8.4 | 331.7 | 2007 | 15.6 | 72 | 10.1 | 337.9 | 2022 | 800 |
| 825 | 18.2 | 48 | 7.7 | 331.2 | 1761 | 16.0 | 82 | 11.5 | 339.3 | 1743 | 15.3 | 80 | 10.7 | 336.3 | 1746 | 16.4 | 80 | 11.4 | 339.5 | 1759 | 825 |
| 850 | 19.2 | 58 | 9.6 | 335.0 | 1505 | 17.8 | 75 | 11.4 | 338.1 | 1487 | 15.4 | 98 | 12.8 | 339.0 | 1492 | 17.3 | 86 | 12.7 | 341.3 | 1504 | 850 |
| 875 | 20.2 | 68 | 11.6 | 339.0 | 1254 | 19.1 | 77 | 12.3 | 339.3 | 1238 | 16.9 | 92 | 12.9 | 338.3 | 1245 | 18.2 | 92 | 14.1 | 343.3 | 1255 | 875 |
| 900 | 21.8 | 70 | 13.0 | 342.0 | 1010 | 20.3 | 79 | 13.3 | 340.9 | 995 | 18.3 | 87 | 13.0 | 337.5 | 1003 | 19.1 | 99 | 15.5 | 345.3 | 1012 | 900 |
| 925 | 23.7 | 69 | 14.0 | 344.4 | 771 | 21.4 | 82 | 14.4 | 342.6 | 757 | 19.7 | 83 | 13.0 | 336.5 | 767 | 20.5 | 97 | 16.2 | 346.1 | 775 | 925 |
| 950 | 25.6 | 68 | 15.1 | 346.9 | 536 | 22.6 | 85 | 15.6 | 344.4 | 524 | 21.1 | 78 | 13.1 | 335.7 | 536 | 21.8 | 95 | 16.8 | 346.8 | 543 | 950 |
| 975 | 27.4 | 68 | 16.1 | 349.5 | 306 | 24.0 | 81 | 15.8 | 344.1 | 297 | 22.5 | 85 | 15.2 | 340.6 | 309 | 23.2 | 94 | 17.4 | 347.5 | 316 | 975 |
| 1000 | 28.7 | 78 | 19.6 | 358.2 | 80 | 24.7 | 86 | 17.1 | 345.9 | 74 | 23.9 | 92 | 17.5 | 345.9 | 88 | 24.5 | 92 | 18.0 | 348.1 | 93 | 1000 |
| SFC. | 28.9 | 88 | 22.4 | 365.2 | 0 | 24.4 | 96 | 18.6 | 348.9 | 0 | 24.4 | 95 | 18.4 | 348.1 | 0 | 25.0 | 91 | 18.3 | 348.4 | 0 | SFC. |
| | SURFACE PRESSURE 1009.0 | | | | | SURFACE PRESSURE 1008.4 | | | | | SURFACE PRESSURE 1010.0 | | | | | SURFACE PRESSURE 1010.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/19 1115 GMT T | RH | W | EPT | H | 3/19 1820 GMT T | RH | W | EPT | H | 3/20 0 7 GMT T | RH | W | EPT | H | 3/20 545 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.8 | 0 | 0.0 | 459.1 | 19498 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.3 | 0 | 0.0 | 460.3 | 19513 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -68.6 | 17 | .0 | 437.6 | 18574 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.9 | 0 | 0.0 | 432.8 | 18589 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -74.5 | 18 | .0 | 409.0 | 17781 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.9 | 0 | 0.0 | 422.7 | 17792 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -77.7 | 18 | .0 | 389.2 | 17105 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.4 | 17 | .0 | 385.7 | 17105 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -76.9 | 19 | .0 | 379.2 | 16501 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.4 | 17 | .0 | 378.2 | 16506 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -75.9 | 18 | .0 | 370.8 | 15952 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.4 | 18 | .0 | 368.0 | 15959 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -75.7 | 17 | .0 | 362.2 | 15449 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.8 | 18 | .0 | 362.0 | 15458 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -74.5 | 17 | .0 | 356.1 | 14985 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.5 | 18 | .0 | 357.8 | 14994 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -71.1 | 17 | .0 | 354.5 | 14551 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.9 | 17 | .0 | 356.7 | 14557 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.1 | 17 | .0 | 352.9 | 14139 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.8 | 17 | .0 | 353.3 | 14143 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.2 | 17 | .0 | 351.3 | 13749 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.3 | 17 | .0 | 351.1 | 13753 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.5 | 16 | .0 | 349.8 | 13377 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.7 | 17 | .0 | 349.3 | 13382 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.9 | 16 | .0 | 348.3 | 13023 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.0 | 17 | .0 | 348.2 | 13027 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -57.5 | 16 | .0 | 346.8 | 12683 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.4 | 17 | .0 | 347.1 | 12687 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -55.2 | 16 | .0 | 345.4 | 12357 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.9 | 16 | .0 | 345.9 | 12361 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -49.3 | 16 | .0 | 343.1 | 11596 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.8 | 16 | .0 | 343.9 | 11599 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -43.8 | 15 | .0 | 341.2 | 10897 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.8 | 16 | .1 | 342.7 | 10897 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -38.2 | 15 | .1 | 340.2 | 10248 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.4 | 15 | .1 | 341.4 | 10247 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -33.1 | 14 | .1 | 339.2 | 9643 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.5 | 15 | .1 | 340.1 | 9640 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -28.4 | 14 | .2 | 338.2 | 9075 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.2 | 15 | .2 | 338.5 | 9070 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -24.9 | 15 | .2 | 336.0 | 8541 | -22.8 | 11 | .2 | 338.8 | 8584 | -24.2 | 14 | .2 | 337.0 | 8534 | -25.4 | 16 | .2 | 335.4 | 8543 | 350 |
| 375 | -20.3 | 13 | .3 | 335.8 | 8035 | -19.9 | 13 | .3 | 336.3 | 8075 | -20.6 | 14 | .3 | 335.5 | 8028 | -21.5 | 17 | .3 | 334.3 | 8038 | 375 |
| 400 | -17.3 | 13 | .3 | 333.8 | 7554 | -16.2 | 13 | .4 | 335.3 | 7593 | -17.1 | 14 | .3 | 334.1 | 7547 | -17.9 | 18 | .4 | 333.3 | 7559 | 400 |
| 425 | -14.7 | 40 | 1.2 | 334.2 | 7097 | -13.2 | 16 | .5 | 333.9 | 7134 | -13.9 | 14 | .4 | 332.8 | 7089 | -14.7 | 18 | .5 | 332.1 | 7103 | 425 |
| 450 | -11.6 | 26 | .9 | 332.0 | 6662 | -10.4 | 18 | .7 | 332.7 | 6696 | -10.9 | 14 | .5 | 331.5 | 6653 | -11.6 | 18 | .6 | 330.9 | 6668 | 450 |
| 475 | -8.2 | 20 | .9 | 331.0 | 6245 | -7.8 | 21 | .9 | 331.7 | 6278 | -8.0 | 14 | .6 | 330.4 | 6235 | -8.8 | 18 | .7 | 329.9 | 6251 | 475 |
| 500 | -5.8 | 34 | 1.7 | 331.8 | 5844 | -4.6 | 22 | 1.2 | 331.7 | 5877 | -5.6 | 20 | 1.0 | 329.8 | 5835 | -5.9 | 30 | 1.5 | 331.0 | 5852 | 500 |
| 525 | -5.2 | 86 | 4.3 | 336.1 | 5461 | -1.4 | 23 | 1.5 | 332.1 | 5490 | -3.6 | 29 | 1.6 | 329.9 | 5451 | -3.4 | 44 | 2.5 | 332.8 | 5468 | 525 |
| 550 | -2.6 | 87 | 5.0 | 337.2 | 5094 | .6 | 32 | 2.3 | 332.8 | 5118 | -1.5 | 37 | 2.3 | 330.0 | 5082 | -1.7 | 50 | 3.1 | 332.4 | 5099 | 550 |
| 575 | .1 | 77 | 5.2 | 336.8 | 4739 | 2.3 | 42 | 3.3 | 333.7 | 4760 | .7 | 37 | 2.6 | 329.4 | 4726 | 1.1 | 47 | 3.4 | 332.4 | 4743 | 575 |
| 600 | 1.0 | 95 | 6.6 | 337.8 | 4396 | 3.9 | 52 | 4.4 | 334.9 | 4415 | 2.9 | 36 | 2.8 | 328.9 | 4383 | 3.1 | 55 | 4.4 | 334.0 | 4399 | 600 |
| 625 | 2.9 | 96 | 7.3 | 338.5 | 4066 | 6.3 | 49 | 4.7 | 335.0 | 4081 | 4.9 | 36 | 3.1 | 328.4 | 4051 | 5.2 | 49 | 4.4 | 332.5 | 4066 | 625 |
| 650 | 5.5 | 81 | 7.1 | 337.2 | 3746 | 8.7 | 44 | 4.8 | 334.2 | 3758 | 7.1 | 30 | 2.9 | 326.7 | 3730 | 7.3 | 43 | 4.2 | 330.9 | 3745 | 650 |
| 675 | 8.0 | 66 | 6.6 | 335.2 | 3435 | 10.4 | 35 | 4.1 | 330.6 | 3445 | 9.2 | 20 | 2.2 | 323.2 | 3418 | 9.0 | 39 | 4.1 | 329.0 | 3433 | 675 |
| 700 | 9.1 | 70 | 7.3 | 334.9 | 3134 | 12.0 | 27 | 3.3 | 326.7 | 3141 | 10.4 | 27 | 3.0 | 323.8 | 3116 | 10.0 | 39 | 4.3 | 327.1 | 3131 | 700 |
| 725 | 11.4 | 50 | 5.8 | 330.0 | 2841 | 13.6 | 18 | 2.5 | 322.6 | 2847 | 11.5 | 34 | 3.9 | 324.6 | 2824 | 11.0 | 47 | 5.4 | 328.3 | 2839 | 725 |
| 750 | 13.3 | 44 | 5.6 | 328.5 | 2557 | 14.3 | 27 | 3.6 | 323.8 | 2561 | 13.0 | 25 | 3.1 | 320.5 | 2540 | 13.0 | 54 | 6.8 | 331.5 | 2555 | 750 |
| 775 | 14.2 | 58 | 7.6 | 332.1 | 2280 | 15.0 | 35 | 4.9 | 325.1 | 2284 | 14.5 | 25 | 3.3 | 319.7 | 2264 | 14.8 | 33 | 4.6 | 324.1 | 2278 | 775 |
| 800 | 14.7 | 65 | 8.6 | 332.6 | 2012 | 15.6 | 44 | 6.1 | 326.4 | 2015 | 15.8 | 36 | 5.0 | 323.4 | 1995 | 15.4 | 60 | 8.2 | 332.3 | 2009 | 800 |
| 825 | 15.7 | 67 | 9.2 | 332.3 | 1750 | 16.2 | 62 | 8.7 | 331.5 | 1754 | 16.4 | 58 | 8.2 | 330.6 | 1733 | 15.9 | 79 | 10.9 | 337.5 | 1747 | 825 |
| 850 | 16.8 | 87 | 12.4 | 339.7 | 1496 | 17.2 | 69 | 10.0 | 333.8 | 1499 | 17.5 | 61 | 9.0 | 331.3 | 1478 | 17.0 | 88 | 12.6 | 340.6 | 1492 | 850 |
| 875 | 18.4 | 75 | 11.6 | 336.6 | 1247 | 18.7 | 60 | 9.3 | 330.5 | 1250 | 18.6 | 64 | 9.9 | 332.0 | 1230 | 18.6 | 87 | 13.5 | 342.2 | 1243 | 875 |
| 900 | 19.4 | 79 | 12.5 | 337.4 | 1004 | 20.1 | 63 | 10.4 | 332.6 | 1007 | 19.6 | 67 | 10.7 | 332.9 | 987 | 20.2 | 86 | 14.4 | 343.8 | 1000 | 900 |
| 925 | 20.4 | 86 | 14.2 | 340.5 | 767 | 21.3 | 72 | 12.5 | 337.2 | 770 | 20.7 | 69 | 11.6 | 333.8 | 750 | 21.7 | 86 | 15.4 | 345.5 | 762 | 925 |
| 950 | 21.7 | 96 | 16.7 | 346.5 | 536 | 22.6 | 80 | 14.7 | 342.1 | 538 | 21.7 | 72 | 12.5 | 335.1 | 519 | 23.2 | 85 | 16.3 | 347.2 | 529 | 950 |
| 975 | 23.4 | 95 | 17.9 | 349.2 | 308 | 24.9 | 77 | 16.0 | 345.9 | 310 | 24.9 | 76 | 15.6 | 344.7 | 291 | 24.7 | 85 | 17.2 | 349.0 | 300 | 975 |
| 1000 | 25.0 | 94 | 19.1 | 351.9 | 85 | 26.6 | 84 | 18.6 | 352.6 | 86 | 28.0 | 79 | 19.1 | 355.9 | 67 | 26.1 | 84 | 18.2 | 350.8 | 77 | 1000 |
| SFC. | 25.6 | 94 | 19.6 | 352.9 | 0 | 26.7 | 92 | 20.5 | 356.9 | 0 | 28.9 | 80 | 20.3 | 359.6 | 0 | 25.3 | 90 | 18.4 | 349.5 | 0 | SFC. |
| | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1008.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/20 1138 GMT | | | | | 3/20 1530 GMT | | | | | 3/20 19 0 GMT | | | | | 3/20 2055 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.1 | 0 | 0.0 | 465.1 | 19466 | -65.2 | 0 | 0.0 | 465.0 | 19432 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 0 | 0.0 | 465.9 | 19571 | 60 |
| 70 | -69.6 | 35 | .0 | 435.5 | 18535 | -72.0 | 0 | 0.0 | 430.4 | 18506 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.1 | 0 | 0.0 | 438.7 | 18634 | 70 |
| 80 | -73.6 | 35 | .0 | 411.0 | 17747 | -73.5 | 0 | 0.0 | 411.2 | 17723 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.1 | 18 | .0 | 414.0 | 17842 | 80 |
| 90 | -77.0 | 35 | .0 | 390.6 | 17065 | -76.1 | 0 | 0.0 | 392.3 | 17037 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.6 | 18 | .0 | 395.4 | 17153 | 90 |
| 100 | -78.8 | 35 | .0 | 375.5 | 16463 | -80.4 | 0 | 0.0 | 372.4 | 16436 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 18 | .0 | 379.4 | 16544 | 100 |
| 110 | -77.4 | 35 | .0 | 368.1 | 15920 | -78.7 | 0 | 0.0 | 365.6 | 15895 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.2 | 17 | .0 | 370.3 | 15995 | 110 |
| 120 | -74.9 | 35 | .0 | 363.5 | 15418 | -76.7 | 0 | 0.0 | 360.3 | 15398 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 17 | .0 | 363.7 | 15492 | 120 |
| 130 | -72.7 | 35 | .0 | 359.3 | 14950 | -73.2 | 0 | 0.0 | 358.4 | 14933 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.8 | 17 | .0 | 360.9 | 15023 | 130 |
| 140 | -70.6 | 35 | .0 | 355.5 | 14513 | -70.1 | 0 | 0.0 | 356.2 | 14496 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.0 | 18 | .0 | 358.2 | 14583 | 140 |
| 150 | -68.7 | 35 | .0 | 351.9 | 14102 | -67.4 | 0 | 0.0 | 354.1 | 14083 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 18 | .0 | 355.7 | 14168 | 150 |
| 160 | -66.6 | 35 | .0 | 348.9 | 13713 | -64.8 | 0 | 0.0 | 352.0 | 13691 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.4 | 18 | .0 | 354.4 | 13775 | 160 |
| 170 | -63.7 | 36 | .0 | 347.8 | 13344 | -63.1 | 0 | 0.0 | 348.8 | 13319 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.5 | 19 | .0 | 353.0 | 13400 | 170 |
| 180 | -60.9 | 37 | .0 | 346.7 | 12991 | -61.3 | 0 | 0.0 | 346.0 | 12967 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.8 | 19 | .0 | 351.7 | 13042 | 180 |
| 190 | -58.3 | 38 | .0 | 345.6 | 12653 | -58.9 | 0 | 0.0 | 344.5 | 12629 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.7 | 19 | .0 | 346.5 | 12700 | 190 |
| 200 | -55.7 | 39 | .0 | 344.7 | 12329 | -56.6 | 0 | 0.0 | 343.1 | 12306 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.6 | 19 | .0 | 344.8 | 12375 | 200 |
| 225 | -48.8 | 42 | .1 | 344.1 | 11567 | -50.9 | 0 | 0.0 | 340.5 | 11550 | 0.0 | 0 | 0.0 | 0.0 | 0 | -49.4 | 19 | .0 | 343.0 | 11614 | 225 |
| 250 | -43.2 | 28 | .1 | 342.3 | 10865 | -44.5 | 0 | 0.0 | 339.9 | 10854 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.5 | 19 | .1 | 341.6 | 10915 | 250 |
| 275 | -38.1 | 18 | .1 | 340.4 | 10217 | -38.8 | M | M | M | 10208 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.5 | 19 | .1 | 341.4 | 10266 | 275 |
| 300 | -33.1 | 30 | .2 | 339.7 | 9611 | -33.5 | M | M | M | 9604 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.6 | 20 | .2 | 340.1 | 9659 | 300 |
| 325 | -29.9 | 90 | .9 | 338.8 | 9045 | -28.7 | M | M | M | 9037 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.3 | 23 | .3 | 338.7 | 9090 | 325 |
| 350 | -25.4 | 35 | .5 | 336.3 | 8512 | -25.3 | M | M | M | 8502 | -24.4 | 40 | .6 | 338.2 | 8572 | -25.5 | 36 | .5 | 336.3 | 8556 | 350 |
| 375 | -21.6 | 10 | .2 | 333.8 | 8008 | -21.4 | M | M | M | 7998 | -20.5 | 30 | .6 | 336.8 | 8065 | -21.6 | 33 | .6 | 335.3 | 8051 | 375 |
| 400 | -18.6 | 10 | .2 | 331.7 | 7529 | -17.7 | M | M | M | 7518 | -16.8 | 21 | .5 | 335.2 | 7584 | -17.5 | 16 | .4 | 333.7 | 7572 | 400 |
| 425 | -15.6 | 10 | .3 | 330.0 | 7075 | -15.8 | M | M | M | 7063 | -13.5 | 10 | .3 | 332.8 | 7126 | -13.6 | 11 | .3 | 332.8 | 7114 | 425 |
| 450 | -12.2 | 10 | .3 | 329.2 | 6641 | -12.3 | M | M | M | 6629 | -11.1 | 10 | .4 | 330.7 | 6689 | -11.4 | 13 | .5 | 330.7 | 6678 | 450 |
| 475 | -9.0 | 10 | .4 | 328.3 | 6225 | -9.0 | M | M | M | 6214 | -7.9 | 10 | .4 | 329.9 | 6272 | -8.3 | 14 | .6 | 329.9 | 6261 | 475 |
| 500 | -6.3 | 15 | .7 | 328.0 | 5826 | -7.1 | M | M | M | 5815 | -4.7 | 10 | .5 | 329.3 | 5871 | -5.0 | 13 | .7 | 329.5 | 5860 | 500 |
| 525 | -4.8 | 34 | 1.7 | 328.6 | 5443 | -5.9 | M | M | M | 5434 | -1.4 | 10 | .7 | 329.2 | 5485 | -1.9 | 12 | .8 | 329.1 | 5475 | 525 |
| 550 | -3.2 | 58 | 3.2 | 330.9 | 5076 | -3.2 | M | M | M | 5068 | .1 | 16 | 1.1 | 328.2 | 5113 | -.2 | 15 | 1.0 | 327.5 | 5103 | 550 |
| 575 | -1.0 | 59 | 3.7 | 330.8 | 4722 | -.6 | M | M | M | 4715 | 1.0 | 24 | 1.7 | 326.9 | 4756 | 1.0 | 17 | 1.2 | 325.4 | 4747 | 575 |
| 600 | 1.7 | 42 | 3.0 | 327.9 | 4381 | 1.8 | M | M | M | 4374 | 3.4 | 12 | 1.0 | 323.4 | 4413 | 3.1 | 16 | 1.3 | 324.0 | 4404 | 600 |
| 625 | 4.0 | 32 | 2.6 | 325.6 | 4050 | 3.8 | M | M | M | 4044 | 5.7 | 15 | 1.4 | 323.9 | 4081 | 5.1 | 14 | 1.3 | 322.6 | 4072 | 625 |
| 650 | 5.8 | 29 | 2.6 | 324.1 | 3730 | 5.4 | M | M | M | 3725 | 6.9 | 55 | 5.2 | 333.4 | 3759 | 7.0 | 13 | 1.3 | 321.2 | 3752 | 650 |
| 675 | 7.6 | 27 | 2.6 | 322.6 | 3421 | 6.9 | M | M | M | 3416 | 8.6 | 54 | 5.6 | 333.0 | 3448 | 8.8 | 14 | 1.5 | 320.5 | 3441 | 675 |
| 700 | 9.2 | 24 | 2.5 | 321.0 | 3120 | 8.3 | M | M | M | 3117 | 10.1 | 56 | 6.2 | 333.1 | 3146 | 10.0 | 24 | 2.7 | 322.3 | 3139 | 700 |
| 725 | 10.1 | 52 | 5.6 | 327.9 | 2829 | 8.8 | 52 | 5.1 | 324.8 | 2827 | 11.6 | 59 | 7.0 | 333.9 | 2853 | 11.2 | 34 | 3.9 | 324.3 | 2847 | 725 |
| 750 | 12.1 | 62 | 7.3 | 332.1 | 2545 | 11.0 | 77 | 8.5 | 334.0 | 2545 | 13.1 | 58 | 7.4 | 333.5 | 2568 | 12.4 | 44 | 5.3 | 326.5 | 2563 | 750 |
| 775 | 14.1 | 32 | 4.2 | 322.0 | 2269 | 11.5 | 92 | 10.2 | 336.4 | 2270 | 13.6 | 75 | 9.5 | 336.8 | 2291 | 13.6 | 53 | 6.7 | 328.8 | 2287 | 775 |
| 800 | 14.5 | 54 | 7.0 | 327.9 | 2001 | 13.2 | 96 | 11.5 | 338.8 | 2004 | 14.3 | 77 | 9.9 | 335.7 | 2023 | 14.7 | 62 | 8.1 | 331.2 | 2019 | 800 |
| 825 | 14.5 | 80 | 10.1 | 333.5 | 1741 | 14.8 | 99 | 12.8 | 341.5 | 1743 | 15.5 | 82 | 11.2 | 337.7 | 1762 | 15.9 | 65 | 9.0 | 332.1 | 1758 | 825 |
| 850 | 15.4 | 89 | 11.6 | 335.7 | 1487 | 16.1 | 99 | 13.6 | 342.2 | 1489 | 17.1 | 89 | 13.0 | 341.8 | 1507 | 17.2 | 67 | 9.8 | 332.9 | 1503 | 850 |
| 875 | 16.3 | 96 | 13.0 | 337.8 | 1240 | 17.4 | 99 | 14.3 | 342.9 | 1240 | 18.6 | 92 | 14.4 | 344.6 | 1258 | 18.4 | 69 | 10.6 | 333.8 | 1254 | 875 |
| 900 | 18.1 | 94 | 13.8 | 339.4 | 998 | 18.7 | 99 | 15.1 | 343.6 | 998 | 20.0 | 92 | 15.2 | 345.8 | 1014 | 19.6 | 71 | 11.4 | 334.8 | 1012 | 900 |
| 925 | 19.9 | 91 | 14.5 | 340.9 | 762 | 19.9 | 99 | 15.8 | 344.4 | 761 | 21.4 | 92 | 16.1 | 347.2 | 776 | 20.8 | 73 | 12.3 | 335.9 | 775 | 925 |
| 950 | 21.6 | 88 | 15.2 | 342.3 | 530 | 21.0 | 99 | 16.6 | 345.2 | 530 | 22.7 | 92 | 17.0 | 348.6 | 543 | 21.9 | 75 | 13.2 | 337.0 | 543 | 950 |
| 975 | 23.3 | 85 | 15.9 | 343.7 | 303 | 22.2 | 99 | 17.3 | 346.0 | 303 | 23.9 | 92 | 18.0 | 350.0 | 316 | 23.9 | 69 | 13.3 | 337.2 | 316 | 975 |
| 1000 | 25.0 | 82 | 16.6 | 345.0 | 81 | 23.3 | 99 | 18.1 | 346.9 | 81 | 25.2 | 92 | 18.9 | 351.5 | 92 | 26.7 | 71 | 15.9 | 345.5 | 93 | 1000 |
| SFC. | 25.6 | 81 | 16.8 | 345.5 | 0 | 23.7 | 99 | 18.4 | 347.2 | 0 | 25.7 | 92 | 19.3 | 352.1 | 0 | 29.0 | 84 | 21.4 | 362.5 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.2 | SURFACE PRESSURE | | | | 1009.3 | SURFACE PRESSURE | | | | 1010.5 | SURFACE PRESSURE | | | | 1010.5 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/20 2330 GMT T | RH | W | EPT | H | 3/21 245 GMT T | RH | W | EPT | H | 3/21 6 1 GMT T | RH | W | EPT | H | 3/21 920 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.2 | 0 | 0.0 | 467.2 | 19534 | -64.4 | 0 | 0.0 | 466.8 | 19485 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.7 | 0 | 0.0 | 463.9 | 19453 | 60 |
| 70 | -70.8 | 0 | 0.0 | 432.9 | 18604 | -74.2 | 0 | 0.0 | 425.7 | 18567 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.1 | 0 | 0.0 | 432.4 | 18520 | 70 |
| 80 | -73.4 | 20 | .0 | 411.4 | 17815 | -74.6 | 0 | 0.0 | 408.9 | 17789 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 21 | .0 | 408.5 | 17739 | 80 |
| 90 | -76.9 | 20 | .0 | 390.7 | 17134 | -78.1 | 20 | .0 | 388.4 | 17113 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 21 | .0 | 391.3 | 17058 | 90 |
| 100 | -75.7 | 20 | .0 | 381.5 | 16526 | -77.8 | 21 | .0 | 377.4 | 16511 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.3 | 21 | .0 | 376.5 | 16455 | 100 |
| 110 | -76.8 | 20 | .0 | 369.2 | 15977 | -77.5 | 21 | .0 | 367.8 | 15965 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.1 | 21 | .0 | 364.8 | 15913 | 110 |
| 120 | -74.1 | 20 | .0 | 365.0 | 15474 | -74.9 | 21 | .0 | 363.5 | 15464 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.5 | 21 | .0 | 360.7 | 15415 | 120 |
| 130 | -71.2 | 20 | .0 | 362.0 | 15004 | -71.9 | 20 | .0 | 360.7 | 14996 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.0 | 20 | .0 | 357.0 | 14951 | 130 |
| 140 | -68.5 | 20 | .0 | 359.2 | 14563 | -69.2 | 20 | .0 | 358.0 | 14556 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.7 | 20 | .0 | 353.5 | 14516 | 140 |
| 150 | -65.9 | 20 | .0 | 356.5 | 14146 | -66.3 | 21 | .0 | 356.0 | 14141 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.6 | 20 | .0 | 350.2 | 14107 | 150 |
| 160 | -62.8 | 20 | .0 | 355.4 | 13752 | -63.5 | 21 | .0 | 354.1 | 13747 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.9 | 20 | .0 | 348.4 | 13720 | 160 |
| 170 | -59.7 | 20 | .0 | 354.3 | 13376 | -61.0 | 22 | .0 | 352.3 | 13373 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.4 | 20 | .0 | 348.3 | 13351 | 170 |
| 180 | -57.4 | 20 | .0 | 352.4 | 13016 | -58.5 | 23 | .0 | 350.6 | 13016 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.0 | 19 | .0 | 348.2 | 12997 | 180 |
| 190 | -56.4 | 20 | .0 | 348.6 | 12674 | -56.2 | 23 | .0 | 348.9 | 12674 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.8 | 19 | .0 | 347.9 | 12657 | 190 |
| 200 | -55.5 | 20 | .0 | 345.0 | 12348 | -54.1 | 24 | .0 | 347.3 | 12347 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.8 | 20 | .0 | 346.1 | 12330 | 200 |
| 225 | -49.5 | 19 | .0 | 342.8 | 11586 | -50.2 | 31 | .1 | 341.8 | 11585 | 0.0 | 0 | 0.0 | 0.0 | 0 | -51.6 | 21 | .0 | 339.5 | 11573 | 225 |
| 250 | -43.7 | 21 | .1 | 341.3 | 10888 | -44.0 | 36 | .1 | 341.1 | 10887 | 0.0 | 0 | 0.0 | 0.0 | 0 | -45.2 | 14 | .0 | 339.1 | 10880 | 250 |
| 275 | -38.1 | 25 | .1 | 340.6 | 10239 | -38.4 | 41 | .2 | 340.4 | 10240 | 0.0 | 0 | 0.0 | 0.0 | 0 | -39.8 | 26 | .1 | 338.0 | 10236 | 275 |
| 300 | -33.0 | 29 | .2 | 339.9 | 9634 | -33.3 | 45 | .3 | 339.8 | 9635 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.2 | 16 | .1 | 336.2 | 9635 | 300 |
| 325 | -29.7 | 41 | .4 | 337.3 | 9066 | -29.1 | 54 | .6 | 338.7 | 9068 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.5 | 50 | .5 | 336.5 | 9072 | 325 |
| 350 | -25.5 | 32 | .4 | 336.0 | 8533 | -25.4 | 64 | .9 | 337.8 | 8534 | -25.7 | 62 | .8 | 337.2 | 8537 | -26.3 | 86 | 1.1 | 337.3 | 8540 | 350 |
| 375 | -21.6 | 24 | .4 | 334.7 | 8029 | -21.6 | 59 | 1.1 | 337.0 | 8029 | -22.1 | 67 | 1.2 | 336.5 | 8033 | -22.5 | 89 | 1.5 | 337.2 | 8037 | 375 |
| 400 | -18.0 | 17 | .4 | 333.1 | 7550 | -18.0 | 52 | 1.2 | 336.1 | 7550 | -18.3 | 48 | 1.1 | 335.1 | 7553 | -18.5 | 53 | 1.2 | 335.2 | 7560 | 400 |
| 425 | -13.9 | 16 | .5 | 333.1 | 7093 | -14.6 | 46 | 1.3 | 335.1 | 7094 | -14.4 | 27 | .8 | 333.4 | 7097 | -14.8 | 17 | .5 | 331.8 | 7104 | 425 |
| 450 | -10.0 | 16 | .6 | 333.0 | 6656 | -11.1 | 15 | .6 | 331.4 | 6658 | -11.7 | 21 | .7 | 331.3 | 6662 | -12.2 | 14 | .4 | 329.6 | 6669 | 450 |
| 475 | -8.6 | 16 | .7 | 329.8 | 6239 | -7.9 | 14 | .6 | 330.6 | 6240 | -9.0 | 17 | .7 | 329.4 | 6246 | -10.1 | 16 | .6 | 327.6 | 6254 | 475 |
| 500 | -5.2 | 16 | .8 | 329.6 | 5839 | -4.8 | 14 | .7 | 329.8 | 5839 | -5.2 | 20 | 1.0 | 330.4 | 5845 | -6.9 | 13 | .6 | 326.9 | 5857 | 500 |
| 525 | -2.1 | 15 | .9 | 329.4 | 5453 | -1.9 | 13 | .8 | 329.0 | 5454 | -2.8 | 14 | .8 | 328.1 | 5460 | -3.5 | 10 | .6 | 326.3 | 5474 | 525 |
| 550 | .5 | 16 | 1.1 | 328.7 | 5082 | .8 | 12 | .9 | 328.2 | 5082 | -.9 | 16 | 1.0 | 326.7 | 5090 | -1.8 | 20 | 1.2 | 326.2 | 5105 | 550 |
| 575 | .8 | 18 | 1.3 | 325.4 | 4725 | 1.6 | 15 | 1.1 | 325.9 | 4725 | .0 | 23 | 1.5 | 325.3 | 4735 | .2 | 17 | 1.2 | 324.3 | 4750 | 575 |
| 600 | 2.8 | 19 | 1.4 | 324.3 | 4382 | 3.3 | 12 | 1.0 | 323.3 | 4381 | 1.6 | 10 | .7 | 320.5 | 4393 | 2.2 | 13 | 1.0 | 322.1 | 4408 | 600 |
| 625 | 4.7 | 19 | 1.6 | 323.3 | 4051 | 5.5 | 17 | 1.5 | 323.9 | 4049 | 3.9 | 19 | 1.5 | 322.1 | 4063 | 4.1 | 12 | .9 | 320.5 | 4078 | 625 |
| 650 | 6.5 | 25 | 2.3 | 324.0 | 3731 | 7.8 | 22 | 2.3 | 325.3 | 3728 | 5.9 | 27 | 2.4 | 323.6 | 3743 | 6.2 | 19 | 1.8 | 321.9 | 3758 | 650 |
| 675 | 8.1 | 36 | 3.6 | 326.3 | 3420 | 9.0 | 28 | 3.0 | 325.6 | 3416 | 7.5 | 41 | 3.9 | 326.6 | 3434 | 8.7 | 14 | 1.5 | 320.4 | 3447 | 675 |
| 700 | 9.7 | 46 | 5.0 | 329.0 | 3119 | 10.1 | 40 | 4.5 | 327.9 | 3114 | 9.0 | 41 | 4.2 | 325.7 | 3133 | 9.9 | 37 | 4.0 | 326.3 | 3146 | 700 |
| 725 | 11.2 | 57 | 6.5 | 332.0 | 2826 | 10.8 | 74 | 8.3 | 336.5 | 2822 | 10.0 | 92 | 9.8 | 339.8 | 2842 | 10.9 | 63 | 7.1 | 333.1 | 2854 | 725 |
| 750 | 12.1 | 72 | 8.5 | 335.5 | 2542 | 11.8 | 81 | 9.4 | 337.7 | 2538 | 11.7 | 97 | 11.3 | 342.9 | 2558 | 11.8 | 87 | 10.2 | 339.9 | 2570 | 750 |
| 775 | 13.1 | 73 | 8.9 | 334.7 | 2266 | 13.4 | 76 | 9.6 | 336.8 | 2262 | 13.2 | 97 | 12.1 | 343.6 | 2282 | 13.5 | 83 | 10.4 | 339.4 | 2293 | 775 |
| 800 | 14.2 | 73 | 9.3 | 333.9 | 1998 | 14.5 | 79 | 10.4 | 337.3 | 1993 | 14.6 | 97 | 12.9 | 344.4 | 2013 | 14.9 | 81 | 10.8 | 339.0 | 2025 | 800 |
| 825 | 15.1 | 74 | 9.7 | 333.2 | 1737 | 15.1 | 89 | 11.8 | 339.0 | 1732 | 16.0 | 98 | 13.7 | 345.3 | 1751 | 15.4 | 98 | 13.2 | 343.3 | 1763 | 825 |
| 850 | 16.1 | 74 | 10.1 | 332.5 | 1483 | 16.6 | 91 | 12.7 | 340.4 | 1477 | 17.3 | 98 | 14.5 | 346.2 | 1495 | 16.7 | 94 | 13.4 | 342.5 | 1508 | 850 |
| 875 | 17.0 | 75 | 10.5 | 331.9 | 1236 | 18.3 | 89 | 13.5 | 341.8 | 1229 | 18.6 | 98 | 15.3 | 347.2 | 1246 | 18.1 | 89 | 13.5 | 341.4 | 1259 | 875 |
| 900 | 18.3 | 80 | 11.8 | 334.2 | 994 | 19.9 | 87 | 14.3 | 343.1 | 986 | 19.8 | 97 | 16.0 | 347.5 | 1002 | 19.4 | 85 | 13.5 | 340.2 | 1017 | 900 |
| 925 | 19.6 | 86 | 13.4 | 337.5 | 758 | 21.5 | 85 | 15.1 | 344.5 | 748 | 20.9 | 97 | 16.5 | 347.5 | 764 | 20.9 | 85 | 14.3 | 341.7 | 779 | 925 |
| 950 | 20.9 | 92 | 15.1 | 341.0 | 527 | 22.2 | 93 | 16.7 | 346.9 | 515 | 21.9 | 96 | 17.0 | 347.4 | 532 | 22.4 | 87 | 15.9 | 345.1 | 547 | 950 |
| 975 | 22.5 | 88 | 15.8 | 342.2 | 301 | 24.2 | 93 | 18.3 | 351.3 | 287 | 22.9 | 95 | 17.5 | 347.4 | 305 | 23.9 | 90 | 17.5 | 348.9 | 319 | 975 |
| 1000 | 25.4 | 87 | 18.1 | 349.7 | 79 | 26.1 | 92 | 20.0 | 355.9 | 64 | 25.6 | 92 | 19.5 | 353.6 | 82 | 25.6 | 92 | 19.2 | 353.0 | 96 | 1000 |
| SFC. | 26.8 | 91 | 20.4 | 356.9 | 0 | 26.7 | 92 | 20.6 | 357.3 | 0 | 26.9 | 91 | 20.5 | 357.3 | 0 | 26.5 | 91 | 20.0 | 355.1 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.9 | SURFACE PRESSURE | | | | 1007.2 | SURFACE PRESSURE | | | | 1009.3 | SURFACE PRESSURE | | | | 1010.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/21 12 1 GMT T | RH | W | EPT | H | 3/21 1743 GMT T | RH | W | EPT | H | 3/21 2338 GMT T | RH | W | EPT | H | 3/22 555 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.0 | 0 | 0.0 | 463.2 | 19506 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.3 | 0 | 0.0 | 464.8 | 19505 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -68.4 | 0 | 0.0 | 438.1 | 18566 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.2 | 0 | 0.0 | 434.3 | 18572 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -72.8 | 0 | 0.0 | 412.5 | 17777 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.1 | 0 | 0.0 | 409.9 | 17786 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -77.5 | 29 | .0 | 389.6 | 17092 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 15 | .0 | 394.7 | 17102 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -77.5 | 29 | .0 | 378.0 | 16489 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 15 | .0 | 382.7 | 16491 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -78.2 | 29 | .0 | 366.5 | 15944 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.5 | 16 | .0 | 373.5 | 15936 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -75.3 | 28 | .0 | 362.8 | 15443 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.7 | 16 | .0 | 365.7 | 15430 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -72.7 | 28 | .0 | 359.3 | 14976 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.3 | 16 | .0 | 361.9 | 14960 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -70.3 | 27 | .0 | 356.0 | 14539 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.0 | 15 | .0 | 358.3 | 14519 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -69.6 | 27 | .0 | 350.3 | 14129 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.8 | 15 | .0 | 355.0 | 14104 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -66.0 | 27 | .0 | 349.9 | 13741 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.1 | 15 | .0 | 349.8 | 13714 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.7 | 27 | .0 | 349.4 | 13370 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.8 | 15 | .0 | 349.1 | 13344 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.6 | 27 | .0 | 348.8 | 13015 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.8 | 15 | .0 | 348.4 | 12989 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -56.6 | 27 | .0 | 348.3 | 12675 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.4 | 15 | .0 | 347.1 | 12649 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -54.8 | 27 | .0 | 346.2 | 12348 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.6 | 15 | .0 | 344.8 | 12324 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -49.9 | 29 | .1 | 342.2 | 11586 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.3 | 16 | .0 | 344.6 | 11561 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -44.1 | 31 | .1 | 341.0 | 10889 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.9 | 17 | .1 | 344.1 | 10857 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -38.6 | 31 | .2 | 340.0 | 10242 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.0 | 18 | .1 | 343.6 | 10203 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -33.2 | 22 | .2 | 339.3 | 9637 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.1 | 16 | .1 | 340.7 | 9593 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -29.7 | 44 | .4 | 337.5 | 9070 | 0.0 | 0 | 0.0 | 0.0 | 0 | -29.5 | 15 | .2 | 336.7 | 9025 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -26.4 | 66 | .8 | 336.2 | 8539 | -26.0 | 16 | .2 | 334.6 | 8524 | -26.4 | 16 | .2 | 334.0 | 8493 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -22.0 | 71 | 1.2 | 337.0 | 8035 | -23.1 | 32 | .5 | 333.0 | 8021 | -24.4 | 25 | .3 | 330.7 | 7993 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -19.0 | 83 | 1.8 | 336.5 | 7558 | -19.6 | 48 | 1.0 | 333.0 | 7546 | -20.5 | 24 | .4 | 330.0 | 7519 | -20.9 | 59 | 1.1 | 331.7 | 7554 | 400 |
| 425 | -15.5 | 27 | .7 | 331.7 | 7103 | -15.7 | 26 | .7 | 331.4 | 7092 | -17.7 | 19 | .4 | 327.9 | 7067 | -16.5 | 41 | 1.0 | 331.5 | 7102 | 425 |
| 450 | -12.2 | 25 | .8 | 331.0 | 6669 | -13.2 | 26 | .8 | 329.6 | 6659 | -13.0 | 14 | .4 | 328.6 | 6637 | -12.2 | 18 | .6 | 330.2 | 6668 | 450 |
| 475 | -9.8 | 35 | 1.3 | 330.4 | 6253 | -10.4 | 38 | 1.4 | 329.9 | 6245 | -8.9 | 18 | .7 | 329.7 | 6221 | -8.8 | 12 | .5 | 329.1 | 6252 | 475 |
| 500 | -6.7 | 27 | 1.2 | 329.3 | 5855 | -7.3 | 21 | .9 | 327.4 | 5848 | -6.8 | 27 | 1.2 | 329.0 | 5822 | -5.8 | 10 | .5 | 327.8 | 5853 | 500 |
| 525 | -3.8 | 24 | 1.3 | 328.5 | 5472 | -4.4 | 17 | .9 | 326.3 | 5465 | -4.7 | 32 | 1.6 | 328.4 | 5440 | -3.3 | 10 | .6 | 326.5 | 5469 | 525 |
| 550 | -2.1 | 29 | 1.7 | 327.5 | 5104 | -1.9 | 16 | .9 | 325.2 | 5097 | -1.4 | 17 | 1.1 | 326.2 | 5071 | -1.0 | M | M | M | 5100 | 550 |
| 575 | -.3 | 23 | 1.5 | 324.8 | 4749 | .6 | 14 | 1.0 | 324.1 | 4742 | .3 | 18 | 1.2 | 324.6 | 4716 | .9 | M | M | M | 4744 | 575 |
| 600 | 1.9 | 20 | 1.4 | 323.2 | 4408 | 2.7 | 17 | 1.3 | 323.7 | 4400 | 2.0 | 19 | 1.4 | 323.1 | 4374 | 2.8 | M | M | M | 4401 | 600 |
| 625 | 4.9 | 22 | 1.9 | 324.5 | 4077 | 4.9 | 19 | 1.6 | 323.6 | 4068 | 3.6 | 20 | 1.5 | 321.8 | 4044 | 4.4 | M | M | M | 4070 | 625 |
| 650 | 7.7 | 25 | 2.5 | 326.0 | 3755 | 7.1 | 20 | 1.9 | 323.4 | 3747 | 5.1 | 20 | 1.7 | 320.5 | 3725 | 6.0 | 15 | 1.3 | 320.4 | 3750 | 650 |
| 675 | 9.8 | 50 | 5.6 | 334.3 | 3443 | 9.2 | 21 | 2.2 | 323.4 | 3436 | 6.6 | 28 | 2.5 | 321.2 | 3416 | 7.7 | 31 | 3.1 | 324.3 | 3440 | 675 |
| 700 | 11.2 | 48 | 5.7 | 332.8 | 3140 | 10.2 | 31 | 3.4 | 324.8 | 3134 | 8.1 | 53 | 5.1 | 327.5 | 3117 | 9.5 | 54 | 5.7 | 330.9 | 3139 | 700 |
| 725 | 12.3 | 72 | 9.0 | 340.3 | 2846 | 10.2 | 61 | 6.6 | 330.9 | 2842 | 9.8 | 54 | 5.7 | 327.6 | 2826 | 11.2 | 55 | 6.3 | 331.1 | 2847 | 725 |
| 750 | 13.3 | 78 | 10.0 | 341.2 | 2560 | 10.8 | 81 | 8.8 | 334.7 | 2559 | 11.4 | 55 | 6.2 | 327.8 | 2543 | 12.5 | 77 | 9.4 | 338.6 | 2563 | 750 |
| 775 | 15.0 | 81 | 11.3 | 343.7 | 2283 | 12.3 | 87 | 10.1 | 336.8 | 2284 | 12.9 | 56 | 6.7 | 328.1 | 2268 | 13.4 | 96 | 12.0 | 343.6 | 2286 | 775 |
| 800 | 15.8 | 89 | 12.6 | 345.2 | 2012 | 13.6 | 92 | 11.4 | 339.2 | 2016 | 13.7 | 69 | 8.5 | 331.1 | 2001 | 14.7 | 93 | 12.3 | 342.8 | 2017 | 800 |
| 825 | 16.6 | 95 | 13.8 | 346.4 | 1750 | 14.7 | 96 | 12.3 | 340.0 | 1755 | 15.0 | 70 | 9.2 | 331.5 | 1740 | 16.0 | 91 | 12.7 | 342.7 | 1755 | 825 |
| 850 | 17.7 | 94 | 14.3 | 346.1 | 1494 | 16.3 | 93 | 12.8 | 340.3 | 1501 | 16.3 | 71 | 9.8 | 332.0 | 1486 | 17.6 | 91 | 13.7 | 344.3 | 1500 | 850 |
| 875 | 18.8 | 94 | 14.8 | 345.9 | 1244 | 18.0 | 89 | 13.4 | 341.1 | 1253 | 17.6 | 72 | 10.5 | 332.6 | 1238 | 19.1 | 91 | 14.6 | 345.9 | 1250 | 875 |
| 900 | 19.8 | 93 | 15.2 | 345.6 | 1001 | 19.7 | 86 | 13.9 | 341.8 | 1010 | 18.9 | 73 | 11.2 | 333.2 | 996 | 20.6 | 91 | 15.6 | 347.6 | 1006 | 900 |
| 925 | 20.9 | 92 | 15.7 | 345.4 | 763 | 20.9 | 89 | 15.1 | 343.9 | 772 | 20.5 | 70 | 11.6 | 333.5 | 760 | 22.1 | 90 | 16.6 | 349.4 | 768 | 925 |
| 950 | 22.0 | 91 | 16.2 | 345.5 | 531 | 21.8 | 92 | 16.2 | 345.1 | 540 | 22.1 | 67 | 11.9 | 333.7 | 528 | 23.5 | 90 | 17.6 | 351.2 | 534 | 950 |
| 975 | 23.8 | 88 | 17.0 | 347.1 | 303 | 23.8 | 87 | 16.8 | 346.5 | 313 | 23.7 | 64 | 12.2 | 333.8 | 302 | 24.9 | 90 | 18.6 | 353.1 | 305 | 975 |
| 1000 | 25.6 | 84 | 17.7 | 348.6 | 80 | 25.6 | 82 | 17.3 | 347.6 | 90 | 26.7 | 73 | 16.4 | 346.7 | 79 | 26.2 | 90 | 19.7 | 355.0 | 81 | 1000 |
| SFC. | 26.2 | 83 | 17.9 | 349.2 | 0 | 26.4 | 80 | 17.4 | 348.0 | 0 | 28.9 | 86 | 21.9 | 363.8 | 0 | 26.7 | 90 | 20.1 | 355.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.1 | SURFACE PRESSURE | | | | 1010.2 | SURFACE PRESSURE | | | | 1008.9 | SURFACE PRESSURE | | | | 1009.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/22 1145 GMT T | RH | W | EPT | H | 3/22 15 0 GMT T | RH | W | EPT | H | 3/22 1812 GMT T | RH | W | EPT | H | 3/22 2040 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.8 | 0 | 0.0 | 459.0 | 19362 | -65.8 | 0 | 0.0 | 463.6 | 19414 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.1 | 0 | 0.0 | 469.7 | 19613 | 60 |
| 70 | -69.2 | 0 | 0.0 | 436.5 | 18434 | -65.6 | 0 | 0.0 | 444.0 | 18478 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.5 | 0 | 0.0 | 450.7 | 18666 | 70 |
| 80 | -73.6 | 0 | 0.0 | 411.0 | 17653 | -77.3 | 0 | 0.0 | 403.4 | 17695 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 0 | 0.0 | 417.7 | 17845 | 80 |
| 90 | -79.7 | 0 | 0.0 | 385.1 | 16980 | -79.0 | 15 | .0 | 386.5 | 17026 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.3 | 0 | 0.0 | 394.0 | 17154 | 90 |
| 100 | -77.6 | 0 | 0.0 | 377.8 | 16380 | -78.4 | 15 | .0 | 376.2 | 16423 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 0 | 0.0 | 382.8 | 16543 | 100 |
| 110 | -80.3 | 0 | 0.0 | 362.6 | 15837 | -80.5 | 14 | .0 | 362.2 | 15885 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.1 | 22 | .0 | 366.7 | 15995 | 110 |
| 120 | -77.7 | 0 | 0.0 | 358.4 | 15344 | -77.1 | 14 | .0 | 359.6 | 15391 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 22 | .0 | 363.2 | 15495 | 120 |
| 130 | -74.2 | 0 | 0.0 | 356.7 | 14882 | -73.5 | 14 | .0 | 357.9 | 14927 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.0 | 22 | .0 | 360.5 | 15027 | 130 |
| 140 | -70.9 | 0 | 0.0 | 355.0 | 14446 | -70.1 | 14 | .0 | 356.3 | 14490 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.2 | 21 | .0 | 357.9 | 14588 | 140 |
| 150 | -67.8 | 0 | 0.0 | 353.3 | 14035 | -67.0 | 14 | .0 | 354.7 | 14076 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.6 | 21 | .0 | 355.5 | 14173 | 150 |
| 160 | -68.2 | 0 | 0.0 | 346.1 | 13647 | -67.3 | 14 | .0 | 347.6 | 13688 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 21 | .0 | 351.9 | 13780 | 160 |
| 170 | -64.8 | 0 | 0.0 | 345.9 | 13280 | -64.7 | 14 | .0 | 346.1 | 13320 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.6 | 21 | .0 | 347.8 | 13410 | 170 |
| 180 | -61.5 | 0 | 0.0 | 345.6 | 12928 | -61.2 | 13 | .0 | 346.1 | 12969 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.2 | 21 | .0 | 347.9 | 13056 | 180 |
| 190 | -58.4 | 0 | 0.0 | 345.3 | 12591 | -58.0 | 12 | .0 | 346.0 | 12630 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.9 | 22 | .0 | 347.8 | 12716 | 190 |
| 200 | -55.5 | 0 | 0.0 | 344.9 | 12266 | -54.9 | 12 | .0 | 345.8 | 12305 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.8 | 22 | .0 | 347.7 | 12389 | 200 |
| 225 | -50.1 | 0 | 0.0 | 341.8 | 11506 | -48.7 | 11 | .0 | 344.0 | 11541 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.3 | 21 | .1 | 346.3 | 11621 | 225 |
| 250 | -45.3 | 0 | 0.0 | 338.7 | 10810 | -44.0 | 10 | .0 | 340.8 | 10841 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.9 | 20 | .1 | 344.2 | 10915 | 250 |
| 275 | -40.2 | 0 | 0.0 | 337.1 | 10168 | -39.3 | 10 | .0 | 338.5 | 10195 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.0 | 20 | .1 | 342.1 | 10263 | 275 |
| 300 | -34.6 | M | M | M | 9567 | -34.1 | 10 | .1 | 337.7 | 9593 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.6 | 19 | .2 | 340.1 | 9656 | 300 |
| 325 | -29.9 | M | M | M | 9002 | -29.3 | 10 | .1 | 336.8 | 9027 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.5 | 18 | .2 | 338.2 | 9087 | 325 |
| 350 | -26.7 | M | M | M | 8471 | -26.4 | 10 | .1 | 333.7 | 8494 | -24.7 | 13 | .2 | 336.2 | 8529 | -24.7 | 17 | .3 | 336.5 | 8552 | 350 |
| 375 | -23.4 | M | M | M | 7969 | -22.6 | 10 | .2 | 332.4 | 7991 | -21.0 | 12 | .2 | 334.8 | 8023 | -21.2 | 17 | .3 | 334.8 | 8046 | 375 |
| 400 | -21.6 | M | M | M | 7495 | -19.0 | 10 | .2 | 331.1 | 7514 | -17.5 | 12 | .3 | 333.4 | 7543 | -17.9 | 16 | .4 | 333.2 | 7567 | 400 |
| 425 | -17.5 | M | M | M | 7045 | -17.4 | 19 | .4 | 328.4 | 7061 | -14.2 | 12 | .4 | 332.1 | 7086 | -15.0 | 17 | .5 | 331.6 | 7111 | 425 |
| 450 | -13.7 | M | M | M | 6614 | -13.3 | 17 | .5 | 328.5 | 6630 | -12.5 | 15 | .5 | 329.4 | 6651 | -12.8 | 37 | 1.2 | 331.4 | 6677 | 450 |
| 475 | -10.1 | M | M | M | 6200 | -9.7 | 15 | .6 | 328.1 | 6215 | -8.6 | 16 | .7 | 329.8 | 6235 | -9.3 | 27 | 1.1 | 330.2 | 6262 | 475 |
| 500 | -7.2 | M | M | M | 5803 | -7.0 | 14 | .6 | 326.8 | 5817 | -5.1 | 20 | 1.0 | 330.5 | 5834 | -6.1 | 30 | 1.5 | 330.8 | 5863 | 500 |
| 525 | -4.7 | M | M | M | 5421 | -4.6 | 13 | .7 | 325.4 | 5435 | -3.7 | 41 | 2.3 | 331.8 | 5450 | -3.4 | 37 | 2.1 | 331.4 | 5479 | 525 |
| 550 | -2.4 | M | M | M | 5053 | -3.0 | 17 | 1.0 | 324.0 | 5068 | -2.9 | 30 | 1.7 | 326.4 | 5082 | -.8 | 37 | 2.4 | 331.3 | 5109 | 550 |
| 575 | -.9 | M | M | M | 4700 | -.4 | 17 | 1.1 | 323.3 | 4714 | -.6 | 28 | 1.8 | 325.4 | 4728 | .5 | 31 | 2.2 | 327.9 | 4753 | 575 |
| 600 | .6 | M | M | M | 4360 | 2.2 | 16 | 1.2 | 322.7 | 4372 | 1.6 | 27 | 1.9 | 324.4 | 4386 | 2.4 | 32 | 2.4 | 327.1 | 4410 | 600 |
| 625 | 2.8 | M | M | M | 4031 | 4.2 | 34 | 2.8 | 326.5 | 4042 | 3.7 | 26 | 2.1 | 323.7 | 4056 | 4.2 | 33 | 2.7 | 326.3 | 4079 | 625 |
| 650 | 4.8 | M | M | M | 3713 | 5.7 | 60 | 5.3 | 332.2 | 3721 | 4.5 | 58 | 4.8 | 329.1 | 3737 | 6.0 | 34 | 3.0 | 325.7 | 3759 | 650 |
| 675 | 6.8 | M | M | M | 3405 | 7.7 | 47 | 4.6 | 328.8 | 3411 | 5.0 | 71 | 5.7 | 329.0 | 3430 | 7.6 | 44 | 4.3 | 327.7 | 3449 | 675 |
| 700 | 8.7 | M | M | M | 3106 | 6.7 | 73 | 6.4 | 329.3 | 3112 | 7.6 | 87 | 8.2 | 335.6 | 3130 | 9.2 | 54 | 5.6 | 330.1 | 3148 | 700 |
| 725 | 10.5 | M | M | M | 2815 | 9.4 | 99 | 10.1 | 340.0 | 2822 | 10.0 | 68 | 7.2 | 332.5 | 2839 | 11.5 | 53 | 6.2 | 331.4 | 2856 | 725 |
| 750 | 11.7 | M | M | M | 2533 | 10.9 | 99 | 10.9 | 340.6 | 2539 | 12.3 | 63 | 7.5 | 332.8 | 2556 | 13.8 | 52 | 6.8 | 332.6 | 2571 | 750 |
| 775 | 12.1 | M | M | M | 2259 | 12.8 | 91 | 11.0 | 340.0 | 2263 | 14.5 | 59 | 7.9 | 333.4 | 2279 | 15.8 | 51 | 7.4 | 333.4 | 2293 | 775 |
| 800 | 14.3 | M | M | M | 1993 | 15.1 | 75 | 10.2 | 337.5 | 1995 | 16.6 | 56 | 8.3 | 333.9 | 2010 | 16.9 | 48 | 7.3 | 331.4 | 2023 | 800 |
| 825 | 15.6 | M | M | M | 1733 | 16.6 | 65 | 9.4 | 334.2 | 1733 | 18.1 | 50 | 7.9 | 331.7 | 1746 | 18.0 | 46 | 7.2 | 329.5 | 1760 | 825 |
| 850 | 16.8 | M | M | M | 1480 | 18.1 | 56 | 8.6 | 330.6 | 1477 | 19.0 | 42 | 6.9 | 327.0 | 1490 | 18.8 | 48 | 7.7 | 329.1 | 1504 | 850 |
| 875 | 18.0 | M | M | M | 1233 | 19.5 | 46 | 7.6 | 326.7 | 1228 | 19.2 | 46 | 7.3 | 325.5 | 1241 | 19.1 | 59 | 9.4 | 331.3 | 1255 | 875 |
| 900 | 19.2 | M | M | M | 992 | 20.9 | 37 | 6.4 | 322.4 | 985 | 19.5 | 52 | 8.2 | 325.8 | 999 | 20.6 | 51 | 8.6 | 328.2 | 1012 | 900 |
| 925 | 20.4 | M | M | M | 757 | 22.1 | 60 | 10.8 | 333.5 | 748 | 20.7 | 63 | 10.4 | 330.8 | 762 | 21.3 | 63 | 10.9 | 332.9 | 774 | 925 |
| 950 | 21.6 | M | M | M | 527 | 21.9 | 82 | 14.4 | 340.4 | 515 | 21.9 | 73 | 12.8 | 336.0 | 530 | 23.1 | 66 | 12.5 | 336.7 | 542 | 950 |
| 975 | 22.8 | M | M | M | 301 | 23.0 | 88 | 16.2 | 344.1 | 288 | 23.1 | 83 | 15.3 | 341.7 | 304 | 25.1 | 66 | 13.7 | 339.9 | 314 | 975 |
| 1000 | 24.0 | M | M | M | 79 | 24.2 | 94 | 18.3 | 348.5 | 66 | 25.2 | 90 | 18.5 | 350.4 | 81 | 27.5 | 57 | 13.3 | 339.1 | 90 | 1000 |
| SFC. | 24.4 | 99 | 19.2 | 350.4 | 0 | 24.6 | 96 | 18.9 | 349.9 | 0 | 26.1 | 92 | 19.8 | 354.1 | 0 | 28.5 | 53 | 13.0 | 338.4 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.0 | SURFACE PRESSURE | | | | 1007.5 | SURFACE PRESSURE | | | | 1009.2 | SURFACE PRESSURE | | | | 1010.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/23 0 0 GMT T | RH | W | EPT | H | 3/23 3 0 GMT T | RH | W | EPT | H | 3/23 550 GMT T | RH | W | EPT | H | 3/23 850 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.7 | 0 | 0.0 | 468.3 | 19559 | -67.1 | 0 | 0.0 | 460.7 | 19542 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.0 | 0 | 0.0 | 458.7 | 19467 | 60 |
| 70 | -64.6 | 0 | 0.0 | 446.2 | 18619 | -65.4 | 23 | .0 | 444.6 | 18610 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.0 | 20 | .0 | 439.0 | 18545 | 70 |
| 80 | -72.7 | 20 | .0 | 412.8 | 17810 | -68.5 | 24 | .0 | 421.4 | 17794 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.5 | 20 | .0 | 415.2 | 17746 | 80 |
| 90 | -76.8 | 21 | .0 | 390.9 | 17126 | -74.3 | 25 | .0 | 395.9 | 17100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.6 | 20 | .0 | 387.5 | 17065 | 90 |
| 100 | -75.1 | 21 | .0 | 382.7 | 16518 | -74.1 | 25 | .0 | 384.6 | 16488 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.0 | 20 | .0 | 380.9 | 16460 | 100 |
| 110 | -79.2 | 21 | .0 | 364.6 | 15970 | -77.5 | 25 | .0 | 367.9 | 15939 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 20 | .0 | 369.1 | 15911 | 110 |
| 120 | -76.2 | 21 | .0 | 361.3 | 15472 | -75.2 | 24 | .0 | 363.0 | 15438 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 20 | .0 | 358.6 | 15412 | 120 |
| 130 | -73.3 | 21 | .0 | 358.2 | 15007 | -73.2 | 24 | .0 | 358.4 | 14971 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.2 | 20 | .0 | 356.6 | 14949 | 130 |
| 140 | -70.7 | 21 | .0 | 355.3 | 14570 | -70.2 | 24 | .0 | 356.2 | 14534 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.1 | 20 | .0 | 354.6 | 14514 | 140 |
| 150 | -68.2 | 21 | .0 | 352.6 | 14158 | -67.3 | 24 | .0 | 354.2 | 14121 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.2 | 20 | .0 | 352.7 | 14103 | 150 |
| 160 | -65.9 | 21 | .0 | 350.0 | 13769 | -64.6 | 24 | .0 | 352.4 | 13730 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.5 | 20 | .0 | 350.8 | 13713 | 160 |
| 170 | -63.7 | 21 | .0 | 347.7 | 13399 | -62.0 | 24 | .0 | 350.6 | 13357 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.1 | 20 | .0 | 348.7 | 13342 | 170 |
| 180 | -60.8 | 22 | .0 | 346.9 | 13046 | -59.6 | 24 | .0 | 348.9 | 13002 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.2 | 20 | .0 | 346.3 | 12989 | 180 |
| 190 | -58.0 | 22 | .0 | 346.0 | 12708 | -57.3 | 24 | .0 | 347.2 | 12662 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.3 | 20 | .0 | 343.9 | 12652 | 190 |
| 200 | -55.4 | 22 | .0 | 345.1 | 12383 | -55.1 | 24 | .0 | 345.6 | 12336 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.9 | 20 | .0 | 342.7 | 12329 | 200 |
| 225 | -49.1 | 24 | .0 | 343.5 | 11621 | -49.1 | 25 | .0 | 343.5 | 11574 | 0.0 | 0 | 0.0 | 0.0 | 0 | -50.6 | 19 | .0 | 341.2 | 11572 | 225 |
| 250 | -42.8 | 26 | .1 | 342.8 | 10920 | -43.5 | 27 | .1 | 341.8 | 10874 | 0.0 | 0 | 0.0 | 0.0 | 0 | -44.1 | 17 | .1 | 340.8 | 10876 | 250 |
| 275 | -37.2 | 28 | .2 | 342.0 | 10269 | -38.4 | 28 | .1 | 340.2 | 10225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -38.2 | 16 | .1 | 340.3 | 10228 | 275 |
| 300 | -32.4 | 23 | .2 | 340.5 | 9662 | -33.4 | 37 | .3 | 339.5 | 9621 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.8 | 14 | .1 | 339.6 | 9622 | 300 |
| 325 | -28.1 | 18 | .2 | 338.7 | 9092 | -30.1 | 18 | .2 | 335.9 | 9054 | 0.0 | 0 | 0.0 | 0.0 | 0 | -29.8 | 15 | .1 | 336.2 | 9055 | 325 |
| 350 | -25.3 | 14 | .2 | 335.5 | 8557 | -25.4 | 15 | .2 | 335.4 | 8522 | 0.0 | 0 | 0.0 | 0.0 | 0 | -25.9 | 15 | .2 | 334.7 | 8522 | 350 |
| 375 | -21.3 | 14 | .3 | 334.5 | 8052 | -21.6 | 15 | .3 | 334.0 | 8017 | 0.0 | 0 | 0.0 | 0.0 | 0 | -22.2 | 16 | .3 | 333.3 | 8019 | 375 |
| 400 | -17.5 | 14 | .3 | 333.6 | 7573 | -18.2 | 14 | .3 | 332.6 | 7538 | -18.5 | 14 | .3 | 332.2 | 7527 | -18.7 | 16 | .3 | 332.0 | 7541 | 400 |
| 425 | -14.4 | 15 | .4 | 332.2 | 7116 | -15.1 | 17 | .5 | 331.3 | 7083 | -16.0 | 16 | .4 | 330.0 | 7073 | -15.5 | 20 | .5 | 331.1 | 7087 | 425 |
| 450 | -12.0 | 28 | .9 | 331.6 | 6681 | -12.2 | 19 | .6 | 330.3 | 6648 | -13.4 | 61 | 1.8 | 332.8 | 6640 | -12.5 | 24 | .8 | 330.4 | 6653 | 450 |
| 475 | -8.5 | 26 | 1.1 | 331.4 | 6265 | -9.1 | 26 | 1.0 | 330.4 | 6233 | -9.8 | 33 | 1.3 | 330.3 | 6225 | -9.6 | 28 | 1.1 | 329.9 | 6237 | 475 |
| 500 | -6.0 | 41 | 2.0 | 332.6 | 5865 | -6.2 | 34 | 1.6 | 331.1 | 5834 | -6.7 | 32 | 1.5 | 330.0 | 5827 | -7.1 | 40 | 1.8 | 330.5 | 5839 | 500 |
| 525 | -3.4 | 37 | 2.1 | 331.5 | 5481 | -3.8 | 48 | 2.7 | 332.9 | 5450 | -5.4 | 62 | 3.0 | 332.0 | 5445 | -5.3 | 63 | 3.1 | 332.2 | 5457 | 525 |
| 550 | -1.0 | 33 | 2.1 | 330.2 | 5111 | -1.4 | 41 | 2.6 | 331.1 | 5081 | -3.1 | 63 | 3.5 | 331.7 | 5078 | -3.0 | 53 | 3.0 | 330.4 | 5090 | 550 |
| 575 | 1.2 | 32 | 2.3 | 329.2 | 4755 | .9 | 27 | 1.9 | 327.7 | 4725 | -1.2 | 37 | 2.3 | 326.2 | 4724 | -.8 | 33 | 2.0 | 325.9 | 4736 | 575 |
| 600 | 3.1 | 34 | 2.7 | 328.6 | 4411 | 2.6 | 28 | 2.2 | 326.4 | 4382 | .4 | 53 | 3.5 | 327.9 | 4384 | 1.1 | 30 | 2.0 | 324.3 | 4395 | 600 |
| 625 | 4.9 | 36 | 3.1 | 328.1 | 4079 | 3.7 | 41 | 3.3 | 327.3 | 4051 | 2.2 | 61 | 4.4 | 328.9 | 4055 | 2.8 | 45 | 3.4 | 326.6 | 4066 | 625 |
| 650 | 6.6 | 37 | 3.5 | 327.8 | 3758 | 6.1 | 42 | 3.8 | 328.1 | 3731 | 4.5 | 66 | 5.4 | 331.0 | 3736 | 4.4 | 60 | 4.8 | 329.2 | 3747 | 650 |
| 675 | 8.5 | 51 | 5.2 | 331.7 | 3447 | 8.3 | 43 | 4.4 | 329.1 | 3420 | 7.3 | 59 | 5.6 | 331.4 | 3427 | 7.0 | 51 | 4.8 | 328.5 | 3438 | 675 |
| 700 | 10.6 | 63 | 7.3 | 336.8 | 3145 | 10.5 | 45 | 5.1 | 330.2 | 3118 | 9.7 | 56 | 6.1 | 332.2 | 3126 | 9.0 | 57 | 5.8 | 330.6 | 3138 | 700 |
| 725 | 13.0 | 58 | 7.5 | 336.9 | 2851 | 12.7 | 46 | 5.8 | 331.5 | 2825 | 11.7 | 59 | 7.0 | 334.0 | 2833 | 11.0 | 62 | 7.0 | 333.0 | 2845 | 725 |
| 750 | 15.3 | 52 | 7.6 | 336.8 | 2565 | 14.7 | 47 | 6.6 | 333.0 | 2539 | 13.7 | 43 | 5.7 | 329.1 | 2548 | 13.3 | 34 | 4.3 | 324.5 | 2561 | 750 |
| 775 | 16.7 | 48 | 7.4 | 334.7 | 2286 | 16.2 | 38 | 5.6 | 328.8 | 2261 | 15.6 | 19 | 2.7 | 319.5 | 2271 | 15.4 | 21 | 3.0 | 320.0 | 2285 | 775 |
| 800 | 17.8 | 44 | 7.1 | 331.9 | 2014 | 17.6 | 41 | 6.4 | 329.7 | 1990 | 17.4 | 21 | 3.2 | 320.0 | 2001 | 16.0 | 51 | 7.3 | 330.4 | 2015 | 800 |
| 825 | 19.0 | 46 | 7.6 | 331.9 | 1751 | 18.4 | 54 | 8.8 | 334.6 | 1726 | 18.4 | 23 | 3.7 | 319.7 | 1738 | 16.4 | 66 | 9.4 | 333.9 | 1753 | 825 |
| 850 | 20.1 | 53 | 9.3 | 335.1 | 1493 | 19.5 | 44 | 7.3 | 328.6 | 1470 | 18.0 | 55 | 8.4 | 330.2 | 1482 | 16.8 | 79 | 11.3 | 336.7 | 1498 | 850 |
| 875 | 21.0 | 61 | 11.0 | 338.1 | 1242 | 20.0 | 56 | 9.4 | 332.5 | 1220 | 17.3 | 95 | 13.6 | 340.7 | 1234 | 17.3 | 91 | 13.0 | 339.2 | 1250 | 875 |
| 900 | 21.3 | 69 | 12.3 | 339.4 | 998 | 20.5 | 68 | 11.6 | 336.3 | 976 | 19.0 | 96 | 14.9 | 343.6 | 992 | 19.0 | 90 | 14.1 | 341.3 | 1008 | 900 |
| 925 | 21.6 | 77 | 13.6 | 340.5 | 760 | 21.3 | 76 | 13.3 | 339.3 | 739 | 20.9 | 92 | 15.6 | 345.0 | 755 | 20.7 | 90 | 15.1 | 343.6 | 770 | 925 |
| 950 | 23.7 | 72 | 14.2 | 342.0 | 527 | 23.3 | 73 | 13.9 | 340.8 | 506 | 22.7 | 88 | 16.2 | 346.3 | 522 | 22.4 | 89 | 16.2 | 345.8 | 538 | 950 |
| 975 | 25.7 | 68 | 14.7 | 343.2 | 298 | 25.1 | 70 | 14.5 | 342.2 | 278 | 24.4 | 84 | 16.8 | 347.4 | 294 | 23.9 | 89 | 17.3 | 348.2 | 310 | 975 |
| 1000 | 28.2 | 69 | 16.8 | 349.8 | 74 | 27.0 | 67 | 15.1 | 343.5 | 54 | 26.1 | 84 | 18.2 | 350.9 | 71 | 25.5 | 88 | 18.4 | 350.6 | 87 | 1000 |
| SFC. | 29.4 | 74 | 19.3 | 357.4 | 0 | 27.4 | 66 | 15.3 | 343.8 | 0 | 26.7 | 88 | 19.6 | 354.7 | 0 | 26.1 | 88 | 18.9 | 351.6 | 0 | SFC. |
| | SURFACE PRESSURE 1008.3 | | | | | SURFACE PRESSURE 1006.1 | | | | | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1009.9 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/23 12 0 GMT T | RH | W | EPT | H | 3/23 1455 GMT T | RH | W | EPT | H | 3/23 1751 GMT T | RH | W | EPT | H | 3/23 2030 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.5 | 0 | 0.0 | 462.1 | 19437 | -67.6 | 0 | 0.0 | 459.6 | 19361 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.9 | 0 | 0.0 | 465.6 | 19592 | 60 |
| 70 | -68.5 | 0 | 0.0 | 437.8 | 18513 | -70.1 | 0 | 0.0 | 434.4 | 18444 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.4 | 10 | .0 | 438.1 | 18666 | 70 |
| 80 | -72.9 | 17 | .0 | 412.5 | 17721 | -74.3 | 24 | .0 | 409.6 | 17659 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.2 | 10 | .0 | 418.1 | 17868 | 80 |
| 90 | -74.1 | 17 | .0 | 396.4 | 17031 | -79.6 | 24 | .0 | 385.3 | 16984 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.2 | 10 | .0 | 394.2 | 17177 | 90 |
| 100 | -75.9 | 17 | .0 | 381.1 | 16420 | -77.0 | 24 | .0 | 379.0 | 16382 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.5 | 10 | .0 | 383.8 | 16565 | 100 |
| 110 | -75.9 | 17 | .0 | 370.9 | 15869 | -76.7 | 24 | .0 | 369.4 | 15834 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.7 | 10 | .0 | 371.2 | 16012 | 110 |
| 120 | -77.1 | 17 | .0 | 359.6 | 15368 | -78.4 | 24 | .0 | 357.1 | 15337 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 10 | .0 | 363.4 | 15509 | 120 |
| 130 | -74.1 | 17 | .0 | 356.8 | 14905 | -75.8 | 24 | .0 | 353.8 | 14878 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.1 | 10 | .0 | 358.6 | 15042 | 130 |
| 140 | -70.9 | 17 | .0 | 354.9 | 14470 | -72.2 | 24 | .0 | 352.7 | 14446 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.7 | 10 | .0 | 355.3 | 14606 | 140 |
| 150 | -68.4 | 17 | .0 | 352.3 | 14058 | -68.8 | 23 | .0 | 351.6 | 14037 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.6 | 10 | .0 | 353.6 | 14194 | 150 |
| 160 | -66.3 | 17 | .0 | 349.5 | 13669 | -65.7 | 23 | .0 | 350.5 | 13648 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.7 | 10 | .0 | 352.0 | 13803 | 160 |
| 170 | -63.9 | 17 | .0 | 347.4 | 13300 | -63.3 | 23 | .0 | 348.4 | 13277 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.0 | 10 | .0 | 350.6 | 13430 | 170 |
| 180 | -61.6 | 17 | .0 | 345.4 | 12948 | -61.4 | 23 | .0 | 345.9 | 12924 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.0 | 10 | .0 | 349.8 | 13074 | 180 |
| 190 | -59.2 | 17 | .0 | 344.1 | 12611 | -59.1 | 23 | .0 | 344.3 | 12587 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.1 | 10 | .0 | 349.1 | 12733 | 190 |
| 200 | -56.7 | 17 | .0 | 343.0 | 12288 | -57.0 | 23 | .0 | 342.7 | 12264 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.4 | 10 | .0 | 348.3 | 12405 | 200 |
| 225 | -51.1 | 17 | .0 | 340.3 | 11532 | -50.9 | 22 | .0 | 340.6 | 11509 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.2 | 10 | .0 | 346.4 | 11636 | 225 |
| 250 | -44.6 | 16 | .0 | 339.9 | 10836 | -44.6 | 20 | .1 | 340.0 | 10813 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.6 | 10 | .0 | 344.4 | 10930 | 250 |
| 275 | -38.8 | 14 | .1 | 339.4 | 10190 | -38.9 | 19 | .1 | 339.2 | 10167 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.5 | 10 | .1 | 342.6 | 10277 | 275 |
| 300 | -33.4 | 13 | .1 | 338.7 | 9586 | -33.7 | 17 | .1 | 338.4 | 9564 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.9 | 10 | .1 | 340.8 | 9668 | 300 |
| 325 | -30.3 | 13 | .1 | 335.5 | 9020 | -31.1 | 34 | .3 | 335.0 | 9000 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.6 | 37 | .4 | 338.8 | 9098 | 325 |
| 350 | -26.4 | 13 | .2 | 333.9 | 8489 | -27.0 | 22 | .3 | 333.4 | 8470 | -25.6 | 42 | .6 | 336.4 | 8530 | -25.1 | 10 | .1 | 335.5 | 8564 | 350 |
| 375 | -22.8 | 14 | .2 | 332.4 | 7986 | -23.2 | 20 | .3 | 332.1 | 7969 | -21.3 | 36 | .7 | 336.0 | 8025 | -20.9 | 10 | .2 | 334.8 | 8058 | 375 |
| 400 | -19.4 | 14 | .3 | 330.9 | 7510 | -19.6 | 23 | .5 | 331.3 | 7493 | -17.3 | 18 | .4 | 334.2 | 7545 | -16.9 | 10 | .3 | 334.0 | 7578 | 400 |
| 425 | -15.7 | 13 | .4 | 330.3 | 7056 | -16.2 | 25 | .6 | 330.5 | 7039 | -14.4 | 19 | .6 | 332.6 | 7089 | -13.4 | 10 | .3 | 333.1 | 7119 | 425 |
| 450 | -12.2 | 13 | .4 | 329.6 | 6622 | -13.0 | 27 | .8 | 329.9 | 6607 | -11.7 | 19 | .7 | 331.0 | 6653 | -10.3 | 10 | .4 | 331.7 | 6682 | 450 |
| 475 | -9.7 | 18 | .7 | 328.4 | 6207 | -10.8 | 35 | 1.2 | 328.9 | 6193 | -8.9 | 20 | .8 | 330.0 | 6237 | -7.7 | 10 | .4 | 330.2 | 6264 | 475 |
| 500 | -7.4 | 22 | 1.0 | 327.5 | 5809 | -8.8 | 42 | 1.7 | 328.1 | 5797 | -6.9 | 27 | 1.2 | 329.0 | 5838 | -5.2 | 10 | .5 | 328.7 | 5863 | 500 |
| 525 | -6.0 | 58 | 2.7 | 330.2 | 5428 | -7.7 | 65 | 2.7 | 328.0 | 5418 | -4.6 | 34 | 1.8 | 328.9 | 5455 | -2.8 | 10 | .6 | 327.3 | 5478 | 525 |
| 550 | -4.2 | 71 | 3.6 | 330.9 | 5062 | -5.0 | 65 | 3.1 | 328.3 | 5054 | -2.5 | 41 | 2.4 | 329.1 | 5087 | -1.8 | 27 | 1.6 | 327.6 | 5109 | 550 |
| 575 | -1.6 | 31 | 1.8 | 324.3 | 4710 | -2.4 | 60 | 3.3 | 328.0 | 4702 | -.5 | 48 | 3.1 | 329.6 | 4733 | -.2 | 34 | 2.2 | 327.2 | 4754 | 575 |
| 600 | -.2 | 50 | 3.1 | 326.0 | 4370 | -.4 | 46 | 2.8 | 325.0 | 4363 | 1.5 | 54 | 3.8 | 330.3 | 4391 | 1.8 | 38 | 2.7 | 327.3 | 4412 | 600 |
| 625 | 2.0 | 51 | 3.6 | 326.3 | 4042 | 1.4 | 63 | 4.3 | 327.6 | 4035 | 3.1 | 55 | 4.2 | 329.4 | 4061 | 4.2 | 33 | 2.7 | 326.3 | 4081 | 625 |
| 650 | 4.1 | 53 | 4.1 | 326.6 | 3724 | 3.8 | 65 | 5.0 | 329.0 | 3717 | 4.7 | 55 | 4.5 | 328.6 | 3742 | 6.6 | 28 | 2.6 | 325.1 | 3761 | 650 |
| 675 | 6.1 | 54 | 4.7 | 327.1 | 3415 | 6.2 | 66 | 5.8 | 330.5 | 3409 | 6.2 | 56 | 4.9 | 327.9 | 3433 | 8.8 | 23 | 2.4 | 323.6 | 3450 | 675 |
| 700 | 8.6 | 51 | 5.2 | 328.1 | 3116 | 8.4 | 67 | 6.6 | 332.1 | 3109 | 7.9 | 59 | 5.6 | 328.6 | 3134 | 11.0 | 18 | 2.2 | 321.9 | 3148 | 700 |
| 725 | 11.6 | 16 | 1.9 | 318.5 | 2824 | 10.6 | 68 | 7.5 | 334.0 | 2817 | 10.0 | 67 | 7.1 | 332.2 | 2843 | 12.4 | 24 | 3.0 | 322.9 | 2855 | 725 |
| 750 | 13.0 | 18 | 2.2 | 317.9 | 2540 | 9.9 | 72 | 7.4 | 329.4 | 2534 | 12.1 | 74 | 8.8 | 336.2 | 2559 | 13.6 | 34 | 4.4 | 325.3 | 2570 | 750 |
| 775 | 13.5 | 41 | 5.2 | 324.3 | 2265 | 11.6 | 73 | 8.1 | 330.3 | 2261 | 13.8 | 77 | 9.9 | 338.2 | 2283 | 15.7 | 39 | 5.6 | 328.0 | 2293 | 775 |
| 800 | 13.5 | 77 | 9.4 | 333.3 | 1997 | 13.7 | 74 | 9.2 | 332.8 | 1994 | 15.2 | 77 | 10.5 | 338.5 | 2014 | 16.8 | 45 | 6.7 | 329.8 | 2023 | 800 |
| 825 | 14.5 | 91 | 11.6 | 337.7 | 1737 | 15.3 | 77 | 10.3 | 334.9 | 1733 | 16.6 | 77 | 11.1 | 338.9 | 1752 | 17.9 | 51 | 8.0 | 331.6 | 1760 | 825 |
| 850 | 16.2 | 92 | 12.6 | 339.6 | 1483 | 16.8 | 80 | 11.5 | 337.2 | 1478 | 17.9 | 77 | 11.8 | 339.3 | 1496 | 18.9 | 57 | 9.3 | 333.6 | 1504 | 850 |
| 875 | 17.6 | 92 | 13.5 | 341.0 | 1234 | 18.2 | 93 | 14.2 | 343.5 | 1230 | 18.8 | 90 | 14.2 | 344.2 | 1247 | 19.6 | 61 | 10.1 | 333.9 | 1254 | 875 |
| 900 | 18.7 | 93 | 14.2 | 341.3 | 992 | 19.6 | 99 | 15.9 | 347.1 | 987 | 19.8 | 99 | 16.2 | 348.1 | 1003 | 20.2 | 65 | 10.8 | 333.9 | 1011 | 900 |
| 925 | 20.2 | 93 | 15.1 | 342.9 | 755 | 20.9 | 98 | 16.7 | 348.1 | 749 | 20.9 | 99 | 16.9 | 348.7 | 766 | 20.8 | 69 | 11.6 | 334.0 | 773 | 925 |
| 950 | 22.0 | 93 | 16.5 | 346.2 | 523 | 22.2 | 97 | 17.5 | 349.2 | 516 | 22.9 | 95 | 17.9 | 351.3 | 533 | 22.6 | 83 | 15.3 | 343.6 | 541 | 950 |
| 975 | 23.8 | 92 | 17.9 | 349.6 | 296 | 23.4 | 97 | 18.3 | 350.3 | 289 | 25.0 | 91 | 18.9 | 354.1 | 304 | 24.5 | 73 | 14.7 | 341.8 | 314 | 975 |
| 1000 | 25.5 | 92 | 19.3 | 353.1 | 72 | 24.6 | 96 | 19.1 | 351.4 | 66 | 27.1 | 87 | 19.9 | 356.8 | 80 | 26.6 | 72 | 16.0 | 345.5 | 90 | 1000 |
| SFC. | 26.1 | 92 | 19.8 | 354.3 | 0 | 25.0 | 96 | 19.4 | 351.7 | 0 | 27.8 | 85 | 20.2 | 357.7 | 0 | 27.5 | 74 | 17.2 | 348.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1008.2 | | SURFACE PRESSURE | | | 1007.5 | | SURFACE PRESSURE | | | 1009.0 | | SURFACE PRESSURE | | | 1010.2 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — FANNING ISLAND

| P | 3/24 020 GMT T | RH | W | EPT | H | 3/24 255 GMT T | RH | W | EPT | H | 3/24 6 0 GMT T | RH | W | EPT | H | 3/24 1215 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.5 | 0 | 0.0 | 457.6 | 19634 | -67.5 | 0 | 0.0 | 459.8 | 19614 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.5 | 0 | 0.0 | 468.8 | 19404 | 60 |
| 70 | -70.4 | 0 | 0.0 | 433.8 | 18712 | -69.2 | 0 | 0.0 | 436.4 | 18697 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 0 | 0.0 | 431.1 | 18476 | 70 |
| 80 | -70.5 | 0 | 0.0 | 417.3 | 17918 | -69.4 | 12 | .0 | 419.6 | 17900 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.6 | 21 | .0 | 410.9 | 17697 | 80 |
| 90 | -74.7 | 10 | .0 | 395.2 | 17231 | -73.7 | 14 | .0 | 397.1 | 17198 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.1 | 21 | .0 | 386.3 | 17020 | 90 |
| 100 | -74.5 | 10 | .0 | 383.8 | 16619 | -73.9 | 14 | .0 | 385.0 | 16585 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.3 | 21 | .0 | 376.5 | 16420 | 100 |
| 110 | -75.8 | 10 | .0 | 371.1 | 16067 | -73.1 | 14 | .0 | 376.2 | 16027 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.1 | 21 | .0 | 364.8 | 15876 | 110 |
| 120 | -73.5 | 10 | .0 | 366.2 | 15561 | -74.6 | 14 | .0 | 364.1 | 15519 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.5 | 21 | .0 | 357.0 | 15383 | 120 |
| 130 | -71.4 | 10 | .0 | 361.7 | 15091 | -74.0 | 14 | .0 | 357.0 | 15054 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 21 | .0 | 354.9 | 14923 | 130 |
| 140 | -69.3 | 10 | .0 | 357.8 | 14651 | -71.0 | 14 | .0 | 354.8 | 14619 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.1 | 21 | .0 | 352.9 | 14490 | 140 |
| 150 | -66.0 | 10 | .0 | 356.5 | 14236 | -68.2 | 14 | .0 | 352.7 | 14208 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 21 | .0 | 349.0 | 14081 | 150 |
| 160 | -62.9 | 10 | .0 | 355.2 | 13841 | -65.3 | 14 | .0 | 351.1 | 13818 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.6 | 21 | .0 | 347.2 | 13696 | 160 |
| 170 | -60.0 | 10 | .0 | 353.9 | 13465 | -62.3 | 14 | .0 | 350.1 | 13446 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.4 | 20 | .0 | 346.5 | 13328 | 170 |
| 180 | -57.3 | 10 | .0 | 352.6 | 13106 | -59.4 | 14 | .0 | 349.1 | 13091 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.3 | 20 | .0 | 346.1 | 12976 | 180 |
| 190 | -54.7 | 10 | .0 | 351.3 | 12762 | -56.7 | 13 | .0 | 348.1 | 12750 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.3 | 20 | .0 | 345.6 | 12638 | 190 |
| 200 | -52.3 | 10 | .0 | 350.1 | 12432 | -54.1 | 13 | .0 | 347.2 | 12423 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.4 | 19 | .0 | 345.1 | 12313 | 200 |
| 225 | -46.3 | 10 | .0 | 347.7 | 11661 | -47.7 | 13 | .0 | 345.6 | 11657 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.9 | 19 | .0 | 343.8 | 11551 | 225 |
| 250 | -40.2 | 10 | .0 | 346.5 | 10951 | -41.3 | 12 | .0 | 345.0 | 10951 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.0 | 18 | .1 | 342.4 | 10850 | 250 |
| 275 | -34.8 | 10 | .1 | 345.2 | 10293 | -35.5 | 11 | .1 | 344.2 | 10296 | 0.0 | 0 | 0.0 | 0.0 | 0 | -38.5 | 18 | .1 | 339.8 | 10201 | 275 |
| 300 | -29.8 | 10 | .1 | 343.9 | 9679 | -30.2 | 11 | .1 | 343.4 | 9683 | 0.0 | 0 | 0.0 | 0.0 | 0 | -33.1 | 17 | .1 | 339.2 | 9596 | 300 |
| 325 | -26.0 | 12 | .2 | 341.6 | 9104 | -25.3 | 15 | .2 | 342.8 | 9108 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.2 | 17 | .2 | 338.6 | 9028 | 325 |
| 350 | -23.4 | 15 | .2 | 338.2 | 8565 | -22.3 | 35 | .6 | 341.2 | 8566 | -23.4 | M | M | M | 8515 | -23.6 | 16 | .3 | 338.0 | 8491 | 350 |
| 375 | -19.2 | 10 | .2 | 337.2 | 8056 | -19.8 | 37 | .8 | 338.4 | 8057 | -21.5 | M | M | M | 8009 | -19.8 | 35 | .7 | 338.2 | 7982 | 375 |
| 400 | -15.7 | 10 | .3 | 335.7 | 7573 | -16.6 | 11 | .3 | 334.6 | 7575 | -17.8 | M | M | M | 7530 | -17.4 | 75 | 1.8 | 338.9 | 7501 | 400 |
| 425 | -11.8 | 10 | .4 | 335.3 | 7112 | -12.8 | 10 | .3 | 333.9 | 7116 | -14.6 | M | M | M | 7074 | -15.5 | 89 | 2.4 | 337.3 | 7044 | 425 |
| 450 | -9.0 | 10 | .4 | 333.6 | 6672 | -9.3 | 10 | .4 | 333.2 | 6677 | -11.5 | M | M | M | 6639 | -12.4 | 16 | .5 | 329.5 | 6611 | 450 |
| 475 | -7.7 | 10 | .5 | 330.2 | 6252 | -6.5 | 11 | .5 | 331.9 | 6257 | -8.9 | M | M | M | 6222 | -10.4 | 42 | 1.5 | 330.5 | 6196 | 475 |
| 500 | -4.8 | 10 | .5 | 329.2 | 5851 | -4.1 | 12 | .7 | 330.6 | 5855 | -6.6 | M | M | M | 5824 | -8.7 | 30 | 1.2 | 326.6 | 5800 | 500 |
| 525 | -2.0 | 10 | .6 | 328.3 | 5466 | -1.7 | 13 | .8 | 329.4 | 5468 | -4.5 | M | M | M | 5441 | -7.2 | 45 | 1.9 | 326.2 | 5421 | 525 |
| 550 | -.7 | 22 | 1.5 | 328.4 | 5095 | .5 | 14 | 1.0 | 328.3 | 5097 | -3.3 | M | M | M | 5074 | -5.0 | 67 | 3.2 | 328.6 | 5056 | 550 |
| 575 | .8 | 44 | 3.1 | 331.2 | 4739 | 1.7 | 32 | 2.4 | 330.0 | 4739 | -2.2 | M | M | M | 4723 | -2.7 | 47 | 2.5 | 325.2 | 4705 | 575 |
| 600 | 3.1 | 34 | 2.7 | 328.7 | 4396 | 3.2 | 39 | 3.1 | 330.0 | 4395 | .5 | M | M | M | 4383 | -.2 | 48 | 3.0 | 325.7 | 4366 | 600 |
| 625 | 5.7 | 25 | 2.3 | 326.6 | 4064 | 5.7 | 24 | 2.2 | 326.3 | 4063 | 3.0 | M | M | M | 4055 | 2.1 | 40 | 2.9 | 324.2 | 4038 | 625 |
| 650 | 8.1 | 16 | 1.7 | 324.0 | 3742 | 7.9 | 27 | 2.7 | 327.0 | 3741 | 5.5 | M | M | M | 3736 | 4.1 | 49 | 3.9 | 326.0 | 3720 | 650 |
| 675 | 10.3 | 16 | 1.8 | 323.2 | 3429 | 9.9 | 30 | 3.4 | 327.8 | 3429 | 7.9 | M | M | M | 3427 | 6.2 | 49 | 4.3 | 326.2 | 3411 | 675 |
| 700 | 12.2 | 18 | 2.2 | 323.5 | 3126 | 11.8 | 35 | 4.4 | 329.5 | 3125 | 9.3 | M | M | M | 3126 | 8.2 | 32 | 3.1 | 321.4 | 3112 | 700 |
| 725 | 13.4 | 38 | 5.0 | 330.0 | 2831 | 12.5 | 64 | 8.1 | 338.1 | 2831 | 10.9 | 48 | 5.5 | 328.4 | 2834 | 9.8 | 50 | 5.3 | 326.7 | 2821 | 725 |
| 750 | 15.2 | 28 | 4.0 | 326.0 | 2545 | 14.3 | 58 | 7.9 | 336.5 | 2545 | 13.0 | 40 | 5.1 | 326.6 | 2550 | 11.1 | 55 | 6.0 | 327.0 | 2539 | 750 |
| 775 | 15.6 | 12 | 1.7 | 316.3 | 2267 | 14.8 | 72 | 9.9 | 339.6 | 2267 | 14.0 | 58 | 7.6 | 332.0 | 2274 | 12.9 | 28 | 3.3 | 318.2 | 2264 | 775 |
| 800 | 14.7 | 49 | 6.4 | 326.3 | 2000 | 15.9 | 83 | 11.9 | 343.2 | 1998 | 15.3 | 75 | 10.3 | 338.1 | 2005 | 14.3 | 37 | 4.7 | 320.9 | 1997 | 800 |
| 825 | 17.0 | 69 | 10.3 | 337.2 | 1738 | 17.0 | 91 | 13.6 | 346.3 | 1735 | 16.0 | 86 | 12.0 | 340.8 | 1743 | 16.6 | 29 | 4.2 | 319.3 | 1736 | 825 |
| 850 | 18.2 | 76 | 11.8 | 339.8 | 1482 | 18.3 | 94 | 14.8 | 348.2 | 1478 | 17.0 | 87 | 12.7 | 340.8 | 1488 | 16.2 | 45 | 6.1 | 321.3 | 1482 | 850 |
| 875 | 20.1 | 74 | 12.7 | 341.9 | 1232 | 19.7 | 95 | 15.9 | 350.1 | 1228 | 18.4 | 89 | 13.8 | 342.6 | 1239 | 16.9 | 79 | 11.0 | 333.1 | 1236 | 875 |
| 900 | 22.2 | 71 | 13.5 | 343.7 | 987 | 21.2 | 93 | 16.7 | 351.3 | 983 | 19.7 | 91 | 14.9 | 344.5 | 996 | 17.6 | 91 | 12.9 | 336.5 | 994 | 900 |
| 925 | 23.1 | 73 | 14.1 | 343.9 | 748 | 22.7 | 91 | 17.3 | 352.3 | 744 | 21.0 | 93 | 16.0 | 346.5 | 758 | 19.1 | 95 | 14.5 | 339.8 | 758 | 925 |
| 950 | 24.1 | 73 | 14.7 | 344.0 | 514 | 24.2 | 88 | 18.0 | 353.1 | 510 | 22.3 | 95 | 17.2 | 348.6 | 525 | 20.9 | 90 | 15.0 | 340.6 | 527 | 950 |
| 975 | 26.0 | 66 | 14.5 | 343.2 | 286 | 25.7 | 85 | 18.5 | 353.9 | 281 | 24.0 | 91 | 17.7 | 349.4 | 298 | 22.7 | 85 | 15.4 | 341.3 | 301 | 975 |
| 1000 | 27.9 | 59 | 14.1 | 341.8 | 61 | 27.5 | 79 | 18.7 | 354.2 | 56 | 26.1 | 88 | 19.0 | 352.9 | 74 | 24.5 | 87 | 17.1 | 345.7 | 79 | 1000 |
| SFC. | 28.4 | 57 | 13.9 | 341.3 | 0 | 28.0 | 78 | 18.8 | 354.3 | 0 | 26.7 | 92 | 20.5 | 357.1 | 0 | 25.2 | 94 | 19.1 | 351.2 | 0 | SFC. |
| | SURFACE PRESSURE 1006.9 | | | | | SURFACE PRESSURE 1006.3 | | | | | SURFACE PRESSURE 1008.4 | | | | | SURFACE PRESSURE 1009.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/24 18 2 GMT | | | | | 3/25 1 0 GMT | | | | | 3/25 615 GMT | | | | | 3/25 1239 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.1 | 0 | 0.0 | 460.7 | 19491 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.5 | 0 | 0.0 | 466.6 | 19412 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 0 | 0.0 | 425.4 | 18577 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.7 | 0 | 0.0 | 433.2 | 18484 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.0 | 0 | 0.0 | 418.4 | 17793 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.1 | 24 | .0 | 409.9 | 17702 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 20 | .0 | 401.3 | 17098 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.8 | 24 | .0 | 389.0 | 17018 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.5 | 20 | .0 | 383.8 | 16481 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.5 | 25 | .0 | 376.1 | 16420 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 20 | .0 | 367.6 | 15931 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 24 | .0 | 367.6 | 15876 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.9 | 20 | .0 | 361.8 | 15431 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.7 | 21 | .0 | 360.3 | 15376 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.1 | 20 | .0 | 358.5 | 14966 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.6 | 20 | .0 | 355.9 | 14914 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.6 | 20 | .0 | 355.5 | 14529 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.0 | 20 | .0 | 354.8 | 14479 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 20 | .0 | 352.6 | 14117 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.6 | 20 | .0 | 353.6 | 14067 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.1 | 20 | .0 | 349.8 | 13728 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.7 | 20 | .0 | 352.2 | 13676 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.0 | 20 | .0 | 347.3 | 13358 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.5 | 21 | .0 | 349.7 | 13304 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.4 | 20 | .0 | 345.9 | 13006 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.5 | 21 | .0 | 347.3 | 12949 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.3 | 20 | .0 | 345.5 | 12669 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.6 | 22 | .0 | 345.0 | 12611 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.4 | 20 | .0 | 345.1 | 12344 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.8 | 23 | .0 | 342.9 | 12288 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.7 | 20 | .0 | 344.0 | 11581 | 0.0 | 0 | 0.0 | 0.0 | 0 | -50.6 | 23 | .0 | 341.1 | 11532 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.8 | 20 | .1 | 342.8 | 10879 | 0.0 | 0 | 0.0 | 0.0 | 0 | -44.4 | 23 | .1 | 340.3 | 10836 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.4 | 19 | .1 | 341.6 | 10229 | 0.0 | 0 | 0.0 | 0.0 | 0 | -38.9 | 23 | .1 | 339.4 | 10189 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.4 | 19 | .2 | 340.4 | 9621 | 0.0 | 0 | 0.0 | 0.0 | 0 | -33.8 | 23 | .2 | 338.5 | 9586 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.9 | 19 | .2 | 339.2 | 9052 | 0.0 | 0 | 0.0 | 0.0 | 0 | -29.3 | 27 | .3 | 337.5 | 9019 | 325 |
| 350 | -24.0 | 12 | .2 | 337.2 | 8527 | -23.7 | 19 | .3 | 338.1 | 8515 | -25.2 | 40 | .6 | 336.9 | 8522 | -25.5 | 39 | .5 | 336.4 | 8486 | 350 |
| 375 | -19.3 | 12 | .3 | 337.1 | 8019 | -19.8 | 19 | .4 | 337.0 | 8007 | -22.4 | 61 | 1.0 | 335.7 | 8018 | -22.9 | 48 | .8 | 334.2 | 7984 | 375 |
| 400 | -14.9 | 12 | .4 | 337.0 | 7535 | -16.1 | 19 | .5 | 336.0 | 7524 | -17.9 | 53 | 1.2 | 336.2 | 7539 | -19.0 | 13 | .3 | 331.4 | 7507 | 400 |
| 425 | -14.6 | 55 | 1.6 | 336.0 | 7075 | -13.8 | 42 | 1.3 | 335.9 | 7065 | -15.2 | 42 | 1.2 | 333.7 | 7083 | -15.5 | 27 | .7 | 331.7 | 7052 | 425 |
| 450 | -11.9 | 39 | 1.3 | 332.9 | 6641 | -11.1 | 32 | 1.2 | 333.5 | 6628 | -12.0 | 16 | .5 | 330.1 | 6649 | -12.8 | 20 | .6 | 329.5 | 6619 | 450 |
| 475 | -9.4 | 18 | .7 | 329.0 | 6225 | -8.4 | 20 | .9 | 330.7 | 6211 | -9.3 | 19 | .8 | 329.2 | 6233 | -10.3 | 20 | .7 | 327.8 | 6204 | 475 |
| 500 | -7.4 | 24 | 1.0 | 327.6 | 5827 | -6.3 | 37 | 1.8 | 331.6 | 5811 | -6.6 | 40 | 1.9 | 331.5 | 5835 | -7.9 | 19 | .8 | 326.2 | 5808 | 500 |
| 525 | -6.0 | 62 | 2.9 | 330.8 | 5446 | -4.6 | 52 | 2.7 | 331.9 | 5428 | -5.0 | 81 | 4.1 | 335.7 | 5452 | -5.7 | 18 | .9 | 324.7 | 5427 | 525 |
| 550 | -3.3 | 41 | 2.2 | 327.6 | 5079 | -4.0 | 45 | 2.3 | 327.1 | 5061 | -3.0 | 44 | 2.4 | 328.7 | 5084 | -4.0 | 69 | 3.6 | 331.0 | 5061 | 550 |
| 575 | -2.7 | 71 | 3.9 | 329.2 | 4727 | -1.6 | 45 | 2.6 | 326.9 | 4709 | -1.7 | 49 | 2.9 | 327.5 | 4731 | -2.4 | 56 | 3.1 | 327.3 | 4709 | 575 |
| 600 | -.4 | 63 | 3.9 | 328.2 | 4388 | .8 | 42 | 2.8 | 326.2 | 4369 | .2 | 68 | 4.4 | 330.5 | 4391 | -.4 | 96 | 6.0 | 334.3 | 4369 | 600 |
| 625 | 2.1 | 51 | 3.6 | 326.4 | 4059 | 3.1 | 39 | 3.0 | 325.6 | 4039 | 2.5 | 64 | 4.7 | 330.2 | 4062 | 1.2 | 92 | 6.2 | 332.9 | 4041 | 625 |
| 650 | 4.4 | 39 | 3.2 | 324.2 | 3741 | 5.3 | 36 | 3.1 | 324.9 | 3720 | 4.8 | 51 | 4.2 | 327.8 | 3743 | 3.4 | 79 | 5.9 | 331.2 | 3724 | 650 |
| 675 | 6.8 | 31 | 2.9 | 322.5 | 3433 | 7.4 | 33 | 3.2 | 324.1 | 3411 | 7.0 | 38 | 3.5 | 324.8 | 3434 | 5.6 | 66 | 5.6 | 329.1 | 3416 | 675 |
| 700 | 9.2 | 28 | 2.9 | 322.0 | 3133 | 9.4 | 31 | 3.2 | 323.3 | 3110 | 8.7 | 44 | 4.5 | 326.2 | 3134 | 7.1 | 76 | 6.9 | 331.3 | 3117 | 700 |
| 725 | 10.7 | 45 | 5.1 | 327.1 | 2841 | 11.0 | 35 | 4.0 | 324.2 | 2818 | 11.0 | 41 | 4.6 | 326.1 | 2842 | 9.1 | 73 | 7.3 | 331.6 | 2827 | 725 |
| 750 | 12.2 | 57 | 6.7 | 330.5 | 2557 | 12.4 | 42 | 5.1 | 325.9 | 2535 | 13.3 | 36 | 4.5 | 325.2 | 2558 | 10.3 | 84 | 8.9 | 334.3 | 2544 | 750 |
| 775 | 13.8 | 50 | 6.4 | 328.4 | 2281 | 13.9 | 48 | 6.2 | 327.7 | 2259 | 14.8 | 39 | 5.4 | 326.4 | 2282 | 10.7 | 91 | 9.6 | 333.6 | 2270 | 775 |
| 800 | 15.4 | 44 | 6.1 | 326.1 | 2013 | 15.2 | 55 | 7.4 | 329.8 | 1990 | 16.1 | 55 | 7.9 | 332.4 | 2012 | 12.2 | 95 | 10.7 | 335.4 | 2004 | 800 |
| 825 | 16.2 | 46 | 6.6 | 325.4 | 1751 | 16.5 | 61 | 8.7 | 332.0 | 1728 | 16.6 | 81 | 11.7 | 340.4 | 1750 | 14.4 | 97 | 12.2 | 339.3 | 1744 | 825 |
| 850 | 16.3 | 67 | 9.3 | 330.5 | 1497 | 17.6 | 66 | 9.8 | 333.6 | 1473 | 17.6 | 84 | 12.5 | 341.2 | 1494 | 16.5 | 99 | 13.9 | 343.5 | 1490 | 850 |
| 875 | 16.8 | 76 | 10.6 | 331.8 | 1250 | 18.1 | 69 | 10.3 | 332.7 | 1225 | 18.6 | 86 | 13.4 | 342.0 | 1245 | 17.8 | 99 | 14.6 | 344.2 | 1242 | 875 |
| 900 | 17.5 | 72 | 10.1 | 328.6 | 1009 | 18.5 | 72 | 10.8 | 331.8 | 983 | 19.6 | 89 | 14.3 | 342.8 | 1002 | 19.0 | 99 | 15.4 | 344.9 | 999 | 900 |
| 925 | 19.1 | 86 | 13.1 | 336.2 | 773 | 19.0 | 75 | 11.2 | 330.9 | 747 | 20.5 | 92 | 15.3 | 343.7 | 765 | 20.2 | 99 | 16.1 | 345.6 | 762 | 925 |
| 950 | 21.5 | 92 | 15.9 | 343.9 | 542 | 21.5 | 86 | 14.7 | 340.7 | 516 | 22.2 | 92 | 16.6 | 346.9 | 532 | 21.5 | 97 | 16.7 | 346.0 | 530 | 950 |
| 975 | 23.5 | 88 | 16.8 | 346.2 | 315 | 23.9 | 72 | 13.9 | 339.0 | 289 | 24.0 | 93 | 18.1 | 350.5 | 305 | 23.2 | 89 | 16.5 | 345.1 | 303 | 975 |
| 1000 | 25.3 | 77 | 15.8 | 343.1 | 92 | 26.1 | 58 | 12.5 | 335.3 | 66 | 25.7 | 93 | 19.7 | 354.3 | 81 | 25.3 | 92 | 18.9 | 351.7 | 80 | 1000 |
| SFC. | 26.0 | 72 | 15.3 | 341.6 | 0 | 26.5 | 59 | 12.9 | 336.0 | 0 | 26.3 | 93 | 20.2 | 355.7 | 0 | 26.2 | 96 | 20.8 | 357.1 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1009.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/25 1520 GMT T | RH | W | EPT | H | 3/25 1815 GMT T | RH | W | EPT | H | 3/25 2334 GMT T | RH | W | EPT | H | 3/26 7 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.1 | 0 | 0.0 | 471.9 | 19522 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.7 | 0 | 0.0 | 466.1 | 19599 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -69.3 | 0 | 0.0 | 436.0 | 18577 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.7 | 0 | 0.0 | 437.4 | 18673 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -71.0 | 18 | .0 | 416.3 | 17786 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.8 | 20 | .0 | 420.9 | 17874 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -71.0 | 18 | .0 | 402.5 | 17088 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.6 | 19 | .0 | 395.3 | 17171 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -77.5 | 18 | .0 | 378.0 | 16475 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.7 | 19 | .0 | 379.6 | 16566 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -76.4 | 18 | .0 | 369.9 | 15927 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.5 | 19 | .0 | 371.5 | 16016 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -75.4 | 18 | .0 | 362.6 | 15424 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.5 | 19 | .0 | 364.3 | 15511 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -74.1 | 18 | .0 | 356.9 | 14960 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.5 | 19 | .0 | 359.6 | 15044 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -71.0 | 18 | .0 | 354.8 | 14524 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.2 | 19 | .0 | 357.8 | 14605 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.1 | 19 | .0 | 352.9 | 14113 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.2 | 19 | .0 | 356.1 | 14190 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.4 | 19 | .0 | 351.0 | 13723 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.4 | 19 | .0 | 354.4 | 13796 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.8 | 19 | .0 | 349.2 | 13352 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.7 | 19 | .0 | 352.8 | 13421 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -60.4 | 19 | .0 | 347.4 | 12998 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.1 | 19 | .0 | 351.2 | 13063 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -58.2 | 20 | .0 | 345.8 | 12659 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.8 | 19 | .0 | 349.7 | 12721 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -56.0 | 20 | .0 | 344.1 | 12334 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.5 | 19 | .0 | 348.2 | 12392 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -50.2 | 19 | .0 | 341.7 | 11576 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.3 | 19 | .0 | 344.7 | 11626 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -43.9 | 17 | .1 | 341.1 | 10879 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.2 | 19 | .1 | 343.6 | 10923 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -38.1 | 16 | .1 | 340.4 | 10231 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.7 | 18 | .1 | 342.6 | 10270 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -32.8 | 14 | .1 | 339.7 | 9625 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.6 | 18 | .2 | 341.5 | 9661 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -27.9 | 13 | .2 | 338.8 | 9056 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.0 | 19 | .2 | 339.0 | 9090 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -24.0 | 22 | .3 | 337.7 | 8519 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.6 | 21 | .3 | 338.3 | 8553 | -25.1 | 32 | .5 | 336.7 | 8554 | 350 |
| 375 | -22.1 | 60 | 1.0 | 336.1 | 8013 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.3 | 22 | .5 | 337.9 | 8045 | -20.2 | 24 | .5 | 336.7 | 8048 | 375 |
| 400 | -18.0 | 49 | 1.1 | 335.7 | 7535 | -17.9 | 47 | 1.1 | 335.7 | 7559 | -15.4 | 24 | .7 | 337.6 | 7561 | -16.6 | 19 | .5 | 335.3 | 7566 | 400 |
| 425 | -14.1 | 12 | .4 | 332.2 | 7078 | -14.0 | 37 | 1.1 | 335.1 | 7102 | -12.7 | 20 | .7 | 335.2 | 7101 | -13.6 | 24 | .8 | 334.3 | 7109 | 425 |
| 450 | -12.0 | 27 | .9 | 331.6 | 6643 | -10.4 | 28 | 1.1 | 334.1 | 6665 | -10.1 | 16 | .6 | 332.9 | 6663 | -10.7 | 22 | .8 | 332.8 | 6672 | 450 |
| 475 | -9.1 | 33 | 1.3 | 331.5 | 6227 | -7.7 | 31 | 1.4 | 333.3 | 6247 | -7.6 | 27 | 1.2 | 332.9 | 6244 | -7.9 | 19 | .9 | 331.3 | 6254 | 475 |
| 500 | -6.4 | 55 | 2.6 | 334.1 | 5827 | -6.1 | 28 | 1.4 | 330.4 | 5847 | -5.3 | 37 | 1.9 | 333.3 | 5843 | -6.0 | 21 | 1.0 | 329.4 | 5853 | 500 |
| 525 | -5.0 | 69 | 3.5 | 333.9 | 5444 | -4.4 | 54 | 2.8 | 332.6 | 5463 | -3.2 | 42 | 2.4 | 333.0 | 5458 | -4.2 | 25 | 1.4 | 328.1 | 5470 | 525 |
| 550 | -3.3 | 95 | 5.2 | 336.9 | 5077 | -2.5 | 62 | 3.6 | 332.9 | 5095 | -1.6 | 48 | 3.0 | 332.1 | 5089 | -1.8 | 44 | 2.7 | 330.9 | 5102 | 550 |
| 575 | -.5 | 87 | 5.6 | 337.2 | 4723 | -.5 | 52 | 3.3 | 330.3 | 4741 | .6 | 46 | 3.2 | 331.1 | 4733 | .6 | 63 | 4.4 | 335.0 | 4746 | 575 |
| 600 | 1.4 | 64 | 4.5 | 332.1 | 4381 | 1.5 | 42 | 2.9 | 327.5 | 4399 | 2.7 | 35 | 2.7 | 328.2 | 4390 | 2.4 | 51 | 3.9 | 331.5 | 4403 | 600 |
| 625 | 3.2 | 41 | 3.1 | 326.4 | 4051 | 3.4 | 32 | 2.5 | 324.4 | 4069 | 4.5 | 26 | 2.2 | 324.8 | 4059 | 4.1 | 42 | 3.4 | 328.1 | 4071 | 625 |
| 650 | 5.0 | 19 | 1.6 | 320.0 | 3732 | 5.4 | 31 | 2.7 | 323.9 | 3750 | 6.5 | 21 | 2.0 | 322.9 | 3738 | 5.5 | 40 | 3.5 | 326.4 | 3752 | 650 |
| 675 | 7.0 | 31 | 2.8 | 322.7 | 3423 | 7.4 | 31 | 3.0 | 323.6 | 3440 | 8.6 | 22 | 2.3 | 322.7 | 3428 | 7.9 | 35 | 3.5 | 325.7 | 3442 | 675 |
| 700 | 9.2 | 25 | 2.6 | 321.1 | 3123 | 9.3 | 32 | 3.3 | 323.5 | 3140 | 10.6 | 22 | 2.6 | 322.7 | 3126 | 10.0 | 33 | 3.7 | 325.4 | 3141 | 700 |
| 725 | 11.3 | 21 | 2.4 | 319.8 | 2831 | 11.2 | 32 | 3.6 | 323.4 | 2848 | 12.6 | 23 | 2.9 | 322.7 | 2833 | 11.8 | 39 | 4.6 | 327.0 | 2848 | 725 |
| 750 | 12.4 | 70 | 8.5 | 335.6 | 2547 | 12.7 | 44 | 5.4 | 327.2 | 2564 | 13.0 | 33 | 4.1 | 323.7 | 2548 | 13.5 | 44 | 5.7 | 329.0 | 2563 | 750 |
| 775 | 13.5 | 84 | 10.6 | 340.0 | 2271 | 13.3 | 68 | 8.5 | 333.7 | 2288 | 13.9 | 52 | 6.7 | 329.1 | 2272 | 14.2 | 78 | 10.3 | 339.9 | 2287 | 775 |
| 800 | 13.7 | 87 | 10.8 | 337.5 | 2002 | 13.7 | 86 | 10.6 | 337.1 | 2020 | 15.5 | 47 | 6.5 | 327.3 | 2004 | 15.2 | 87 | 11.9 | 342.5 | 2017 | 800 |
| 825 | 14.1 | 94 | 11.7 | 337.4 | 1742 | 15.5 | 89 | 12.0 | 340.0 | 1759 | 17.1 | 37 | 5.6 | 323.8 | 1742 | 15.6 | 93 | 12.7 | 342.1 | 1755 | 825 |
| 850 | 16.0 | 95 | 12.8 | 339.9 | 1488 | 17.1 | 83 | 12.0 | 338.9 | 1504 | 14.7 | 45 | 5.6 | 318.2 | 1489 | 17.7 | 97 | 14.7 | 347.2 | 1500 | 850 |
| 875 | 17.7 | 96 | 14.1 | 342.6 | 1240 | 18.6 | 76 | 11.9 | 337.6 | 1256 | 16.6 | 56 | 7.6 | 323.5 | 1243 | 18.1 | 98 | 14.7 | 344.8 | 1251 | 875 |
| 900 | 19.4 | 96 | 15.4 | 345.5 | 997 | 19.8 | 78 | 12.7 | 338.6 | 1013 | 18.4 | 67 | 10.0 | 329.4 | 1002 | 19.3 | 97 | 15.4 | 345.3 | 1008 | 900 |
| 925 | 21.1 | 97 | 16.8 | 348.5 | 759 | 20.5 | 92 | 15.3 | 343.9 | 775 | 20.2 | 78 | 12.7 | 336.1 | 765 | 20.5 | 97 | 16.1 | 345.9 | 771 | 925 |
| 950 | 22.1 | 97 | 17.3 | 348.6 | 527 | 22.0 | 92 | 16.4 | 345.9 | 543 | 22.0 | 85 | 15.0 | 342.2 | 533 | 21.7 | 96 | 16.8 | 346.5 | 538 | 950 |
| 975 | 23.1 | 96 | 17.9 | 348.7 | 300 | 23.8 | 88 | 17.0 | 347.1 | 316 | 24.3 | 72 | 14.3 | 340.6 | 306 | 24.4 | 95 | 19.2 | 353.9 | 311 | 975 |
| 1000 | 24.1 | 96 | 18.4 | 348.8 | 77 | 26.2 | 75 | 16.3 | 345.9 | 93 | 26.6 | 60 | 13.2 | 337.9 | 83 | 26.2 | 95 | 20.7 | 357.7 | 87 | 1000 |
| SFC. | 24.4 | 96 | 18.6 | 348.8 | 0 | 27.2 | 70 | 15.9 | 345.0 | 0 | 27.5 | 55 | 12.7 | 336.6 | 0 | 26.3 | 95 | 20.7 | 356.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.8 | SURFACE PRESSURE | | | | 1010.5 | SURFACE PRESSURE | | | | 1009.4 | SURFACE PRESSURE | | | | 1009.8 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/26 950 GMT T | RH | W | EPT | H | 3/27 153 GMT T | RH | W | EPT | H | 3/27 6 0 GMT T | RH | W | EPT | H | 3/27 1155 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.3 | 0 | 0.0 | 455.7 | 19542 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.3 | 0 | 0.0 | 462.5 | 19486 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.5 | 0 | 0.0 | 435.7 | 18623 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.0 | 0 | 0.0 | 432.5 | 18566 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 0 | 0.0 | 415.6 | 17828 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.6 | 0 | 0.0 | 413.1 | 17778 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.5 | 17 | .0 | 397.6 | 17140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.3 | 0 | 0.0 | 386.0 | 17097 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.1 | 17 | .0 | 376.9 | 16533 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.7 | 17 | .0 | 371.8 | 16505 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.7 | 17 | .0 | 371.2 | 15985 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 17 | .0 | 369.1 | 15962 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.1 | 17 | .0 | 365.1 | 15480 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 17 | .0 | 363.4 | 15459 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.8 | 17 | .0 | 359.2 | 15012 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.8 | 17 | .0 | 357.3 | 14993 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 17 | .0 | 355.7 | 14574 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 17 | .0 | 353.6 | 14559 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 17 | .0 | 352.5 | 14163 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.4 | 17 | .0 | 352.2 | 14148 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.1 | 17 | .0 | 351.4 | 13772 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.5 | 16 | .0 | 350.8 | 13759 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.1 | 16 | .0 | 350.4 | 13400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.7 | 16 | .0 | 349.4 | 13387 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.2 | 16 | .0 | 349.4 | 13045 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.0 | 16 | .0 | 348.1 | 13033 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.2 | 17 | .0 | 348.9 | 12704 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.5 | 15 | .0 | 346.8 | 12693 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.2 | 17 | .0 | 348.6 | 12375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.2 | 15 | .0 | 345.5 | 12368 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.4 | 19 | .0 | 347.6 | 11605 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.4 | 14 | .0 | 344.5 | 11605 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.1 | 15 | .1 | 343.8 | 10899 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.9 | 13 | .0 | 344.0 | 10901 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.2 | 15 | .1 | 341.7 | 10247 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.4 | 12 | .1 | 341.3 | 10248 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.7 | 16 | .1 | 339.8 | 9640 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.4 | 12 | .1 | 340.2 | 9641 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.6 | 16 | .2 | 338.0 | 9071 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.1 | 13 | .1 | 338.5 | 9071 | 325 |
| 350 | -24.2 | 18 | .3 | 337.2 | 8550 | -24.2 | 16 | .2 | 337.2 | 8536 | -24.5 | 16 | .2 | 336.7 | 8548 | -24.7 | 14 | .2 | 336.3 | 8536 | 350 |
| 375 | -20.2 | 18 | .4 | 336.3 | 8043 | -20.1 | 16 | .3 | 336.4 | 8029 | -20.3 | 17 | .3 | 336.1 | 8041 | -20.8 | 13 | .3 | 335.1 | 8030 | 375 |
| 400 | -16.5 | 18 | .5 | 335.4 | 7561 | -16.2 | 16 | .4 | 335.6 | 7546 | -16.4 | 18 | .5 | 335.5 | 7559 | -17.1 | 13 | .3 | 334.0 | 7550 | 400 |
| 425 | -14.6 | 33 | 1.0 | 333.8 | 7104 | -12.9 | 19 | .6 | 334.7 | 7087 | -13.0 | 21 | .7 | 334.9 | 7100 | -13.3 | 16 | .5 | 333.8 | 7091 | 425 |
| 450 | -11.1 | 31 | 1.1 | 333.4 | 6668 | -10.8 | 24 | .9 | 333.0 | 6649 | -10.0 | 26 | 1.0 | 334.4 | 6662 | -11.4 | 29 | 1.0 | 332.6 | 6654 | 450 |
| 475 | -8.1 | 17 | .7 | 330.7 | 6250 | -7.9 | 26 | 1.2 | 332.3 | 6232 | -8.4 | 39 | 1.7 | 333.4 | 6244 | -9.6 | 41 | 1.6 | 331.7 | 6238 | 475 |
| 500 | -5.7 | 18 | .9 | 329.3 | 5850 | -5.4 | 28 | 1.4 | 331.5 | 5831 | -5.1 | 37 | 1.9 | 333.5 | 5843 | -5.9 | 36 | 1.8 | 332.0 | 5839 | 500 |
| 525 | -3.8 | 29 | 1.6 | 329.3 | 5466 | -3.6 | 32 | 1.8 | 330.2 | 5447 | -3.1 | 33 | 1.9 | 331.3 | 5458 | -4.1 | 37 | 2.0 | 330.4 | 5456 | 525 |
| 550 | -1.7 | 17 | 1.6 | 325.7 | 5098 | -1.8 | 35 | 2.1 | 329.1 | 5078 | -2.0 | 47 | 2.8 | 331.1 | 5089 | -2.2 | 50 | 2.9 | 331.2 | 5087 | 550 |
| 575 | .3 | 40 | 2.7 | 329.4 | 4743 | .7 | 38 | 2.7 | 329.8 | 4722 | .8 | 44 | 3.1 | 331.2 | 4734 | .4 | 48 | 3.2 | 331.1 | 4732 | 575 |
| 600 | 2.1 | 45 | 3.3 | 329.5 | 4400 | 3.5 | 40 | 3.2 | 330.8 | 4379 | 3.4 | 42 | 3.4 | 331.3 | 4390 | 2.4 | 66 | 5.0 | 334.9 | 4389 | 600 |
| 625 | 3.6 | 35 | 2.8 | 325.8 | 4069 | 5.2 | 30 | 2.7 | 327.3 | 4046 | 5.0 | 35 | 3.1 | 328.3 | 4058 | 4.6 | 51 | 4.3 | 331.7 | 4057 | 625 |
| 650 | 5.2 | 48 | 4.1 | 327.8 | 3750 | 6.9 | 23 | 2.2 | 324.0 | 3725 | 6.5 | 29 | 2.7 | 325.2 | 3737 | 6.5 | 19 | 1.7 | 322.3 | 3737 | 650 |
| 675 | 7.2 | 36 | 3.3 | 324.5 | 3441 | 8.5 | 21 | 2.2 | 322.4 | 3414 | 7.9 | 34 | 3.4 | 325.4 | 3426 | 9.0 | 18 | 1.9 | 322.3 | 3426 | 675 |
| 700 | 9.6 | 21 | 2.2 | 320.4 | 3140 | 10.1 | 19 | 2.1 | 320.8 | 3113 | 9.1 | 43 | 4.5 | 326.8 | 3125 | 10.5 | 34 | 3.8 | 326.4 | 3124 | 700 |
| 725 | 11.2 | 37 | 4.2 | 325.2 | 2848 | 11.6 | 31 | 3.6 | 323.9 | 2821 | 10.6 | 61 | 6.7 | 331.7 | 2834 | 11.4 | 60 | 7.0 | 333.6 | 2831 | 725 |
| 750 | 12.4 | 49 | 5.9 | 328.3 | 2565 | 13.0 | 45 | 5.6 | 328.2 | 2536 | 12.3 | 70 | 8.4 | 335.4 | 2550 | 12.8 | 57 | 7.0 | 332.0 | 2547 | 750 |
| 775 | 13.6 | 76 | 9.6 | 337.1 | 2288 | 14.3 | 52 | 6.9 | 330.3 | 2260 | 14.0 | 71 | 9.2 | 336.5 | 2274 | 14.5 | 66 | 8.9 | 336.2 | 2270 | 775 |
| 800 | 14.9 | 81 | 10.3 | 338.9 | 2020 | 15.5 | 55 | 7.7 | 330.8 | 1991 | 15.7 | 71 | 10.0 | 337.6 | 2004 | 15.4 | 80 | 11.1 | 340.4 | 2001 | 800 |
| 825 | 16.2 | 91 | 12.9 | 343.3 | 1758 | 16.7 | 58 | 8.5 | 331.5 | 1729 | 16.1 | 77 | 10.7 | 337.2 | 1742 | 15.8 | 90 | 12.4 | 341.5 | 1739 | 825 |
| 850 | 16.8 | 94 | 13.5 | 342.7 | 1502 | 17.8 | 61 | 9.3 | 332.2 | 1474 | 16.7 | 92 | 13.1 | 341.5 | 1487 | 16.3 | 99 | 13.7 | 342.6 | 1484 | 850 |
| 875 | 17.4 | 95 | 13.7 | 341.2 | 1254 | 18.9 | 64 | 10.1 | 333.1 | 1225 | 18.2 | 92 | 14.0 | 342.9 | 1239 | 18.2 | 95 | 14.5 | 344.3 | 1235 | 875 |
| 900 | 18.8 | 96 | 14.8 | 343.0 | 1012 | 19.9 | 67 | 11.0 | 334.0 | 982 | 19.7 | 92 | 14.9 | 344.4 | 995 | 19.5 | 94 | 15.2 | 345.0 | 992 | 900 |
| 925 | 20.3 | 98 | 16.1 | 345.6 | 775 | 20.5 | 71 | 11.7 | 333.9 | 745 | 21.1 | 92 | 15.8 | 346.0 | 758 | 20.5 | 95 | 15.7 | 344.9 | 755 | 925 |
| 950 | 21.8 | 98 | 17.1 | 347.7 | 543 | 22.4 | 70 | 12.7 | 336.3 | 513 | 22.5 | 90 | 16.6 | 347.1 | 525 | 21.6 | 94 | 16.2 | 344.9 | 523 | 950 |
| 975 | 23.3 | 87 | 16.2 | 344.4 | 315 | 24.2 | 70 | 13.8 | 339.0 | 286 | 24.2 | 84 | 16.7 | 347.0 | 297 | 23.7 | 85 | 16.4 | 345.3 | 295 | 975 |
| 1000 | 25.5 | 89 | 18.6 | 351.2 | 93 | 26.1 | 69 | 14.9 | 341.7 | 63 | 25.9 | 79 | 16.8 | 346.7 | 74 | 25.7 | 89 | 19.0 | 352.4 | 72 | 1000 |
| SFC. | 26.5 | 93 | 20.5 | 356.4 | 0 | 26.6 | 69 | 15.2 | 342.5 | 0 | 26.4 | 77 | 16.8 | 346.5 | 0 | 26.4 | 98 | 21.5 | 359.4 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1007.1 | | | | | SURFACE PRESSURE 1008.4 | | | | | SURFACE PRESSURE 1008.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/27 1754 GMT | | | | | 3/27 2348 GMT | | | | | 3/28 6 0 GMT | | | | | 3/28 1145 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.5 | 0 | 0.0 | 466.5 | 19582 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.2 | 0 | 0.0 | 456.1 | 19528 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.5 | 18 | .0 | 431.6 | 18652 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.2 | 25 | .0 | 427.8 | 18617 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.9 | 19 | .0 | 414.4 | 17864 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.7 | 25 | .0 | 406.7 | 17841 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.3 | 19 | .0 | 399.9 | 17171 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.8 | 26 | .0 | 388.9 | 17161 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.5 | 18 | .0 | 378.0 | 16561 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.4 | 27 | .0 | 376.3 | 16562 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.2 | 18 | .0 | 370.3 | 16013 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.7 | 27 | .0 | 369.4 | 16017 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 18 | .0 | 363.4 | 15509 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.8 | 26 | .0 | 365.6 | 15513 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.5 | 18 | .0 | 357.9 | 15043 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.2 | 25 | .0 | 362.0 | 15043 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.6 | 18 | .0 | 355.5 | 14607 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.3 | 25 | .0 | 357.7 | 14603 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.8 | 18 | .0 | 353.3 | 14195 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.6 | 25 | .0 | 355.4 | 14188 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.3 | 18 | .0 | 351.2 | 13804 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.0 | 25 | .0 | 353.3 | 13796 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.9 | 18 | .0 | 349.1 | 13433 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.6 | 25 | .0 | 351.2 | 13422 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.2 | 18 | .0 | 347.8 | 13079 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.3 | 25 | .0 | 349.3 | 13066 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.2 | 18 | .0 | 347.3 | 12740 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.5 | 25 | .0 | 348.5 | 12725 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.3 | 17 | .0 | 346.9 | 12413 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.8 | 25 | .0 | 347.8 | 12398 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.6 | 17 | .0 | 345.7 | 11647 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.5 | 25 | .1 | 346.1 | 11630 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.4 | 17 | .1 | 344.9 | 10941 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.6 | 21 | .1 | 344.6 | 10925 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.7 | 17 | .1 | 343.9 | 10286 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.3 | 18 | .1 | 343.2 | 10271 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.6 | 17 | .2 | 343.0 | 9675 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.9 | 17 | .1 | 341.0 | 9662 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.8 | 16 | .2 | 340.6 | 9101 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.3 | 17 | .2 | 338.5 | 9092 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.8 | 15 | .2 | 337.6 | 8564 | -25.3 | 24 | .3 | 336.0 | 8570 | -24.8 | 22 | .3 | 336.5 | 8557 | 350 |
| 375 | -18.7 | 16 | .4 | 338.3 | 8047 | -20.3 | 16 | .3 | 336.0 | 8056 | -21.0 | 19 | .4 | 335.3 | 8065 | -20.9 | 22 | .4 | 335.6 | 8051 | 375 |
| 400 | -17.0 | 17 | .4 | 334.6 | 7565 | -17.0 | 16 | .4 | 334.5 | 7575 | -16.9 | 15 | .4 | 334.5 | 7584 | -17.0 | 14 | .4 | 334.3 | 7570 | 400 |
| 425 | -13.7 | 19 | .6 | 333.6 | 7107 | -13.4 | 17 | .6 | 333.9 | 7117 | -13.5 | 16 | .5 | 333.6 | 7126 | -13.2 | 15 | .5 | 333.8 | 7112 | 425 |
| 450 | -10.7 | 21 | .8 | 332.7 | 6670 | -10.0 | 19 | .7 | 333.5 | 6679 | -10.5 | 17 | .6 | 332.5 | 6689 | -11.1 | 26 | 1.0 | 332.8 | 6675 | 450 |
| 475 | -7.8 | 22 | 1.0 | 332.0 | 6252 | -6.8 | 20 | 1.0 | 333.1 | 6260 | -7.8 | 30 | 1.4 | 333.2 | 6271 | -8.1 | 30 | 1.3 | 332.6 | 6258 | 475 |
| 500 | -5.0 | 24 | 1.3 | 331.4 | 5851 | -4.2 | 19 | 1.1 | 331.8 | 5857 | -5.1 | 41 | 2.2 | 334.3 | 5870 | -5.1 | 33 | 1.7 | 332.7 | 5857 | 500 |
| 525 | -2.4 | 26 | 1.6 | 331.0 | 5466 | -1.9 | 19 | 1.2 | 330.4 | 5471 | -2.3 | 39 | 2.4 | 333.9 | 5484 | -3.2 | 42 | 2.4 | 332.8 | 5472 | 525 |
| 550 | -.3 | 32 | 2.1 | 331.0 | 5095 | .3 | 18 | 1.3 | 329.1 | 5100 | .4 | 37 | 2.6 | 333.5 | 5113 | -.3 | 44 | 3.0 | 333.8 | 5102 | 550 |
| 575 | 1.6 | 39 | 2.9 | 331.4 | 4738 | 2.4 | 19 | 1.5 | 328.1 | 4742 | 3.0 | 34 | 2.8 | 333.0 | 4754 | 2.4 | 46 | 3.7 | 335.0 | 4744 | 575 |
| 600 | 3.1 | 52 | 4.1 | 333.2 | 4394 | 3.7 | 35 | 2.9 | 330.0 | 4397 | 4.4 | 68 | 6.0 | 340.3 | 4408 | 3.8 | 71 | 5.9 | 339.6 | 4398 | 600 |
| 625 | 4.9 | 36 | 3.2 | 328.4 | 4062 | 5.4 | 27 | 2.4 | 326.5 | 4065 | 5.8 | 45 | 4.2 | 332.8 | 4074 | 5.5 | 49 | 4.5 | 333.2 | 4065 | 625 |
| 650 | 7.1 | 26 | 2.5 | 325.3 | 3741 | 7.9 | 18 | 1.8 | 324.2 | 3743 | 8.4 | 30 | 3.2 | 329.0 | 3752 | 6.0 | 30 | 2.7 | 324.8 | 3745 | 650 |
| 675 | 9.1 | 31 | 3.3 | 326.6 | 3429 | 10.4 | 19 | 2.2 | 324.8 | 3431 | 10.9 | 34 | 4.1 | 331.2 | 3439 | 9.2 | 24 | 2.6 | 324.6 | 3434 | 675 |
| 700 | 9.0 | 61 | 6.3 | 332.1 | 3128 | 11.4 | 29 | 3.5 | 326.3 | 3128 | 12.2 | 46 | 5.8 | 334.3 | 3135 | 12.1 | 22 | 2.7 | 324.8 | 3131 | 700 |
| 725 | 11.1 | 48 | 5.5 | 328.7 | 2836 | 12.3 | 38 | 4.7 | 327.8 | 2834 | 13.1 | 50 | 6.5 | 334.2 | 2840 | 12.2 | 62 | 7.6 | 336.3 | 2837 | 725 |
| 750 | 13.2 | 47 | 6.0 | 329.5 | 2551 | 13.1 | 47 | 6.0 | 329.3 | 2549 | 14.0 | 57 | 7.7 | 335.5 | 2554 | 13.0 | 61 | 7.7 | 334.1 | 2552 | 750 |
| 775 | 15.2 | 47 | 6.6 | 330.4 | 2275 | 14.6 | 45 | 6.0 | 328.0 | 2273 | 15.0 | 72 | 9.9 | 339.8 | 2276 | 14.3 | 84 | 11.2 | 342.6 | 2275 | 775 |
| 800 | 15.7 | 57 | 8.0 | 332.1 | 2005 | 16.1 | 39 | 5.6 | 325.7 | 2004 | 15.9 | 85 | 12.1 | 343.9 | 2006 | 15.5 | 82 | 11.5 | 341.8 | 2005 | 800 |
| 825 | 16.1 | 68 | 9.5 | 333.7 | 1743 | 17.6 | 34 | 5.2 | 323.3 | 1742 | 16.7 | 95 | 14.0 | 347.1 | 1743 | 16.7 | 79 | 11.4 | 339.9 | 1743 | 825 |
| 850 | 16.4 | 78 | 10.9 | 335.2 | 1488 | 19.0 | 29 | 4.8 | 320.8 | 1486 | 17.5 | 98 | 14.6 | 346.7 | 1487 | 17.9 | 83 | 12.7 | 341.9 | 1487 | 850 |
| 875 | 17.7 | 80 | 11.7 | 336.0 | 1240 | 19.0 | 36 | 5.7 | 320.7 | 1237 | 18.6 | 96 | 15.0 | 346.4 | 1238 | 19.2 | 95 | 15.4 | 348.3 | 1238 | 875 |
| 900 | 19.0 | 80 | 12.4 | 336.8 | 998 | 18.7 | 52 | 7.7 | 323.5 | 995 | 19.7 | 95 | 15.5 | 346.0 | 995 | 19.9 | 96 | 15.7 | 347.0 | 994 | 900 |
| 925 | 20.3 | 80 | 13.1 | 337.6 | 761 | 20.6 | 67 | 11.1 | 332.4 | 759 | 20.7 | 94 | 15.9 | 345.7 | 757 | 20.5 | 97 | 16.0 | 345.7 | 756 | 925 |
| 950 | 21.6 | 80 | 13.8 | 338.4 | 530 | 22.7 | 63 | 11.6 | 333.7 | 527 | 22.4 | 89 | 16.3 | 346.1 | 525 | 21.6 | 97 | 16.8 | 346.6 | 524 | 950 |
| 975 | 23.3 | 77 | 14.3 | 339.3 | 303 | 24.7 | 60 | 12.1 | 334.8 | 300 | 24.4 | 83 | 16.5 | 346.7 | 297 | 23.4 | 97 | 18.3 | 350.2 | 297 | 975 |
| 1000 | 25.2 | 72 | 14.7 | 340.0 | 81 | 26.6 | 56 | 12.4 | 335.7 | 77 | 26.2 | 88 | 19.1 | 353.3 | 73 | 25.1 | 97 | 19.9 | 354.1 | 74 | 1000 |
| SFC. | 25.9 | 70 | 14.8 | 340.2 | 0 | 27.3 | 55 | 12.6 | 336.0 | 0 | 26.7 | 95 | 21.2 | 359.0 | 0 | 25.7 | 97 | 20.4 | 355.4 | 0 | SFC. |
| | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1008.7 | | | | | SURFACE PRESSURE 1008.3 | | | | | SURFACE PRESSURE 1008.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/28 1826 GMT T | RH | W | EPT | H | 3/28 2350 GMT T | RH | W | EPT | H | 3/29 550 GMT T | RH | W | EPT | H | 3/29 1210 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.2 | 0 | 0.0 | 467.1 | 19571 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.1 | 0 | 0.0 | 454.0 | 19482 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.9 | 22 | .0 | 432.7 | 18649 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.0 | 0 | 0.0 | 428.2 | 18575 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.7 | 22 | .0 | 404.6 | 17864 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.2 | 52 | .0 | 399.4 | 17798 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.0 | 23 | .0 | 390.6 | 17187 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.7 | 52 | .0 | 389.3 | 17126 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.3 | 23 | .0 | 378.4 | 16583 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.3 | 52 | .0 | 380.4 | 16521 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.0 | 24 | .0 | 370.8 | 16034 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.0 | 52 | .0 | 368.9 | 15975 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.7 | 25 | .0 | 363.9 | 15530 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 52 | .0 | 363.4 | 15473 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.6 | 25 | .0 | 359.4 | 15063 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.3 | 52 | .0 | 358.3 | 15006 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 25 | .0 | 355.8 | 14625 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.1 | 52 | .0 | 354.7 | 14570 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.7 | 25 | .0 | 353.5 | 14213 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.6 | 52 | .0 | 352.0 | 14159 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.7 | 25 | .0 | 352.1 | 13822 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.3 | 53 | .0 | 349.4 | 13771 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.9 | 25 | .0 | 350.7 | 13449 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.2 | 53 | .0 | 346.9 | 13402 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.3 | 25 | .0 | 349.3 | 13094 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.9 | 53 | .0 | 346.8 | 13049 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.6 | 25 | .0 | 348.4 | 12753 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.4 | 53 | .0 | 347.1 | 12710 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.6 | 27 | .0 | 348.1 | 12425 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.1 | 53 | .1 | 347.4 | 12384 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -46.7 | 29 | .1 | 347.3 | 11656 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.1 | 54 | .1 | 346.9 | 11616 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -40.6 | 32 | .1 | 346.4 | 10948 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.2 | 58 | .2 | 345.8 | 10909 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.0 | 34 | .2 | 345.5 | 10291 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.8 | 63 | .4 | 345.0 | 10254 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.1 | 28 | .3 | 344.1 | 9678 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.9 | 68 | .7 | 344.5 | 9643 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -25.6 | 21 | .3 | 342.6 | 9103 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.3 | 73 | 1.0 | 344.2 | 9069 | 325 |
| 350 | -23.4 | 16 | .3 | 338.3 | 8596 | -21.8 | 43 | .8 | 342.5 | 8561 | -24.7 | 71 | 1.0 | 339.3 | 8507 | -22.1 | 77 | 1.4 | 344.2 | 8529 | 350 |
| 375 | -19.8 | 17 | .3 | 336.7 | 8087 | -19.9 | 18 | .4 | 336.8 | 8052 | -21.4 | 64 | 1.2 | 337.6 | 8002 | -19.2 | 81 | 1.8 | 342.6 | 8018 | 375 |
| 400 | -16.5 | 17 | .4 | 335.3 | 7605 | -16.3 | 16 | .4 | 335.5 | 7570 | -18.3 | 57 | 1.3 | 335.8 | 7523 | -16.9 | 85 | 2.2 | 340.6 | 7535 | 400 |
| 425 | -12.9 | 17 | .6 | 334.6 | 7146 | -12.9 | 29 | 1.0 | 336.0 | 7110 | -15.6 | 65 | 1.7 | 335.0 | 7067 | -14.1 | 83 | 2.5 | 339.5 | 7077 | 425 |
| 450 | -9.8 | 17 | .7 | 333.5 | 6708 | -9.6 | 41 | 1.7 | 337.2 | 6671 | -12.8 | 58 | 1.8 | 333.5 | 6634 | -11.6 | 56 | 2.0 | 335.5 | 6641 | 450 |
| 475 | -7.3 | 18 | .8 | 332.0 | 6289 | -6.5 | 53 | 2.6 | 338.9 | 6251 | -9.5 | 41 | 1.6 | 331.9 | 6219 | -8.4 | 49 | 2.1 | 334.9 | 6224 | 475 |
| 500 | -3.9 | 19 | 1.1 | 332.2 | 5887 | -5.0 | 42 | 2.2 | 334.7 | 5848 | -5.9 | 30 | 1.5 | 331.2 | 5819 | -5.3 | 42 | 2.2 | 334.0 | 5823 | 500 |
| 525 | -1.2 | 23 | 1.6 | 332.5 | 5500 | -2.7 | 36 | 2.1 | 332.5 | 5463 | -2.3 | 26 | 1.6 | 331.2 | 5435 | -4.0 | 78 | 4.2 | 337.5 | 5439 | 525 |
| 550 | 1.3 | 28 | 2.1 | 333.0 | 5127 | -.2 | 37 | 2.5 | 332.3 | 5093 | -1.4 | 43 | 2.7 | 331.5 | 5064 | -2.9 | 82 | 4.6 | 335.4 | 5071 | 550 |
| 575 | 3.3 | 37 | 3.1 | 334.2 | 4768 | 1.7 | 46 | 3.4 | 333.3 | 4736 | -.3 | 66 | 4.3 | 333.6 | 4709 | -.4 | 68 | 4.4 | 333.6 | 4716 | 575 |
| 600 | 4.6 | 50 | 4.5 | 336.0 | 4422 | 2.9 | 72 | 5.6 | 337.5 | 4391 | 1.9 | 52 | 3.8 | 330.4 | 4367 | 2.0 | 37 | 2.7 | 327.5 | 4374 | 600 |
| 625 | 6.5 | 35 | 3.4 | 331.0 | 4088 | 5.2 | 66 | 5.9 | 337.0 | 4059 | 4.1 | 43 | 3.5 | 328.7 | 4036 | 4.5 | 35 | 2.9 | 327.3 | 4043 | 625 |
| 650 | 8.5 | 22 | 2.4 | 326.6 | 3765 | 7.6 | 55 | 5.5 | 335.2 | 3737 | 6.6 | 44 | 4.1 | 329.6 | 3716 | 6.4 | 47 | 4.3 | 330.1 | 3722 | 650 |
| 675 | 10.4 | 30 | 3.5 | 328.8 | 3452 | 10.0 | 44 | 5.0 | 332.8 | 3424 | 8.9 | 44 | 4.7 | 330.6 | 3404 | 6.4 | 76 | 6.8 | 333.7 | 3412 | 675 |
| 700 | 11.9 | 42 | 5.2 | 332.3 | 3148 | 11.7 | 48 | 6.0 | 334.2 | 3121 | 11.1 | 47 | 5.5 | 332.2 | 3102 | 8.9 | 99 | 10.2 | 343.1 | 3112 | 700 |
| 725 | 12.7 | 60 | 7.6 | 336.9 | 2854 | 12.6 | 67 | 8.5 | 339.3 | 2826 | 11.8 | 69 | 8.2 | 337.6 | 2808 | 10.7 | 99 | 11.1 | 344.5 | 2819 | 725 |
| 750 | 13.6 | 75 | 9.9 | 341.2 | 2568 | 13.7 | 71 | 9.3 | 339.7 | 2540 | 10.6 | 85 | 9.1 | 335.2 | 2525 | 12.5 | 99 | 12.1 | 346.1 | 2535 | 750 |
| 775 | 15.2 | 63 | 8.8 | 336.8 | 2290 | 14.7 | 73 | 10.0 | 339.8 | 2263 | 12.1 | 98 | 11.3 | 340.1 | 2250 | 14.1 | 99 | 13.1 | 347.7 | 2258 | 775 |
| 800 | 16.8 | 73 | 11.1 | 342.1 | 2020 | 15.9 | 71 | 10.1 | 338.3 | 1993 | 13.7 | 98 | 12.2 | 341.3 | 1982 | 15.8 | 99 | 14.1 | 349.5 | 1987 | 800 |
| 825 | 18.0 | 72 | 11.5 | 341.8 | 1756 | 17.1 | 68 | 10.2 | 336.8 | 1730 | 14.5 | 98 | 12.5 | 340.0 | 1721 | 17.0 | 92 | 13.7 | 346.8 | 1724 | 825 |
| 850 | 19.0 | 77 | 12.6 | 343.0 | 1499 | 18.2 | 66 | 10.2 | 335.3 | 1475 | 15.8 | 96 | 12.8 | 339.6 | 1467 | 17.7 | 81 | 12.3 | 340.7 | 1468 | 850 |
| 875 | 19.9 | 81 | 13.6 | 344.1 | 1249 | 19.2 | 63 | 10.2 | 333.8 | 1225 | 17.4 | 92 | 13.2 | 339.8 | 1219 | 18.0 | 92 | 13.8 | 342.2 | 1220 | 875 |
| 900 | 20.8 | 83 | 14.5 | 344.7 | 1005 | 19.9 | 76 | 12.4 | 337.9 | 982 | 19.0 | 87 | 13.6 | 339.9 | 977 | 18.9 | 98 | 15.1 | 344.1 | 977 | 900 |
| 925 | 21.9 | 80 | 14.5 | 343.4 | 766 | 21.6 | 75 | 13.4 | 339.8 | 745 | 20.5 | 83 | 13.9 | 339.9 | 740 | 20.7 | 97 | 16.3 | 346.7 | 740 | 925 |
| 950 | 23.0 | 77 | 14.5 | 342.1 | 534 | 23.2 | 75 | 14.3 | 341.8 | 512 | 21.7 | 82 | 14.3 | 340.0 | 508 | 22.4 | 96 | 17.4 | 349.2 | 507 | 950 |
| 975 | 25.1 | 74 | 15.4 | 344.5 | 305 | 25.4 | 69 | 14.6 | 342.8 | 284 | 23.0 | 83 | 15.2 | 341.4 | 282 | 24.4 | 85 | 17.1 | 348.1 | 279 | 975 |
| 1000 | 27.2 | 71 | 16.4 | 347.3 | 81 | 27.6 | 63 | 14.7 | 343.3 | 59 | 25.2 | 87 | 17.9 | 348.8 | 59 | 26.2 | 86 | 18.8 | 352.7 | 56 | 1000 |
| SFC. | 28.0 | 70 | 16.7 | 348.4 | 0 | 28.2 | 61 | 14.8 | 343.4 | 0 | 26.1 | 96 | 20.7 | 357.0 | 0 | 26.7 | 91 | 20.3 | 356.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1009.2 | | SURFACE PRESSURE | | | 1006.7 | | SURFACE PRESSURE | | | 1006.7 | | SURFACE PRESSURE | | | 1006.3 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/29 15 0 GMT T | RH | W | EPT | H | 3/29 1810 GMT T | RH | W | EPT | H | 3/29 2040 GMT T | RH | W | EPT | H | 3/29 2356 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.1 | 0 | 0.0 | 465.2 | 19417 | -62.5 | 0 | 0.0 | 471.0 | 19483 | -67.6 | 0 | 0.0 | 459.7 | 19578 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.1 | 0 | 0.0 | 430.2 | 18495 | -70.0 | 0 | 0.0 | 434.7 | 18551 | -72.3 | 18 | .0 | 429.7 | 18660 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 24 | .0 | 407.8 | 17714 | -73.5 | 10 | .0 | 411.2 | 17763 | -80.0 | 18 | .0 | 397.8 | 17888 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.2 | 24 | .0 | 386.1 | 17038 | -77.3 | 11 | .0 | 390.0 | 17084 | -77.1 | 17 | .0 | 390.3 | 17217 | 90 |
| 100 | -77.5 | 51 | .0 | 378.0 | 16467 | -77.4 | 24 | .0 | 378.2 | 16439 | -76.1 | 11 | .0 | 380.8 | 16478 | -74.6 | 16 | .0 | 383.6 | 16608 | 100 |
| 110 | -77.5 | 51 | .0 | 367.9 | 15921 | -77.4 | 24 | .0 | 368.0 | 15892 | -75.0 | 10 | .0 | 372.6 | 15926 | -73.0 | 16 | .0 | 376.2 | 16052 | 110 |
| 120 | -74.8 | 51 | .0 | 363.7 | 15420 | -76.2 | 24 | .0 | 361.3 | 15393 | -74.0 | 10 | .0 | 365.3 | 15420 | -74.9 | 16 | .0 | 363.5 | 15546 | 120 |
| 130 | -73.6 | 51 | .0 | 357.8 | 14953 | -74.2 | 24 | .0 | 356.6 | 14929 | -74.2 | 10 | .0 | 356.6 | 14953 | -71.6 | 16 | .0 | 361.4 | 15077 | 130 |
| 140 | -71.4 | 51 | .0 | 354.1 | 14518 | -71.6 | 24 | .0 | 353.7 | 14494 | -72.1 | 10 | .0 | 352.9 | 14519 | -68.4 | 16 | .0 | 359.3 | 14636 | 140 |
| 150 | -68.3 | 51 | .0 | 352.6 | 14107 | -68.7 | 24 | .0 | 351.9 | 14084 | -69.2 | 10 | .0 | 350.9 | 14110 | -65.5 | 16 | .0 | 357.3 | 14220 | 150 |
| 160 | -65.9 | 51 | .0 | 350.2 | 13717 | -65.9 | 24 | .0 | 350.1 | 13695 | -66.5 | 10 | .0 | 349.0 | 13722 | -62.8 | 16 | .0 | 355.3 | 13825 | 160 |
| 170 | -64.7 | 51 | .0 | 346.1 | 13349 | -63.3 | 25 | .0 | 348.5 | 13325 | -64.0 | 10 | .0 | 347.2 | 13353 | -60.0 | 16 | .0 | 353.9 | 13449 | 170 |
| 180 | -61.3 | 52 | .0 | 346.2 | 12998 | -60.8 | 25 | .0 | 346.8 | 12971 | -61.7 | 10 | .0 | 345.4 | 13001 | -57.2 | 16 | .0 | 352.8 | 13090 | 180 |
| 190 | -58.0 | 52 | .0 | 346.2 | 12659 | -58.5 | 25 | .0 | 345.3 | 12633 | -58.8 | 10 | .0 | 344.8 | 12664 | -54.5 | 16 | .0 | 351.7 | 12745 | 190 |
| 200 | -54.9 | 53 | .1 | 346.2 | 12334 | -55.8 | 25 | .0 | 344.5 | 12309 | -55.9 | 10 | .0 | 344.4 | 12340 | -51.8 | 16 | .0 | 350.8 | 12415 | 200 |
| 225 | -47.7 | 53 | .1 | 345.9 | 11569 | -49.0 | 25 | .0 | 343.7 | 11548 | -49.2 | 10 | .0 | 343.2 | 11579 | -45.0 | 17 | .1 | 349.8 | 11640 | 225 |
| 250 | -41.5 | 55 | .2 | 345.3 | 10863 | -42.9 | 23 | .1 | 342.7 | 10846 | -43.2 | 10 | .0 | 341.9 | 10879 | -38.9 | 18 | .1 | 348.7 | 10926 | 250 |
| 275 | -36.1 | 58 | .4 | 344.4 | 10209 | -37.6 | 16 | .1 | 341.1 | 10196 | -37.8 | 10 | .1 | 340.6 | 10229 | -34.5 | 27 | .2 | 346.1 | 10266 | 275 |
| 300 | -31.2 | 61 | .6 | 343.6 | 9599 | -33.0 | 36 | .3 | 340.0 | 9590 | -32.9 | 10 | .1 | 339.3 | 9624 | -30.1 | 33 | .3 | 344.4 | 9652 | 300 |
| 325 | -27.2 | 65 | .8 | 342.3 | 9026 | -28.7 | 51 | .6 | 339.2 | 9022 | -28.9 | 27 | .3 | 338.1 | 9055 | -26.3 | 42 | .6 | 342.7 | 9078 | 325 |
| 350 | -24.3 | 70 | 1.1 | 340.0 | 8489 | -24.6 | 51 | .8 | 338.5 | 8487 | -24.9 | 38 | .6 | 337.3 | 8521 | -22.8 | 51 | .9 | 341.3 | 8538 | 350 |
| 375 | -20.8 | 71 | 1.4 | 339.1 | 7983 | -21.5 | 57 | 1.0 | 337.0 | 7982 | -20.4 | 28 | .6 | 336.7 | 8015 | -18.8 | 48 | 1.1 | 340.9 | 8028 | 375 |
| 400 | -17.5 | 72 | 1.7 | 338.4 | 7502 | -18.6 | 63 | 1.4 | 335.8 | 7503 | -17.8 | 32 | .7 | 334.6 | 7534 | -15.6 | 48 | 1.4 | 339.7 | 7543 | 400 |
| 425 | -14.6 | 74 | 2.1 | 337.7 | 7045 | -15.6 | 70 | 1.9 | 335.5 | 7048 | -15.2 | 28 | .8 | 332.4 | 7079 | -13.3 | 22 | .7 | 334.6 | 7084 | 425 |
| 450 | -12.4 | 83 | 2.7 | 336.8 | 6610 | -14.1 | 38 | 1.1 | 329.4 | 6616 | -11.9 | 15 | .5 | 330.3 | 6644 | -10.0 | 19 | .7 | 333.4 | 6646 | 450 |
| 475 | -10.5 | 55 | 2.0 | 331.7 | 6195 | -10.4 | 35 | 1.3 | 329.7 | 6203 | -8.5 | 11 | .4 | 329.1 | 6228 | -6.8 | 20 | 1.0 | 333.1 | 6227 | 475 |
| 500 | -6.6 | 39 | 1.8 | 331.3 | 5797 | -6.9 | 34 | 1.6 | 330.2 | 5805 | -5.1 | 11 | .6 | 329.1 | 5827 | -3.7 | 20 | 1.2 | 332.8 | 5824 | 500 |
| 525 | -2.9 | 29 | 1.7 | 330.9 | 5413 | -3.5 | 34 | 1.9 | 330.7 | 5422 | -2.2 | 14 | .9 | 329.0 | 5442 | -1.2 | 27 | 1.8 | 333.3 | 5437 | 525 |
| 550 | .2 | 24 | 1.7 | 330.2 | 5042 | -1.0 | 37 | 2.4 | 330.9 | 5052 | -.0 | 21 | 1.5 | 329.2 | 5071 | .3 | 44 | 3.1 | 334.9 | 5065 | 550 |
| 575 | .8 | 42 | 3.0 | 330.9 | 4686 | .4 | 46 | 3.1 | 330.7 | 4696 | -.1 | 35 | 2.3 | 327.6 | 4714 | .7 | 39 | 2.7 | 329.8 | 4709 | 575 |
| 600 | 1.5 | 64 | 4.6 | 332.5 | 4343 | .6 | 65 | 4.3 | 330.7 | 4354 | 1.3 | 33 | 2.3 | 325.3 | 4373 | 3.3 | 32 | 2.6 | 328.6 | 4365 | 600 |
| 625 | 1.7 | 68 | 4.7 | 329.4 | 4014 | 2.0 | 69 | 4.9 | 330.1 | 4026 | 4.1 | 21 | 1.8 | 323.1 | 4043 | 5.8 | 26 | 2.4 | 327.0 | 4033 | 625 |
| 650 | 4.4 | 99 | 8.0 | 338.5 | 3695 | 4.4 | 61 | 4.9 | 329.4 | 3707 | 6.6 | 18 | 1.7 | 322.2 | 3723 | 8.9 | 27 | 2.9 | 328.8 | 3710 | 650 |
| 675 | 6.5 | 99 | 9.0 | 340.2 | 3386 | 6.3 | 61 | 5.4 | 329.6 | 3398 | 8.8 | 23 | 2.4 | 323.3 | 3412 | 10.5 | 39 | 4.6 | 332.2 | 3396 | 675 |
| 700 | 8.1 | 99 | 9.7 | 340.6 | 3085 | 8.1 | 63 | 6.2 | 330.5 | 3099 | 9.3 | 49 | 5.2 | 329.0 | 3111 | 12.1 | 49 | 6.2 | 335.4 | 3093 | 700 |
| 725 | 9.3 | 99 | 10.1 | 339.9 | 2794 | 9.8 | 66 | 6.9 | 331.4 | 2808 | 10.8 | 52 | 5.8 | 329.2 | 2819 | 13.5 | 49 | 6.5 | 334.6 | 2798 | 725 |
| 750 | 10.5 | 99 | 10.6 | 339.2 | 2511 | 11.5 | 68 | 7.8 | 332.6 | 2525 | 12.2 | 54 | 6.4 | 329.5 | 2535 | 14.9 | 48 | 6.8 | 333.9 | 2511 | 750 |
| 775 | 11.7 | 97 | 10.9 | 338.4 | 2236 | 13.1 | 64 | 7.9 | 331.8 | 2249 | 14.1 | 31 | 4.0 | 321.5 | 2259 | 15.5 | 48 | 6.9 | 331.7 | 2233 | 775 |
| 800 | 13.4 | 85 | 10.4 | 335.9 | 1969 | 15.0 | 56 | 7.5 | 329.9 | 1981 | 15.3 | 37 | 5.1 | 323.2 | 1991 | 16.0 | 61 | 8.8 | 334.6 | 1963 | 800 |
| 825 | 15.1 | 74 | 9.7 | 333.1 | 1709 | 15.9 | 68 | 9.4 | 333.3 | 1719 | 16.3 | 51 | 7.2 | 327.6 | 1730 | 16.3 | 77 | 10.9 | 338.0 | 1701 | 825 |
| 850 | 16.3 | 76 | 10.5 | 334.0 | 1454 | 16.7 | 76 | 10.7 | 334.9 | 1465 | 16.8 | 42 | 5.9 | 321.6 | 1475 | 17.3 | 87 | 12.8 | 341.4 | 1446 | 850 |
| 875 | 17.4 | 83 | 12.0 | 336.4 | 1207 | 17.5 | 80 | 11.6 | 335.6 | 1217 | 18.2 | 49 | 7.4 | 324.6 | 1228 | 18.6 | 86 | 13.3 | 341.6 | 1197 | 875 |
| 900 | 18.4 | 90 | 13.5 | 339.0 | 965 | 18.4 | 84 | 12.6 | 336.4 | 975 | 19.5 | 56 | 8.9 | 327.8 | 985 | 19.9 | 85 | 13.9 | 341.9 | 954 | 900 |
| 925 | 20.0 | 89 | 14.3 | 340.4 | 728 | 19.5 | 87 | 13.5 | 337.5 | 739 | 20.8 | 64 | 10.7 | 331.6 | 749 | 21.1 | 84 | 14.5 | 342.3 | 716 | 925 |
| 950 | 21.7 | 86 | 14.9 | 341.5 | 496 | 21.2 | 85 | 14.3 | 339.2 | 507 | 21.9 | 76 | 13.4 | 337.6 | 517 | 18.7 | 77 | 11.1 | 327.5 | 486 | 950 |
| 975 | 23.3 | 84 | 15.6 | 342.7 | 269 | 22.9 | 83 | 15.1 | 340.9 | 281 | 24.3 | 72 | 14.3 | 340.6 | 290 | 19.5 | 73 | 10.8 | 325.2 | 263 | 975 |
| 1000 | 25.5 | 90 | 18.8 | 351.7 | 47 | 24.5 | 81 | 15.9 | 342.6 | 59 | 26.8 | 67 | 15.1 | 343.3 | 66 | 20.3 | 70 | 10.5 | 323.0 | 44 | 1000 |
| SFC. | 26.2 | 94 | 20.4 | 356.5 | 0 | 24.9 | 81 | 16.2 | 343.0 | 0 | 27.5 | 66 | 15.3 | 344.0 | 0 | 20.5 | 69 | 10.5 | 322.5 | 0 | SFC. |
| | SURFACE PRESSURE 1005.3 | | | | | SURFACE PRESSURE 1006.7 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1005.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 3/30 314 GMT | | | | | 3/30 630 GMT | | | | | 3/30 845 GMT | | | | | 3/30 1212 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -63.5 | 0 | 0.0 | 468.8 | 19560 | -65.9 | 0 | 0.0 | 463.4 | 19523 | -65.7 | 0 | 0.0 | 463.9 | 19516 | -65.1 | 0 | 0.0 | 465.2 | 19437 | 60 |
| 70 | -74.2 | 23 | .0 | 425.8 | 18629 | -70.7 | 0 | 0.0 | 433.1 | 18592 | -75.2 | 39 | .0 | 423.6 | 18599 | -75.6 | 0 | 0.0 | 422.7 | 18499 | 70 |
| 80 | -77.5 | 24 | .0 | 402.9 | 17854 | -76.3 | 39 | .0 | 405.4 | 17810 | -77.5 | 38 | .0 | 402.9 | 17822 | -77.9 | 43 | .0 | 402.1 | 17722 | 80 |
| 90 | -78.7 | 24 | .0 | 387.2 | 17186 | -79.4 | 39 | .0 | 385.8 | 17141 | -79.9 | 38 | .0 | 384.7 | 17156 | -80.2 | 43 | .0 | 384.3 | 17053 | 90 |
| 100 | -76.1 | 24 | .0 | 380.7 | 16582 | -79.2 | 38 | .0 | 374.7 | 16543 | -78.0 | 38 | .0 | 377.1 | 16557 | -81.0 | 43 | .0 | 371.3 | 16459 | 100 |
| 110 | -75.1 | 24 | .0 | 372.4 | 16030 | -77.7 | 38 | .0 | 367.5 | 15999 | -77.3 | 38 | .0 | 368.2 | 16012 | -78.3 | 43 | .0 | 366.3 | 15919 | 110 |
| 120 | -76.5 | 24 | .0 | 360.7 | 15527 | -76.3 | 38 | .0 | 361.0 | 15499 | -74.1 | 38 | .0 | 365.0 | 15509 | -75.8 | 43 | .0 | 361.9 | 15419 | 120 |
| 130 | -73.0 | 24 | .0 | 358.7 | 15062 | -72.9 | 38 | .0 | 358.9 | 15034 | -71.2 | 38 | .0 | 362.0 | 15039 | -73.6 | 43 | .0 | 357.7 | 14954 | 130 |
| 140 | -69.8 | 24 | .0 | 356.8 | 14624 | -69.8 | 37 | .0 | 356.9 | 14596 | -68.5 | 38 | .0 | 359.2 | 14598 | -71.5 | 43 | .0 | 353.9 | 14519 | 140 |
| 150 | -66.9 | 24 | .0 | 355.0 | 14210 | -66.9 | 37 | .0 | 354.9 | 14182 | -66.0 | 38 | .0 | 356.5 | 14182 | -68.9 | 43 | .0 | 351.5 | 14109 | 150 |
| 160 | -64.1 | 24 | .0 | 353.2 | 13818 | -64.2 | 37 | .0 | 353.1 | 13790 | -63.6 | 38 | .0 | 354.0 | 13788 | -65.8 | 43 | .0 | 350.3 | 13720 | 160 |
| 170 | -61.5 | 24 | .0 | 351.5 | 13444 | -61.6 | 36 | .0 | 351.3 | 13417 | -61.4 | 38 | .0 | 351.7 | 13414 | -62.9 | 43 | .0 | 349.2 | 13349 | 170 |
| 180 | -59.0 | 24 | .0 | 349.8 | 13088 | -59.2 | 36 | .0 | 349.5 | 13060 | -58.9 | 38 | .0 | 350.0 | 13058 | -60.1 | 43 | .0 | 348.0 | 12995 | 180 |
| 190 | -56.2 | 24 | .0 | 349.0 | 12747 | -56.8 | 36 | .0 | 348.1 | 12720 | -56.1 | 38 | .0 | 349.3 | 12716 | -57.3 | 43 | .0 | 347.2 | 12655 | 190 |
| 200 | -53.5 | 25 | .0 | 348.2 | 12419 | -54.4 | 35 | .0 | 346.8 | 12393 | -53.3 | 38 | .1 | 348.5 | 12388 | -54.6 | 43 | .0 | 346.5 | 12329 | 200 |
| 225 | -46.7 | 25 | .1 | 347.2 | 11650 | -47.7 | 36 | .1 | 345.7 | 11627 | -47.1 | 37 | .1 | 346.7 | 11619 | -48.5 | 47 | .1 | 344.6 | 11565 | 225 |
| 250 | -40.2 | 24 | .1 | 346.7 | 10941 | -41.7 | 37 | .1 | 344.7 | 10922 | -41.8 | 52 | .2 | 344.7 | 10913 | -43.2 | 62 | .2 | 342.8 | 10864 | 250 |
| 275 | -34.4 | 24 | .2 | 346.1 | 10283 | -36.5 | 49 | .3 | 343.5 | 10269 | -36.3 | 63 | .4 | 344.2 | 10260 | -37.9 | 78 | .4 | 342.0 | 10214 | 275 |
| 300 | -30.3 | 47 | .5 | 344.7 | 9669 | -31.0 | 57 | .5 | 343.8 | 9659 | -31.9 | 80 | .7 | 343.2 | 9651 | -32.7 | 92 | .8 | 342.2 | 9608 | 300 |
| 325 | -26.0 | 49 | .7 | 343.5 | 9094 | -27.2 | 84 | 1.1 | 343.2 | 9087 | -27.4 | 70 | .9 | 342.3 | 9080 | -28.5 | 86 | 1.0 | 341.1 | 9039 | 325 |
| 350 | -22.0 | 49 | .9 | 342.6 | 8553 | -24.0 | 78 | 1.2 | 340.9 | 8549 | -23.2 | 60 | 1.0 | 341.3 | 8542 | -24.4 | 62 | .9 | 339.3 | 8504 | 350 |
| 375 | -18.8 | 57 | 1.3 | 341.5 | 8042 | -19.9 | 64 | 1.4 | 340.2 | 8041 | -19.8 | 27 | .6 | 337.6 | 8033 | -20.9 | 43 | .8 | 337.0 | 7997 | 375 |
| 400 | -16.4 | 58 | 1.5 | 339.2 | 7559 | -16.1 | 79 | 2.2 | 341.7 | 7559 | -16.0 | 34 | .9 | 337.7 | 7550 | -17.5 | 41 | 1.0 | 335.9 | 7517 | 400 |
| 425 | -13.7 | 42 | 1.3 | 336.2 | 7100 | -13.6 | 51 | 1.6 | 337.2 | 7100 | -13.7 | 54 | 1.7 | 337.3 | 7091 | -14.9 | 46 | 1.3 | 334.6 | 7061 | 425 |
| 450 | -10.6 | 19 | .7 | 332.7 | 6663 | -10.7 | 33 | 1.2 | 334.2 | 6663 | -11.4 | 32 | 1.1 | 332.9 | 6655 | -11.9 | 33 | 1.1 | 332.3 | 6626 | 450 |
| 475 | -7.6 | 22 | 1.0 | 332.1 | 6245 | -7.5 | 25 | 1.1 | 332.8 | 6244 | -8.5 | 33 | 1.4 | 332.3 | 6238 | -8.9 | 29 | 1.2 | 331.2 | 6209 | 475 |
| 500 | -4.8 | 24 | 1.3 | 331.7 | 5843 | -4.7 | 40 | 2.2 | 334.8 | 5843 | -5.9 | 36 | 1.8 | 332.1 | 5838 | -6.1 | 25 | 1.2 | 330.0 | 5810 | 500 |
| 525 | -2.8 | 40 | 2.4 | 333.2 | 5458 | -3.4 | 63 | 3.6 | 336.4 | 5457 | -4.0 | 63 | 3.4 | 334.9 | 5454 | -4.5 | 42 | 2.2 | 330.5 | 5427 | 525 |
| 550 | -.4 | 52 | 3.5 | 335.4 | 5088 | -1.5 | 77 | 4.8 | 337.9 | 5088 | -1.9 | 60 | 3.6 | 333.7 | 5085 | -3.2 | 60 | 3.3 | 331.1 | 5059 | 550 |
| 575 | 1.3 | 64 | 4.7 | 336.8 | 4730 | .8 | 80 | 5.7 | 339.1 | 4731 | .4 | 35 | 2.4 | 328.5 | 4730 | -.8 | 35 | 2.2 | 326.3 | 4706 | 575 |
| 600 | 3.5 | 58 | 4.8 | 335.7 | 4386 | 2.7 | 71 | 5.5 | 336.7 | 4388 | 2.2 | 58 | 4.3 | 332.6 | 4388 | 1.0 | 42 | 2.9 | 326.7 | 4365 | 600 |
| 625 | 6.0 | 35 | 3.2 | 330.1 | 4053 | 5.0 | 37 | 3.2 | 328.8 | 4056 | 4.5 | 32 | 2.7 | 326.6 | 4056 | 3.3 | 30 | 2.4 | 324.1 | 4035 | 625 |
| 650 | 8.2 | 25 | 2.6 | 326.8 | 3731 | 7.5 | 49 | 4.9 | 333.3 | 3734 | 6.7 | 35 | 3.3 | 327.4 | 3736 | 5.9 | 35 | 3.1 | 325.7 | 3716 | 650 |
| 675 | 9.6 | 52 | 5.8 | 334.8 | 3418 | 9.9 | 60 | 6.8 | 338.2 | 3421 | 7.9 | 75 | 7.4 | 337.4 | 3424 | 7.3 | 63 | 6.0 | 332.4 | 3405 | 675 |
| 700 | 11.5 | 53 | 6.5 | 335.5 | 3115 | 10.8 | 72 | 8.4 | 340.5 | 3118 | 9.7 | 72 | 7.8 | 337.1 | 3123 | 8.5 | 73 | 7.3 | 334.2 | 3105 | 700 |
| 725 | 13.2 | 55 | 7.2 | 336.3 | 2820 | 11.9 | 65 | 7.9 | 336.8 | 2824 | 11.6 | 58 | 6.9 | 333.5 | 2830 | 11.2 | 49 | 5.6 | 329.3 | 2813 | 725 |
| 750 | 14.9 | 56 | 8.0 | 337.3 | 2534 | 13.6 | 50 | 6.6 | 331.7 | 2539 | 13.5 | 45 | 5.8 | 329.2 | 2545 | 11.6 | 67 | 7.7 | 332.4 | 2529 | 750 |
| 775 | 16.6 | 46 | 7.1 | 333.6 | 2255 | 15.9 | 51 | 7.4 | 333.8 | 2262 | 14.9 | 54 | 7.5 | 332.7 | 2268 | 13.5 | 37 | 4.7 | 322.9 | 2254 | 775 |
| 800 | 18.0 | 49 | 8.0 | 334.8 | 1984 | 17.7 | 52 | 8.2 | 335.0 | 1991 | 16.5 | 46 | 6.8 | 329.7 | 1998 | 14.9 | 53 | 7.1 | 328.3 | 1986 | 800 |
| 825 | 19.8 | 30 | 5.2 | 325.9 | 1719 | 18.2 | 54 | 8.6 | 333.7 | 1727 | 17.3 | 72 | 10.9 | 339.2 | 1736 | 15.9 | 92 | 12.8 | 342.7 | 1724 | 825 |
| 850 | 20.9 | 34 | 6.3 | 327.4 | 1462 | 18.6 | 66 | 10.5 | 336.6 | 1471 | 18.2 | 78 | 12.2 | 341.0 | 1479 | 17.1 | 94 | 13.7 | 343.8 | 1469 | 850 |
| 875 | 21.9 | 47 | 8.8 | 333.0 | 1211 | 18.9 | 92 | 14.6 | 345.4 | 1221 | 18.7 | 91 | 14.1 | 344.0 | 1230 | 18.5 | 90 | 13.9 | 343.1 | 1220 | 875 |
| 900 | 22.7 | 60 | 11.8 | 339.7 | 965 | 20.1 | 91 | 15.2 | 345.9 | 977 | 19.9 | 87 | 14.3 | 343.0 | 987 | 19.9 | 83 | 13.7 | 341.5 | 977 | 900 |
| 925 | 23.6 | 74 | 14.8 | 346.5 | 726 | 21.4 | 91 | 15.9 | 346.5 | 739 | 21.3 | 89 | 15.5 | 345.5 | 749 | 20.8 | 90 | 15.1 | 343.7 | 739 | 925 |
| 950 | 24.4 | 87 | 17.9 | 353.4 | 491 | 22.6 | 90 | 16.6 | 347.1 | 507 | 22.9 | 96 | 18.0 | 351.4 | 516 | 21.6 | 96 | 16.6 | 346.0 | 507 | 950 |
| 975 | 26.3 | 81 | 18.1 | 353.7 | 262 | 24.5 | 84 | 16.9 | 347.8 | 279 | 25.0 | 92 | 19.1 | 354.5 | 287 | 23.3 | 90 | 16.9 | 346.2 | 280 | 975 |
| 1000 | 28.2 | 73 | 17.9 | 352.8 | 37 | 26.4 | 89 | 19.6 | 354.9 | 55 | 27.0 | 88 | 20.2 | 357.5 | 63 | 25.6 | 88 | 18.6 | 351.2 | 57 | 1000 |
| SFC. | 28.5 | 72 | 17.9 | 352.6 | 0 | 26.8 | 91 | 20.5 | 357.3 | 0 | 27.6 | 87 | 20.5 | 358.4 | 0 | 26.4 | 96 | 21.1 | 358.5 | 0 | SFC. |
| | SURFACE PRESSURE 1004.1 | | | | | SURFACE PRESSURE 1006.2 | | | | | SURFACE PRESSURE 1007.1 | | | | | SURFACE PRESSURE 1006.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 3/30 1745 GMT T | RH | W | EPT | H | 3/31 0 4 GMT T | RH | W | EPT | H | 3/31 555 GMT T | RH | W | EPT | H | 4/ 1 1321 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.8 | 0 | 0.0 | 470.4 | 19609 | -61.1 | 0 | 0.0 | 474.1 | 19433 | -64.6 | 0 | 0.0 | 466.3 | 19442 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -70.4 | 0 | 0.0 | 433.8 | 18666 | -70.5 | 0 | 0.0 | 433.6 | 18491 | -68.4 | 0 | 0.0 | 438.0 | 18510 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -73.7 | 35 | .0 | 410.7 | 17885 | -75.9 | 20 | .0 | 406.3 | 17715 | -76.3 | 55 | .0 | 405.4 | 17729 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -78.9 | 35 | .0 | 386.9 | 17205 | -77.0 | 20 | .0 | 390.6 | 17036 | -77.1 | 55 | .0 | 390.4 | 17051 | -79.1 | 0 | 0.0 | 386.4 | 17079 | 90 |
| 100 | -77.3 | 35 | .0 | 378.4 | 16603 | -78.0 | 20 | .0 | 377.1 | 16433 | -82.3 | 55 | .0 | 368.8 | 16451 | -76.0 | 0 | 0.0 | 380.9 | 16475 | 100 |
| 110 | -76.5 | 35 | .0 | 369.7 | 16057 | -78.8 | 20 | .0 | 365.5 | 15890 | -79.2 | 55 | .0 | 364.7 | 15914 | -80.6 | 0 | 0.0 | 361.9 | 15936 | 110 |
| 120 | -72.8 | 35 | .0 | 367.5 | 15551 | -74.7 | 20 | .0 | 363.9 | 15389 | -76.3 | 55 | .0 | 360.9 | 15416 | -77.9 | 0 | 0.0 | 358.1 | 15442 | 120 |
| 130 | -69.4 | 36 | .0 | 365.3 | 15077 | -71.0 | 20 | .0 | 362.4 | 14920 | -73.7 | 55 | .0 | 357.5 | 14952 | -75.4 | 0 | 0.0 | 354.4 | 14982 | 130 |
| 140 | -66.2 | 36 | .0 | 363.3 | 14631 | -70.2 | 20 | .0 | 356.2 | 14480 | -71.3 | 55 | .0 | 354.2 | 14517 | -73.1 | 0 | 0.0 | 351.1 | 14550 | 140 |
| 150 | -63.6 | 36 | .0 | 360.7 | 14210 | -69.4 | 20 | .0 | 350.6 | 14069 | -69.1 | 55 | .0 | 351.2 | 14107 | -70.9 | 0 | 0.0 | 348.0 | 14144 | 150 |
| 160 | -62.4 | 38 | .0 | 356.0 | 13813 | -67.8 | 20 | .0 | 346.9 | 13683 | -67.0 | 55 | .0 | 348.3 | 13719 | -67.7 | 0 | 0.0 | 346.9 | 13759 | 160 |
| 170 | -60.6 | 39 | .0 | 352.9 | 13438 | -64.3 | 20 | .0 | 346.8 | 13315 | -65.0 | 55 | .0 | 345.7 | 13351 | -64.6 | 0 | 0.0 | 346.1 | 13391 | 170 |
| 180 | -58.5 | 40 | .0 | 350.8 | 13080 | -60.9 | 20 | .0 | 346.7 | 12963 | -61.9 | 55 | .0 | 345.1 | 13000 | -61.6 | 0 | 0.0 | 345.4 | 13040 | 180 |
| 190 | -56.4 | 41 | .0 | 348.7 | 12738 | -57.8 | 20 | .0 | 346.3 | 12624 | -58.7 | 56 | .0 | 345.1 | 12663 | -58.1 | 0 | 0.0 | 345.8 | 12702 | 190 |
| 200 | -54.4 | 41 | .0 | 346.8 | 12411 | -55.0 | 22 | .0 | 345.7 | 12299 | -55.6 | 56 | .1 | 345.0 | 12339 | -54.8 | 0 | 0.0 | 346.0 | 12376 | 200 |
| 225 | -48.5 | 44 | .1 | 344.7 | 11648 | -48.6 | 24 | .0 | 344.2 | 11535 | -48.6 | 57 | .1 | 344.5 | 11576 | -47.5 | 0 | 0.0 | 345.7 | 11610 | 225 |
| 250 | -42.0 | 48 | .2 | 344.4 | 10945 | -42.9 | 26 | .1 | 342.7 | 10834 | -42.8 | 62 | .2 | 343.3 | 10874 | -41.3 | 0 | 0.0 | 344.7 | 10905 | 250 |
| 275 | -36.2 | 51 | .3 | 344.1 | 10291 | -37.7 | 29 | .2 | 341.3 | 10183 | -37.7 | 67 | .4 | 342.1 | 10224 | -35.7 | M | M | M | 10250 | 275 |
| 300 | -31.2 | 57 | .5 | 343.6 | 9681 | -32.9 | 30 | .2 | 340.0 | 9577 | -32.9 | 69 | .6 | 341.1 | 9618 | -30.6 | M | M | M | 9638 | 300 |
| 325 | -26.7 | 64 | .8 | 343.1 | 9108 | -28.6 | 32 | .4 | 338.7 | 9009 | -28.5 | 70 | .8 | 340.4 | 9049 | -25.9 | M | M | M | 9064 | 325 |
| 350 | -22.6 | 70 | 1.2 | 342.9 | 8568 | -24.5 | 34 | .5 | 337.7 | 8473 | -24.4 | 72 | 1.1 | 339.9 | 8514 | -21.5 | M | M | M | 8522 | 350 |
| 375 | -19.4 | 69 | 1.5 | 341.4 | 8059 | -20.8 | 35 | .7 | 336.7 | 7967 | -21.3 | 84 | 1.6 | 339.0 | 8007 | -17.6 | M | M | M | 8010 | 375 |
| 400 | -16.4 | 68 | 1.8 | 340.1 | 7576 | -17.9 | 42 | 1.0 | 335.3 | 7487 | -18.1 | 63 | 1.4 | 336.6 | 7528 | -14.9 | M | M | M | 7524 | 400 |
| 425 | -12.6 | 42 | 1.4 | 337.9 | 7116 | -15.2 | 33 | .9 | 332.7 | 7032 | -14.5 | 33 | 1.0 | 333.9 | 7071 | -11.9 | M | M | M | 7063 | 425 |
| 450 | -9.6 | 33 | 1.3 | 335.9 | 6677 | -11.7 | 17 | .6 | 330.7 | 6597 | -11.7 | 35 | 1.2 | 332.8 | 6636 | -9.1 | M | M | M | 6623 | 450 |
| 475 | -8.3 | 46 | 2.0 | 334.6 | 6258 | -8.4 | 13 | .6 | 329.7 | 6180 | -8.9 | 12 | .5 | 328.7 | 6219 | -6.3 | M | M | M | 6203 | 475 |
| 500 | -4.8 | 36 | 1.9 | 333.9 | 5857 | -6.0 | 19 | .9 | 329.0 | 5780 | -7.4 | 20 | .9 | 327.1 | 5822 | -5.3 | M | M | M | 5801 | 500 |
| 525 | -3.0 | 45 | 2.6 | 333.7 | 5472 | -4.6 | 29 | 1.5 | 328.2 | 5397 | -4.3 | 33 | 1.7 | 329.3 | 5439 | -3.8 | M | M | M | 5418 | 525 |
| 550 | -.3 | 34 | 2.3 | 331.5 | 5101 | -3.2 | 16 | .9 | 323.4 | 5030 | -1.7 | 40 | 2.5 | 330.4 | 5071 | -1.7 | M | M | M | 5049 | 550 |
| 575 | 1.4 | 28 | 2.1 | 328.8 | 4744 | -1.7 | 20 | 1.2 | 322.1 | 4678 | .2 | 31 | 2.0 | 327.1 | 4716 | .3 | M | M | M | 4694 | 575 |
| 600 | 4.1 | 25 | 2.2 | 328.2 | 4400 | .1 | 29 | 1.8 | 322.5 | 4338 | 1.7 | 38 | 2.7 | 327.1 | 4373 | 2.9 | M | M | M | 4352 | 600 |
| 625 | 6.6 | 23 | 2.2 | 327.5 | 4067 | 3.9 | 21 | 1.7 | 322.6 | 4009 | 4.4 | 48 | 4.0 | 330.6 | 4043 | 5.2 | M | M | M | 4021 | 625 |
| 650 | 9.0 | 20 | 2.2 | 326.7 | 3744 | 6.0 | 13 | 1.2 | 319.8 | 3689 | 7.0 | 28 | 2.7 | 325.8 | 3721 | 7.0 | M | M | M | 3700 | 650 |
| 675 | 10.4 | 39 | 4.5 | 331.9 | 3430 | 7.3 | 31 | 2.9 | 323.4 | 3380 | 7.9 | 48 | 4.7 | 329.5 | 3411 | 8.8 | M | M | M | 3389 | 675 |
| 700 | 11.4 | 60 | 7.3 | 337.9 | 3127 | 8.7 | 46 | 4.6 | 326.7 | 3080 | 9.7 | 49 | 5.3 | 329.9 | 3109 | 10.3 | M | M | M | 3088 | 700 |
| 725 | 12.9 | 65 | 8.5 | 339.6 | 2832 | 10.8 | 41 | 4.6 | 325.8 | 2788 | 11.5 | 50 | 5.9 | 330.5 | 2817 | 11.5 | M | M | M | 2796 | 725 |
| 750 | 14.9 | 51 | 7.2 | 335.1 | 2546 | 12.8 | 36 | 4.5 | 324.7 | 2504 | 13.3 | 51 | 6.6 | 331.2 | 2532 | 12.6 | M | M | M | 2513 | 750 |
| 775 | 16.5 | 43 | 6.5 | 331.8 | 2267 | 14.3 | 39 | 5.1 | 325.1 | 2228 | 14.7 | 57 | 7.7 | 333.2 | 2255 | 13.7 | M | M | M | 2238 | 775 |
| 800 | 17.5 | 51 | 8.1 | 334.4 | 1996 | 15.6 | 42 | 5.9 | 325.8 | 1959 | 15.3 | 75 | 10.3 | 338.2 | 1986 | 14.7 | M | M | M | 1971 | 800 |
| 825 | 17.9 | 74 | 11.7 | 342.3 | 1733 | 16.4 | 48 | 6.8 | 326.4 | 1698 | 15.8 | 97 | 13.4 | 344.1 | 1724 | 15.8 | M | M | M | 1711 | 825 |
| 850 | 19.1 | 79 | 13.0 | 344.3 | 1476 | 17.0 | 54 | 7.7 | 326.9 | 1443 | 17.5 | 93 | 14.0 | 345.0 | 1468 | 16.7 | M | M | M | 1458 | 850 |
| 875 | 20.5 | 78 | 13.8 | 345.3 | 1225 | 17.5 | 60 | 8.7 | 327.4 | 1196 | 19.1 | 90 | 14.5 | 345.6 | 1219 | 17.9 | M | M | M | 1211 | 875 |
| 900 | 21.9 | 78 | 14.5 | 346.3 | 980 | 18.0 | 66 | 9.6 | 327.8 | 954 | 19.8 | 92 | 14.9 | 344.7 | 975 | 19.2 | M | M | M | 971 | 900 |
| 925 | 23.1 | 80 | 15.5 | 347.8 | 741 | 18.6 | 70 | 10.3 | 327.7 | 719 | 20.4 | 93 | 15.3 | 343.8 | 738 | 20.6 | M | M | M | 736 | 925 |
| 950 | 23.4 | 93 | 18.0 | 352.1 | 507 | 21.1 | 92 | 15.5 | 342.3 | 489 | 21.3 | 94 | 15.9 | 343.6 | 506 | 20.7 | M | M | M | 506 | 950 |
| 975 | 25.0 | 92 | 19.2 | 354.7 | 278 | 22.9 | 78 | 14.2 | 338.6 | 262 | 24.6 | 87 | 17.7 | 350.2 | 279 | 21.4 | M | M | M | 282 | 975 |
| 1000 | 26.7 | 90 | 20.4 | 357.5 | 54 | 24.8 | 64 | 12.6 | 333.9 | 40 | 27.8 | 81 | 19.5 | 356.8 | 54 | 23.8 | 91 | 17.2 | 345.2 | 60 | 1000 |
| SFC. | 26.6 | 96 | 21.4 | 359.5 | 0 | 25.1 | 61 | 12.3 | 332.9 | 0 | 28.6 | 80 | 20.0 | 358.4 | 0 | 24.5 | 91 | 17.8 | 346.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1006.1 | SURFACE PRESSURE | | | | 1004.6 | SURFACE PRESSURE | | | | 1006.1 | SURFACE PRESSURE | | | | 1006.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 4/ 1 1637 GMT | | | | | 4/ 1 1835 GMT | | | | | 4/ 1 2055 GMT | | | | | 4/ 1 2320 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.5 | 0 | 0.0 | 468.8 | 19511 | -63.7 | 0 | 0.0 | 468.3 | 19549 | -63.9 | 0 | 0.0 | 468.0 | 19514 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.1 | 33 | .0 | 436.7 | 18577 | -68.1 | 0 | 0.0 | 438.7 | 18610 | -68.2 | 19 | .0 | 438.7 | 18575 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.0 | 34 | .0 | 414.3 | 17781 | -71.2 | 0 | 0.0 | 415.9 | 17811 | -74.5 | 19 | .0 | 409.1 | 17786 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.5 | 34 | .0 | 391.6 | 17097 | -77.8 | 20 | .0 | 389.0 | 17126 | -80.1 | 20 | .0 | 384.5 | 17110 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.6 | 35 | .0 | 381.7 | 16489 | -76.9 | 20 | .0 | 379.2 | 16522 | -79.7 | 20 | .0 | 373.8 | 16515 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.2 | 35 | .0 | 364.7 | 15947 | -79.9 | 20 | .0 | 363.3 | 15978 | -79.1 | 20 | .0 | 364.8 | 15976 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.3 | 35 | .0 | 361.0 | 15449 | -75.4 | 20 | .0 | 362.7 | 15480 | -76.2 | 20 | .0 | 361.2 | 15478 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.7 | 35 | .0 | 357.5 | 14985 | -72.6 | 20 | .0 | 359.5 | 15013 | -73.5 | 20 | .0 | 357.8 | 15014 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.3 | 35 | .0 | 354.3 | 14549 | -70.4 | 21 | .0 | 355.8 | 14575 | -71.1 | 20 | .0 | 354.7 | 14578 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.0 | 35 | .0 | 351.3 | 14139 | -68.4 | 21 | .0 | 352.4 | 14163 | -68.5 | 20 | .0 | 352.1 | 14167 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.9 | 35 | .0 | 348.4 | 13751 | -66.1 | 21 | .0 | 349.8 | 13774 | -65.3 | 21 | .0 | 351.2 | 13777 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.5 | 35 | .0 | 348.1 | 13382 | -63.0 | 21 | .0 | 348.8 | 13404 | -62.2 | 21 | .0 | 350.2 | 13405 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.3 | 36 | .0 | 347.7 | 13029 | -60.2 | 20 | .0 | 347.8 | 13050 | -59.3 | 22 | .0 | 349.3 | 13050 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.3 | 37 | .0 | 347.2 | 12689 | -57.4 | 20 | .0 | 347.0 | 12711 | -56.6 | 22 | .0 | 348.3 | 12709 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.4 | 38 | .0 | 346.8 | 12363 | -54.5 | 22 | .0 | 346.6 | 12384 | -53.7 | 22 | .0 | 347.9 | 12382 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.9 | 42 | .1 | 345.6 | 11597 | -47.8 | 24 | .1 | 345.4 | 11619 | -47.0 | 21 | .1 | 346.7 | 11613 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.0 | 45 | .2 | 344.4 | 10893 | -41.9 | 27 | .1 | 344.2 | 10914 | -41.1 | 20 | .1 | 345.4 | 10906 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.7 | 49 | .3 | 343.3 | 10240 | -36.5 | 29 | .2 | 343.1 | 10261 | -35.7 | 19 | .1 | 344.0 | 10251 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.9 | 54 | .5 | 342.3 | 9632 | -31.6 | 31 | .3 | 342.0 | 9652 | -31.0 | 22 | .2 | 342.5 | 9640 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.5 | 58 | .7 | 341.5 | 9061 | -27.1 | 33 | .4 | 341.0 | 9080 | -26.9 | 28 | .4 | 341.1 | 9067 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.4 | 62 | 1.0 | 341.0 | 8523 | -23.4 | 38 | .6 | 339.6 | 8542 | -23.4 | 38 | .6 | 339.7 | 8529 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -20.6 | 67 | 1.3 | 339.2 | 8015 | -20.1 | 43 | .9 | 338.3 | 8033 | -20.1 | 49 | 1.0 | 338.8 | 8021 | 375 |
| 400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -17.9 | 71 | 1.7 | 337.6 | 7535 | -17.0 | 48 | 1.2 | 337.3 | 7552 | -16.8 | 53 | 1.4 | 338.1 | 7539 | 400 |
| 425 | 0.0 | 0 | 0.0 | 0.0 | 0 | -14.6 | 77 | 2.2 | 338.0 | 7078 | -14.2 | 55 | 1.7 | 336.7 | 7094 | -13.6 | 35 | 1.1 | 335.5 | 7081 | 425 |
| 450 | 0.0 | 0 | 0.0 | 0.0 | 0 | -11.5 | 82 | 2.9 | 338.6 | 6642 | -11.7 | 58 | 2.0 | 335.5 | 6658 | -11.8 | 31 | 1.1 | 332.3 | 6645 | 450 |
| 475 | 0.0 | 0 | 0.0 | 0.0 | 0 | -8.8 | 87 | 3.6 | 339.1 | 6225 | -9.6 | 37 | 1.4 | 331.2 | 6243 | -8.9 | 33 | 1.4 | 331.8 | 6229 | 475 |
| 500 | 0.0 | 0 | 0.0 | 0.0 | 0 | -6.9 | 91 | 4.2 | 338.4 | 5825 | -6.5 | 36 | 1.7 | 331.0 | 5844 | -6.2 | 34 | 1.6 | 331.2 | 5829 | 500 |
| 525 | 0.0 | 0 | 0.0 | 0.0 | 0 | -5.0 | 94 | 4.7 | 337.7 | 5443 | -3.5 | 34 | 1.9 | 330.8 | 5461 | -3.6 | 35 | 2.0 | 330.8 | 5446 | 525 |
| 550 | -2.2 | 97 | 5.8 | 340.0 | 5072 | -3.2 | 95 | 5.2 | 336.9 | 5075 | -2.1 | 53 | 3.2 | 332.1 | 5092 | -1.2 | 37 | 2.3 | 330.5 | 5076 | 550 |
| 575 | -.5 | 93 | 6.0 | 338.3 | 4716 | -1.6 | 96 | 5.7 | 336.3 | 4721 | .1 | 58 | 3.9 | 332.9 | 4737 | .7 | 46 | 3.3 | 331.6 | 4720 | 575 |
| 600 | 1.1 | 90 | 6.3 | 337.1 | 4374 | .1 | 97 | 6.3 | 335.8 | 4381 | 1.9 | 64 | 4.6 | 333.2 | 4394 | 2.9 | 42 | 3.3 | 330.5 | 4377 | 600 |
| 625 | 2.7 | 92 | 6.9 | 337.0 | 4044 | 1.6 | 99 | 6.8 | 335.3 | 4052 | 2.3 | 75 | 5.4 | 332.2 | 4065 | 4.0 | 54 | 4.4 | 331.2 | 4046 | 625 |
| 650 | 4.3 | 94 | 7.5 | 337.0 | 3725 | 3.5 | 97 | 7.3 | 335.4 | 3734 | 4.7 | 59 | 4.9 | 329.6 | 3746 | 5.7 | 42 | 3.7 | 327.3 | 3726 | 650 |
| 675 | 5.8 | 96 | 8.2 | 337.1 | 3416 | 5.5 | 93 | 7.8 | 335.7 | 3425 | 7.0 | 43 | 4.0 | 326.2 | 3437 | 8.1 | 37 | 3.7 | 326.4 | 3415 | 675 |
| 700 | 7.7 | 91 | 8.7 | 337.3 | 3117 | 7.4 | 90 | 8.3 | 335.9 | 3126 | 9.1 | 30 | 3.0 | 322.4 | 3137 | 10.3 | 32 | 3.5 | 325.4 | 3114 | 700 |
| 725 | 9.8 | 85 | 9.0 | 337.2 | 2825 | 9.3 | 87 | 8.8 | 336.1 | 2835 | 11.0 | 25 | 2.9 | 320.8 | 2845 | 11.9 | 29 | 3.5 | 323.8 | 2821 | 725 |
| 750 | 11.7 | 84 | 9.8 | 338.6 | 2542 | 10.8 | 87 | 9.4 | 336.3 | 2553 | 12.7 | 22 | 2.6 | 319.0 | 2562 | 13.4 | 27 | 3.5 | 322.3 | 2537 | 750 |
| 775 | 13.5 | 86 | 10.9 | 340.9 | 2266 | 12.2 | 86 | 9.9 | 336.4 | 2278 | 13.8 | 36 | 4.6 | 323.0 | 2286 | 14.8 | 25 | 3.4 | 320.7 | 2261 | 775 |
| 800 | 15.1 | 84 | 11.4 | 341.0 | 1996 | 13.9 | 82 | 10.2 | 336.1 | 2010 | 15.2 | 40 | 5.4 | 324.1 | 2018 | 16.2 | 23 | 3.4 | 319.1 | 1992 | 800 |
| 825 | 15.6 | 65 | 8.8 | 331.1 | 1735 | 15.4 | 78 | 10.5 | 335.7 | 1749 | 16.9 | 35 | 5.1 | 322.1 | 1756 | 17.4 | 29 | 4.4 | 320.7 | 1730 | 825 |
| 850 | 16.6 | 75 | 10.6 | 334.4 | 1481 | 17.0 | 74 | 10.7 | 335.2 | 1495 | 18.4 | 41 | 6.4 | 324.9 | 1501 | 18.5 | 38 | 5.9 | 323.4 | 1474 | 850 |
| 875 | 17.7 | 81 | 11.9 | 336.5 | 1232 | 18.5 | 71 | 10.8 | 334.6 | 1246 | 19.8 | 49 | 8.2 | 328.7 | 1252 | 19.5 | 45 | 7.4 | 326.3 | 1225 | 875 |
| 900 | 19.0 | 79 | 12.2 | 336.2 | 990 | 19.9 | 67 | 11.0 | 333.9 | 1003 | 21.1 | 57 | 10.1 | 332.9 | 1008 | 20.6 | 53 | 9.0 | 329.3 | 982 | 900 |
| 925 | 20.4 | 81 | 13.4 | 338.3 | 753 | 21.3 | 66 | 11.4 | 334.0 | 766 | 22.5 | 65 | 12.1 | 337.4 | 770 | 21.6 | 61 | 10.7 | 332.5 | 745 | 925 |
| 950 | 21.8 | 82 | 14.3 | 339.9 | 522 | 22.6 | 67 | 12.3 | 335.5 | 534 | 23.8 | 72 | 14.2 | 342.2 | 536 | 22.6 | 68 | 12.4 | 335.8 | 512 | 950 |
| 975 | 23.2 | 78 | 14.4 | 339.5 | 295 | 23.9 | 69 | 13.3 | 337.2 | 307 | 25.0 | 79 | 16.5 | 347.4 | 308 | 24.0 | 68 | 13.1 | 336.9 | 285 | 975 |
| 1000 | 24.6 | 73 | 14.5 | 338.8 | 73 | 24.9 | 76 | 15.2 | 341.2 | 84 | 26.2 | 86 | 18.9 | 352.9 | 84 | 27.1 | 76 | 17.4 | 349.8 | 62 | 1000 |
| SFC. | 25.1 | 72 | 14.5 | 338.6 | 0 | 25.1 | 82 | 16.5 | 344.0 | 0 | 26.7 | 89 | 19.8 | 355.0 | 0 | 28.6 | 85 | 21.3 | 361.9 | 0 | SFC. |
| | SURFACE PRESSURE 1008.3 | | | | | SURFACE PRESSURE 1009.6 | | | | | SURFACE PRESSURE 1009.5 | | | | | SURFACE PRESSURE 1007.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 4/ 2 230 GMT | | | | | 4/ 2 529 GMT | | | | | 4/ 2 829 GMT | | | | | 4/ 2 1126 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.9 | 0 | 0.0 | 463.4 | 19508 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 0 | 0.0 | 453.3 | 19488 | -63.0 | 0 | 0.0 | 469.9 | 19469 | 60 |
| 70 | -66.0 | 0 | 0.0 | 443.3 | 18569 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.0 | 0 | 0.0 | 436.8 | 18569 | -70.6 | 0 | 0.0 | 433.4 | 18544 | 70 |
| 80 | -72.9 | 30 | .0 | 412.5 | 17771 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.7 | 0 | 0.0 | 412.8 | 17775 | -70.2 | 0 | 0.0 | 418.0 | 17749 | 80 |
| 90 | -78.8 | 30 | .0 | 387.1 | 17092 | -77.1 | 35 | .0 | 390.4 | 17140 | -77.4 | 43 | .0 | 389.9 | 17092 | -75.2 | 32 | .0 | 394.3 | 17058 | 90 |
| 100 | -80.0 | 30 | .0 | 373.2 | 16494 | -80.9 | 35 | .0 | 371.5 | 16541 | -81.1 | 43 | .0 | 371.1 | 16494 | -79.2 | 32 | .0 | 374.7 | 16453 | 100 |
| 110 | -79.5 | 30 | .0 | 364.2 | 15955 | -79.3 | 35 | .0 | 364.5 | 16002 | -79.9 | 43 | .0 | 363.4 | 15957 | -80.3 | 32 | .0 | 362.6 | 15916 | 110 |
| 120 | -76.9 | 30 | .0 | 359.9 | 15458 | -77.8 | 35 | .0 | 358.2 | 15507 | -77.7 | 42 | .0 | 358.4 | 15462 | -78.0 | 32 | .0 | 357.9 | 15421 | 120 |
| 130 | -74.6 | 31 | .0 | 356.0 | 14995 | -74.8 | 35 | .0 | 355.5 | 15045 | -75.7 | 42 | .0 | 354.0 | 15001 | -75.9 | 32 | .0 | 353.6 | 14961 | 130 |
| 140 | -72.3 | 31 | .0 | 352.6 | 14562 | -71.9 | 35 | .0 | 353.2 | 14612 | -72.4 | 42 | .0 | 352.3 | 14570 | -72.8 | 32 | .0 | 351.5 | 14530 | 140 |
| 150 | -68.9 | 31 | .0 | 351.4 | 14153 | -68.4 | 35 | .0 | 352.4 | 14202 | -69.0 | 43 | .0 | 351.3 | 14161 | -69.7 | 32 | .0 | 350.1 | 14122 | 150 |
| 160 | -65.8 | 31 | .0 | 350.3 | 13764 | -64.9 | 35 | .0 | 351.8 | 13811 | -65.8 | 43 | .0 | 350.3 | 13772 | -66.4 | 32 | .0 | 349.3 | 13734 | 160 |
| 170 | -62.8 | 30 | .0 | 349.2 | 13393 | -61.7 | 35 | .0 | 351.1 | 13439 | -62.8 | 43 | .0 | 349.2 | 13401 | -63.3 | 32 | .0 | 348.4 | 13365 | 170 |
| 180 | -60.1 | 30 | .0 | 348.1 | 13038 | -58.6 | 34 | .0 | 350.5 | 13082 | -60.0 | 43 | .0 | 348.2 | 13047 | -60.4 | 32 | .0 | 347.5 | 13011 | 180 |
| 190 | -57.3 | 30 | .0 | 347.3 | 12699 | -55.7 | 34 | .0 | 349.8 | 12740 | -57.3 | 44 | .0 | 347.2 | 12707 | -57.7 | 32 | .0 | 346.6 | 12672 | 190 |
| 200 | -54.2 | 30 | .0 | 347.1 | 12372 | -53.0 | 34 | .0 | 349.1 | 12412 | -54.8 | 44 | .0 | 346.2 | 12381 | -55.1 | 32 | .0 | 345.7 | 12346 | 200 |
| 225 | -47.3 | 29 | .1 | 346.4 | 11605 | -46.8 | 46 | .1 | 347.2 | 11642 | -48.5 | 47 | .1 | 344.5 | 11617 | -49.0 | 25 | .0 | 343.6 | 11584 | 225 |
| 250 | -41.0 | 29 | .1 | 345.6 | 10898 | -41.4 | 58 | .2 | 345.5 | 10935 | -42.7 | 53 | .2 | 343.4 | 10915 | -43.2 | 28 | .1 | 342.3 | 10883 | 250 |
| 275 | -35.4 | 29 | .2 | 344.8 | 10242 | -36.0 | 62 | .4 | 344.7 | 10281 | -37.3 | 57 | .3 | 342.4 | 10264 | -37.6 | 39 | .2 | 341.6 | 10234 | 275 |
| 300 | -30.2 | 28 | .3 | 344.0 | 9630 | -30.8 | 55 | .5 | 344.0 | 9670 | -32.5 | 62 | .5 | 341.6 | 9657 | -32.5 | 53 | .4 | 341.4 | 9627 | 300 |
| 325 | -25.5 | 28 | .4 | 343.2 | 9055 | -25.9 | 45 | .6 | 343.4 | 9096 | -27.5 | 59 | .7 | 341.5 | 9087 | -27.6 | 55 | .7 | 341.2 | 9057 | 325 |
| 350 | -21.7 | 31 | .6 | 341.8 | 8513 | -21.3 | 55 | 1.1 | 344.2 | 8554 | -22.7 | 53 | .9 | 341.7 | 8548 | -23.9 | 65 | 1.0 | 340.4 | 8520 | 350 |
| 375 | -19.6 | 46 | 1.0 | 339.4 | 8003 | -18.6 | 67 | 1.6 | 342.7 | 8042 | -18.8 | 52 | 1.2 | 341.1 | 8038 | -20.4 | 54 | 1.1 | 338.6 | 8012 | 375 |
| 400 | -17.0 | 60 | 1.5 | 338.3 | 7521 | -16.1 | 78 | 2.1 | 341.6 | 7558 | -16.4 | 73 | 2.0 | 340.6 | 7554 | -16.5 | 20 | .5 | 335.6 | 7531 | 400 |
| 425 | -14.6 | 58 | 1.7 | 336.1 | 7063 | -14.1 | 73 | 2.2 | 338.6 | 7099 | -13.3 | 46 | 1.5 | 337.2 | 7096 | -13.4 | 19 | .6 | 334.1 | 7072 | 425 |
| 450 | -12.1 | 23 | .8 | 330.8 | 6629 | -11.2 | 30 | 1.1 | 333.0 | 6663 | -11.6 | 19 | .7 | 331.1 | 6659 | -11.2 | 28 | 1.0 | 332.8 | 6635 | 450 |
| 475 | -9.0 | 22 | .9 | 330.1 | 6213 | -7.8 | 25 | 1.1 | 332.3 | 6246 | -9.3 | 18 | .7 | 329.1 | 6243 | -9.6 | 20 | .8 | 328.9 | 6219 | 475 |
| 500 | -6.2 | 30 | 1.5 | 330.6 | 5813 | -5.2 | 23 | 1.2 | 331.1 | 5845 | -8.2 | 45 | 1.9 | 329.5 | 5845 | -8.5 | 77 | 3.1 | 332.9 | 5822 | 500 |
| 525 | -3.7 | 43 | 2.4 | 332.0 | 5430 | -3.2 | 37 | 2.1 | 331.7 | 5460 | -4.7 | 28 | 1.4 | 327.7 | 5464 | -5.6 | 39 | 1.9 | 328.0 | 5441 | 525 |
| 550 | -1.6 | 42 | 2.6 | 330.9 | 5061 | -.6 | 17 | 1.1 | 327.3 | 5090 | -3.4 | 49 | 2.7 | 328.8 | 5097 | -3.7 | 54 | 2.9 | 329.1 | 5075 | 550 |
| 575 | .5 | 47 | 3.2 | 331.1 | 4705 | 1.4 | 53 | 3.9 | 334.5 | 4734 | -.2 | 65 | 4.3 | 333.6 | 4743 | -1.0 | 77 | 4.7 | 334.0 | 4721 | 575 |
| 600 | 2.5 | 58 | 4.4 | 333.3 | 4362 | 3.4 | 70 | 5.7 | 338.1 | 4389 | 2.5 | 71 | 5.4 | 336.4 | 4400 | .5 | 87 | 5.8 | 334.9 | 4380 | 600 |
| 625 | 3.7 | 60 | 4.8 | 332.0 | 4031 | 5.6 | 69 | 6.3 | 338.8 | 4056 | 4.4 | 65 | 5.4 | 334.7 | 4068 | 2.9 | 75 | 5.7 | 333.6 | 4050 | 625 |
| 650 | 5.8 | 48 | 4.2 | 329.1 | 3711 | 7.2 | 50 | 4.9 | 332.8 | 3734 | 6.9 | 55 | 5.3 | 333.7 | 3747 | 5.7 | 65 | 5.8 | 333.6 | 3730 | 650 |
| 675 | 8.7 | 36 | 3.7 | 327.5 | 3400 | 9.4 | 41 | 4.5 | 330.7 | 3422 | 9.4 | 51 | 5.6 | 333.8 | 3435 | 7.9 | 62 | 6.1 | 333.6 | 3420 | 675 |
| 700 | 10.8 | 41 | 4.7 | 329.4 | 3098 | 11.6 | 32 | 3.9 | 328.1 | 3119 | 11.1 | 53 | 6.3 | 334.4 | 3132 | 9.7 | 58 | 6.3 | 332.8 | 3118 | 700 |
| 725 | 12.6 | 37 | 4.7 | 328.1 | 2805 | 13.8 | 24 | 3.2 | 325.0 | 2825 | 12.7 | 55 | 7.0 | 335.2 | 2838 | 12.0 | 42 | 5.1 | 328.7 | 2825 | 725 |
| 750 | 14.3 | 30 | 4.0 | 325.0 | 2519 | 15.8 | 15 | 2.3 | 321.4 | 2538 | 14.7 | 34 | 4.8 | 327.7 | 2552 | 13.1 | 42 | 5.4 | 327.5 | 2541 | 750 |
| 775 | 16.0 | 27 | 4.0 | 323.9 | 2242 | 17.2 | 30 | 4.8 | 327.4 | 2260 | 16.2 | 31 | 4.7 | 326.0 | 2274 | 14.2 | 56 | 7.3 | 331.4 | 2265 | 775 |
| 800 | 17.6 | 25 | 4.0 | 322.6 | 1971 | 18.4 | 45 | 7.6 | 334.2 | 1988 | 17.1 | 45 | 7.0 | 330.7 | 2004 | 15.0 | 70 | 9.4 | 335.1 | 1996 | 800 |
| 825 | 18.9 | 29 | 4.8 | 323.5 | 1708 | 19.5 | 54 | 9.4 | 337.6 | 1723 | 18.0 | 58 | 9.2 | 335.2 | 1740 | 14.9 | 94 | 12.3 | 340.1 | 1734 | 825 |
| 850 | 19.7 | 40 | 6.8 | 327.5 | 1451 | 20.4 | 58 | 10.3 | 338.3 | 1466 | 19.5 | 59 | 10.0 | 336.3 | 1484 | 16.6 | 95 | 13.4 | 342.1 | 1480 | 850 |
| 875 | 20.4 | 51 | 8.9 | 331.4 | 1201 | 18.1 | 67 | 10.1 | 332.0 | 1215 | 20.9 | 60 | 10.8 | 337.5 | 1233 | 18.2 | 96 | 14.5 | 344.3 | 1231 | 875 |
| 900 | 21.1 | 62 | 11.0 | 335.4 | 957 | 19.7 | 90 | 14.6 | 343.8 | 972 | 21.6 | 69 | 12.5 | 340.3 | 988 | 19.7 | 96 | 15.7 | 346.6 | 988 | 900 |
| 925 | 21.8 | 73 | 13.1 | 339.3 | 719 | 21.5 | 95 | 16.8 | 349.2 | 734 | 21.8 | 82 | 14.8 | 344.1 | 750 | 21.2 | 97 | 16.9 | 349.0 | 750 | 925 |
| 950 | 22.4 | 83 | 15.2 | 343.2 | 487 | 23.5 | 95 | 18.4 | 353.4 | 501 | 22.1 | 95 | 17.0 | 347.6 | 517 | 22.7 | 98 | 18.1 | 351.5 | 517 | 950 |
| 975 | 24.1 | 87 | 17.1 | 347.9 | 259 | 25.5 | 91 | 19.6 | 356.7 | 272 | 24.7 | 91 | 18.6 | 352.8 | 289 | 24.7 | 93 | 19.1 | 354.0 | 289 | 975 |
| 1000 | 26.9 | 84 | 18.9 | 353.9 | 36 | 27.6 | 88 | 20.8 | 359.9 | 47 | 27.3 | 87 | 20.3 | 358.1 | 65 | 26.8 | 88 | 19.8 | 356.2 | 65 | 1000 |
| SFC. | 27.3 | 83 | 19.2 | 354.8 | 0 | 28.0 | 87 | 21.0 | 360.6 | 0 | 28.0 | 86 | 20.7 | 359.6 | 0 | 27.4 | 86 | 20.0 | 356.7 | 0 | SFC. |
| | SURFACE PRESSURE 1004.0 | | | | | SURFACE PRESSURE 1005.3 | | | | | SURFACE PRESSURE 1007.3 | | | | | SURFACE PRESSURE 1007.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/ 2 1730 GMT T | RH | W | EPT | H | 4/ 2 2320 GMT T | RH | W | EPT | H | 4/ 3 542 GMT T | RH | W | EPT | H | 4/ 3 1214 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.1 | 0 | 0.0 | 467.3 | 19453 | -61.5 | 0 | 0.0 | 473.2 | 19605 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.5 | 0 | 0.0 | 464.3 | 19476 | 60 |
| 70 | -69.7 | 0 | 0.0 | 435.4 | 18522 | -65.7 | 0 | 0.0 | 443.9 | 18655 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.1 | 23 | .0 | 434.4 | 18547 | 70 |
| 80 | -74.8 | 0 | 0.0 | 408.6 | 17736 | -72.6 | 0 | 0.0 | 412.9 | 17850 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.7 | 23 | .0 | 402.5 | 17768 | 80 |
| 90 | -76.7 | 20 | .0 | 391.1 | 17056 | -76.1 | 18 | .0 | 392.4 | 17169 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.8 | 23 | .0 | 385.1 | 17098 | 90 |
| 100 | -77.9 | 20 | .0 | 377.2 | 16451 | -75.1 | 18 | .0 | 382.7 | 16559 | -82.8 | 17 | .0 | 367.8 | 16498 | -80.5 | 23 | .0 | 372.2 | 16503 | 100 |
| 110 | -77.6 | 20 | .0 | 367.6 | 15907 | -78.5 | 18 | .0 | 365.9 | 16015 | -79.2 | 16 | .0 | 364.7 | 15961 | -78.2 | 23 | .0 | 366.5 | 15962 | 110 |
| 120 | -76.0 | 20 | .0 | 361.6 | 15407 | -76.2 | 18 | .0 | 361.2 | 15516 | -75.8 | 16 | .0 | 361.9 | 15463 | -76.2 | 23 | .0 | 361.3 | 15463 | 120 |
| 130 | -74.5 | 20 | .0 | 356.0 | 14943 | -73.8 | 18 | .0 | 357.4 | 15051 | -72.8 | 15 | .0 | 359.2 | 14997 | -73.9 | 23 | .0 | 357.2 | 14999 | 130 |
| 140 | -72.1 | 20 | .0 | 352.9 | 14509 | -71.5 | 18 | .0 | 353.8 | 14616 | -71.9 | 16 | .0 | 353.2 | 14560 | -71.3 | 23 | .0 | 354.3 | 14563 | 140 |
| 150 | -69.3 | 20 | .0 | 350.7 | 14100 | -68.3 | 18 | .0 | 352.4 | 14206 | -69.6 | 16 | .0 | 350.3 | 14152 | -68.8 | 23 | .0 | 351.6 | 14153 | 150 |
| 160 | -66.4 | 20 | .0 | 349.3 | 13712 | -65.1 | 18 | .0 | 351.5 | 13816 | -66.4 | 17 | .0 | 349.2 | 13764 | -65.4 | 22 | .0 | 350.9 | 13764 | 160 |
| 170 | -63.3 | 20 | .0 | 348.5 | 13342 | -62.0 | 17 | .0 | 350.5 | 13443 | -63.5 | 17 | .0 | 348.0 | 13395 | -62.2 | 22 | .0 | 350.2 | 13392 | 170 |
| 180 | -60.3 | 20 | .0 | 347.6 | 12989 | -59.2 | 17 | .0 | 349.5 | 13088 | -60.4 | 17 | .0 | 347.6 | 13041 | -59.2 | 21 | .0 | 349.4 | 13036 | 180 |
| 190 | -57.5 | 20 | .0 | 346.8 | 12649 | -55.9 | 16 | .0 | 349.4 | 12746 | -57.0 | 16 | .0 | 347.6 | 12702 | -56.4 | 20 | .0 | 348.6 | 12695 | 190 |
| 200 | -54.9 | 21 | .0 | 345.9 | 12324 | -52.8 | 16 | .0 | 349.3 | 12418 | -53.8 | 15 | .0 | 347.6 | 12374 | -53.5 | 20 | .0 | 348.1 | 12368 | 200 |
| 225 | -48.9 | 21 | .0 | 343.8 | 11560 | -45.8 | 15 | .0 | 348.6 | 11645 | -46.6 | 14 | .0 | 347.3 | 11605 | -46.0 | 20 | .1 | 348.2 | 11597 | 225 |
| 250 | -43.3 | 21 | .1 | 341.9 | 10860 | -39.7 | 16 | .1 | 347.4 | 10934 | -40.3 | 13 | .1 | 346.5 | 10896 | -40.5 | 23 | .1 | 346.3 | 10886 | 250 |
| 275 | -37.9 | 19 | .1 | 340.8 | 10211 | -34.8 | 17 | .1 | 345.3 | 10276 | -36.1 | 16 | .1 | 343.4 | 10240 | -36.7 | 26 | .2 | 342.7 | 10231 | 275 |
| 300 | -32.9 | 18 | .1 | 339.6 | 9605 | -31.5 | 18 | .2 | 341.7 | 9665 | -33.1 | 25 | .2 | 339.5 | 9632 | -33.1 | 29 | .2 | 339.6 | 9624 | 300 |
| 325 | -29.9 | 22 | .2 | 336.3 | 9038 | -28.5 | 21 | .2 | 338.4 | 9094 | -28.1 | 19 | .2 | 338.8 | 9063 | -28.7 | 28 | .3 | 338.3 | 9057 | 325 |
| 350 | -25.5 | 21 | .3 | 335.5 | 8505 | -24.2 | 21 | .3 | 337.4 | 8559 | -25.2 | 28 | .4 | 336.4 | 8528 | -24.0 | 21 | .3 | 337.8 | 8521 | 350 |
| 375 | -21.4 | 20 | .4 | 334.7 | 8001 | -19.8 | 19 | .4 | 337.0 | 8052 | -21.0 | 29 | .5 | 335.9 | 8023 | -20.4 | 27 | .6 | 336.8 | 8014 | 375 |
| 400 | -17.6 | 20 | .5 | 334.0 | 7521 | -15.6 | 18 | .5 | 336.7 | 7569 | -17.4 | 38 | .9 | 335.8 | 7543 | -17.0 | 33 | .8 | 336.0 | 7533 | 400 |
| 425 | -14.2 | 22 | .7 | 333.3 | 7065 | -12.6 | 16 | .5 | 334.9 | 7109 | -13.7 | 23 | .7 | 334.1 | 7085 | -13.3 | 27 | .9 | 335.2 | 7074 | 425 |
| 450 | -11.0 | 27 | 1.0 | 333.0 | 6628 | -9.8 | 17 | .7 | 333.4 | 6670 | -10.4 | 15 | .6 | 332.4 | 6648 | -9.8 | 22 | .9 | 334.2 | 6636 | 450 |
| 475 | -9.7 | 28 | 1.1 | 329.8 | 6211 | -7.4 | 28 | 1.3 | 333.4 | 6251 | -7.4 | 13 | .6 | 331.0 | 6229 | -6.5 | 17 | .8 | 333.0 | 6216 | 475 |
| 500 | -7.0 | 47 | 2.1 | 331.8 | 5814 | -4.8 | 20 | 1.1 | 331.1 | 5849 | -5.3 | 33 | 1.7 | 332.6 | 5828 | -7.1 | 20 | .9 | 327.6 | 5816 | 500 |
| 525 | -5.7 | 58 | 2.8 | 330.7 | 5432 | -2.3 | 32 | 2.0 | 332.5 | 5464 | -2.6 | 17 | 1.0 | 329.0 | 5443 | -3.4 | 31 | 1.8 | 330.5 | 5433 | 525 |
| 550 | -3.9 | 58 | 3.0 | 329.3 | 5066 | -1.2 | 43 | 2.7 | 331.9 | 5093 | -.1 | 29 | 2.0 | 330.8 | 5073 | -1.2 | 43 | 2.7 | 331.9 | 5063 | 550 |
| 575 | -1.1 | 49 | 3.0 | 328.6 | 4713 | 1.1 | 36 | 2.6 | 330.0 | 4737 | .3 | 52 | 3.5 | 331.9 | 4716 | -1.1 | 75 | 4.6 | 333.6 | 4708 | 575 |
| 600 | 1.4 | 59 | 4.1 | 331.1 | 4371 | 3.2 | 44 | 3.5 | 331.4 | 4393 | 2.1 | 66 | 4.9 | 334.2 | 4373 | 1.2 | 72 | 5.0 | 333.4 | 4367 | 600 |
| 625 | 3.2 | 58 | 4.5 | 330.4 | 4041 | 5.3 | 45 | 4.0 | 331.6 | 4061 | 3.9 | 71 | 5.8 | 335.1 | 4042 | 2.4 | 85 | 6.2 | 334.5 | 4037 | 625 |
| 650 | 5.2 | 55 | 4.7 | 329.8 | 3722 | 7.3 | 46 | 4.5 | 331.9 | 3739 | 5.6 | 67 | 5.9 | 333.8 | 3722 | 4.8 | 53 | 4.4 | 328.4 | 3718 | 650 |
| 675 | 7.7 | 48 | 4.7 | 329.2 | 3412 | 9.4 | 39 | 4.3 | 329.9 | 3427 | 6.8 | 43 | 3.9 | 325.7 | 3412 | 7.3 | 38 | 3.6 | 325.3 | 3409 | 675 |
| 700 | 10.1 | 42 | 4.6 | 328.2 | 3111 | 11.4 | 31 | 3.8 | 327.4 | 3124 | 10.0 | 31 | 3.4 | 324.6 | 3111 | 9.2 | 34 | 3.5 | 324.0 | 3109 | 700 |
| 725 | 11.8 | 42 | 5.0 | 328.2 | 2818 | 12.8 | 35 | 4.4 | 327.6 | 2831 | 11.5 | 21 | 2.5 | 320.3 | 2819 | 11.1 | 30 | 3.4 | 322.6 | 2817 | 725 |
| 750 | 13.8 | 25 | 3.3 | 322.0 | 2533 | 14.7 | 26 | 3.6 | 324.0 | 2545 | 12.8 | 36 | 4.4 | 324.2 | 2535 | 12.9 | 31 | 3.9 | 322.8 | 2533 | 750 |
| 775 | 15.5 | 27 | 3.8 | 322.5 | 2256 | 15.7 | 39 | 5.7 | 328.4 | 2267 | 13.8 | 35 | 4.5 | 322.7 | 2259 | 14.4 | 31 | 4.1 | 322.2 | 2257 | 775 |
| 800 | 17.1 | 28 | 4.3 | 323.0 | 1987 | 16.6 | 36 | 5.3 | 325.4 | 1997 | 14.7 | 48 | 6.3 | 326.0 | 1991 | 15.6 | 30 | 4.2 | 320.8 | 1988 | 800 |
| 825 | 17.1 | 38 | 5.7 | 324.0 | 1724 | 18.3 | 36 | 5.8 | 325.8 | 1735 | 15.7 | 68 | 9.4 | 332.9 | 1730 | 16.6 | 38 | 5.5 | 323.0 | 1727 | 825 |
| 850 | 16.8 | 51 | 7.2 | 325.3 | 1470 | 19.4 | 43 | 7.1 | 327.9 | 1478 | 17.2 | 72 | 10.6 | 335.1 | 1475 | 17.3 | 69 | 10.1 | 334.1 | 1472 | 850 |
| 875 | 17.4 | 65 | 9.3 | 329.0 | 1222 | 20.3 | 49 | 8.5 | 330.3 | 1228 | 18.8 | 67 | 10.6 | 334.3 | 1227 | 18.6 | 73 | 11.4 | 336.2 | 1223 | 875 |
| 900 | 18.4 | 74 | 11.0 | 332.2 | 980 | 21.3 | 56 | 10.0 | 332.7 | 985 | 20.5 | 62 | 10.5 | 333.2 | 984 | 19.3 | 76 | 11.9 | 335.8 | 981 | 900 |
| 925 | 20.1 | 75 | 12.0 | 334.3 | 744 | 22.2 | 63 | 11.4 | 335.3 | 746 | 22.0 | 60 | 10.9 | 333.6 | 746 | 19.3 | 77 | 11.7 | 332.5 | 745 | 925 |
| 950 | 21.7 | 75 | 13.0 | 336.5 | 513 | 23.1 | 69 | 13.0 | 337.9 | 514 | 23.3 | 72 | 13.9 | 340.7 | 513 | 21.3 | 94 | 15.9 | 343.8 | 514 | 950 |
| 975 | 23.3 | 76 | 14.1 | 338.8 | 286 | 25.4 | 63 | 13.3 | 339.3 | 286 | 24.6 | 84 | 17.1 | 348.4 | 285 | 23.1 | 91 | 16.9 | 346.1 | 287 | 975 |
| 1000 | 25.3 | 85 | 17.5 | 347.8 | 64 | 28.4 | 67 | 16.6 | 349.6 | 62 | 26.2 | 58 | 12.5 | 335.3 | 62 | 25.0 | 86 | 17.3 | 346.9 | 64 | 1000 |
| SFC. | 26.3 | 95 | 20.7 | 357.3 | 0 | 30.2 | 83 | 22.8 | 368.5 | 0 | 26.6 | 49 | 10.7 | 330.2 | 0 | 25.5 | 84 | 17.4 | 347.1 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.2 | SURFACE PRESSURE | | | | 1006.9 | SURFACE PRESSURE | | | | 1007.0 | SURFACE PRESSURE | | | | 1007.3 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/ 3 1529 GMT T | RH | W | EPT | H | 4/ 3 1745 GMT T | RH | W | EPT | H | 4/ 3 2025 GMT T | RH | W | EPT | H | 4/ 3 2350 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.8 | 0 | 0.0 | 461.4 | 19471 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.0 | 0 | 0.0 | 467.7 | 19605 | -64.2 | 0 | 0.0 | 467.2 | 19603 | 60 |
| 70 | -69.0 | 0 | 0.0 | 436.8 | 18544 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.1 | 0 | 0.0 | 434.3 | 18673 | -70.6 | 0 | 0.0 | 433.3 | 18669 | 70 |
| 80 | -75.5 | 0 | 0.0 | 407.0 | 17758 | -72.6 | 23 | .0 | 413.0 | 17861 | -70.2 | 0 | 0.0 | 418.0 | 17881 | -69.0 | 0 | 0.0 | 420.4 | 17874 | 80 |
| 90 | -78.5 | 0 | 0.0 | 387.6 | 17083 | -75.5 | 24 | .0 | 393.5 | 17176 | -74.4 | 20 | .0 | 395.8 | 17186 | -76.1 | 0 | 0.0 | 392.3 | 17180 | 90 |
| 100 | -79.7 | 26 | .0 | 373.8 | 16485 | -77.2 | 25 | .0 | 378.6 | 16568 | -79.3 | 21 | .0 | 374.5 | 16580 | -77.5 | 21 | .0 | 378.0 | 16576 | 100 |
| 110 | -76.1 | 26 | .0 | 370.4 | 15940 | -74.9 | 25 | .0 | 372.7 | 16018 | -76.0 | 21 | .0 | 370.8 | 16035 | -75.2 | 21 | .0 | 372.1 | 16028 | 110 |
| 120 | -75.6 | 26 | .0 | 362.3 | 15436 | -74.9 | 25 | .0 | 363.5 | 15512 | -73.3 | 21 | .0 | 366.6 | 15528 | -73.6 | 21 | .0 | 366.1 | 15521 | 120 |
| 130 | -73.7 | 26 | .0 | 357.5 | 14971 | -72.9 | 25 | .0 | 359.0 | 15046 | -72.1 | 20 | .0 | 360.3 | 15058 | -72.0 | 21 | .0 | 360.5 | 15052 | 130 |
| 140 | -71.6 | 26 | .0 | 353.8 | 14536 | -70.2 | 24 | .0 | 356.2 | 14608 | -71.1 | 20 | .0 | 354.6 | 14621 | -69.9 | 22 | .0 | 356.7 | 14613 | 140 |
| 150 | -68.6 | 25 | .0 | 351.9 | 14125 | -67.6 | 24 | .0 | 353.6 | 14196 | -68.1 | 20 | .0 | 352.8 | 14210 | -66.9 | 22 | .0 | 354.8 | 14200 | 150 |
| 160 | -65.8 | 24 | .0 | 350.2 | 13736 | -64.8 | 24 | .0 | 352.0 | 13805 | -64.8 | 19 | .0 | 351.9 | 13820 | -64.2 | 23 | .0 | 353.0 | 13807 | 160 |
| 170 | -63.0 | 24 | .0 | 348.9 | 13366 | -61.4 | 24 | .0 | 351.5 | 13432 | -61.7 | 19 | .0 | 351.0 | 13447 | -61.6 | 23 | .0 | 351.2 | 13434 | 170 |
| 180 | -59.8 | 24 | .0 | 348.5 | 13011 | -58.3 | 23 | .0 | 351.0 | 13075 | -58.8 | 19 | .0 | 350.1 | 13090 | -59.2 | 23 | .0 | 349.5 | 13078 | 180 |
| 190 | -56.8 | 24 | .0 | 348.0 | 12671 | -55.3 | 23 | .0 | 350.4 | 12732 | -55.8 | 19 | .0 | 349.7 | 12749 | -56.2 | 22 | .0 | 348.9 | 12737 | 190 |
| 200 | -53.9 | 24 | .0 | 347.5 | 12344 | -52.5 | 23 | .0 | 349.9 | 12403 | -52.9 | 19 | .0 | 349.2 | 12420 | -53.2 | 22 | .0 | 348.7 | 12409 | 200 |
| 225 | -47.4 | 25 | .1 | 346.2 | 11577 | -46.0 | 22 | .1 | 348.4 | 11630 | -46.2 | 19 | .1 | 347.9 | 11649 | -46.1 | 20 | .1 | 348.1 | 11638 | 225 |
| 250 | -41.5 | 25 | .1 | 344.8 | 10871 | -40.8 | 23 | .1 | 345.8 | 10921 | -40.3 | 19 | .1 | 346.5 | 10939 | -39.8 | 18 | .1 | 347.4 | 10928 | 250 |
| 275 | -37.6 | 28 | .2 | 341.4 | 10219 | -37.0 | 26 | .2 | 342.2 | 10267 | -36.6 | 20 | .1 | 342.6 | 10284 | -35.9 | 20 | .1 | 343.8 | 10270 | 275 |
| 300 | -33.0 | 28 | .2 | 339.7 | 9613 | -32.7 | 28 | .2 | 340.3 | 9660 | -31.7 | 19 | .2 | 341.4 | 9675 | -31.5 | 20 | .2 | 341.7 | 9660 | 300 |
| 325 | -28.8 | 28 | .3 | 338.2 | 9045 | -28.1 | 26 | .3 | 339.2 | 9091 | -27.2 | 18 | .2 | 340.1 | 9104 | -27.1 | 19 | .2 | 340.3 | 9089 | 325 |
| 350 | -25.0 | 28 | .4 | 336.7 | 8511 | -23.3 | 21 | .4 | 338.7 | 8554 | -23.0 | 18 | .3 | 338.9 | 8565 | -23.0 | 18 | .3 | 339.0 | 8550 | 350 |
| 375 | -21.4 | 28 | .5 | 335.3 | 8005 | -20.0 | 24 | .5 | 337.0 | 8046 | -19.2 | 17 | .4 | 337.6 | 8056 | -19.5 | 18 | .4 | 337.3 | 8041 | 375 |
| 400 | -17.8 | 37 | .9 | 335.1 | 7526 | -16.9 | 26 | .7 | 335.5 | 7564 | -16.4 | 20 | .5 | 335.7 | 7573 | -16.4 | 19 | .5 | 335.6 | 7559 | 400 |
| 425 | -14.1 | 31 | .9 | 334.3 | 7069 | -13.0 | 23 | .8 | 335.2 | 7106 | -12.9 | 18 | .6 | 334.7 | 7114 | -12.9 | 18 | .6 | 334.8 | 7100 | 425 |
| 450 | -10.5 | 25 | .9 | 333.4 | 6632 | -9.5 | 21 | .9 | 334.5 | 6667 | -9.6 | 17 | .7 | 333.8 | 6676 | -9.5 | 18 | .7 | 334.0 | 6661 | 450 |
| 475 | -7.2 | 19 | .9 | 332.3 | 6214 | -6.3 | 19 | .9 | 333.7 | 6247 | -6.5 | 16 | .8 | 332.8 | 6256 | -6.4 | 17 | .9 | 333.3 | 6241 | 475 |
| 500 | -5.9 | 17 | .8 | 329.0 | 5813 | -4.5 | 19 | 1.0 | 331.2 | 5844 | -4.3 | 16 | .9 | 331.1 | 5853 | -3.4 | 17 | 1.0 | 332.5 | 5838 | 500 |
| 525 | -4.2 | 31 | 1.7 | 329.1 | 5430 | -4.0 | 29 | 1.6 | 329.1 | 5459 | -2.6 | 17 | 1.0 | 329.0 | 5468 | -1.7 | 17 | 1.1 | 330.3 | 5451 | 525 |
| 550 | -1.7 | 39 | 2.4 | 330.1 | 5061 | -.9 | 27 | 1.8 | 329.1 | 5090 | -.3 | 18 | 1.3 | 328.2 | 5097 | .1 | 23 | 1.6 | 329.8 | 5080 | 550 |
| 575 | -1.9 | 94 | 5.5 | 335.0 | 4707 | 1.1 | 55 | 4.0 | 334.3 | 4734 | 1.9 | 35 | 2.7 | 331.2 | 4740 | 1.8 | 29 | 2.2 | 329.5 | 4722 | 575 |
| 600 | .9 | 72 | 4.9 | 332.8 | 4366 | 1.9 | 64 | 4.7 | 333.2 | 4392 | 3.0 | 52 | 4.1 | 333.0 | 4396 | 2.8 | 50 | 3.9 | 332.0 | 4378 | 600 |
| 625 | 2.9 | 77 | 5.8 | 334.1 | 4037 | 4.2 | 58 | 4.8 | 332.4 | 4060 | 4.6 | 43 | 3.6 | 329.5 | 4064 | 4.5 | 44 | 3.7 | 329.6 | 4047 | 625 |
| 650 | 5.2 | 61 | 5.2 | 331.3 | 3717 | 5.9 | 53 | 4.7 | 330.7 | 3740 | 6.6 | 44 | 4.2 | 329.8 | 3743 | 6.7 | 42 | 3.9 | 329.2 | 3726 | 650 |
| 675 | 7.4 | 41 | 3.9 | 326.5 | 3407 | 8.4 | 42 | 4.3 | 328.8 | 3430 | 8.8 | 33 | 3.4 | 326.7 | 3432 | 9.2 | 40 | 4.3 | 329.6 | 3415 | 675 |
| 700 | 9.6 | 21 | 2.2 | 320.5 | 3107 | 11.0 | 32 | 3.8 | 326.8 | 3127 | 11.0 | 20 | 2.3 | 322.3 | 3130 | 10.8 | 28 | 3.2 | 324.9 | 3112 | 700 |
| 725 | 11.4 | 22 | 2.6 | 320.4 | 2815 | 12.5 | 25 | 3.1 | 323.3 | 2834 | 11.7 | 18 | 2.2 | 319.5 | 2837 | 12.4 | 22 | 2.8 | 322.2 | 2819 | 725 |
| 750 | 13.1 | 24 | 3.0 | 320.4 | 2531 | 13.9 | 25 | 3.3 | 322.3 | 2549 | 12.4 | 17 | 2.1 | 316.9 | 2554 | 13.9 | 23 | 3.1 | 321.7 | 2534 | 750 |
| 775 | 14.8 | 25 | 3.4 | 320.5 | 2255 | 16.1 | 24 | 3.5 | 322.5 | 2272 | 13.0 | 17 | 2.0 | 314.4 | 2279 | 15.4 | 24 | 3.4 | 321.3 | 2257 | 775 |
| 800 | 16.4 | 26 | 3.8 | 320.6 | 1986 | 18.2 | 23 | 3.8 | 322.6 | 2001 | 13.6 | 16 | 1.9 | 311.9 | 2012 | 16.8 | 25 | 3.8 | 321.0 | 1988 | 800 |
| 825 | 18.0 | 27 | 4.3 | 320.9 | 1723 | 19.2 | 26 | 4.4 | 322.9 | 1738 | 18.6 | 25 | 4.1 | 321.1 | 1751 | 18.1 | 27 | 4.2 | 321.0 | 1725 | 825 |
| 850 | 18.1 | 59 | 9.2 | 332.3 | 1468 | 19.8 | 31 | 5.3 | 323.2 | 1481 | 19.3 | 37 | 6.1 | 325.1 | 1495 | 16.3 | 71 | 9.8 | 331.9 | 1470 | 850 |
| 875 | 18.7 | 77 | 11.9 | 337.9 | 1219 | 19.5 | 50 | 8.1 | 328.1 | 1231 | 19.9 | 49 | 8.2 | 329.0 | 1245 | 18.0 | 67 | 10.0 | 331.7 | 1222 | 875 |
| 900 | 19.7 | 83 | 13.4 | 340.2 | 976 | 20.2 | 51 | 8.5 | 327.3 | 989 | 20.5 | 62 | 10.5 | 333.4 | 1002 | 19.6 | 66 | 10.6 | 332.6 | 980 | 900 |
| 925 | 20.6 | 89 | 14.8 | 342.6 | 738 | 21.2 | 66 | 11.4 | 334.0 | 751 | 21.1 | 77 | 13.2 | 338.7 | 765 | 21.2 | 69 | 11.8 | 335.2 | 743 | 925 |
| 950 | 21.5 | 95 | 16.3 | 345.1 | 506 | 22.6 | 82 | 15.1 | 343.1 | 519 | 22.1 | 80 | 14.2 | 340.2 | 532 | 22.8 | 71 | 13.1 | 337.9 | 511 | 950 |
| 975 | 23.1 | 88 | 16.2 | 344.2 | 279 | 24.6 | 74 | 15.0 | 342.8 | 291 | 24.8 | 70 | 14.4 | 341.3 | 305 | 25.0 | 66 | 13.7 | 339.7 | 283 | 975 |
| 1000 | 24.7 | 80 | 15.9 | 342.6 | 57 | 26.5 | 69 | 15.2 | 343.2 | 68 | 27.8 | 68 | 16.2 | 347.5 | 81 | 28.1 | 80 | 19.6 | 357.4 | 59 | 1000 |
| SFC. | 25.1 | 78 | 15.7 | 342.2 | 0 | 26.1 | 87 | 18.7 | 351.4 | 0 | 30.0 | 85 | 23.1 | 368.7 | 0 | 29.6 | 96 | 25.6 | 375.5 | 0 | SFC. |
| | SURFACE PRESSURE 1006.5 | | | | | SURFACE PRESSURE 1007.7 | | | | | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1006.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/ 4 243 GMT T | RH | W | EPT | H | 4/ 4 540 GMT T | RH | W | EPT | H | 4/ 4 9 9 GMT T | RH | W | EPT | H | 4/ 4 1140 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.2 | 0 | 0.0 | 467.2 | 19532 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.9 | 0 | 0.0 | 467.9 | 19426 | -67.5 | 0 | 0.0 | 459.8 | 19472 | 60 |
| 70 | -71.4 | 0 | 0.0 | 431.7 | 18606 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.3 | 12 | .0 | 440.6 | 18494 | -67.9 | 0 | 0.0 | 439.2 | 18543 | 70 |
| 80 | -72.2 | 17 | .0 | 413.8 | 17817 | -73.6 | 18 | .0 | 410.9 | 17737 | -73.1 | 12 | .0 | 411.9 | 17698 | -75.1 | 0 | 0.0 | 407.8 | 17754 | 80 |
| 90 | -77.8 | 17 | .0 | 388.9 | 17135 | -81.2 | 18 | .0 | 382.2 | 17062 | -80.1 | 13 | .0 | 384.3 | 17020 | -80.4 | 18 | .0 | 383.9 | 17081 | 90 |
| 100 | -78.0 | 17 | .0 | 377.1 | 16532 | -78.5 | 18 | .0 | 376.1 | 16465 | -80.8 | 13 | .0 | 371.6 | 16426 | -80.1 | 19 | .0 | 373.0 | 16486 | 100 |
| 110 | -77.0 | 17 | .0 | 368.9 | 15986 | -76.8 | 18 | .0 | 369.1 | 15920 | -78.7 | 13 | .0 | 365.6 | 15886 | -77.7 | 19 | .0 | 367.5 | 15944 | 110 |
| 120 | -76.0 | 17 | .0 | 361.6 | 15485 | -75.3 | 18 | .0 | 362.9 | 15418 | -76.7 | 13 | .0 | 360.2 | 15388 | -75.5 | 19 | .0 | 362.5 | 15443 | 120 |
| 130 | -73.4 | 17 | .0 | 358.1 | 15020 | -75.6 | 18 | .0 | 354.1 | 14955 | -76.8 | 13 | .0 | 351.9 | 14927 | -75.1 | 19 | .0 | 355.1 | 14979 | 130 |
| 140 | -70.7 | 17 | .0 | 355.3 | 14583 | -72.1 | 18 | .0 | 352.7 | 14522 | -73.6 | 16 | .0 | 350.2 | 14498 | -72.6 | 19 | .0 | 351.9 | 14548 | 140 |
| 150 | -67.3 | 16 | .0 | 354.3 | 14171 | -68.9 | 18 | .0 | 351.4 | 14113 | -70.6 | 18 | .0 | 348.5 | 14092 | -69.0 | 18 | .0 | 351.3 | 14139 | 150 |
| 160 | -64.1 | 16 | .0 | 353.2 | 13779 | -65.9 | 18 | .0 | 350.1 | 13724 | -67.8 | 21 | .0 | 346.8 | 13706 | -65.6 | 18 | .0 | 350.6 | 13750 | 160 |
| 170 | -61.1 | 16 | .0 | 352.1 | 13405 | -62.9 | 18 | .0 | 349.0 | 13354 | -65.2 | 23 | .0 | 345.3 | 13339 | -62.4 | 17 | .0 | 349.9 | 13378 | 170 |
| 180 | -58.2 | 15 | .0 | 351.1 | 13047 | -60.2 | 17 | .0 | 347.9 | 12999 | -62.7 | 25 | .0 | 343.7 | 12989 | -60.3 | 17 | .0 | 347.7 | 13023 | 180 |
| 190 | -55.5 | 15 | .0 | 350.1 | 12705 | -57.6 | 17 | .0 | 346.8 | 12660 | -59.9 | 26 | .0 | 342.9 | 12654 | -58.2 | 17 | .0 | 345.6 | 12685 | 190 |
| 200 | -52.6 | 15 | .0 | 349.7 | 12376 | -54.6 | 16 | .0 | 346.4 | 12334 | -56.6 | 25 | .0 | 343.2 | 12331 | -55.2 | 17 | .0 | 345.5 | 12360 | 200 |
| 225 | -45.8 | 15 | .0 | 348.5 | 11603 | -47.8 | 14 | .0 | 345.5 | 11568 | -49.0 | 23 | .0 | 343.6 | 11571 | -48.1 | 17 | .0 | 345.0 | 11596 | 225 |
| 250 | -39.8 | 14 | .1 | 347.2 | 10893 | -41.3 | 15 | .1 | 345.0 | 10863 | -42.3 | 22 | .1 | 343.6 | 10869 | -41.7 | 16 | .1 | 344.3 | 10891 | 250 |
| 275 | -35.6 | 15 | .1 | 344.0 | 10234 | -37.8 | 30 | .2 | 341.2 | 10210 | -36.8 | 22 | .1 | 342.5 | 10216 | -36.0 | 16 | .1 | 343.5 | 10237 | 275 |
| 300 | -31.5 | 17 | .2 | 341.7 | 9624 | -32.6 | 20 | .2 | 340.1 | 9603 | -33.8 | 34 | .3 | 338.8 | 9611 | -33.1 | 32 | .2 | 339.7 | 9629 | 300 |
| 325 | -27.6 | 18 | .2 | 339.5 | 9052 | -28.8 | 33 | .4 | 338.4 | 9035 | -29.0 | 22 | .2 | 337.6 | 9044 | -28.7 | 34 | .4 | 338.6 | 9061 | 325 |
| 350 | -23.4 | 17 | .3 | 338.4 | 8515 | -24.7 | 27 | .4 | 336.9 | 8500 | -24.7 | 32 | .5 | 337.3 | 8509 | -24.6 | 44 | .7 | 338.1 | 8526 | 350 |
| 375 | -19.4 | 15 | .3 | 337.3 | 8006 | -21.2 | 16 | .3 | 334.8 | 7994 | -21.3 | 28 | .5 | 335.4 | 8004 | -20.5 | 20 | .4 | 336.0 | 8020 | 375 |
| 400 | -17.2 | 17 | .4 | 334.3 | 7524 | -19.4 | 18 | .4 | 331.2 | 7516 | -18.2 | 25 | .6 | 333.5 | 7525 | -17.0 | 18 | .5 | 334.6 | 7539 | 400 |
| 425 | -13.9 | 27 | .8 | 334.1 | 7067 | -15.0 | 30 | .8 | 332.8 | 7061 | -15.2 | 21 | .6 | 331.6 | 7069 | -14.0 | 25 | .8 | 333.9 | 7082 | 425 |
| 450 | -10.8 | 29 | 1.1 | 333.5 | 6630 | -12.3 | 25 | .8 | 330.8 | 6626 | -12.4 | 23 | .7 | 330.3 | 6635 | -11.0 | 30 | 1.1 | 333.4 | 6645 | 450 |
| 475 | -7.8 | 13 | .6 | 330.5 | 6212 | -9.3 | 22 | .9 | 329.6 | 6210 | -9.8 | 37 | 1.4 | 330.8 | 6220 | -9.4 | 57 | 2.3 | 334.1 | 6228 | 475 |
| 500 | -5.4 | 14 | .7 | 329.1 | 5812 | -6.6 | 29 | 1.3 | 329.8 | 5811 | -7.3 | 38 | 1.7 | 330.0 | 5822 | -6.3 | 50 | 2.4 | 333.6 | 5829 | 500 |
| 525 | -3.1 | 14 | .8 | 327.7 | 5427 | -3.7 | 25 | 1.4 | 328.8 | 5428 | -4.7 | 15 | .8 | 325.5 | 5440 | -3.6 | 22 | 1.2 | 328.5 | 5445 | 525 |
| 550 | -1.0 | 16 | 1.1 | 326.7 | 5058 | -.9 | 21 | 1.3 | 327.7 | 5059 | -1.8 | 14 | .8 | 324.9 | 5072 | -1.0 | 33 | 2.1 | 330.2 | 5076 | 550 |
| 575 | .8 | 33 | 2.3 | 328.7 | 4702 | 1.0 | 29 | 2.1 | 328.1 | 4703 | .9 | 13 | .9 | 324.3 | 4717 | 1.4 | 44 | 3.2 | 332.3 | 4720 | 575 |
| 600 | 2.4 | 49 | 3.7 | 331.0 | 4359 | 1.4 | 56 | 4.0 | 330.7 | 4360 | 1.6 | 56 | 4.0 | 330.9 | 4374 | 2.4 | 65 | 4.9 | 334.6 | 4376 | 600 |
| 625 | 3.7 | 44 | 3.5 | 328.1 | 4028 | 3.1 | 58 | 4.4 | 330.2 | 4030 | 3.2 | 49 | 3.7 | 328.1 | 4044 | 4.0 | 58 | 4.7 | 332.0 | 4045 | 625 |
| 650 | 6.1 | 45 | 4.1 | 328.9 | 3708 | 4.7 | 59 | 4.9 | 329.6 | 3711 | 4.9 | 55 | 4.6 | 328.9 | 3725 | 6.0 | 49 | 4.4 | 329.9 | 3724 | 650 |
| 675 | 8.4 | 35 | 3.6 | 326.6 | 3397 | 6.6 | 41 | 3.7 | 324.8 | 3402 | 7.2 | 32 | 3.0 | 323.4 | 3416 | 8.0 | 41 | 4.0 | 327.5 | 3414 | 675 |
| 700 | 10.1 | 24 | 2.6 | 322.2 | 3096 | 8.5 | 23 | 2.3 | 319.3 | 3103 | 9.4 | 14 | 1.5 | 317.8 | 3116 | 9.8 | 34 | 3.7 | 325.3 | 3113 | 700 |
| 725 | 11.6 | 21 | 2.4 | 320.0 | 2803 | 9.4 | 74 | 7.6 | 332.8 | 2812 | 10.7 | 33 | 3.7 | 322.8 | 2824 | 12.0 | 31 | 3.8 | 324.7 | 2820 | 725 |
| 750 | 12.8 | 31 | 3.8 | 322.5 | 2520 | 11.2 | 82 | 9.1 | 336.1 | 2529 | 12.5 | 17 | 2.1 | 317.1 | 2541 | 13.6 | 27 | 3.5 | 322.6 | 2536 | 750 |
| 775 | 14.9 | 39 | 5.4 | 326.6 | 2243 | 13.5 | 71 | 8.9 | 335.2 | 2253 | 14.6 | 20 | 2.7 | 318.2 | 2265 | 14.8 | 34 | 4.7 | 324.4 | 2259 | 775 |
| 800 | 16.3 | 26 | 3.8 | 320.6 | 1974 | 15.3 | 75 | 10.3 | 338.0 | 1984 | 15.4 | 36 | 4.9 | 322.8 | 1997 | 16.0 | 41 | 5.9 | 326.4 | 1990 | 800 |
| 825 | 17.0 | 59 | 8.7 | 332.6 | 1712 | 16.4 | 80 | 11.5 | 339.6 | 1722 | 16.0 | 51 | 7.1 | 326.8 | 1735 | 17.1 | 48 | 7.2 | 328.5 | 1728 | 825 |
| 850 | 18.2 | 52 | 8.1 | 329.3 | 1456 | 15.6 | 88 | 11.6 | 336.1 | 1467 | 14.0 | 66 | 7.8 | 323.7 | 1483 | 17.5 | 63 | 9.4 | 332.1 | 1472 | 850 |
| 875 | 18.5 | 74 | 11.4 | 336.1 | 1207 | 17.1 | 88 | 12.5 | 337.4 | 1220 | 17.0 | 97 | 13.7 | 340.6 | 1237 | 18.5 | 80 | 12.4 | 339.0 | 1224 | 875 |
| 900 | 19.4 | 76 | 12.1 | 336.5 | 965 | 18.6 | 88 | 13.4 | 339.0 | 978 | 18.5 | 91 | 13.7 | 339.7 | 995 | 19.4 | 80 | 12.7 | 338.0 | 981 | 900 |
| 925 | 20.4 | 79 | 12.9 | 337.1 | 728 | 20.1 | 89 | 14.3 | 340.6 | 741 | 20.7 | 89 | 15.0 | 343.1 | 758 | 20.6 | 88 | 14.8 | 342.6 | 744 | 925 |
| 950 | 21.3 | 81 | 13.8 | 338.0 | 496 | 21.5 | 89 | 15.3 | 342.3 | 510 | 23.5 | 94 | 18.3 | 353.2 | 525 | 22.0 | 93 | 16.6 | 346.5 | 511 | 950 |
| 975 | 24.5 | 87 | 17.5 | 349.5 | 269 | 23.3 | 85 | 16.0 | 343.9 | 283 | 24.7 | 91 | 18.5 | 352.4 | 296 | 23.9 | 86 | 16.6 | 346.4 | 284 | 975 |
| 1000 | 27.5 | 93 | 22.0 | 363.0 | 45 | 25.7 | 77 | 16.2 | 344.9 | 60 | 24.8 | 82 | 16.3 | 344.0 | 73 | 25.8 | 78 | 16.5 | 345.9 | 61 | 1000 |
| SFC. | 28.1 | 94 | 22.9 | 366.0 | 0 | 26.3 | 75 | 16.3 | 345.1 | 0 | 24.8 | 79 | 15.6 | 341.3 | 0 | 26.3 | 76 | 16.5 | 345.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1005.0 | SURFACE PRESSURE | | | | 1006.8 | SURFACE PRESSURE | | | | 1008.3 | SURFACE PRESSURE | | | | 1006.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/ 4 1745 GMT T | RH | W | EPT | H | 4/ 4 2330 GMT T | RH | W | EPT | H | 4/ 5 630 GMT T | RH | W | EPT | H | 4/ 5 1115 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.0 | 0 | 0.0 | 470.0 | 19621 | -66.3 | 0 | 0.0 | 462.5 | 19570 | -63.7 | 19 | .0 | 468.5 | 19571 | -64.7 | 0 | 0.0 | 466.0 | 19460 | 60 |
| 70 | -65.6 | 14 | .0 | 444.1 | 18676 | -66.7 | 0 | 0.0 | 441.7 | 18634 | -67.6 | 19 | .0 | 439.8 | 18631 | -71.6 | 0 | 0.0 | 431.3 | 18533 | 70 |
| 80 | -68.4 | 14 | .0 | 421.7 | 17872 | -70.6 | 0 | 0.0 | 417.1 | 17836 | -73.6 | 19 | .0 | 411.0 | 17839 | -74.9 | 0 | 0.0 | 408.3 | 17755 | 80 |
| 90 | -75.2 | 14 | .0 | 394.2 | 17176 | -75.7 | 0 | 0.0 | 393.2 | 17142 | -76.7 | 19 | .0 | 391.2 | 17153 | -77.0 | 16 | .0 | 390.6 | 17073 | 90 |
| 100 | -77.1 | 14 | .0 | 378.8 | 16572 | -77.1 | 14 | .0 | 378.8 | 16539 | -79.7 | 19 | .0 | 373.8 | 16554 | -80.6 | 16 | .0 | 372.0 | 16473 | 100 |
| 110 | -74.3 | 14 | .0 | 373.8 | 16021 | -75.9 | 14 | .0 | 370.8 | 15991 | -75.3 | 19 | .0 | 371.9 | 16008 | -76.9 | 16 | .0 | 369.0 | 15930 | 110 |
| 120 | -74.3 | 14 | .0 | 364.7 | 15513 | -77.1 | 14 | .0 | 359.5 | 15490 | -75.6 | 19 | .0 | 362.3 | 15503 | -76.9 | 16 | .0 | 359.9 | 15430 | 120 |
| 130 | -72.7 | 14 | .0 | 359.4 | 15046 | -73.9 | 14 | .0 | 357.1 | 15027 | -73.5 | 19 | .0 | 357.9 | 15038 | -75.1 | 16 | .0 | 355.1 | 14969 | 130 |
| 140 | -69.8 | 14 | .0 | 356.9 | 14608 | -71.0 | 14 | .0 | 354.8 | 14591 | -70.7 | 19 | .0 | 355.3 | 14601 | -71.6 | 16 | .0 | 353.7 | 14535 | 140 |
| 150 | -66.9 | 14 | .0 | 354.9 | 14194 | -67.4 | 14 | .0 | 354.0 | 14179 | -67.9 | 18 | .0 | 353.1 | 14190 | -68.4 | 16 | .0 | 352.3 | 14125 | 150 |
| 160 | -63.9 | 13 | .0 | 353.4 | 13802 | -65.6 | 14 | .0 | 350.7 | 13788 | -65.2 | 18 | .0 | 351.4 | 13799 | -65.4 | 15 | .0 | 351.0 | 13735 | 160 |
| 170 | -61.2 | 13 | .0 | 351.9 | 13428 | -62.7 | 14 | .0 | 349.4 | 13417 | -62.0 | 18 | .0 | 350.5 | 13427 | -62.5 | 15 | .0 | 349.7 | 13363 | 170 |
| 180 | -58.6 | 12 | .0 | 350.5 | 13071 | -59.7 | 13 | .0 | 348.7 | 13062 | -59.1 | 18 | .0 | 349.7 | 13071 | -59.9 | 15 | .0 | 348.4 | 13008 | 180 |
| 190 | -56.0 | 12 | .0 | 349.3 | 12729 | -56.8 | 13 | .0 | 347.9 | 12722 | -56.3 | 18 | .0 | 348.8 | 12730 | -57.3 | 15 | .0 | 347.1 | 12669 | 190 |
| 200 | -52.9 | 12 | .0 | 349.1 | 12400 | -53.9 | 13 | .0 | 347.4 | 12395 | -53.5 | 18 | .0 | 348.1 | 12402 | -54.9 | 15 | .0 | 345.9 | 12343 | 200 |
| 225 | -45.9 | 11 | .0 | 348.4 | 11629 | -46.5 | 12 | .0 | 347.4 | 11626 | -46.9 | 16 | .0 | 346.9 | 11633 | -47.8 | 14 | .0 | 345.4 | 11578 | 225 |
| 250 | -40.2 | 11 | .1 | 346.6 | 10918 | -40.6 | 12 | .1 | 345.9 | 10917 | -41.1 | 16 | .1 | 345.3 | 10926 | -41.2 | 13 | .1 | 345.1 | 10873 | 250 |
| 275 | -35.2 | 12 | .1 | 344.6 | 10261 | -35.6 | 11 | .1 | 344.0 | 10261 | -35.8 | 15 | .1 | 343.8 | 10271 | -35.2 | 13 | .1 | 344.6 | 10217 | 275 |
| 300 | -31.6 | 14 | .1 | 341.4 | 9649 | -31.0 | 11 | .1 | 342.1 | 9650 | -31.0 | 15 | .1 | 342.3 | 9660 | -30.2 | 12 | .1 | 343.4 | 9604 | 300 |
| 325 | -28.9 | 20 | .2 | 337.7 | 9081 | -28.3 | 15 | .2 | 338.4 | 9078 | -26.6 | 15 | .2 | 340.8 | 9087 | -27.0 | 13 | .2 | 340.2 | 9030 | 325 |
| 350 | -25.1 | 23 | .3 | 336.2 | 8546 | -24.7 | 15 | .2 | 336.4 | 8543 | -25.4 | 36 | .5 | 336.4 | 8550 | -24.4 | 15 | .2 | 336.8 | 8493 | 350 |
| 375 | -20.9 | 18 | .4 | 335.3 | 8041 | -20.7 | 14 | .3 | 335.3 | 8037 | -21.0 | 28 | .5 | 335.9 | 8045 | -22.4 | 20 | .3 | 333.2 | 7990 | 375 |
| 400 | -17.0 | 14 | .4 | 334.3 | 7560 | -16.9 | 12 | .3 | 334.2 | 7556 | -16.8 | 20 | .5 | 335.1 | 7564 | -18.3 | 21 | .5 | 333.0 | 7512 | 400 |
| 425 | -13.8 | 23 | .7 | 333.9 | 7103 | -13.7 | 14 | .4 | 333.1 | 7098 | -13.0 | 22 | .7 | 335.0 | 7105 | -14.5 | 19 | .6 | 332.5 | 7056 | 425 |
| 450 | -10.8 | 30 | 1.1 | 333.7 | 6666 | -10.6 | 17 | .6 | 332.2 | 6661 | -9.4 | 24 | 1.0 | 335.0 | 6667 | -10.9 | 17 | .6 | 331.9 | 6620 | 450 |
| 475 | -9.0 | 49 | 2.0 | 333.7 | 6249 | -7.7 | 19 | .8 | 331.4 | 6243 | -7.3 | 37 | 1.7 | 334.9 | 6247 | -8.7 | 18 | .7 | 329.9 | 6202 | 475 |
| 500 | -5.5 | 22 | 1.1 | 330.3 | 5849 | -5.5 | 37 | 1.9 | 332.8 | 5842 | -5.3 | 49 | 2.5 | 335.2 | 5846 | -6.8 | 53 | 2.4 | 333.0 | 5803 | 500 |
| 525 | -3.0 | 13 | .8 | 327.6 | 5465 | -3.1 | 35 | 2.0 | 331.7 | 5458 | -3.2 | 50 | 2.9 | 334.2 | 5461 | -5.1 | 43 | 2.2 | 329.6 | 5421 | 525 |
| 550 | -1.0 | 20 | 1.3 | 327.4 | 5095 | -.5 | 22 | 1.4 | 328.5 | 5088 | -.4 | 53 | 3.5 | 335.3 | 5091 | -2.8 | 51 | 2.9 | 330.3 | 5054 | 550 |
| 575 | .8 | 37 | 2.6 | 329.6 | 4739 | 1.7 | 23 | 1.7 | 327.9 | 4731 | 1.9 | 34 | 2.6 | 331.1 | 4733 | .0 | 35 | 2.3 | 327.8 | 4700 | 575 |
| 600 | 2.8 | 64 | 5.0 | 335.4 | 4396 | 3.7 | 34 | 2.9 | 329.9 | 4387 | 3.8 | 44 | 3.6 | 332.4 | 4389 | 1.7 | 48 | 3.5 | 329.5 | 4357 | 600 |
| 625 | 4.6 | 50 | 4.2 | 331.3 | 4064 | 5.6 | 46 | 4.2 | 332.3 | 4054 | 5.5 | 52 | 4.8 | 334.1 | 4056 | 3.4 | 50 | 3.9 | 328.9 | 4027 | 625 |
| 650 | 6.2 | 53 | 4.8 | 331.4 | 3743 | 7.6 | 36 | 3.6 | 329.4 | 3732 | 7.2 | 55 | 5.4 | 334.2 | 3734 | 5.1 | 48 | 4.1 | 327.7 | 3708 | 650 |
| 675 | 8.9 | 49 | 5.2 | 332.0 | 3432 | 9.6 | 40 | 4.4 | 330.6 | 3420 | 9.0 | 59 | 6.3 | 335.5 | 3422 | 6.8 | 58 | 5.3 | 329.8 | 3398 | 675 |
| 700 | 11.1 | 50 | 6.0 | 333.5 | 3129 | 11.6 | 37 | 4.5 | 329.7 | 3117 | 10.6 | 44 | 5.0 | 330.2 | 3119 | 8.5 | 30 | 3.0 | 321.6 | 3099 | 700 |
| 725 | 12.9 | 48 | 6.1 | 332.8 | 2835 | 13.4 | 24 | 3.1 | 324.3 | 2822 | 12.4 | 41 | 5.0 | 328.9 | 2826 | 10.5 | 19 | 2.1 | 317.9 | 2808 | 725 |
| 750 | 14.6 | 26 | 3.5 | 323.8 | 2550 | 14.8 | 21 | 2.9 | 322.1 | 2537 | 14.0 | 38 | 5.1 | 327.9 | 2541 | 12.7 | 20 | 2.4 | 318.1 | 2525 | 750 |
| 775 | 15.8 | 31 | 4.4 | 324.8 | 2272 | 15.6 | 32 | 4.7 | 325.3 | 2259 | 15.6 | 36 | 5.2 | 326.8 | 2263 | 14.5 | 24 | 3.2 | 319.5 | 2249 | 775 |
| 800 | 17.7 | 27 | 4.3 | 323.8 | 2002 | 16.6 | 38 | 5.7 | 326.5 | 1989 | 17.2 | 34 | 5.2 | 325.7 | 1993 | 15.2 | 28 | 3.8 | 319.2 | 1980 | 800 |
| 825 | 17.7 | 48 | 7.4 | 329.8 | 1739 | 17.2 | 48 | 7.1 | 328.3 | 1727 | 17.3 | 61 | 9.2 | 334.5 | 1730 | 16.1 | 51 | 7.1 | 327.0 | 1719 | 825 |
| 850 | 17.5 | 74 | 11.1 | 336.9 | 1483 | 17.7 | 67 | 10.1 | 334.4 | 1472 | 17.6 | 84 | 12.6 | 341.4 | 1474 | 16.3 | 77 | 10.6 | 334.0 | 1465 | 850 |
| 875 | 18.6 | 80 | 12.4 | 339.1 | 1234 | 19.1 | 70 | 11.2 | 336.6 | 1223 | 19.1 | 82 | 13.2 | 341.8 | 1225 | 17.8 | 89 | 13.2 | 340.1 | 1217 | 875 |
| 900 | 20.1 | 82 | 13.5 | 341.2 | 991 | 20.5 | 73 | 12.5 | 338.9 | 979 | 20.5 | 80 | 13.6 | 342.1 | 981 | 19.3 | 95 | 15.0 | 344.2 | 974 | 900 |
| 925 | 21.4 | 84 | 14.7 | 343.5 | 753 | 21.9 | 76 | 13.8 | 341.3 | 741 | 21.9 | 78 | 14.1 | 342.4 | 743 | 20.2 | 93 | 15.2 | 343.3 | 737 | 925 |
| 950 | 22.8 | 86 | 16.0 | 345.9 | 520 | 23.2 | 79 | 15.1 | 344.0 | 508 | 23.2 | 76 | 14.6 | 342.6 | 510 | 21.2 | 92 | 15.5 | 342.5 | 506 | 950 |
| 975 | 24.4 | 83 | 16.6 | 346.8 | 292 | 24.9 | 78 | 16.1 | 346.2 | 280 | 24.6 | 84 | 17.0 | 348.2 | 282 | 24.0 | 86 | 16.7 | 346.5 | 278 | 975 |
| 1000 | 25.9 | 84 | 18.0 | 350.0 | 69 | 27.4 | 75 | 17.4 | 350.3 | 56 | 26.7 | 82 | 18.4 | 352.2 | 58 | 26.6 | 79 | 17.8 | 350.3 | 55 | 1000 |
| SFC. | 26.1 | 92 | 19.8 | 354.4 | 0 | 28.3 | 93 | 22.9 | 366.2 | 0 | 27.2 | 82 | 18.8 | 353.3 | 0 | 27.3 | 78 | 18.0 | 351.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.8 | SURFACE PRESSURE | | | | 1006.3 | SURFACE PRESSURE | | | | 1006.6 | SURFACE PRESSURE | | | | 1006.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 4/ 5 18 0 GMT | | | | | 4/ 5 2325 GMT | | | | | 4/ 6 6 7 GMT | | | | | 4/ 6 1213 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -61.5 | 0 | 0.0 | 473.3 | 19569 | -63.6 | 0 | 0.0 | 468.7 | 19603 | -67.3 | 0 | 0.0 | 460.3 | 19497 | -64.8 | 0 | 0.0 | 465.9 | 19544 | 60 |
| 70 | -66.4 | 13 | .0 | 442.4 | 18626 | -64.5 | 0 | 0.0 | 446.4 | 18662 | -68.9 | 18 | .0 | 437.1 | 18570 | -68.0 | 0 | 0.0 | 438.9 | 18611 | 70 |
| 80 | -73.3 | 13 | .0 | 411.5 | 17829 | -70.5 | 12 | .0 | 417.3 | 17854 | -73.4 | 18 | .0 | 411.4 | 17783 | -73.8 | 19 | .0 | 410.6 | 17820 | 80 |
| 90 | -79.3 | 13 | .0 | 386.1 | 17152 | -78.5 | 13 | .0 | 387.7 | 17169 | -77.5 | 18 | .0 | 389.7 | 17097 | -78.8 | 19 | .0 | 386.9 | 17141 | 90 |
| 100 | -80.5 | 12 | .0 | 372.2 | 16555 | -80.5 | 13 | .0 | 372.2 | 16572 | -82.5 | 18 | .0 | 368.4 | 16503 | -81.9 | 19 | .0 | 369.5 | 16548 | 100 |
| 110 | -77.3 | 12 | .0 | 368.3 | 16012 | -80.2 | 13 | .0 | 362.8 | 16030 | -79.6 | 18 | .0 | 364.0 | 15967 | -78.3 | 19 | .0 | 366.4 | 16009 | 110 |
| 120 | -77.6 | 13 | .0 | 358.6 | 15516 | -77.3 | 12 | .0 | 359.3 | 15534 | -80.2 | 18 | .0 | 353.8 | 15476 | -78.3 | 19 | .0 | 357.3 | 15511 | 120 |
| 130 | -75.0 | 12 | .0 | 355.2 | 15054 | -74.4 | 12 | .0 | 356.3 | 15072 | -77.5 | 17 | .0 | 350.7 | 15020 | -75.3 | 19 | .0 | 354.6 | 15052 | 130 |
| 140 | -71.4 | 12 | .0 | 354.0 | 14620 | -71.4 | 12 | .0 | 354.0 | 14637 | -74.2 | 17 | .0 | 349.1 | 14592 | -71.8 | 18 | .0 | 353.3 | 14619 | 140 |
| 150 | -68.1 | 12 | .0 | 352.8 | 14209 | -68.7 | 12 | .0 | 351.8 | 14227 | -70.4 | 17 | .0 | 348.8 | 14187 | -68.5 | 17 | .0 | 352.1 | 14208 | 150 |
| 160 | -65.0 | 12 | .0 | 351.7 | 13819 | -65.5 | 12 | .0 | 350.8 | 13838 | -66.9 | 16 | .0 | 348.4 | 13800 | -65.4 | 16 | .0 | 350.9 | 13819 | 160 |
| 170 | -61.7 | 12 | .0 | 351.0 | 13446 | -61.9 | 12 | .0 | 350.8 | 13466 | -63.6 | 16 | .0 | 347.9 | 13431 | -62.5 | 16 | .0 | 349.6 | 13447 | 170 |
| 180 | -58.7 | 12 | .0 | 350.3 | 13090 | -58.4 | 12 | .0 | 350.7 | 13109 | -60.4 | 16 | .0 | 347.5 | 13078 | -59.8 | 15 | .0 | 348.4 | 13093 | 180 |
| 190 | -55.8 | 11 | .0 | 349.6 | 12748 | -55.2 | 11 | .0 | 350.5 | 12767 | -57.2 | 16 | .0 | 347.2 | 12738 | -56.8 | 15 | .0 | 347.9 | 12753 | 190 |
| 200 | -53.1 | 11 | .0 | 348.8 | 12419 | -52.1 | 11 | .0 | 350.3 | 12437 | -54.2 | 15 | .0 | 347.0 | 12412 | -53.9 | 15 | .0 | 347.5 | 12425 | 200 |
| 225 | -46.5 | 11 | .0 | 347.5 | 11649 | -45.2 | 11 | .0 | 349.4 | 11663 | -47.4 | 14 | .0 | 346.1 | 11645 | -47.2 | 15 | .0 | 346.4 | 11658 | 225 |
| 250 | -40.4 | 11 | .0 | 346.3 | 10940 | -39.3 | 11 | .1 | 347.9 | 10950 | -41.2 | 14 | .1 | 345.1 | 10939 | -41.2 | 15 | .1 | 345.1 | 10951 | 250 |
| 275 | -34.9 | 10 | .1 | 345.0 | 10283 | -33.9 | 11 | .1 | 346.5 | 10290 | -35.6 | 13 | .1 | 344.0 | 10283 | -35.7 | 15 | .1 | 343.9 | 10296 | 275 |
| 300 | -29.9 | 10 | .1 | 343.7 | 9669 | -28.8 | 11 | .1 | 345.4 | 9674 | -30.5 | 13 | .1 | 342.9 | 9672 | -30.0 | 15 | .2 | 343.8 | 9684 | 300 |
| 325 | -25.4 | 10 | .1 | 342.3 | 9093 | -24.1 | 10 | .2 | 344.2 | 9095 | -25.8 | 12 | .2 | 341.8 | 9097 | -25.0 | 15 | .2 | 343.2 | 9107 | 325 |
| 350 | -21.5 | 10 | .2 | 340.6 | 8552 | -19.8 | 10 | .2 | 343.1 | 8550 | -21.5 | 12 | .2 | 340.7 | 8556 | -20.7 | 14 | .3 | 342.1 | 8564 | 350 |
| 375 | -20.2 | 13 | .3 | 335.9 | 8041 | -17.2 | 11 | .3 | 340.0 | 8034 | -17.9 | 12 | .3 | 339.1 | 8043 | -16.8 | 14 | .4 | 341.0 | 8050 | 375 |
| 400 | -16.5 | 12 | .3 | 334.8 | 7560 | -16.3 | 12 | .3 | 335.1 | 7551 | -16.4 | 13 | .3 | 335.0 | 7559 | -16.2 | 13 | .4 | 335.3 | 7564 | 400 |
| 425 | -13.2 | 15 | .5 | 334.0 | 7101 | -12.2 | 11 | .4 | 334.8 | 7092 | -12.5 | 13 | .4 | 334.7 | 7100 | -13.4 | 15 | .5 | 333.5 | 7105 | 425 |
| 450 | -9.9 | 13 | .5 | 332.8 | 6663 | -8.4 | 10 | .5 | 334.5 | 6652 | -8.8 | 13 | .6 | 334.3 | 6661 | -10.8 | 16 | .6 | 331.9 | 6668 | 450 |
| 475 | -7.2 | 13 | .6 | 331.4 | 6244 | -6.0 | 20 | 1.0 | 334.3 | 6230 | -5.8 | 18 | 1.0 | 334.3 | 6239 | -7.2 | 85 | 4.0 | 342.5 | 6251 | 475 |
| 500 | -6.7 | 30 | 1.4 | 329.7 | 5844 | -4.5 | 29 | 1.6 | 333.1 | 5827 | -4.6 | 49 | 2.7 | 336.6 | 5836 | -5.4 | 74 | 3.8 | 339.1 | 5849 | 500 |
| 525 | -3.9 | 37 | 2.0 | 330.6 | 5460 | -2.9 | 33 | 1.9 | 331.5 | 5442 | -3.3 | 68 | 3.9 | 337.3 | 5451 | -3.9 | 77 | 4.2 | 337.5 | 5464 | 525 |
| 550 | -1.2 | 43 | 2.7 | 331.8 | 5091 | -.9 | 32 | 2.1 | 330.2 | 5072 | -1.5 | 57 | 3.6 | 334.2 | 5081 | -1.9 | 63 | 3.8 | 334.4 | 5095 | 550 |
| 575 | 1.4 | 23 | 1.7 | 327.6 | 4735 | .7 | 42 | 3.0 | 330.7 | 4716 | 1.1 | 56 | 4.0 | 334.3 | 4725 | 1.2 | 66 | 4.8 | 336.8 | 4739 | 575 |
| 600 | 2.9 | 38 | 3.0 | 329.4 | 4392 | 2.7 | 45 | 3.5 | 330.7 | 4373 | 2.8 | 59 | 4.5 | 334.0 | 4381 | 3.6 | 57 | 4.7 | 335.4 | 4395 | 600 |
| 625 | 4.7 | 42 | 3.6 | 329.4 | 4060 | 5.1 | 40 | 3.5 | 329.6 | 4041 | 4.9 | 54 | 4.7 | 333.1 | 4049 | 5.7 | 42 | 3.9 | 331.6 | 4062 | 625 |
| 650 | 6.9 | 40 | 3.9 | 329.3 | 3739 | 7.3 | 35 | 3.4 | 328.3 | 3719 | 7.3 | 41 | 4.0 | 330.1 | 3728 | 7.8 | 28 | 2.8 | 327.1 | 3740 | 650 |
| 675 | 9.6 | 41 | 4.5 | 331.0 | 3427 | 9.1 | 36 | 3.8 | 328.2 | 3408 | 9.5 | 28 | 3.1 | 326.4 | 3416 | 9.7 | 20 | 2.2 | 323.9 | 3428 | 675 |
| 700 | 11.1 | 43 | 5.2 | 331.2 | 3124 | 11.1 | 16 | 1.9 | 321.1 | 3105 | 11.6 | 19 | 2.3 | 322.9 | 3113 | 11.5 | 26 | 3.2 | 325.6 | 3125 | 700 |
| 725 | 12.8 | 16 | 2.0 | 320.3 | 2830 | 12.3 | 15 | 1.8 | 319.0 | 2812 | 13.2 | 23 | 3.0 | 323.7 | 2820 | 13.2 | 32 | 4.2 | 327.6 | 2831 | 725 |
| 750 | 14.6 | 16 | 2.2 | 319.7 | 2545 | 13.2 | 18 | 2.3 | 318.4 | 2528 | 14.8 | 27 | 3.8 | 324.7 | 2534 | 14.9 | 38 | 5.4 | 329.8 | 2545 | 750 |
| 775 | 16.3 | 18 | 2.7 | 320.1 | 2268 | 13.7 | 28 | 3.6 | 319.9 | 2252 | 16.3 | 31 | 4.6 | 325.9 | 2256 | 15.7 | 43 | 6.2 | 329.9 | 2267 | 775 |
| 800 | 17.8 | 32 | 5.0 | 325.9 | 1997 | 14.2 | 60 | 7.6 | 329.0 | 1985 | 17.4 | 34 | 5.4 | 326.4 | 1985 | 16.3 | 55 | 8.0 | 332.7 | 1997 | 800 |
| 825 | 17.6 | 49 | 7.6 | 330.2 | 1734 | 15.1 | 86 | 11.3 | 337.6 | 1724 | 17.7 | 38 | 5.9 | 325.3 | 1722 | 16.7 | 74 | 10.9 | 338.4 | 1734 | 825 |
| 850 | 17.5 | 72 | 10.7 | 336.0 | 1479 | 16.5 | 89 | 12.5 | 339.6 | 1469 | 17.4 | 78 | 11.6 | 338.4 | 1467 | 17.3 | 92 | 13.6 | 343.6 | 1479 | 850 |
| 875 | 19.1 | 72 | 11.4 | 336.9 | 1230 | 18.7 | 82 | 12.9 | 340.5 | 1221 | 18.0 | 95 | 14.2 | 343.4 | 1218 | 19.1 | 97 | 15.6 | 348.7 | 1229 | 875 |
| 900 | 20.9 | 70 | 12.3 | 338.8 | 986 | 20.6 | 78 | 13.3 | 341.4 | 977 | 20.0 | 83 | 13.6 | 341.4 | 975 | 20.4 | 96 | 16.4 | 349.4 | 985 | 900 |
| 925 | 22.7 | 69 | 13.2 | 340.8 | 748 | 21.6 | 82 | 14.6 | 343.4 | 739 | 21.4 | 81 | 14.1 | 341.7 | 737 | 21.6 | 95 | 17.0 | 350.0 | 747 | 925 |
| 950 | 24.0 | 74 | 14.9 | 344.3 | 514 | 22.6 | 87 | 15.9 | 345.4 | 506 | 22.4 | 85 | 15.4 | 343.9 | 505 | 22.8 | 95 | 17.7 | 350.5 | 514 | 950 |
| 975 | 25.4 | 76 | 16.2 | 347.2 | 286 | 24.8 | 75 | 15.4 | 344.1 | 279 | 24.3 | 80 | 16.0 | 344.9 | 277 | 24.3 | 92 | 18.3 | 351.3 | 286 | 975 |
| 1000 | 27.4 | 77 | 18.0 | 352.0 | 61 | 28.4 | 76 | 18.7 | 355.3 | 55 | 26.1 | 76 | 16.4 | 345.8 | 54 | 26.6 | 83 | 18.6 | 352.4 | 62 | 1000 |
| SFC. | 27.8 | 84 | 20.0 | 357.3 | 0 | 30.0 | 84 | 22.8 | 368.4 | 0 | 26.5 | 75 | 16.5 | 346.0 | 0 | 27.2 | 81 | 18.6 | 352.6 | 0 | SFC. |
| | SURFACE PRESSURE 1006.9 | | | | | SURFACE PRESSURE 1006.1 | | | | | SURFACE PRESSURE 1006.1 | | | | | SURFACE PRESSURE 1007.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 4/ 6 1514 GMT | | | | | 4/ 6 18 4 GMT | | | | | 4/ 6 2130 GMT | | | | | 4/ 6 2325 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.2 | 0 | 0.0 | 465.0 | 19526 | -67.9 | 0 | 0.0 | 458.9 | 19591 | -65.1 | 0 | 0.0 | 465.2 | 19623 | -68.5 | 0 | 0.0 | 457.6 | 19635 | 60 |
| 70 | -68.2 | 0 | 0.0 | 438.4 | 18597 | -66.9 | 0 | 0.0 | 441.3 | 18662 | -68.1 | 0 | 0.0 | 438.8 | 18690 | -65.3 | 0 | 0.0 | 444.7 | 18704 | 70 |
| 80 | -71.0 | 0 | 0.0 | 416.3 | 17799 | -71.3 | 17 | .0 | 415.7 | 17860 | -70.0 | 15 | .0 | 418.3 | 17893 | -68.3 | 14 | .0 | 422.0 | 17898 | 80 |
| 90 | -76.8 | 20 | .0 | 391.0 | 17111 | -78.5 | 17 | .0 | 387.5 | 17176 | -77.9 | 15 | .0 | 388.9 | 17209 | -79.2 | 14 | .0 | 386.2 | 17205 | 90 |
| 100 | -82.5 | 20 | .0 | 368.4 | 16514 | -79.9 | 17 | .0 | 373.4 | 16579 | -79.4 | 15 | .0 | 374.3 | 16609 | -80.3 | 15 | .0 | 372.6 | 16609 | 100 |
| 110 | -78.8 | 20 | .0 | 365.5 | 15976 | -76.1 | 17 | .0 | 370.5 | 16034 | -76.1 | 16 | .0 | 370.6 | 16063 | -76.1 | 15 | .0 | 370.5 | 16064 | 110 |
| 120 | -76.2 | 20 | .0 | 361.2 | 15477 | -76.6 | 17 | .0 | 360.4 | 15532 | -77.2 | 16 | .0 | 359.4 | 15560 | -75.1 | 15 | .0 | 363.2 | 15560 | 120 |
| 130 | -75.4 | 20 | .0 | 354.5 | 15015 | -73.5 | 17 | .0 | 357.9 | 15068 | -73.7 | 16 | .0 | 357.5 | 15097 | -72.5 | 14 | .0 | 359.6 | 15094 | 130 |
| 140 | -71.9 | 20 | .0 | 353.1 | 14582 | -70.6 | 17 | .0 | 355.5 | 14632 | -70.4 | 15 | .0 | 355.7 | 14660 | -69.5 | 14 | .0 | 357.4 | 14655 | 140 |
| 150 | -68.7 | 20 | .0 | 351.8 | 14173 | -67.8 | 17 | .0 | 353.3 | 14219 | -67.4 | 15 | .0 | 354.0 | 14248 | -66.7 | 14 | .0 | 355.2 | 14241 | 150 |
| 160 | -65.7 | 19 | .0 | 350.5 | 13783 | -65.1 | 17 | .0 | 351.4 | 13829 | -64.6 | 15 | .0 | 352.2 | 13856 | -64.1 | 15 | .0 | 353.2 | 13848 | 160 |
| 170 | -62.8 | 19 | .0 | 349.2 | 13412 | -61.9 | 17 | .0 | 350.7 | 13457 | -62.1 | 15 | .0 | 350.5 | 13484 | -61.4 | 15 | .0 | 351.6 | 13474 | 170 |
| 180 | -60.0 | 19 | .0 | 348.2 | 13058 | -58.9 | 17 | .0 | 349.9 | 13101 | -58.7 | 15 | .0 | 350.2 | 13128 | -58.3 | 15 | .0 | 350.9 | 13117 | 180 |
| 190 | -57.3 | 19 | .0 | 347.2 | 12718 | -56.1 | 16 | .0 | 349.1 | 12759 | -55.5 | 15 | .0 | 350.0 | 12786 | -55.5 | 14 | .0 | 350.1 | 12775 | 190 |
| 200 | -54.7 | 19 | .0 | 346.3 | 12392 | -53.4 | 16 | .0 | 348.4 | 12431 | -52.6 | 15 | .0 | 349.5 | 12456 | -52.8 | 14 | .0 | 349.3 | 12446 | 200 |
| 225 | -48.1 | 18 | .0 | 345.0 | 11627 | -47.2 | 16 | .0 | 346.4 | 11662 | -46.2 | 15 | .0 | 348.0 | 11685 | -46.5 | 13 | .0 | 347.4 | 11675 | 225 |
| 250 | -42.2 | 17 | .1 | 343.7 | 10924 | -40.8 | 15 | .1 | 345.6 | 10956 | -40.4 | 14 | .1 | 346.4 | 10975 | -40.8 | 13 | .1 | 345.7 | 10967 | 250 |
| 275 | -36.1 | 16 | .1 | 343.4 | 10271 | -35.1 | 15 | .1 | 344.9 | 10299 | -35.1 | 14 | .1 | 344.8 | 10318 | -34.8 | 12 | .1 | 345.2 | 10310 | 275 |
| 300 | -30.5 | 16 | .2 | 343.1 | 9659 | -29.8 | 14 | .2 | 344.0 | 9686 | -30.3 | 14 | .1 | 343.3 | 9705 | -29.4 | 12 | .1 | 344.6 | 9696 | 300 |
| 325 | -25.3 | 15 | .2 | 342.8 | 9084 | -25.2 | 14 | .2 | 342.9 | 9110 | -24.8 | 13 | .2 | 343.4 | 9130 | -24.3 | 11 | .2 | 343.9 | 9118 | 325 |
| 350 | -21.1 | 15 | .3 | 341.5 | 8542 | -21.0 | 14 | .3 | 341.6 | 8567 | -20.2 | 12 | .3 | 342.6 | 8585 | -19.7 | 11 | .3 | 343.2 | 8573 | 350 |
| 375 | -17.4 | 14 | .4 | 340.0 | 8029 | -17.0 | 14 | .4 | 340.6 | 8053 | -17.2 | 12 | .3 | 340.1 | 8071 | -16.5 | 11 | .3 | 341.1 | 8058 | 375 |
| 400 | -16.1 | 14 | .4 | 335.6 | 7543 | -15.6 | 14 | .4 | 336.3 | 7567 | -15.9 | 14 | .4 | 335.8 | 7586 | -15.9 | 14 | .4 | 335.8 | 7572 | 400 |
| 425 | -12.9 | 16 | .5 | 334.4 | 7084 | -12.8 | 16 | .5 | 334.7 | 7107 | -12.0 | 13 | .5 | 335.4 | 7126 | -12.0 | 13 | .5 | 335.4 | 7112 | 425 |
| 450 | -10.0 | 31 | 1.3 | 335.2 | 6645 | -9.4 | 17 | .7 | 334.1 | 6668 | -8.4 | 13 | .6 | 334.9 | 6686 | -8.3 | 12 | .6 | 334.9 | 6671 | 450 |
| 475 | -8.1 | 57 | 2.5 | 336.5 | 6227 | -7.0 | 25 | 1.2 | 333.6 | 6248 | -6.0 | 23 | 1.2 | 334.8 | 6264 | -5.6 | 19 | 1.0 | 334.6 | 6250 | 475 |
| 500 | -7.3 | 96 | 4.3 | 338.2 | 5827 | -8.4 | 76 | 3.1 | 333.1 | 5849 | -5.8 | 30 | 1.5 | 331.2 | 5862 | -4.3 | 31 | 1.7 | 333.9 | 5846 | 500 |
| 525 | -5.0 | 86 | 4.3 | 336.5 | 5445 | -5.1 | 60 | 3.0 | 332.2 | 5468 | -4.3 | 44 | 2.3 | 331.2 | 5479 | -4.1 | 43 | 2.3 | 331.5 | 5462 | 525 |
| 550 | -2.7 | 72 | 4.1 | 334.3 | 5077 | -2.3 | 51 | 3.0 | 331.2 | 5100 | -1.5 | 36 | 2.3 | 330.0 | 5110 | -1.2 | 36 | 2.3 | 330.4 | 5093 | 550 |
| 575 | -.5 | 62 | 4.0 | 332.4 | 4722 | .1 | 54 | 3.6 | 332.0 | 4745 | 1.2 | 29 | 2.1 | 328.6 | 4754 | 1.6 | 28 | 2.1 | 329.0 | 4736 | 575 |
| 600 | 1.5 | 67 | 4.8 | 333.1 | 4380 | 2.3 | 65 | 4.9 | 334.7 | 4403 | 3.5 | 32 | 2.6 | 328.9 | 4410 | 3.8 | 30 | 2.5 | 329.0 | 4392 | 600 |
| 625 | 3.9 | 41 | 3.3 | 327.5 | 4050 | 4.6 | 49 | 4.1 | 331.1 | 4071 | 5.5 | 32 | 2.9 | 328.4 | 4077 | 6.0 | 34 | 3.1 | 329.6 | 4059 | 625 |
| 650 | 6.2 | 20 | 1.8 | 321.9 | 3730 | 6.7 | 30 | 2.8 | 325.8 | 3750 | 7.5 | 18 | 1.7 | 323.4 | 3756 | 8.0 | 18 | 1.9 | 324.3 | 3737 | 650 |
| 675 | 8.3 | 23 | 2.4 | 322.7 | 3420 | 9.0 | 22 | 2.3 | 323.4 | 3439 | 9.7 | 18 | 2.0 | 323.2 | 3444 | 9.8 | 23 | 2.5 | 324.9 | 3425 | 675 |
| 700 | 10.4 | 27 | 3.0 | 323.8 | 3118 | 10.9 | 26 | 3.0 | 324.4 | 3137 | 11.7 | 19 | 2.3 | 323.3 | 3141 | 11.7 | 24 | 3.0 | 325.2 | 3122 | 700 |
| 725 | 12.3 | 31 | 3.8 | 325.2 | 2825 | 12.8 | 30 | 3.8 | 325.7 | 2843 | 13.7 | 20 | 2.7 | 323.4 | 2847 | 13.8 | 21 | 2.9 | 324.0 | 2828 | 725 |
| 750 | 13.3 | 45 | 5.7 | 328.8 | 2541 | 14.6 | 34 | 4.7 | 327.3 | 2558 | 15.6 | 21 | 3.1 | 323.7 | 2561 | 15.8 | 18 | 2.7 | 322.6 | 2541 | 750 |
| 775 | 13.7 | 55 | 7.1 | 330.0 | 2264 | 13.9 | 54 | 7.0 | 330.2 | 2281 | 17.5 | 22 | 3.5 | 324.1 | 2282 | 16.5 | 27 | 4.1 | 324.6 | 2263 | 775 |
| 800 | 14.1 | 63 | 8.0 | 330.1 | 1996 | 14.3 | 82 | 10.6 | 337.7 | 2013 | 16.8 | 35 | 5.2 | 325.3 | 2011 | 16.5 | 42 | 6.2 | 327.9 | 1992 | 800 |
| 825 | 14.5 | 93 | 11.7 | 338.0 | 1736 | 16.2 | 82 | 11.5 | 339.5 | 1751 | 16.8 | 59 | 8.6 | 332.0 | 1749 | 17.2 | 51 | 7.7 | 330.0 | 1730 | 825 |
| 850 | 16.4 | 91 | 12.7 | 340.0 | 1481 | 18.0 | 79 | 12.1 | 340.4 | 1496 | 18.2 | 60 | 9.2 | 332.6 | 1494 | 18.4 | 56 | 8.7 | 331.4 | 1475 | 850 |
| 875 | 18.2 | 90 | 13.6 | 342.0 | 1233 | 19.1 | 80 | 12.9 | 341.1 | 1246 | 19.5 | 61 | 9.9 | 333.3 | 1244 | 19.5 | 60 | 9.8 | 333.1 | 1225 | 875 |
| 900 | 20.0 | 88 | 14.6 | 344.0 | 990 | 20.4 | 82 | 13.9 | 342.5 | 1002 | 20.8 | 61 | 10.6 | 334.1 | 1001 | 20.7 | 64 | 11.0 | 334.8 | 982 | 900 |
| 925 | 21.8 | 87 | 15.5 | 346.1 | 752 | 21.8 | 83 | 14.9 | 344.3 | 764 | 22.1 | 62 | 11.3 | 334.9 | 763 | 21.7 | 68 | 12.1 | 336.6 | 744 | 925 |
| 950 | 23.5 | 85 | 16.5 | 348.2 | 518 | 23.2 | 84 | 16.0 | 346.4 | 531 | 23.9 | 65 | 12.9 | 338.8 | 530 | 23.1 | 70 | 13.2 | 338.6 | 511 | 950 |
| 975 | 25.1 | 84 | 17.5 | 350.4 | 290 | 25.5 | 82 | 17.5 | 350.9 | 303 | 27.1 | 71 | 16.7 | 350.5 | 301 | 25.4 | 65 | 13.8 | 340.6 | 283 | 975 |
| 1000 | 26.7 | 82 | 18.5 | 352.5 | 66 | 27.1 | 87 | 20.0 | 357.0 | 78 | 30.1 | 77 | 21.2 | 364.5 | 75 | 28.5 | 70 | 17.4 | 351.8 | 59 | 1000 |
| SFC. | 27.2 | 82 | 18.8 | 353.2 | 0 | 27.0 | 95 | 21.6 | 360.4 | 0 | 31.1 | 79 | 22.8 | 369.7 | 0 | 29.8 | 76 | 20.3 | 361.1 | 0 | SFC. |
| | SURFACE PRESSURE 1007.4 | | | | | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1008.3 | | | | | SURFACE PRESSURE 1006.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/ 7 225 GMT T | RH | W | EPT | H | 4/ 7 620 GMT T | RH | W | EPT | H | 4/ 7 855 GMT T | RH | W | EPT | H | 4/ 7 12 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -69.0 | 0 | 0.0 | 456.5 | 19584 | -69.5 | 0 | 0.0 | 455.3 | 19620 | -68.2 | 0 | 0.0 | 458.3 | 19546 | -68.4 | 0 | 0.0 | 457.9 | 19504 | 60 |
| 70 | -66.9 | 15 | .0 | 441.3 | 18658 | -68.6 | 10 | .0 | 437.7 | 18699 | -70.4 | 0 | 0.0 | 433.7 | 18625 | -69.3 | 0 | 0.0 | 436.1 | 18582 | 70 |
| 80 | -68.3 | 15 | .0 | 421.9 | 17854 | -71.0 | 11 | .0 | 416.2 | 17906 | -71.5 | 23 | .0 | 415.3 | 17836 | -71.3 | 19 | .0 | 415.8 | 17788 | 80 |
| 90 | -77.1 | 15 | .0 | 390.5 | 17159 | -79.3 | 11 | .0 | 385.9 | 17223 | -80.8 | 23 | .0 | 383.0 | 17154 | -79.8 | 20 | .0 | 385.0 | 17101 | 90 |
| 100 | -80.9 | 15 | .0 | 371.4 | 16560 | -80.0 | 11 | .0 | 373.2 | 16626 | -81.2 | 23 | .0 | 370.9 | 16561 | -81.8 | 20 | .0 | 369.7 | 16509 | 100 |
| 110 | -78.2 | 15 | .0 | 366.5 | 16020 | -76.0 | 11 | .0 | 370.6 | 16081 | -78.0 | 23 | .0 | 366.9 | 16021 | -78.8 | 20 | .0 | 365.4 | 15971 | 110 |
| 120 | -75.8 | 15 | .0 | 361.9 | 15520 | -74.1 | 10 | .0 | 365.0 | 15575 | -75.1 | 23 | .0 | 363.3 | 15520 | -76.1 | 19 | .0 | 361.4 | 15472 | 120 |
| 130 | -73.5 | 15 | .0 | 357.9 | 15055 | -72.3 | 10 | .0 | 360.1 | 15108 | -72.4 | 24 | .0 | 359.9 | 15052 | -73.6 | 19 | .0 | 357.7 | 15008 | 130 |
| 140 | -70.7 | 15 | .0 | 355.4 | 14619 | -69.4 | 10 | .0 | 357.6 | 14669 | -69.9 | 24 | .0 | 356.7 | 14614 | -70.8 | 19 | .0 | 355.1 | 14571 | 140 |
| 150 | -68.0 | 15 | .0 | 353.0 | 14207 | -66.7 | 10 | .0 | 355.2 | 14254 | -67.6 | 24 | .0 | 353.7 | 14201 | -68.2 | 19 | .0 | 352.6 | 14160 | 150 |
| 160 | -65.3 | 15 | .0 | 351.0 | 13817 | -64.2 | 10 | .0 | 353.0 | 13862 | -65.4 | 24 | .0 | 350.9 | 13810 | -65.3 | 19 | .0 | 351.1 | 13770 | 160 |
| 170 | -62.2 | 15 | .0 | 350.3 | 13445 | -61.7 | 10 | .0 | 351.1 | 13488 | -62.3 | 24 | .0 | 350.1 | 13439 | -62.0 | 18 | .0 | 350.6 | 13398 | 170 |
| 180 | -59.2 | 15 | .0 | 349.5 | 13089 | -58.7 | 10 | .0 | 350.2 | 13132 | -59.4 | 23 | .0 | 349.2 | 13083 | -58.9 | 18 | .0 | 350.0 | 13042 | 180 |
| 190 | -56.3 | 15 | .0 | 348.8 | 12748 | -56.0 | 10 | .0 | 349.3 | 12790 | -56.6 | 23 | .0 | 348.3 | 12743 | -57.0 | 18 | .0 | 347.7 | 12701 | 190 |
| 200 | -53.5 | 14 | .0 | 348.1 | 12421 | -53.3 | 10 | .0 | 348.4 | 12462 | -54.0 | 22 | .0 | 347.4 | 12415 | -54.8 | 18 | .0 | 346.2 | 12375 | 200 |
| 225 | -47.2 | 14 | .0 | 346.4 | 11652 | -47.0 | 10 | .0 | 346.6 | 11693 | -47.6 | 21 | .0 | 345.7 | 11649 | -48.8 | 18 | .0 | 343.9 | 11611 | 225 |
| 250 | -41.5 | 13 | .1 | 344.6 | 10946 | -41.3 | 10 | .0 | 344.9 | 10987 | -41.8 | 20 | .1 | 344.3 | 10944 | -42.4 | 17 | .1 | 343.4 | 10909 | 250 |
| 275 | -35.8 | 12 | .1 | 343.7 | 10292 | -35.8 | 10 | .1 | 343.7 | 10332 | -36.4 | 19 | .1 | 342.9 | 10290 | -36.7 | 16 | .1 | 342.4 | 10257 | 275 |
| 300 | -30.4 | 12 | .1 | 343.1 | 9680 | -30.3 | 10 | .1 | 343.1 | 9720 | -31.6 | 18 | .2 | 341.6 | 9681 | -31.9 | 16 | .1 | 341.0 | 9649 | 300 |
| 325 | -25.4 | 11 | .2 | 342.4 | 9105 | -25.3 | 10 | .1 | 342.4 | 9145 | -27.1 | 17 | .2 | 340.2 | 9109 | -27.5 | 16 | .2 | 339.6 | 9078 | 325 |
| 350 | -20.8 | 11 | .2 | 341.7 | 8562 | -20.7 | 10 | .2 | 341.7 | 8602 | -23.0 | 16 | .3 | 338.9 | 8571 | -23.4 | 16 | .3 | 338.3 | 8540 | 350 |
| 375 | -16.5 | 10 | .3 | 340.9 | 8048 | -16.7 | 10 | .3 | 340.7 | 8088 | -19.1 | 16 | .4 | 337.7 | 8061 | -19.6 | 16 | .3 | 337.1 | 8032 | 375 |
| 400 | -14.5 | 10 | .3 | 337.4 | 7560 | -13.8 | 10 | .3 | 338.4 | 7600 | -15.5 | 15 | .4 | 336.5 | 7578 | -16.0 | 16 | .4 | 335.9 | 7549 | 400 |
| 425 | -12.3 | 11 | .4 | 334.7 | 7100 | -11.1 | 10 | .4 | 336.2 | 7138 | -13.1 | 18 | .6 | 334.4 | 7117 | -12.8 | 18 | .6 | 334.7 | 7089 | 425 |
| 450 | -8.3 | 11 | .5 | 334.8 | 6660 | -7.4 | 10 | .5 | 335.8 | 6696 | -9.3 | 16 | .7 | 334.1 | 6679 | -9.9 | 19 | .8 | 333.7 | 6651 | 450 |
| 475 | -5.5 | 13 | .7 | 333.8 | 6238 | -4.1 | 10 | .6 | 335.2 | 6272 | -6.1 | 15 | .8 | 333.3 | 6258 | -7.3 | 22 | 1.0 | 332.6 | 6232 | 475 |
| 500 | -3.2 | 18 | 1.1 | 333.0 | 5834 | -2.1 | 10 | .7 | 333.0 | 5866 | -4.1 | 26 | 1.5 | 333.3 | 5855 | -5.9 | 32 | 1.5 | 331.2 | 5831 | 500 |
| 525 | -3.5 | 40 | 2.2 | 331.8 | 5447 | -1.0 | 18 | 1.2 | 331.6 | 5478 | -3.3 | 50 | 2.8 | 333.9 | 5469 | -4.9 | 66 | 3.3 | 333.6 | 5448 | 525 |
| 550 | -1.0 | 40 | 2.6 | 331.6 | 5078 | .2 | 32 | 2.2 | 331.9 | 5106 | -1.6 | 53 | 3.3 | 333.1 | 5100 | -2.5 | 48 | 2.8 | 330.4 | 5080 | 550 |
| 575 | 1.6 | 33 | 2.5 | 330.1 | 4721 | 2.8 | 20 | 1.6 | 328.8 | 4749 | 1.0 | 45 | 3.2 | 331.8 | 4744 | .2 | 41 | 2.8 | 329.5 | 4726 | 575 |
| 600 | 3.8 | 30 | 2.5 | 328.8 | 4377 | 4.9 | 18 | 1.6 | 327.4 | 4403 | 3.5 | 40 | 3.3 | 331.0 | 4400 | 2.8 | 34 | 2.7 | 328.3 | 4383 | 600 |
| 625 | 5.7 | 28 | 2.6 | 327.6 | 4044 | 7.0 | 16 | 1.6 | 326.0 | 4069 | 6.0 | 40 | 3.7 | 331.5 | 4067 | 5.2 | 37 | 3.3 | 329.2 | 4051 | 625 |
| 650 | 7.6 | 27 | 2.7 | 326.5 | 3722 | 9.0 | 14 | 1.6 | 324.6 | 3746 | 8.3 | 40 | 4.2 | 332.1 | 3745 | 7.4 | 32 | 3.2 | 327.7 | 3729 | 650 |
| 675 | 9.4 | 25 | 2.8 | 325.3 | 3411 | 10.8 | 15 | 1.8 | 323.9 | 3433 | 9.7 | 28 | 3.2 | 326.8 | 3432 | 9.0 | 27 | 2.8 | 325.1 | 3417 | 675 |
| 700 | 11.4 | 24 | 2.9 | 324.5 | 3108 | 12.4 | 17 | 2.2 | 323.6 | 3129 | 10.9 | 46 | 5.4 | 331.5 | 3130 | 10.4 | 45 | 5.0 | 329.9 | 3115 | 700 |
| 725 | 13.4 | 22 | 3.0 | 323.8 | 2814 | 14.1 | 19 | 2.6 | 323.4 | 2834 | 12.6 | 39 | 4.9 | 328.8 | 2836 | 11.8 | 53 | 6.4 | 332.2 | 2822 | 725 |
| 750 | 15.2 | 21 | 3.1 | 323.1 | 2528 | 15.5 | 19 | 2.8 | 322.7 | 2548 | 14.5 | 23 | 3.1 | 322.4 | 2551 | 13.2 | 49 | 6.2 | 330.2 | 2538 | 750 |
| 775 | 17.0 | 21 | 3.3 | 322.7 | 2250 | 16.2 | 15 | 2.2 | 318.5 | 2270 | 15.4 | 30 | 4.2 | 323.7 | 2273 | 14.0 | 48 | 6.2 | 328.0 | 2261 | 775 |
| 800 | 16.6 | 43 | 6.4 | 328.4 | 1980 | 16.9 | 10 | 1.6 | 314.4 | 2000 | 15.8 | 50 | 7.1 | 329.5 | 2004 | 14.1 | 78 | 9.9 | 335.4 | 1993 | 800 |
| 825 | 16.8 | 57 | 8.3 | 331.1 | 1717 | 16.5 | 99 | 14.3 | 347.9 | 1738 | 16.1 | 77 | 10.8 | 337.3 | 1742 | 15.2 | 89 | 11.8 | 339.1 | 1732 | 825 |
| 850 | 17.0 | 69 | 10.0 | 333.3 | 1462 | 18.0 | 99 | 15.2 | 349.1 | 1481 | 17.0 | 81 | 11.8 | 338.3 | 1487 | 16.6 | 89 | 12.6 | 340.2 | 1477 | 850 |
| 875 | 18.8 | 71 | 11.1 | 335.8 | 1214 | 19.4 | 98 | 16.1 | 350.4 | 1231 | 17.9 | 86 | 12.8 | 339.4 | 1238 | 18.0 | 90 | 13.5 | 341.3 | 1229 | 875 |
| 900 | 20.6 | 72 | 12.3 | 338.5 | 970 | 20.7 | 98 | 17.0 | 351.7 | 987 | 18.8 | 90 | 13.9 | 340.5 | 996 | 19.3 | 91 | 14.4 | 342.6 | 986 | 900 |
| 925 | 22.4 | 73 | 13.6 | 341.4 | 732 | 22.2 | 97 | 17.9 | 353.1 | 748 | 19.7 | 95 | 14.9 | 341.7 | 759 | 20.6 | 91 | 15.3 | 343.8 | 749 | 925 |
| 950 | 24.1 | 74 | 14.9 | 344.5 | 499 | 23.6 | 95 | 18.8 | 354.6 | 514 | 21.1 | 94 | 15.7 | 343.0 | 528 | 21.9 | 92 | 16.2 | 345.2 | 516 | 950 |
| 975 | 26.2 | 68 | 15.1 | 345.1 | 270 | 25.1 | 92 | 19.4 | 355.5 | 286 | 23.4 | 85 | 16.0 | 343.9 | 301 | 23.8 | 85 | 16.4 | 345.7 | 289 | 975 |
| 1000 | 28.7 | 74 | 18.8 | 356.0 | 45 | 27.2 | 78 | 17.9 | 351.5 | 61 | 25.5 | 77 | 16.0 | 344.2 | 78 | 25.7 | 79 | 16.6 | 345.8 | 66 | 1000 |
| SFC. | 29.4 | 81 | 21.3 | 363.2 | 0 | 27.7 | 74 | 17.5 | 350.2 | 0 | 26.3 | 74 | 16.0 | 344.2 | 0 | 26.2 | 77 | 16.6 | 345.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1005.0 | SURFACE PRESSURE | | | | 1006.9 | SURFACE PRESSURE | | | | 1008.9 | SURFACE PRESSURE | | | | 1007.5 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/ 7 18 4 GMT T | RH | W | EPT | H | 4/ 7 2325 GMT T | RH | W | EPT | H | 4/ 8 6 4 GMT T | RH | W | EPT | H | 4/ 8 1315 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.9 | 0 | 0.0 | 458.9 | 19522 | -69.3 | 0 | 0.0 | 455.8 | 19633 | -67.2 | 0 | 0.0 | 460.5 | 19521 | -65.2 | 0 | 0.0 | 465.1 | 19574 | 60 |
| 70 | -69.1 | 0 | 0.0 | 436.7 | 18598 | -70.7 | 0 | 0.0 | 433.1 | 18713 | -69.4 | 0 | 0.0 | 435.9 | 18601 | -69.3 | 0 | 0.0 | 436.1 | 18645 | 70 |
| 80 | -70.0 | 0 | 0.0 | 418.3 | 17802 | -71.4 | 17 | .0 | 415.5 | 17924 | -72.9 | 20 | .0 | 412.4 | 17815 | -73.4 | 21 | .0 | 411.5 | 17856 | 80 |
| 90 | -80.3 | 23 | .0 | 384.0 | 17112 | -80.4 | 17 | .0 | 383.9 | 17237 | -82.5 | 21 | .0 | 379.6 | 17137 | -72.0 | 21 | .0 | 400.6 | 17167 | 90 |
| 100 | -81.1 | 21 | .0 | 371.1 | 16518 | -79.7 | 17 | .0 | 373.8 | 16643 | -82.7 | 21 | .0 | 368.0 | 16549 | -79.3 | 22 | .0 | 374.5 | 16557 | 100 |
| 110 | -78.3 | 21 | .0 | 366.3 | 15979 | -77.4 | 17 | .0 | 368.1 | 16100 | -79.2 | 20 | .0 | 364.6 | 16012 | -79.9 | 21 | .0 | 363.4 | 16019 | 110 |
| 120 | -75.8 | 20 | .0 | 362.0 | 15479 | -74.8 | 17 | .0 | 363.9 | 15598 | -76.1 | 20 | .0 | 361.4 | 15514 | -76.7 | 21 | .0 | 360.3 | 15523 | 120 |
| 130 | -73.1 | 20 | .0 | 358.6 | 15013 | -71.6 | 17 | .0 | 361.3 | 15129 | -73.2 | 19 | .0 | 358.5 | 15049 | -73.4 | 21 | .0 | 358.0 | 15059 | 130 |
| 140 | -70.5 | 21 | .0 | 355.7 | 14576 | -68.6 | 17 | .0 | 358.9 | 14689 | -70.0 | 19 | .0 | 356.5 | 14612 | -70.4 | 20 | .0 | 355.9 | 14622 | 140 |
| 150 | -67.6 | 21 | .0 | 353.6 | 14164 | -65.7 | 17 | .0 | 357.0 | 14273 | -66.9 | 19 | .0 | 354.9 | 14198 | -67.6 | 20 | .0 | 353.8 | 14209 | 150 |
| 160 | -64.7 | 21 | .0 | 352.2 | 13773 | -62.1 | 17 | .0 | 356.6 | 13877 | -64.1 | 20 | .0 | 353.2 | 13805 | -64.9 | 20 | .0 | 351.8 | 13818 | 160 |
| 170 | -61.9 | 21 | .0 | 350.8 | 13400 | -58.7 | 16 | .0 | 356.1 | 13499 | -61.4 | 20 | .0 | 351.6 | 13432 | -62.0 | 20 | .0 | 350.6 | 13446 | 170 |
| 180 | -59.2 | 20 | .0 | 349.4 | 13044 | -55.5 | 16 | .0 | 355.5 | 13138 | -58.8 | 20 | .0 | 350.1 | 13075 | -58.9 | 19 | .0 | 350.0 | 13090 | 180 |
| 190 | -56.8 | 20 | .0 | 348.1 | 12703 | -52.8 | 16 | .0 | 354.4 | 12791 | -56.2 | 20 | .0 | 349.0 | 12734 | -56.0 | 18 | .0 | 349.3 | 12748 | 190 |
| 200 | -54.4 | 20 | .0 | 346.7 | 12377 | -50.7 | 16 | .0 | 352.6 | 12458 | -53.4 | 19 | .0 | 348.3 | 12406 | -53.2 | 18 | .0 | 348.7 | 12420 | 200 |
| 225 | -48.2 | 20 | .0 | 344.9 | 11612 | -45.9 | 15 | .0 | 348.4 | 11683 | -47.1 | 18 | .0 | 346.6 | 11637 | -46.8 | 17 | .0 | 346.9 | 11650 | 225 |
| 250 | -42.2 | 19 | .1 | 343.6 | 10909 | -39.9 | 14 | .1 | 347.1 | 10973 | -41.3 | 17 | .1 | 344.9 | 10930 | -41.1 | 16 | .1 | 345.2 | 10943 | 250 |
| 275 | -36.9 | 18 | .1 | 342.3 | 10256 | -34.5 | 14 | .1 | 345.6 | 10314 | -36.2 | 16 | .1 | 343.3 | 10276 | -36.0 | 14 | .1 | 343.5 | 10288 | 275 |
| 300 | -32.0 | 18 | .2 | 341.0 | 9648 | -30.1 | 14 | .1 | 343.6 | 9701 | -31.4 | 15 | .1 | 341.7 | 9666 | -31.0 | 13 | .1 | 342.3 | 9678 | 300 |
| 325 | -27.5 | 17 | .2 | 339.7 | 9077 | -24.7 | 13 | .2 | 343.6 | 9124 | -27.1 | 14 | .2 | 340.1 | 9094 | -26.0 | 11 | .2 | 341.6 | 9104 | 325 |
| 350 | -23.3 | 17 | .3 | 338.5 | 8540 | -20.2 | 13 | .3 | 342.7 | 8580 | -23.1 | 13 | .2 | 338.6 | 8556 | -21.3 | 10 | .2 | 340.8 | 8563 | 350 |
| 375 | -19.2 | 16 | .4 | 337.6 | 8031 | -16.8 | 13 | .4 | 340.8 | 8065 | -19.0 | 13 | .3 | 337.6 | 8047 | -17.7 | 10 | .3 | 339.1 | 8050 | 375 |
| 400 | -16.5 | 18 | .5 | 335.4 | 7548 | -14.0 | 13 | .4 | 338.4 | 7578 | -14.7 | 12 | .4 | 337.3 | 7562 | -15.7 | 12 | .3 | 335.9 | 7565 | 400 |
| 425 | -12.5 | 18 | .6 | 335.3 | 7088 | -10.8 | 14 | .5 | 337.2 | 7115 | -11.5 | 14 | .5 | 336.1 | 7101 | -13.2 | 19 | .6 | 334.3 | 7105 | 425 |
| 450 | -10.1 | 18 | .7 | 333.2 | 6650 | -8.0 | 18 | .8 | 336.3 | 6673 | -8.6 | 16 | .7 | 335.1 | 6660 | -10.4 | 24 | .9 | 333.5 | 6668 | 450 |
| 475 | -7.7 | 18 | .8 | 331.4 | 6231 | -7.1 | 39 | 1.9 | 335.8 | 6253 | -8.2 | 44 | 1.9 | 334.5 | 6240 | -8.1 | 51 | 2.2 | 335.5 | 6250 | 475 |
| 500 | -6.9 | 29 | 1.3 | 329.3 | 5832 | -4.0 | 17 | 1.0 | 331.8 | 5850 | -6.3 | 60 | 2.9 | 335.1 | 5840 | -7.5 | 78 | 3.4 | 335.3 | 5850 | 500 |
| 525 | -6.4 | 44 | 2.0 | 327.5 | 5451 | -3.7 | 32 | 1.8 | 330.2 | 5465 | -4.6 | 56 | 2.9 | 332.7 | 5457 | -4.7 | 60 | 3.1 | 333.0 | 5468 | 525 |
| 550 | -3.3 | 39 | 2.1 | 327.3 | 5085 | -1.1 | 24 | 1.5 | 328.1 | 5096 | -1.7 | 21 | 1.3 | 326.6 | 5089 | -1.3 | 46 | 2.9 | 332.3 | 5099 | 550 |
| 575 | -.6 | 36 | 2.3 | 327.0 | 4731 | 1.7 | 22 | 1.6 | 327.6 | 4740 | 1.1 | 20 | 1.4 | 326.3 | 4733 | 1.7 | 31 | 2.3 | 329.8 | 4743 | 575 |
| 600 | 2.0 | 35 | 2.6 | 327.1 | 4389 | 4.5 | 23 | 2.0 | 328.4 | 4395 | 3.8 | 19 | 1.6 | 326.0 | 4390 | 4.1 | 21 | 1.8 | 327.0 | 4398 | 600 |
| 625 | 4.5 | 35 | 2.9 | 327.2 | 4058 | 7.3 | 25 | 2.5 | 329.2 | 4061 | 6.3 | 19 | 1.8 | 325.8 | 4057 | 6.4 | 29 | 2.8 | 329.1 | 4065 | 625 |
| 650 | 6.9 | 32 | 3.1 | 326.8 | 3738 | 8.8 | 23 | 2.5 | 327.4 | 3737 | 8.7 | 18 | 2.0 | 325.6 | 3734 | 8.6 | 36 | 3.9 | 331.4 | 3742 | 650 |
| 675 | 8.7 | 32 | 3.3 | 326.2 | 3426 | 10.0 | 21 | 2.4 | 324.7 | 3425 | 10.6 | 22 | 2.6 | 326.1 | 3421 | 10.2 | 34 | 4.0 | 329.9 | 3429 | 675 |
| 700 | 9.6 | 47 | 5.0 | 329.0 | 3125 | 11.1 | 21 | 2.5 | 322.9 | 3122 | 12.4 | 25 | 3.2 | 326.8 | 3117 | 11.6 | 40 | 4.9 | 330.8 | 3125 | 700 |
| 725 | 12.0 | 40 | 4.9 | 328.0 | 2832 | 12.3 | 33 | 4.0 | 325.7 | 2829 | 14.1 | 28 | 3.9 | 327.7 | 2822 | 12.8 | 50 | 6.4 | 333.6 | 2831 | 725 |
| 750 | 14.1 | 27 | 3.7 | 323.6 | 2547 | 13.4 | 44 | 5.6 | 328.6 | 2544 | 15.6 | 35 | 5.2 | 329.9 | 2535 | 14.1 | 52 | 7.1 | 333.7 | 2545 | 750 |
| 775 | 15.3 | 28 | 4.0 | 322.8 | 2270 | 14.4 | 67 | 8.9 | 336.3 | 2267 | 14.5 | 78 | 10.5 | 340.8 | 2257 | 12.7 | 78 | 9.3 | 335.2 | 2269 | 775 |
| 800 | 15.5 | 44 | 6.1 | 326.2 | 2001 | 15.7 | 72 | 10.2 | 338.2 | 1998 | 15.4 | 96 | 13.3 | 346.5 | 1988 | 16.5 | 90 | 13.4 | 348.5 | 1999 | 800 |
| 825 | 14.6 | 71 | 9.1 | 330.6 | 1740 | 16.9 | 74 | 10.9 | 338.8 | 1735 | 16.7 | 95 | 13.9 | 346.9 | 1725 | 17.8 | 93 | 14.6 | 350.2 | 1735 | 825 |
| 850 | 17.2 | 67 | 9.7 | 332.8 | 1486 | 18.1 | 76 | 11.7 | 339.5 | 1479 | 17.9 | 95 | 14.6 | 347.4 | 1469 | 19.0 | 96 | 15.8 | 351.9 | 1478 | 850 |
| 875 | 18.3 | 66 | 10.0 | 332.1 | 1238 | 19.3 | 77 | 12.5 | 340.3 | 1230 | 19.2 | 95 | 15.3 | 347.8 | 1219 | 20.2 | 98 | 17.0 | 353.8 | 1227 | 875 |
| 900 | 19.4 | 74 | 11.8 | 335.6 | 995 | 20.4 | 79 | 13.3 | 341.1 | 986 | 20.4 | 94 | 16.0 | 348.3 | 975 | 21.7 | 98 | 18.0 | 355.6 | 982 | 900 |
| 925 | 20.6 | 81 | 13.6 | 339.2 | 758 | 21.8 | 84 | 15.2 | 345.0 | 748 | 21.4 | 93 | 16.3 | 347.8 | 737 | 23.2 | 96 | 19.0 | 357.4 | 742 | 925 |
| 950 | 21.9 | 86 | 15.2 | 342.4 | 526 | 24.0 | 80 | 16.0 | 347.4 | 515 | 21.6 | 89 | 15.5 | 343.0 | 504 | 24.7 | 94 | 19.9 | 359.2 | 507 | 950 |
| 975 | 24.4 | 78 | 15.5 | 343.8 | 299 | 26.1 | 76 | 16.8 | 349.6 | 286 | 21.9 | 86 | 14.7 | 338.4 | 278 | 26.2 | 93 | 20.9 | 361.1 | 277 | 975 |
| 1000 | 26.9 | 77 | 17.4 | 349.7 | 75 | 28.3 | 81 | 20.0 | 358.7 | 61 | 22.1 | 82 | 13.9 | 334.1 | 57 | 27.7 | 91 | 21.8 | 362.9 | 52 | 1000 |
| SFC. | 27.8 | 82 | 19.5 | 355.7 | 0 | 28.9 | 88 | 22.4 | 365.6 | 0 | 22.2 | 81 | 13.7 | 333.0 | 0 | 28.0 | 91 | 22.0 | 363.3 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.5 | SURFACE PRESSURE | | | | 1006.8 | SURFACE PRESSURE | | | | 1006.6 | SURFACE PRESSURE | | | | 1005.8 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/ 8 1725 GMT T | RH | W | EPT | H | 4/ 8 20 0 GMT T | RH | W | EPT | H | 4/ 8 2315 GMT T | RH | W | EPT | H | 4/ 9 130 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.1 | 0 | 0.0 | 460.6 | 19550 | -65.1 | 0 | 0.0 | 465.2 | 19622 | -64.6 | 17 | .0 | 466.4 | 19570 | -64.8 | 0 | 0.0 | 465.9 | 19579 | 60 |
| 70 | -70.0 | 0 | 0.0 | 434.7 | 18626 | -71.6 | 0 | 0.0 | 431.2 | 18699 | -71.8 | 17 | .0 | 430.9 | 18648 | -72.6 | 0 | 0.0 | 429.1 | 18660 | 70 |
| 80 | -72.7 | 21 | .0 | 412.8 | 17836 | -74.2 | 18 | .0 | 409.7 | 17913 | -72.6 | 18 | .0 | 413.0 | 17862 | -75.6 | 0 | 0.0 | 406.8 | 17881 | 80 |
| 90 | -73.0 | 21 | .0 | 398.6 | 17147 | -72.3 | 18 | .0 | 400.0 | 17227 | -74.6 | 18 | .0 | 395.4 | 17177 | -75.0 | 19 | .0 | 394.5 | 17201 | 90 |
| 100 | -77.7 | 21 | .0 | 377.6 | 16536 | -76.8 | 18 | .0 | 379.4 | 16613 | -73.6 | 18 | .0 | 385.6 | 16562 | -77.3 | 19 | .0 | 378.4 | 16589 | 100 |
| 110 | -79.4 | 21 | .0 | 364.2 | 15996 | -76.8 | 18 | .0 | 369.2 | 16065 | -80.2 | 18 | .0 | 362.8 | 16018 | -79.0 | 19 | .0 | 365.0 | 16047 | 110 |
| 120 | -77.4 | 21 | .0 | 359.0 | 15499 | -75.2 | 18 | .0 | 362.9 | 15564 | -77.5 | 17 | .0 | 358.9 | 15523 | -76.2 | 19 | .0 | 361.3 | 15548 | 120 |
| 130 | -73.9 | 21 | .0 | 357.2 | 15036 | -71.6 | 18 | .0 | 361.3 | 15096 | -73.3 | 17 | .0 | 358.3 | 15060 | -72.8 | 19 | .0 | 359.1 | 15083 | 130 |
| 140 | -70.6 | 21 | .0 | 355.5 | 14600 | -68.2 | 18 | .0 | 359.7 | 14654 | -70.0 | 17 | .0 | 356.4 | 14622 | -69.3 | 19 | .0 | 357.8 | 14644 | 140 |
| 150 | -67.6 | 21 | .0 | 353.8 | 14188 | -65.8 | 18 | .0 | 356.8 | 14238 | -67.0 | 17 | .0 | 354.6 | 14209 | -66.0 | 19 | .0 | 356.5 | 14229 | 150 |
| 160 | -64.7 | 21 | .0 | 352.1 | 13797 | -63.5 | 17 | .0 | 354.1 | 13844 | -64.2 | 17 | .0 | 352.9 | 13817 | -62.9 | 19 | .0 | 355.2 | 13835 | 160 |
| 170 | -62.0 | 21 | .0 | 350.5 | 13424 | -61.4 | 17 | .0 | 351.5 | 13470 | -61.6 | 17 | .0 | 351.2 | 13444 | -59.9 | 19 | .0 | 354.0 | 13459 | 170 |
| 180 | -59.4 | 21 | .0 | 349.2 | 13069 | -58.5 | 17 | .0 | 350.6 | 13113 | -59.1 | 17 | .0 | 349.6 | 13087 | -57.2 | 19 | .0 | 352.8 | 13100 | 180 |
| 190 | -56.3 | 20 | .0 | 348.8 | 12728 | -55.6 | 16 | .0 | 349.9 | 12771 | -56.5 | 17 | .0 | 348.5 | 12747 | -55.7 | 19 | .0 | 349.7 | 12757 | 190 |
| 200 | -53.4 | 20 | .0 | 348.3 | 12400 | -52.8 | 16 | .0 | 349.2 | 12442 | -53.6 | 17 | .0 | 348.1 | 12419 | -53.4 | 18 | .0 | 348.3 | 12429 | 200 |
| 225 | -46.8 | 18 | .0 | 347.0 | 11630 | -46.3 | 15 | .0 | 347.7 | 11671 | -46.9 | 16 | .0 | 346.9 | 11650 | -46.8 | 17 | .0 | 347.0 | 11660 | 225 |
| 250 | -40.9 | 17 | .1 | 345.7 | 10923 | -40.4 | 14 | .1 | 346.3 | 10962 | -41.5 | 17 | .1 | 344.6 | 10943 | -40.7 | 17 | .1 | 345.9 | 10952 | 250 |
| 275 | -35.5 | 16 | .1 | 344.3 | 10267 | -35.1 | 14 | .1 | 344.8 | 10305 | -36.2 | 16 | .1 | 343.2 | 10290 | -35.2 | 16 | .1 | 344.7 | 10295 | 275 |
| 300 | -30.6 | 15 | .2 | 342.9 | 9655 | -30.2 | 14 | .1 | 343.4 | 9692 | -30.8 | 16 | .2 | 342.6 | 9679 | -30.1 | 15 | .2 | 343.6 | 9682 | 300 |
| 325 | -26.4 | 15 | .2 | 341.1 | 9081 | -25.7 | 13 | .2 | 342.1 | 9117 | -25.9 | 15 | .2 | 341.9 | 9105 | -25.1 | 15 | .2 | 343.1 | 9107 | 325 |
| 350 | -22.6 | 14 | .2 | 339.3 | 8542 | -21.9 | 16 | .3 | 340.5 | 8576 | -21.4 | 14 | .3 | 341.0 | 8563 | -20.3 | 14 | .3 | 342.7 | 8563 | 350 |
| 375 | -19.3 | 16 | .4 | 337.5 | 8032 | -18.9 | 23 | .5 | 338.6 | 8065 | -17.4 | 16 | .4 | 340.1 | 8050 | -17.9 | 36 | .9 | 341.4 | 8048 | 375 |
| 400 | -16.2 | 18 | .5 | 335.8 | 7549 | -16.1 | 29 | .8 | 337.0 | 7582 | -15.4 | 35 | 1.0 | 338.7 | 7565 | -15.3 | 58 | 1.7 | 341.3 | 7564 | 400 |
| 425 | -12.8 | 14 | .5 | 334.4 | 7090 | -13.1 | 41 | 1.3 | 337.0 | 7122 | -13.2 | 37 | 1.2 | 336.4 | 7105 | -12.6 | 45 | 1.6 | 338.4 | 7103 | 425 |
| 450 | -11.4 | 48 | 1.7 | 334.9 | 6652 | -9.7 | 21 | .8 | 334.2 | 6684 | -10.9 | 36 | 1.3 | 334.3 | 6668 | -10.2 | 26 | 1.0 | 334.1 | 6665 | 450 |
| 475 | -9.0 | 66 | 2.7 | 336.0 | 6235 | -8.6 | 46 | 1.9 | 334.1 | 6266 | -7.9 | 32 | 1.4 | 333.2 | 6250 | -6.9 | 20 | 1.0 | 333.0 | 6246 | 475 |
| 500 | -6.8 | 46 | 2.1 | 332.0 | 5836 | -5.5 | 39 | 2.0 | 333.1 | 5866 | -5.0 | 27 | 1.4 | 332.0 | 5849 | -4.0 | 20 | 1.2 | 332.3 | 5843 | 500 |
| 525 | -4.7 | 40 | 2.1 | 329.8 | 5454 | -2.7 | 32 | 1.9 | 331.8 | 5481 | -2.2 | 23 | 1.4 | 330.7 | 5464 | -1.7 | 21 | 1.3 | 331.2 | 5457 | 525 |
| 550 | -1.8 | 32 | 1.9 | 328.6 | 5086 | .1 | 25 | 1.7 | 330.2 | 5110 | .4 | 19 | 1.3 | 329.3 | 5093 | .5 | 22 | 1.6 | 330.2 | 5085 | 550 |
| 575 | 1.6 | 24 | 1.8 | 327.9 | 4730 | 2.7 | 19 | 1.5 | 328.3 | 4752 | 1.9 | 18 | 1.3 | 327.0 | 4735 | 1.5 | 24 | 1.7 | 327.8 | 4727 | 575 |
| 600 | 3.3 | 25 | 2.0 | 326.8 | 4386 | 3.1 | 23 | 1.8 | 325.9 | 4408 | 2.6 | 19 | 1.5 | 324.1 | 4391 | 2.8 | 23 | 1.8 | 325.4 | 4384 | 600 |
| 625 | 5.1 | 29 | 2.5 | 326.8 | 4054 | 5.6 | 23 | 2.1 | 325.8 | 4075 | 5.5 | 19 | 1.7 | 324.5 | 4060 | 5.6 | 22 | 2.0 | 325.6 | 4052 | 625 |
| 650 | 8.3 | 23 | 2.4 | 326.5 | 3732 | 8.0 | 22 | 2.3 | 325.7 | 3753 | 8.2 | 19 | 2.0 | 325.0 | 3738 | 8.4 | 24 | 2.5 | 326.9 | 3730 | 650 |
| 675 | 9.8 | 25 | 2.8 | 326.0 | 3420 | 10.2 | 22 | 2.6 | 325.6 | 3441 | 10.2 | 19 | 2.2 | 324.3 | 3425 | 9.3 | 21 | 2.3 | 323.6 | 3418 | 675 |
| 700 | 11.4 | 27 | 3.2 | 325.6 | 3117 | 12.3 | 23 | 2.9 | 325.7 | 3138 | 12.1 | 18 | 2.3 | 323.7 | 3122 | 11.9 | 19 | 2.4 | 323.6 | 3115 | 700 |
| 725 | 12.8 | 29 | 3.7 | 325.4 | 2823 | 14.0 | 25 | 3.4 | 325.9 | 2843 | 14.0 | 18 | 2.5 | 323.1 | 2827 | 14.3 | 18 | 2.5 | 323.5 | 2821 | 725 |
| 750 | 13.8 | 34 | 4.5 | 325.7 | 2538 | 15.6 | 27 | 3.9 | 326.2 | 2556 | 15.8 | 19 | 2.8 | 322.8 | 2541 | 16.7 | 17 | 2.6 | 323.3 | 2534 | 750 |
| 775 | 12.4 | 50 | 5.8 | 324.9 | 2262 | 17.0 | 33 | 5.2 | 328.6 | 2277 | 17.1 | 36 | 5.6 | 329.8 | 2262 | 18.1 | 25 | 4.2 | 326.8 | 2254 | 775 |
| 800 | 13.6 | 74 | 9.1 | 332.6 | 1995 | 14.6 | 59 | 7.7 | 329.7 | 2009 | 16.5 | 48 | 7.2 | 330.6 | 1991 | 19.0 | 40 | 6.9 | 332.7 | 1982 | 800 |
| 825 | 15.8 | 94 | 13.0 | 343.2 | 1733 | 16.0 | 84 | 11.7 | 339.9 | 1747 | 15.9 | 71 | 9.9 | 334.6 | 1729 | 19.1 | 57 | 9.7 | 337.9 | 1717 | 825 |
| 850 | 17.8 | 91 | 13.8 | 344.9 | 1478 | 17.7 | 80 | 12.1 | 340.2 | 1492 | 17.6 | 69 | 10.4 | 335.3 | 1474 | 18.6 | 73 | 11.6 | 339.8 | 1460 | 850 |
| 875 | 19.0 | 90 | 14.5 | 345.4 | 1228 | 19.4 | 76 | 12.5 | 340.3 | 1243 | 19.5 | 65 | 10.6 | 335.2 | 1225 | 20.1 | 67 | 11.3 | 337.9 | 1210 | 875 |
| 900 | 20.1 | 91 | 15.2 | 345.8 | 984 | 20.0 | 79 | 13.1 | 340.0 | 999 | 21.4 | 60 | 10.7 | 334.9 | 981 | 21.2 | 68 | 12.1 | 338.7 | 966 | 900 |
| 925 | 21.2 | 92 | 15.9 | 346.2 | 746 | 21.0 | 83 | 14.2 | 341.3 | 762 | 22.4 | 61 | 11.3 | 335.3 | 743 | 22.2 | 75 | 13.8 | 341.7 | 728 | 925 |
| 950 | 22.4 | 91 | 16.5 | 346.7 | 514 | 23.2 | 85 | 16.3 | 347.1 | 529 | 22.9 | 69 | 12.9 | 337.6 | 510 | 23.4 | 82 | 15.8 | 346.2 | 495 | 950 |
| 975 | 24.2 | 85 | 16.8 | 347.1 | 286 | 25.3 | 88 | 18.6 | 353.4 | 300 | 26.1 | 70 | 15.5 | 346.1 | 282 | 25.4 | 90 | 19.2 | 355.3 | 266 | 975 |
| 1000 | 26.0 | 87 | 18.7 | 351.9 | 63 | 27.3 | 90 | 21.1 | 360.3 | 76 | 29.2 | 71 | 18.4 | 355.6 | 56 | 27.7 | 89 | 21.2 | 361.1 | 41 | 1000 |
| SFC. | 26.4 | 95 | 20.9 | 357.8 | 0 | 28.0 | 91 | 22.0 | 362.8 | 0 | 30.0 | 71 | 19.2 | 358.2 | 0 | 28.3 | 82 | 20.2 | 358.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.1 | SURFACE PRESSURE | | | | 1008.5 | SURFACE PRESSURE | | | | 1006.3 | SURFACE PRESSURE | | | | 1004.6 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 4/ 9 5 8 GMT | | | | | 4/ 9 12 4 GMT | | | | | 4/ 9 1734 GMT | | | | | 4/ 9 2332 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -66.5 | 0 | 0.0 | 462.1 | 19560 | -68.9 | 0 | 0.0 | 456.8 | 19483 | -68.6 | 15 | .0 | 457.4 | 19530 | -66.9 | 0 | 0.0 | 461.1 | 19616 | 60 |
| 70 | -71.5 | 34 | .0 | 431.5 | 18644 | -72.6 | 20 | .0 | 429.2 | 18571 | -71.5 | 15 | .0 | 431.4 | 18616 | -72.6 | 0 | 0.0 | 429.0 | 18700 | 70 |
| 80 | -75.7 | 33 | .0 | 406.7 | 17863 | -76.7 | 20 | .0 | 404.6 | 17787 | -75.1 | 15 | .0 | 408.0 | 17829 | -76.3 | 13 | .0 | 405.4 | 17923 | 80 |
| 90 | -76.2 | 34 | .0 | 392.3 | 17182 | -77.4 | 20 | .0 | 389.9 | 17115 | -75.3 | 16 | .0 | 393.9 | 17150 | -75.5 | 13 | .0 | 393.7 | 17242 | 90 |
| 100 | -80.3 | 34 | .0 | 372.6 | 16577 | -82.6 | 20 | .0 | 368.2 | 16517 | -77.8 | 16 | .0 | 377.4 | 16540 | -74.7 | 13 | .0 | 383.4 | 16631 | 100 |
| 110 | -77.7 | 34 | .0 | 367.6 | 16035 | -80.5 | 20 | .0 | 362.2 | 15983 | -79.3 | 16 | .0 | 364.4 | 16001 | -77.0 | 13 | .0 | 368.8 | 16083 | 110 |
| 120 | -75.3 | 34 | .0 | 362.9 | 15534 | -77.8 | 20 | .0 | 358.3 | 15488 | -76.1 | 16 | .0 | 361.4 | 15503 | -75.0 | 14 | .0 | 363.5 | 15581 | 120 |
| 130 | -73.0 | 34 | .0 | 358.7 | 15068 | -74.8 | 20 | .0 | 355.5 | 15027 | -73.1 | 15 | .0 | 358.6 | 15038 | -72.7 | 13 | .0 | 359.3 | 15114 | 130 |
| 140 | -70.3 | 34 | .0 | 355.9 | 14631 | -71.0 | 20 | .0 | 354.7 | 14593 | -70.3 | 15 | .0 | 355.9 | 14601 | -69.6 | 13 | .0 | 357.2 | 14675 | 140 |
| 150 | -66.8 | 34 | .0 | 355.0 | 14217 | -67.5 | 20 | .0 | 353.8 | 14181 | -67.8 | 15 | .0 | 353.4 | 14188 | -66.8 | 13 | .0 | 355.1 | 14261 | 150 |
| 160 | -63.6 | 33 | .0 | 354.1 | 13824 | -64.3 | 20 | .0 | 352.9 | 13789 | -64.9 | 15 | .0 | 351.7 | 13798 | -62.2 | 13 | .0 | 356.3 | 13867 | 160 |
| 170 | -60.6 | 33 | .0 | 353.0 | 13450 | -61.2 | 19 | .0 | 351.9 | 13416 | -62.0 | 15 | .0 | 350.6 | 13425 | -59.2 | 13 | .0 | 355.2 | 13490 | 170 |
| 180 | -57.9 | 33 | .0 | 351.6 | 13092 | -58.3 | 19 | .0 | 351.0 | 13058 | -59.2 | 15 | .0 | 349.5 | 13070 | -56.8 | 13 | .0 | 353.5 | 13130 | 180 |
| 190 | -55.4 | 32 | .0 | 350.3 | 12749 | -55.5 | 19 | .0 | 350.1 | 12716 | -56.5 | 15 | .0 | 348.4 | 12729 | -54.4 | 12 | .0 | 351.8 | 12785 | 190 |
| 200 | -53.0 | 32 | .0 | 349.0 | 12420 | -52.9 | 19 | .0 | 349.1 | 12387 | -54.0 | 15 | .0 | 347.4 | 12401 | -52.2 | 12 | .0 | 350.2 | 12455 | 200 |
| 225 | -47.5 | 33 | .1 | 346.1 | 11651 | -48.2 | 23 | .0 | 344.9 | 11619 | -48.2 | 15 | .0 | 344.8 | 11635 | -46.5 | 12 | .0 | 347.4 | 11684 | 225 |
| 250 | -42.1 | 32 | .1 | 344.0 | 10947 | -43.1 | 23 | .1 | 342.4 | 10918 | -42.0 | 16 | .1 | 343.9 | 10932 | -39.8 | 11 | .1 | 347.1 | 10974 | 250 |
| 275 | -35.9 | 28 | .2 | 344.0 | 10294 | -37.0 | 18 | .1 | 342.0 | 10267 | -36.2 | 17 | .1 | 343.3 | 10279 | -33.8 | 11 | .1 | 346.6 | 10314 | 275 |
| 300 | -30.2 | 25 | .3 | 343.9 | 9682 | -31.4 | 15 | .1 | 341.7 | 9658 | -31.6 | 15 | .1 | 341.4 | 9671 | -28.3 | 10 | .1 | 346.1 | 9697 | 300 |
| 325 | -24.9 | 22 | .3 | 343.7 | 9106 | -26.2 | 13 | .2 | 341.4 | 9086 | -25.9 | 11 | .2 | 341.6 | 9097 | -23.4 | 10 | .2 | 345.2 | 9117 | 325 |
| 350 | -21.6 | 47 | .9 | 343.1 | 8562 | -22.0 | 21 | .4 | 340.7 | 8544 | -21.6 | 13 | .3 | 340.7 | 8556 | -19.6 | 10 | .2 | 343.3 | 8571 | 350 |
| 375 | -19.1 | 93 | 2.1 | 343.9 | 8052 | -19.2 | 59 | 1.3 | 340.9 | 8035 | -18.6 | 17 | .4 | 338.5 | 8045 | -16.5 | 15 | .4 | 341.5 | 8056 | 375 |
| 400 | -15.3 | 90 | 2.6 | 344.3 | 7568 | -15.8 | 69 | 1.9 | 341.3 | 7551 | -15.6 | 35 | 1.0 | 338.4 | 7561 | -13.7 | 22 | .7 | 340.0 | 7568 | 400 |
| 425 | -12.3 | 89 | 3.1 | 344.0 | 7107 | -12.1 | 67 | 2.4 | 341.7 | 7090 | -12.8 | 45 | 1.5 | 338.0 | 7101 | -11.3 | 33 | 1.2 | 339.0 | 7105 | 425 |
| 450 | -9.7 | 74 | 3.0 | 341.4 | 6667 | -10.9 | 86 | 3.2 | 340.3 | 6651 | -10.0 | 36 | 1.4 | 335.8 | 6662 | -9.6 | 47 | 1.9 | 337.9 | 6665 | 450 |
| 475 | -6.9 | 22 | 1.1 | 333.3 | 6247 | -8.6 | 27 | 1.1 | 331.3 | 6234 | -7.7 | 49 | 2.2 | 336.0 | 6243 | -6.1 | 42 | 2.1 | 337.8 | 6245 | 475 |
| 500 | -3.8 | 25 | 1.4 | 333.4 | 5845 | -5.7 | 14 | .7 | 328.6 | 5834 | -5.1 | 33 | 1.8 | 333.0 | 5842 | -3.7 | 42 | 2.4 | 337.0 | 5841 | 500 |
| 525 | -.8 | 27 | 1.8 | 333.8 | 5457 | -3.2 | 15 | .9 | 327.7 | 5450 | -2.7 | 25 | 1.5 | 330.4 | 5457 | -3.0 | 21 | 1.2 | 329.1 | 5455 | 525 |
| 550 | .3 | 29 | 2.1 | 331.6 | 5085 | -.9 | 17 | 1.1 | 326.9 | 5081 | -.4 | 20 | 1.4 | 328.3 | 5087 | -2.2 | 31 | 1.8 | 327.7 | 5087 | 550 |
| 575 | 1.2 | 32 | 2.3 | 329.2 | 4728 | 1.3 | 18 | 1.3 | 326.3 | 4724 | 1.7 | 16 | 1.2 | 326.1 | 4730 | .4 | 29 | 1.9 | 327.0 | 4732 | 575 |
| 600 | 2.8 | 34 | 2.6 | 328.2 | 4385 | 3.5 | 20 | 1.6 | 325.7 | 4381 | 2.7 | 19 | 1.4 | 324.3 | 4386 | 2.8 | 26 | 2.0 | 326.3 | 4389 | 600 |
| 625 | 4.4 | 34 | 2.9 | 326.9 | 4053 | 5.5 | 21 | 1.9 | 325.4 | 4048 | 4.8 | 23 | 2.0 | 324.7 | 4055 | 5.2 | 24 | 2.1 | 325.5 | 4057 | 625 |
| 650 | 5.9 | 32 | 2.9 | 325.0 | 3733 | 7.5 | 23 | 2.3 | 325.1 | 3727 | 6.9 | 27 | 2.6 | 325.5 | 3734 | 7.5 | 22 | 2.2 | 324.7 | 3736 | 650 |
| 675 | 8.6 | 30 | 3.1 | 325.3 | 3423 | 9.4 | 24 | 2.6 | 324.9 | 3415 | 9.0 | 32 | 3.3 | 326.6 | 3423 | 9.6 | 20 | 2.2 | 323.7 | 3424 | 675 |
| 700 | 11.2 | 27 | 3.2 | 325.4 | 3121 | 11.0 | 22 | 2.6 | 323.2 | 3112 | 11.1 | 30 | 3.5 | 326.1 | 3121 | 11.5 | 18 | 2.2 | 322.5 | 3121 | 700 |
| 725 | 13.7 | 25 | 3.4 | 325.5 | 2827 | 12.4 | 16 | 2.0 | 319.6 | 2819 | 13.2 | 25 | 3.2 | 324.5 | 2827 | 13.0 | 17 | 2.2 | 321.1 | 2828 | 725 |
| 750 | 16.2 | 23 | 3.5 | 325.3 | 2540 | 13.7 | 38 | 5.0 | 327.2 | 2535 | 15.3 | 20 | 2.9 | 322.6 | 2541 | 14.6 | 16 | 2.2 | 319.6 | 2542 | 750 |
| 775 | 18.5 | 20 | 3.5 | 325.1 | 2260 | 14.9 | 60 | 8.3 | 335.1 | 2257 | 17.2 | 15 | 2.4 | 320.4 | 2263 | 16.1 | 15 | 2.2 | 318.2 | 2265 | 775 |
| 800 | 19.4 | 36 | 6.4 | 331.9 | 1988 | 15.5 | 52 | 7.2 | 329.5 | 1988 | 18.0 | 16 | 2.5 | 318.5 | 1992 | 16.7 | 18 | 2.7 | 317.6 | 1995 | 800 |
| 825 | 19.7 | 61 | 10.7 | 341.6 | 1723 | 14.8 | 91 | 11.7 | 338.3 | 1727 | 16.2 | 46 | 6.5 | 325.3 | 1729 | 15.9 | 29 | 4.0 | 317.9 | 1734 | 825 |
| 850 | 19.5 | 81 | 13.8 | 347.0 | 1465 | 17.3 | 98 | 14.5 | 346.1 | 1472 | 17.3 | 60 | 8.8 | 330.2 | 1475 | 16.9 | 44 | 6.2 | 322.5 | 1480 | 850 |
| 875 | 19.5 | 91 | 15.0 | 347.5 | 1214 | 18.8 | 96 | 15.1 | 346.9 | 1222 | 18.5 | 71 | 11.0 | 335.0 | 1226 | 18.1 | 58 | 8.7 | 328.3 | 1232 | 875 |
| 900 | 20.3 | 75 | 12.5 | 338.7 | 971 | 20.2 | 94 | 15.8 | 347.7 | 979 | 19.8 | 82 | 13.3 | 340.2 | 983 | 19.8 | 61 | 9.8 | 330.7 | 990 | 900 |
| 925 | 21.6 | 41 | 7.2 | 322.9 | 733 | 21.7 | 92 | 16.5 | 348.5 | 740 | 21.3 | 79 | 13.7 | 340.4 | 746 | 21.7 | 57 | 10.2 | 331.3 | 753 | 925 |
| 950 | 23.3 | 27 | 5.0 | 316.0 | 502 | 23.0 | 90 | 17.1 | 349.2 | 507 | 23.0 | 79 | 14.8 | 342.8 | 513 | 23.6 | 54 | 10.5 | 331.7 | 520 | 950 |
| 975 | 25.7 | 50 | 10.7 | 332.3 | 274 | 24.7 | 87 | 17.6 | 350.0 | 279 | 24.9 | 84 | 17.4 | 349.7 | 285 | 25.4 | 51 | 10.7 | 331.9 | 292 | 975 |
| 1000 | 28.0 | 73 | 17.6 | 351.8 | 50 | 26.9 | 78 | 17.7 | 350.7 | 55 | 26.6 | 77 | 17.2 | 348.7 | 61 | 28.3 | 64 | 15.8 | 347.1 | 69 | 1000 |
| SFC. | 28.5 | 78 | 19.4 | 356.6 | 0 | 27.5 | 76 | 17.7 | 350.8 | 0 | 27.1 | 75 | 17.1 | 348.3 | 0 | 29.9 | 77 | 20.7 | 362.1 | 0 | SFC. |
| | SURFACE PRESSURE 1005.6 | | | | | SURFACE PRESSURE 1006.2 | | | | | SURFACE PRESSURE 1006.9 | | | | | SURFACE PRESSURE 1007.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/10 614 GMT T | RH | W | EPT | H | 4/10 1135 GMT T | RH | W | EPT | H | 4/10 1745 GMT T | RH | W | EPT | H | 4/10 1956 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -69.0 | 24 | .0 | 456.6 | 19544 | -69.9 | 0 | 0.0 | 454.5 | 19515 | -62.2 | 0 | 0.0 | 471.7 | 19516 | -59.5 | 0 | 0.0 | 477.7 | 19618 | 60 |
| 70 | -70.5 | 25 | .0 | 433.7 | 18626 | -73.6 | 0 | 0.0 | 426.9 | 18609 | -74.6 | 0 | 0.0 | 424.9 | 18594 | -71.6 | 0 | 0.0 | 431.3 | 18687 | 70 |
| 80 | -75.8 | 25 | .0 | 406.4 | 17838 | -75.3 | 25 | .0 | 407.4 | 17825 | -74.4 | 17 | .0 | 409.3 | 17817 | -73.6 | 16 | .0 | 411.0 | 17905 | 80 |
| 90 | -78.5 | 25 | .0 | 387.6 | 17167 | -79.6 | 25 | .0 | 385.4 | 17157 | -78.6 | 17 | .0 | 387.3 | 17134 | -80.0 | 17 | .0 | 384.6 | 17223 | 90 |
| 100 | -76.4 | 25 | .0 | 380.2 | 16563 | -77.1 | 25 | .0 | 378.8 | 16556 | -77.7 | 17 | .0 | 377.6 | 16535 | -77.0 | 17 | .0 | 379.0 | 16623 | 100 |
| 110 | -79.4 | 25 | .0 | 364.3 | 16016 | -79.6 | 25 | .0 | 363.8 | 16011 | -79.5 | 18 | .0 | 364.0 | 15992 | -79.5 | 18 | .0 | 364.1 | 16081 | 110 |
| 120 | -77.0 | 25 | .0 | 359.8 | 15520 | -77.1 | 25 | .0 | 359.6 | 15515 | -76.5 | 18 | .0 | 360.7 | 15495 | -77.0 | 18 | .0 | 359.8 | 15585 | 120 |
| 130 | -73.9 | 24 | .0 | 357.1 | 15057 | -73.8 | 25 | .0 | 357.3 | 15052 | -73.2 | 17 | .0 | 358.5 | 15030 | -73.8 | 18 | .0 | 357.4 | 15121 | 130 |
| 140 | -71.1 | 24 | .0 | 354.5 | 14621 | -70.7 | 25 | .0 | 355.3 | 14616 | -70.1 | 17 | .0 | 356.3 | 14593 | -70.8 | 17 | .0 | 355.0 | 14685 | 140 |
| 150 | -68.5 | 24 | .0 | 352.2 | 14211 | -67.5 | 24 | .0 | 353.9 | 14204 | -69.6 | 17 | .0 | 350.2 | 14182 | -68.1 | 17 | .0 | 352.8 | 14274 | 150 |
| 160 | -65.2 | 23 | .0 | 351.3 | 13821 | -64.5 | 24 | .0 | 352.4 | 13812 | -66.2 | 17 | .0 | 349.6 | 13794 | -65.1 | 17 | .0 | 351.5 | 13883 | 160 |
| 170 | -62.1 | 23 | .0 | 350.4 | 13449 | -61.7 | 23 | .0 | 351.0 | 13439 | -63.0 | 17 | .0 | 348.9 | 13424 | -61.7 | 16 | .0 | 351.0 | 13511 | 170 |
| 180 | -59.2 | 22 | .0 | 349.5 | 13093 | -59.0 | 23 | .0 | 349.8 | 13083 | -59.9 | 16 | .0 | 348.2 | 13070 | -58.6 | 16 | .0 | 350.4 | 13154 | 180 |
| 190 | -56.4 | 22 | .0 | 348.6 | 12752 | -56.1 | 22 | .0 | 349.1 | 12742 | -57.1 | 16 | .0 | 347.5 | 12730 | -55.7 | 16 | .0 | 349.8 | 12812 | 190 |
| 200 | -53.8 | 21 | .0 | 347.7 | 12424 | -53.4 | 21 | .0 | 348.3 | 12414 | -54.4 | 16 | .0 | 346.8 | 12403 | -52.8 | 15 | .0 | 349.2 | 12484 | 200 |
| 225 | -47.7 | 20 | .0 | 345.6 | 11657 | -47.3 | 20 | .0 | 346.3 | 11645 | -47.5 | 15 | .0 | 345.9 | 11637 | -46.2 | 15 | .0 | 347.9 | 11712 | 225 |
| 250 | -41.1 | 19 | .1 | 345.4 | 10951 | -42.1 | 19 | .1 | 343.7 | 10940 | -41.2 | 15 | .1 | 345.1 | 10931 | -40.0 | 14 | .1 | 347.0 | 11002 | 250 |
| 275 | -35.1 | 18 | .1 | 345.0 | 10295 | -35.8 | 18 | .1 | 343.8 | 10287 | -35.5 | 14 | .1 | 344.2 | 10275 | -34.3 | 14 | .1 | 345.9 | 10344 | 275 |
| 300 | -29.6 | 17 | .2 | 344.5 | 9681 | -30.2 | 18 | .2 | 343.7 | 9674 | -30.3 | 14 | .1 | 343.3 | 9663 | -29.2 | 13 | .2 | 344.9 | 9729 | 300 |
| 325 | -25.6 | 17 | .3 | 342.5 | 9105 | -26.2 | 18 | .2 | 341.6 | 9100 | -25.5 | 13 | .2 | 342.4 | 9088 | -24.5 | 13 | .2 | 343.8 | 9151 | 325 |
| 350 | -23.1 | 35 | .6 | 339.9 | 8565 | -23.0 | 29 | .5 | 339.6 | 8560 | -22.9 | 14 | .2 | 338.9 | 8547 | -20.8 | 14 | .3 | 341.9 | 8607 | 350 |
| 375 | -19.4 | 64 | 1.4 | 341.0 | 8056 | -19.9 | 71 | 1.5 | 340.6 | 8052 | -19.2 | 24 | .5 | 338.2 | 8038 | -17.2 | 17 | .4 | 340.6 | 8094 | 375 |
| 400 | -15.6 | 74 | 2.1 | 342.2 | 7572 | -15.7 | 70 | 2.0 | 341.6 | 7569 | -15.8 | 34 | .9 | 338.0 | 7554 | -13.9 | 20 | .7 | 339.4 | 7607 | 400 |
| 425 | -12.8 | 95 | 3.2 | 343.5 | 7112 | -13.3 | 74 | 2.4 | 340.1 | 7110 | -12.8 | 50 | 1.7 | 338.5 | 7094 | -10.7 | 23 | .9 | 338.5 | 7144 | 425 |
| 450 | -9.6 | 84 | 3.5 | 342.9 | 6673 | -10.0 | 80 | 3.2 | 341.6 | 6671 | -11.1 | 56 | 2.0 | 336.4 | 6657 | -9.0 | 38 | 1.6 | 337.6 | 6702 | 450 |
| 475 | -7.2 | 66 | 3.1 | 339.6 | 6253 | -7.4 | 93 | 4.3 | 343.2 | 6251 | -8.6 | 75 | 3.2 | 338.0 | 6240 | -7.3 | 48 | 2.2 | 336.7 | 6283 | 475 |
| 500 | -4.7 | 54 | 2.9 | 337.2 | 5851 | -5.0 | 51 | 2.6 | 335.9 | 5849 | -5.9 | 18 | .9 | 329.1 | 5840 | -4.2 | 25 | 1.4 | 333.0 | 5880 | 500 |
| 525 | -2.7 | 20 | 1.2 | 329.4 | 5465 | -3.0 | 18 | 1.1 | 328.6 | 5465 | -3.1 | 28 | 1.6 | 330.4 | 5456 | -1.8 | 18 | 1.1 | 330.3 | 5494 | 525 |
| 550 | -.9 | 23 | 1.5 | 328.2 | 5095 | -.8 | 20 | 1.3 | 327.6 | 5095 | -.7 | 18 | 1.2 | 327.4 | 5086 | .1 | 18 | 1.3 | 328.7 | 5123 | 550 |
| 575 | 1.0 | 33 | 2.4 | 329.1 | 4739 | 1.2 | 21 | 1.5 | 326.7 | 4739 | .6 | 26 | 1.8 | 326.9 | 4730 | 2.0 | 18 | 1.4 | 327.1 | 4766 | 575 |
| 600 | 3.2 | 33 | 2.6 | 328.6 | 4396 | 2.8 | 35 | 2.8 | 328.4 | 4396 | 2.7 | 27 | 2.1 | 326.4 | 4387 | 4.0 | 19 | 1.6 | 326.3 | 4421 | 600 |
| 625 | 4.7 | 33 | 2.8 | 327.2 | 4064 | 5.0 | 33 | 2.9 | 327.8 | 4064 | 4.8 | 28 | 2.4 | 325.9 | 4055 | 6.1 | 22 | 2.0 | 326.3 | 4088 | 625 |
| 650 | 6.4 | 35 | 3.3 | 326.8 | 3743 | 7.2 | 31 | 3.1 | 327.1 | 3742 | 6.9 | 28 | 2.6 | 325.5 | 3734 | 8.1 | 24 | 2.5 | 326.5 | 3766 | 650 |
| 675 | 9.2 | 28 | 3.0 | 325.9 | 3432 | 9.2 | 29 | 3.2 | 326.4 | 3431 | 8.8 | 28 | 2.9 | 325.2 | 3423 | 10.2 | 23 | 2.6 | 325.8 | 3453 | 675 |
| 700 | 11.5 | 24 | 2.9 | 324.7 | 3130 | 11.2 | 28 | 3.3 | 325.6 | 3128 | 10.7 | 28 | 3.2 | 324.9 | 3121 | 12.3 | 21 | 2.7 | 325.1 | 3150 | 700 |
| 725 | 13.4 | 21 | 2.8 | 323.4 | 2836 | 13.1 | 26 | 3.4 | 324.7 | 2835 | 12.5 | 28 | 3.6 | 324.7 | 2828 | 14.3 | 20 | 2.8 | 324.4 | 2855 | 725 |
| 750 | 15.4 | 18 | 2.7 | 322.1 | 2550 | 14.8 | 25 | 3.5 | 323.9 | 2549 | 14.3 | 29 | 3.9 | 324.6 | 2543 | 16.2 | 19 | 2.9 | 323.6 | 2568 | 750 |
| 775 | 16.4 | 30 | 4.6 | 326.0 | 2271 | 16.2 | 27 | 3.9 | 323.8 | 2271 | 16.0 | 29 | 4.2 | 324.5 | 2265 | 17.3 | 22 | 3.4 | 323.6 | 2289 | 775 |
| 800 | 17.4 | 37 | 5.7 | 327.4 | 2001 | 17.2 | 31 | 4.8 | 324.3 | 2001 | 17.3 | 32 | 4.9 | 324.9 | 1995 | 17.4 | 30 | 4.7 | 324.6 | 2018 | 800 |
| 825 | 19.3 | 23 | 3.9 | 321.4 | 1738 | 18.1 | 35 | 5.6 | 325.0 | 1738 | 17.6 | 40 | 6.2 | 326.2 | 1732 | 17.5 | 39 | 5.9 | 325.2 | 1756 | 825 |
| 850 | 19.7 | 36 | 6.0 | 325.3 | 1481 | 18.1 | 45 | 6.9 | 325.9 | 1482 | 17.6 | 52 | 7.8 | 327.8 | 1477 | 17.6 | 47 | 7.0 | 325.6 | 1500 | 850 |
| 875 | 18.6 | 77 | 12.0 | 338.0 | 1231 | 18.3 | 77 | 11.7 | 336.9 | 1234 | 17.2 | 67 | 9.5 | 329.5 | 1229 | 18.1 | 63 | 9.4 | 330.1 | 1252 | 875 |
| 900 | 19.6 | 84 | 13.5 | 340.4 | 988 | 19.4 | 83 | 13.2 | 339.4 | 991 | 18.2 | 71 | 10.5 | 330.5 | 987 | 20.0 | 62 | 10.3 | 332.1 | 1010 | 900 |
| 925 | 20.5 | 90 | 15.0 | 343.0 | 751 | 20.5 | 89 | 14.7 | 342.1 | 754 | 19.2 | 75 | 11.4 | 331.5 | 752 | 21.9 | 62 | 11.2 | 334.2 | 772 | 925 |
| 950 | 22.2 | 88 | 15.8 | 344.7 | 519 | 21.9 | 83 | 14.6 | 340.9 | 522 | 20.2 | 78 | 12.4 | 332.7 | 521 | 22.9 | 69 | 12.9 | 337.4 | 540 | 950 |
| 975 | 24.4 | 80 | 15.9 | 345.0 | 291 | 23.3 | 77 | 14.4 | 339.4 | 295 | 22.1 | 74 | 12.7 | 333.5 | 296 | 25.1 | 64 | 13.2 | 338.4 | 312 | 975 |
| 1000 | 26.0 | 82 | 17.5 | 348.7 | 68 | 24.5 | 82 | 16.2 | 343.3 | 73 | 24.2 | 67 | 12.9 | 333.9 | 74 | 27.2 | 58 | 13.4 | 339.0 | 88 | 1000 |
| SFC. | 26.1 | 88 | 18.9 | 352.0 | 0 | 24.9 | 88 | 17.6 | 346.7 | 0 | 24.9 | 65 | 12.9 | 334.0 | 0 | 28.1 | 56 | 13.4 | 339.2 | 0 | SFC. |
| | SURFACE PRESSURE 1007.7 | | | | | SURFACE PRESSURE 1008.3 | | | | | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1010.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 4/10 23 5 GMT | | | | | 4/11 2 7 GMT | | | | | 4/11 512 GMT | | | | | 4/11 1137 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -61.4 | 0 | 0.0 | 473.4 | 19573 | -65.0 | 0 | 0.0 | 465.4 | 19563 | -67.7 | 0 | 0.0 | 459.4 | 19475 | -68.4 | 0 | 0.0 | 457.9 | 19480 | 60 |
| 70 | -72.7 | 17 | .0 | 428.9 | 18649 | -70.8 | 0 | 0.0 | 432.9 | 18636 | -72.5 | 0 | 0.0 | 429.2 | 18556 | -74.7 | 0 | 0.0 | 424.5 | 18569 | 70 |
| 80 | -74.2 | 19 | .0 | 409.8 | 17868 | -73.0 | 0 | 0.0 | 412.2 | 17849 | -76.7 | 23 | .0 | 404.5 | 17785 | -77.0 | 0 | 0.0 | 404.0 | 17799 | 80 |
| 90 | -79.6 | 20 | .0 | 385.4 | 17188 | -77.6 | 0 | 0.0 | 389.3 | 17167 | -77.2 | 24 | .0 | 390.2 | 17108 | -77.3 | 13 | .0 | 390.0 | 17123 | 90 |
| 100 | -77.5 | 17 | .0 | 378.0 | 16587 | -79.1 | 18 | .0 | 374.9 | 16566 | -77.6 | 24 | .0 | 377.8 | 16504 | -77.5 | 12 | .0 | 378.0 | 16519 | 100 |
| 110 | -80.2 | 17 | .0 | 362.8 | 16048 | -80.7 | 18 | .0 | 361.8 | 16029 | -80.5 | 24 | .0 | 362.2 | 15962 | -79.3 | 12 | .0 | 364.4 | 15975 | 110 |
| 120 | -76.8 | 17 | .0 | 360.0 | 15553 | -77.7 | 17 | .0 | 358.4 | 15536 | -79.9 | 24 | .0 | 354.4 | 15473 | -79.3 | 12 | .0 | 355.6 | 15483 | 120 |
| 130 | -73.1 | 17 | .0 | 358.7 | 15088 | -73.7 | 17 | .0 | 357.5 | 15073 | -76.2 | 23 | .0 | 353.1 | 15016 | -75.4 | 14 | .0 | 354.5 | 15024 | 130 |
| 140 | -69.6 | 17 | .0 | 357.3 | 14650 | -71.2 | 17 | .0 | 354.3 | 14637 | -72.7 | 23 | .0 | 351.8 | 14584 | -71.8 | 15 | .0 | 353.3 | 14591 | 140 |
| 150 | -67.7 | 17 | .0 | 353.5 | 14236 | -68.7 | 17 | .0 | 351.8 | 14227 | -69.5 | 22 | .0 | 350.5 | 14176 | -68.5 | 17 | .0 | 352.2 | 14180 | 150 |
| 160 | -65.3 | 17 | .0 | 351.1 | 13846 | -65.4 | 17 | .0 | 351.0 | 13837 | -66.4 | 22 | .0 | 349.2 | 13788 | -65.3 | 16 | .0 | 351.2 | 13791 | 160 |
| 170 | -62.2 | 16 | .0 | 350.2 | 13474 | -62.2 | 17 | .0 | 350.2 | 13466 | -63.6 | 22 | .0 | 347.9 | 13419 | -62.2 | 14 | .0 | 350.2 | 13419 | 170 |
| 180 | -59.3 | 16 | .0 | 349.3 | 13119 | -59.2 | 17 | .0 | 349.4 | 13110 | -60.9 | 21 | .0 | 346.6 | 13066 | -59.3 | 13 | .0 | 349.2 | 13063 | 180 |
| 190 | -56.2 | 16 | .0 | 348.9 | 12778 | -56.2 | 17 | .0 | 348.9 | 12769 | -58.2 | 21 | .0 | 345.8 | 12728 | -56.6 | 12 | .0 | 348.2 | 12723 | 190 |
| 200 | -53.2 | 15 | .0 | 348.6 | 12450 | -53.2 | 16 | .0 | 348.6 | 12441 | -55.2 | 21 | .0 | 345.5 | 12402 | -54.0 | 11 | .0 | 347.3 | 12395 | 200 |
| 225 | -46.5 | 15 | .0 | 347.5 | 11679 | -46.4 | 16 | .0 | 347.6 | 11670 | -48.3 | 20 | .0 | 344.7 | 11639 | -47.3 | 10 | .0 | 346.2 | 11628 | 225 |
| 250 | -40.4 | 14 | .1 | 346.3 | 10971 | -40.4 | 15 | .1 | 346.4 | 10962 | -42.1 | 19 | .1 | 343.8 | 10935 | -41.1 | 10 | .0 | 345.2 | 10922 | 250 |
| 275 | -34.9 | 14 | .1 | 345.0 | 10313 | -34.9 | 15 | .1 | 345.1 | 10304 | -36.5 | 18 | .1 | 342.8 | 10282 | -35.4 | 10 | .1 | 344.2 | 10266 | 275 |
| 300 | -29.9 | 13 | .1 | 343.8 | 9700 | -30.2 | 14 | .1 | 343.5 | 9691 | -31.4 | 18 | .2 | 341.8 | 9673 | -30.3 | 10 | .1 | 343.1 | 9654 | 300 |
| 325 | -25.5 | 13 | .2 | 342.4 | 9124 | -25.8 | 13 | .2 | 341.9 | 9116 | -26.8 | 17 | .2 | 340.7 | 9101 | -25.6 | 10 | .1 | 342.0 | 9079 | 325 |
| 350 | -22.6 | 13 | .2 | 339.2 | 8583 | -21.8 | 16 | .3 | 340.6 | 8575 | -22.5 | 19 | .3 | 339.7 | 8561 | -22.6 | 10 | .2 | 339.0 | 8538 | 350 |
| 375 | -18.4 | 19 | .5 | 339.1 | 8073 | -18.1 | 24 | .6 | 339.9 | 8063 | -19.3 | 35 | .8 | 338.9 | 8052 | -20.5 | 34 | .7 | 337.1 | 8030 | 375 |
| 400 | -15.1 | 33 | 1.0 | 339.0 | 7587 | -14.9 | 32 | 1.0 | 339.2 | 7578 | -17.4 | 83 | 2.0 | 339.5 | 7570 | -16.4 | 44 | 1.2 | 337.9 | 7548 | 400 |
| 425 | -12.4 | 32 | 1.1 | 337.2 | 7127 | -12.2 | 34 | 1.2 | 337.7 | 7117 | -13.6 | 46 | 1.4 | 336.7 | 7112 | -13.9 | 51 | 1.6 | 336.8 | 7090 | 425 |
| 450 | -9.8 | 46 | 1.9 | 337.5 | 6688 | -8.5 | 35 | 1.6 | 338.2 | 6677 | -10.4 | 50 | 1.9 | 337.0 | 6674 | -10.9 | 27 | 1.0 | 333.2 | 6653 | 450 |
| 475 | -6.9 | 45 | 2.2 | 336.9 | 6268 | -6.1 | 38 | 1.9 | 337.1 | 6255 | -7.8 | 64 | 2.9 | 338.1 | 6256 | -7.3 | 17 | .8 | 331.8 | 6235 | 475 |
| 500 | -4.3 | 40 | 2.2 | 335.5 | 5865 | -3.9 | 40 | 2.3 | 336.3 | 5852 | -4.8 | 63 | 3.4 | 338.5 | 5854 | -4.5 | 30 | 1.7 | 333.3 | 5833 | 500 |
| 525 | -1.9 | 30 | 1.9 | 332.8 | 5479 | -1.7 | 27 | 1.7 | 332.5 | 5465 | -2.0 | 38 | 2.4 | 334.3 | 5468 | -2.9 | 42 | 2.5 | 333.3 | 5447 | 525 |
| 550 | .4 | 29 | 2.0 | 331.6 | 5107 | .8 | 26 | 1.9 | 331.7 | 5093 | .7 | 23 | 1.7 | 330.7 | 5096 | -2.0 | 59 | 3.5 | 333.4 | 5077 | 550 |
| 575 | 2.5 | 27 | 2.2 | 330.4 | 4750 | 2.3 | 17 | 1.4 | 327.5 | 4735 | 2.7 | 20 | 1.7 | 329.0 | 4738 | -.2 | 29 | 1.9 | 326.3 | 4723 | 575 |
| 600 | 4.6 | 26 | 2.3 | 329.2 | 4404 | 3.6 | 19 | 1.6 | 325.7 | 4391 | 4.3 | 23 | 2.0 | 327.8 | 4393 | 2.4 | 14 | 1.1 | 322.6 | 4381 | 600 |
| 625 | 6.6 | 25 | 2.4 | 328.1 | 4070 | 6.4 | 22 | 2.1 | 326.8 | 4058 | 5.8 | 25 | 2.3 | 326.8 | 4060 | 4.4 | 22 | 1.9 | 323.8 | 4050 | 625 |
| 650 | 8.5 | 23 | 2.5 | 327.0 | 3747 | 8.1 | 25 | 2.6 | 326.7 | 3735 | 7.3 | 27 | 2.6 | 325.9 | 3738 | 6.1 | 15 | 1.3 | 320.5 | 3730 | 650 |
| 675 | 10.4 | 22 | 2.6 | 325.8 | 3435 | 9.7 | 28 | 3.1 | 326.6 | 3423 | 8.9 | 35 | 3.7 | 327.5 | 3426 | 7.7 | 16 | 1.5 | 319.5 | 3420 | 675 |
| 700 | 12.1 | 21 | 2.7 | 324.7 | 3131 | 11.6 | 25 | 3.1 | 325.5 | 3120 | 10.8 | 41 | 4.8 | 329.7 | 3124 | 9.9 | 27 | 2.9 | 323.0 | 3119 | 700 |
| 725 | 13.9 | 20 | 2.7 | 323.6 | 2837 | 13.8 | 19 | 2.6 | 323.4 | 2826 | 12.8 | 32 | 4.1 | 326.6 | 2831 | 11.8 | 17 | 2.0 | 318.9 | 2827 | 725 |
| 750 | 15.5 | 19 | 2.8 | 322.5 | 2551 | 15.3 | 22 | 3.2 | 323.5 | 2540 | 14.7 | 23 | 3.3 | 323.1 | 2545 | 13.5 | 12 | 1.6 | 316.5 | 2543 | 750 |
| 775 | 16.9 | 18 | 2.8 | 321.2 | 2272 | 16.8 | 24 | 3.7 | 323.9 | 2261 | 16.4 | 30 | 4.5 | 325.7 | 2267 | 15.1 | 13 | 1.8 | 316.0 | 2266 | 775 |
| 800 | 17.6 | 19 | 3.0 | 319.5 | 2002 | 18.3 | 26 | 4.3 | 324.3 | 1991 | 17.8 | 36 | 5.8 | 328.1 | 1996 | 16.6 | 14 | 2.0 | 315.5 | 1997 | 800 |
| 825 | 16.8 | 43 | 6.2 | 325.2 | 1739 | 17.8 | 31 | 4.8 | 322.4 | 1727 | 17.3 | 43 | 6.5 | 326.6 | 1733 | 12.9 | 99 | 11.3 | 334.9 | 1736 | 825 |
| 850 | 16.6 | 60 | 8.4 | 328.4 | 1485 | 17.1 | 60 | 8.7 | 329.9 | 1472 | 15.9 | 73 | 9.8 | 331.4 | 1479 | 14.4 | 98 | 12.1 | 335.9 | 1484 | 850 |
| 875 | 17.3 | 67 | 9.5 | 329.6 | 1237 | 17.9 | 68 | 10.1 | 331.9 | 1224 | 17.4 | 78 | 11.2 | 334.3 | 1232 | 16.4 | 93 | 12.6 | 336.8 | 1237 | 875 |
| 900 | 18.5 | 71 | 10.6 | 331.1 | 996 | 19.3 | 70 | 10.9 | 333.0 | 982 | 18.9 | 80 | 12.3 | 336.3 | 990 | 18.7 | 84 | 12.7 | 337.3 | 995 | 900 |
| 925 | 20.5 | 69 | 11.4 | 333.2 | 759 | 20.6 | 71 | 11.8 | 334.2 | 745 | 20.4 | 80 | 13.2 | 337.9 | 753 | 20.5 | 78 | 12.8 | 337.0 | 759 | 925 |
| 950 | 22.4 | 68 | 12.3 | 335.3 | 528 | 23.2 | 69 | 13.2 | 338.7 | 513 | 21.8 | 81 | 14.1 | 339.6 | 521 | 21.6 | 75 | 12.9 | 336.0 | 527 | 950 |
| 975 | 24.3 | 67 | 13.2 | 337.5 | 300 | 26.0 | 67 | 14.8 | 344.1 | 285 | 23.7 | 75 | 14.4 | 339.9 | 294 | 23.8 | 70 | 13.5 | 337.6 | 300 | 975 |
| 1000 | 26.4 | 66 | 14.5 | 341.1 | 77 | 28.8 | 65 | 16.5 | 349.8 | 60 | 25.8 | 70 | 14.9 | 341.4 | 71 | 25.8 | 68 | 14.4 | 340.2 | 78 | 1000 |
| SFC. | 30.1 | 66 | 17.9 | 354.3 | 0 | 29.5 | 65 | 17.0 | 351.4 | 0 | 26.2 | 79 | 17.0 | 346.9 | 0 | 26.2 | 86 | 18.6 | 351.0 | 0 | SFC. |
| | SURFACE PRESSURE 1008.7 | | | | | SURFACE PRESSURE 1006.7 | | | | | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1008.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/11 1738 GMT T | RH | W | EPT | H | 4/11 2010 GMT T | RH | W | EPT | H | 4/11 2238 GMT T | RH | W | EPT | H | 4/12 150 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -61.6 | 0 | 0.0 | 473.0 | 19492 | -61.2 | 0 | 0.0 | 473.9 | 19451 | -63.7 | 0 | 0.0 | 468.4 | 19506 | -64.7 | 0 | 0.0 | 466.1 | 19580 | 60 |
| 70 | -71.7 | 0 | 0.0 | 430.9 | 18560 | -71.7 | 0 | 0.0 | 431.0 | 18517 | -71.0 | 0 | 0.0 | 432.5 | 18581 | -71.2 | 0 | 0.0 | 432.2 | 18655 | 70 |
| 80 | -76.1 | 0 | 0.0 | 405.9 | 17784 | -76.8 | 15 | .0 | 404.4 | 17735 | -75.1 | 16 | .0 | 407.8 | 17798 | -75.3 | 19 | .0 | 407.4 | 17873 | 80 |
| 90 | -77.1 | 0 | 0.0 | 390.4 | 17106 | -79.7 | 14 | .0 | 385.2 | 17060 | -78.0 | 16 | .0 | 388.6 | 17122 | -76.6 | 19 | .0 | 391.4 | 17195 | 90 |
| 100 | -78.0 | 20 | .0 | 377.1 | 16503 | -78.2 | 14 | .0 | 376.7 | 16463 | -76.2 | 17 | .0 | 380.5 | 16517 | -75.4 | 19 | .0 | 382.1 | 16587 | 100 |
| 110 | -79.4 | 20 | .0 | 364.4 | 15960 | -78.4 | 14 | .0 | 366.2 | 15920 | -76.7 | 17 | .0 | 369.3 | 15967 | -74.5 | 19 | .0 | 373.5 | 16033 | 110 |
| 120 | -80.6 | 20 | .0 | 353.1 | 15468 | -78.5 | 15 | .0 | 357.0 | 15423 | -77.7 | 18 | .0 | 358.5 | 15468 | -75.6 | 19 | .0 | 362.3 | 15529 | 120 |
| 130 | -77.1 | 20 | .0 | 351.5 | 15012 | -77.4 | 15 | .0 | 350.8 | 14967 | -76.7 | 16 | .0 | 352.1 | 15009 | -74.2 | 19 | .0 | 356.6 | 15065 | 130 |
| 140 | -73.4 | 20 | .0 | 350.5 | 14583 | -73.6 | 15 | .0 | 350.1 | 14538 | -73.4 | 16 | .0 | 350.6 | 14579 | -71.4 | 19 | .0 | 354.0 | 14630 | 140 |
| 150 | -69.7 | 19 | .0 | 350.0 | 14176 | -70.1 | 15 | .0 | 349.3 | 14131 | -69.7 | 16 | .0 | 350.1 | 14172 | -68.0 | 19 | .0 | 353.0 | 14219 | 150 |
| 160 | -66.2 | 19 | .0 | 349.5 | 13788 | -66.8 | 15 | .0 | 348.5 | 13744 | -66.2 | 16 | .0 | 349.5 | 13784 | -64.8 | 19 | .0 | 352.0 | 13828 | 160 |
| 170 | -63.0 | 18 | .0 | 348.9 | 13418 | -63.7 | 15 | .0 | 347.7 | 13375 | -63.0 | 16 | .0 | 348.9 | 13414 | -61.7 | 18 | .0 | 351.0 | 13456 | 170 |
| 180 | -59.9 | 18 | .0 | 348.4 | 13063 | -60.7 | 14 | .0 | 346.9 | 13022 | -59.9 | 16 | .0 | 348.3 | 13059 | -58.9 | 18 | .0 | 350.0 | 13099 | 180 |
| 190 | -56.9 | 18 | .0 | 347.8 | 12723 | -58.0 | 14 | .0 | 346.1 | 12684 | -57.0 | 16 | .0 | 347.6 | 12720 | -56.2 | 18 | .0 | 348.9 | 12758 | 190 |
| 200 | -54.0 | 17 | .0 | 347.3 | 12396 | -55.3 | 14 | .0 | 345.3 | 12359 | -54.3 | 16 | .0 | 346.9 | 12393 | -53.6 | 18 | .0 | 348.0 | 12430 | 200 |
| 225 | -47.5 | 16 | .0 | 345.8 | 11629 | -49.2 | 13 | .0 | 343.2 | 11597 | -48.0 | 16 | .0 | 345.1 | 11627 | -47.5 | 17 | .0 | 346.0 | 11662 | 225 |
| 250 | -42.8 | 16 | .1 | 342.8 | 10926 | -43.6 | 13 | .0 | 341.4 | 10897 | -42.0 | 16 | .1 | 344.0 | 10923 | -41.8 | 17 | .1 | 344.2 | 10957 | 250 |
| 275 | -36.3 | 15 | .1 | 343.1 | 10274 | -37.5 | 12 | .1 | 341.2 | 10248 | -36.4 | 15 | .1 | 343.0 | 10270 | -35.9 | 16 | .1 | 343.7 | 10303 | 275 |
| 300 | -30.6 | 14 | .1 | 342.8 | 9662 | -31.9 | 12 | .1 | 340.9 | 9640 | -31.2 | 15 | .1 | 341.9 | 9660 | -30.5 | 15 | .2 | 343.1 | 9692 | 300 |
| 325 | -26.7 | 14 | .2 | 340.7 | 9089 | -27.5 | 12 | .1 | 339.5 | 9069 | -26.5 | 14 | .2 | 340.9 | 9088 | -25.5 | 14 | .2 | 342.5 | 9117 | 325 |
| 350 | -23.1 | 15 | .2 | 338.7 | 8550 | -24.5 | 13 | .2 | 336.5 | 8532 | -23.0 | 14 | .2 | 338.8 | 8548 | -21.2 | 15 | .3 | 341.4 | 8575 | 350 |
| 375 | -19.7 | 15 | .3 | 336.8 | 8042 | -21.0 | 13 | .2 | 334.8 | 8027 | -19.8 | 15 | .3 | 336.6 | 8040 | -17.6 | 16 | .4 | 339.9 | 8062 | 375 |
| 400 | -16.5 | 15 | .4 | 335.1 | 7560 | -17.4 | 13 | .3 | 333.6 | 7547 | -15.9 | 16 | .4 | 336.0 | 7557 | -14.8 | 16 | .5 | 337.6 | 7576 | 400 |
| 425 | -13.1 | 18 | .6 | 334.5 | 7100 | -13.7 | 12 | .4 | 332.8 | 7089 | -12.7 | 14 | .5 | 334.5 | 7097 | -11.7 | 15 | .6 | 336.1 | 7114 | 425 |
| 450 | -10.4 | 24 | .9 | 333.6 | 6663 | -11.3 | 13 | .5 | 330.8 | 6652 | -10.0 | 14 | .6 | 332.8 | 6659 | -8.8 | 16 | .7 | 334.8 | 6674 | 450 |
| 475 | -7.9 | 30 | 1.3 | 332.9 | 6244 | -8.4 | 17 | .7 | 330.2 | 6236 | -7.7 | 17 | .7 | 331.2 | 6240 | -6.1 | 17 | .9 | 333.7 | 6253 | 475 |
| 500 | -5.5 | 35 | 1.8 | 332.6 | 5843 | -6.6 | 38 | 1.8 | 331.1 | 5836 | -5.6 | 19 | 1.0 | 329.7 | 5840 | -3.8 | 24 | 1.4 | 333.3 | 5850 | 500 |
| 525 | -3.2 | 41 | 2.3 | 332.5 | 5459 | -4.2 | 41 | 2.2 | 330.9 | 5453 | -3.5 | 21 | 1.2 | 328.4 | 5456 | -2.1 | 38 | 2.3 | 333.9 | 5463 | 525 |
| 550 | -1.1 | 46 | 2.9 | 332.6 | 5089 | -1.9 | 44 | 2.7 | 330.9 | 5084 | -1.9 | 29 | 1.7 | 327.7 | 5087 | -.5 | 24 | 1.6 | 329.2 | 5092 | 550 |
| 575 | .7 | 28 | 1.9 | 327.4 | 4733 | .3 | 17 | 1.2 | 324.4 | 4729 | -.3 | 34 | 2.2 | 326.9 | 4732 | .7 | 47 | 3.3 | 331.6 | 4736 | 575 |
| 600 | 1.8 | 44 | 3.2 | 328.6 | 4390 | 1.8 | 21 | 1.5 | 323.4 | 4387 | 1.5 | 43 | 3.1 | 328.0 | 4391 | 2.7 | 39 | 3.0 | 329.3 | 4393 | 600 |
| 625 | 3.7 | 52 | 4.2 | 330.1 | 4060 | 3.5 | 38 | 3.0 | 326.2 | 4057 | 3.8 | 40 | 3.2 | 327.1 | 4060 | 5.2 | 35 | 3.1 | 328.5 | 4062 | 625 |
| 650 | 5.8 | 59 | 5.2 | 331.9 | 3740 | 5.7 | 28 | 2.5 | 323.6 | 3738 | 5.9 | 36 | 3.2 | 326.2 | 3741 | 7.6 | 30 | 3.0 | 327.6 | 3740 | 650 |
| 675 | 7.7 | 65 | 6.4 | 334.1 | 3429 | 7.6 | 23 | 2.3 | 321.6 | 3428 | 8.0 | 33 | 3.3 | 325.2 | 3430 | 9.5 | 32 | 3.5 | 327.8 | 3428 | 675 |
| 700 | 9.6 | 71 | 7.6 | 336.6 | 3127 | 9.2 | 28 | 2.9 | 321.9 | 3128 | 10.0 | 30 | 3.2 | 324.0 | 3129 | 11.0 | 40 | 4.7 | 329.5 | 3125 | 700 |
| 725 | 11.4 | 77 | 9.0 | 339.4 | 2834 | 11.2 | 25 | 2.8 | 321.0 | 2836 | 11.9 | 26 | 3.2 | 322.8 | 2837 | 12.6 | 35 | 4.5 | 327.5 | 2832 | 725 |
| 750 | 13.1 | 83 | 10.6 | 342.6 | 2549 | 13.6 | 18 | 2.4 | 319.1 | 2552 | 13.8 | 23 | 3.1 | 321.4 | 2552 | 14.2 | 31 | 4.2 | 325.3 | 2546 | 750 |
| 775 | 14.8 | 88 | 12.2 | 346.0 | 2271 | 15.1 | 17 | 2.3 | 317.5 | 2276 | 15.6 | 20 | 2.9 | 319.9 | 2276 | 15.7 | 27 | 3.9 | 323.1 | 2269 | 775 |
| 800 | 16.4 | 94 | 13.9 | 349.9 | 2000 | 16.1 | 17 | 2.5 | 316.3 | 2007 | 17.3 | 17 | 2.7 | 318.4 | 2006 | 17.2 | 23 | 3.5 | 320.7 | 1999 | 800 |
| 825 | 15.7 | 79 | 10.8 | 337.1 | 1737 | 16.2 | 28 | 3.9 | 317.8 | 1745 | 17.6 | 26 | 4.0 | 319.7 | 1743 | 14.2 | 75 | 9.3 | 330.9 | 1739 | 825 |
| 850 | 15.2 | 71 | 9.1 | 328.7 | 1484 | 15.6 | 63 | 8.2 | 326.5 | 1492 | 17.8 | 43 | 6.5 | 324.4 | 1488 | 16.8 | 85 | 12.2 | 339.1 | 1485 | 850 |
| 875 | 16.3 | 80 | 10.8 | 331.8 | 1237 | 16.3 | 70 | 9.4 | 327.9 | 1245 | 17.9 | 60 | 8.9 | 328.5 | 1240 | 18.8 | 80 | 12.6 | 340.0 | 1236 | 875 |
| 900 | 17.4 | 89 | 12.5 | 335.1 | 996 | 17.4 | 73 | 10.1 | 328.6 | 1005 | 18.7 | 68 | 10.4 | 330.9 | 998 | 20.6 | 77 | 13.2 | 340.9 | 993 | 900 |
| 925 | 19.3 | 84 | 13.6 | 335.9 | 760 | 18.8 | 72 | 10.7 | 329.0 | 770 | 20.6 | 65 | 10.7 | 331.3 | 762 | 21.6 | 81 | 14.3 | 342.3 | 755 | 925 |
| 950 | 21.2 | 78 | 13.2 | 336.2 | 529 | 20.0 | 78 | 12.1 | 331.8 | 540 | 22.3 | 61 | 11.0 | 331.5 | 530 | 22.7 | 84 | 15.6 | 344.7 | 522 | 950 |
| 975 | 23.1 | 72 | 13.3 | 336.3 | 303 | 22.5 | 73 | 13.0 | 334.9 | 314 | 24.1 | 57 | 11.2 | 331.6 | 303 | 25.4 | 85 | 18.1 | 352.3 | 294 | 975 |
| 1000 | 24.9 | 69 | 13.7 | 337.2 | 81 | 26.3 | 64 | 14.0 | 339.5 | 92 | 25.8 | 56 | 11.7 | 332.7 | 81 | 28.0 | 86 | 20.8 | 360.7 | 69 | 1000 |
| SFC. | 26.1 | 83 | 17.8 | 348.7 | 0 | 27.8 | 65 | 15.3 | 344.1 | 0 | 26.8 | 71 | 15.8 | 344.2 | 0 | 28.8 | 86 | 21.8 | 363.5 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1009.2 | | SURFACE PRESSURE | | | 1010.4 | | SURFACE PRESSURE | | | 1009.2 | | SURFACE PRESSURE | | | 1007.7 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/12 5 4 GMT T | RH | W | EPT | H | 4/13 0 8 GMT T | RH | W | EPT | H | 4/13 6 0 GMT T | RH | W | EPT | H | 4/13 1240 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.5 | 0 | 0.0 | 464.3 | 19515 | -64.7 | 0 | 0.0 | 466.2 | 19586 | -65.0 | 0 | 0.0 | 465.4 | 19475 | -63.0 | 0 | 0.0 | 469.9 | 19523 | 60 |
| 70 | -70.6 | 0 | 0.0 | 433.4 | 18582 | -72.2 | 0 | 0.0 | 430.0 | 18663 | -74.3 | 0 | 0.0 | 425.4 | 18556 | -69.5 | 18 | .0 | 435.8 | 18595 | 70 |
| 80 | -77.0 | 24 | .0 | 403.9 | 17803 | -76.1 | 20 | .0 | 405.8 | 17886 | -77.8 | 21 | .0 | 402.2 | 17787 | -78.1 | 19 | .0 | 401.7 | 17820 | 80 |
| 90 | -80.3 | 23 | .0 | 384.0 | 17132 | -78.0 | 19 | .0 | 388.6 | 17209 | -80.5 | 21 | .0 | 383.7 | 17118 | -81.8 | 19 | .0 | 381.1 | 17154 | 90 |
| 100 | -78.2 | 22 | .0 | 376.7 | 16534 | -76.4 | 18 | .0 | 380.1 | 16608 | -80.0 | 21 | .0 | 373.2 | 16523 | -80.0 | 18 | .0 | 373.2 | 16563 | 100 |
| 110 | -75.8 | 22 | .0 | 371.0 | 15987 | -76.2 | 18 | .0 | 370.2 | 16058 | -77.1 | 21 | .0 | 368.7 | 15979 | -77.0 | 18 | .0 | 368.7 | 16018 | 110 |
| 120 | -74.9 | 22 | .0 | 363.6 | 15481 | -73.5 | 18 | .0 | 366.1 | 15554 | -74.4 | 22 | .0 | 364.5 | 15476 | -74.6 | 19 | .0 | 364.2 | 15516 | 120 |
| 130 | -75.3 | 22 | .0 | 354.6 | 15019 | -73.7 | 20 | .0 | 357.5 | 15086 | -75.0 | 22 | .0 | 355.2 | 15012 | -74.0 | 18 | .0 | 357.0 | 15048 | 130 |
| 140 | -72.4 | 22 | .0 | 352.4 | 14587 | -71.2 | 20 | .0 | 354.5 | 14651 | -72.3 | 21 | .0 | 352.4 | 14579 | -71.1 | 18 | .0 | 354.6 | 14612 | 140 |
| 150 | -69.1 | 22 | .0 | 351.1 | 14178 | -67.9 | 19 | .0 | 353.1 | 14240 | -69.2 | 21 | .0 | 350.9 | 14170 | -68.3 | 18 | .0 | 352.4 | 14201 | 150 |
| 160 | -65.9 | 22 | .0 | 350.1 | 13789 | -64.9 | 19 | .0 | 351.7 | 13849 | -66.3 | 21 | .0 | 349.5 | 13782 | -65.5 | 18 | .0 | 350.7 | 13811 | 160 |
| 170 | -62.9 | 22 | .0 | 349.1 | 13418 | -62.1 | 19 | .0 | 350.3 | 13477 | -63.5 | 20 | .0 | 348.0 | 13412 | -62.7 | 18 | .0 | 349.4 | 13440 | 170 |
| 180 | -60.0 | 22 | .0 | 348.1 | 13064 | -59.5 | 18 | .0 | 349.0 | 13121 | -60.9 | 20 | .0 | 346.6 | 13059 | -60.0 | 18 | .0 | 348.1 | 13086 | 180 |
| 190 | -57.4 | 22 | .0 | 347.0 | 12724 | -56.7 | 18 | .0 | 348.1 | 12781 | -58.5 | 20 | .0 | 345.2 | 12721 | -57.5 | 18 | .0 | 346.9 | 12746 | 190 |
| 200 | -55.6 | 22 | .0 | 344.8 | 12399 | -53.6 | 18 | .0 | 348.0 | 12454 | -56.1 | 20 | .0 | 344.1 | 12397 | -54.7 | 17 | .0 | 346.3 | 12420 | 200 |
| 225 | -48.7 | 20 | .0 | 344.0 | 11637 | -46.5 | 17 | .0 | 347.4 | 11684 | -48.7 | 19 | .0 | 344.1 | 11635 | -47.7 | 15 | .0 | 345.6 | 11655 | 225 |
| 250 | -42.5 | 18 | .1 | 343.1 | 10935 | -40.1 | 16 | .1 | 346.7 | 10975 | -42.0 | 18 | .1 | 343.9 | 10932 | -41.9 | 14 | .1 | 344.1 | 10950 | 250 |
| 275 | -36.7 | 17 | .1 | 342.4 | 10283 | -35.2 | 16 | .1 | 344.7 | 10317 | -36.0 | 17 | .1 | 343.5 | 10279 | -36.6 | 13 | .1 | 342.6 | 10297 | 275 |
| 300 | -31.5 | 16 | .1 | 341.7 | 9674 | -30.8 | 16 | .2 | 342.7 | 9706 | -32.9 | 17 | .1 | 339.6 | 9670 | -31.5 | 13 | .1 | 341.5 | 9688 | 300 |
| 325 | -26.6 | 15 | .2 | 340.8 | 9102 | -25.5 | 16 | .2 | 342.5 | 9132 | -27.6 | 16 | .2 | 339.4 | 9101 | -26.0 | 11 | .2 | 341.6 | 9115 | 325 |
| 350 | -22.1 | 14 | .3 | 340.0 | 8562 | -21.0 | 15 | .3 | 341.7 | 8589 | -22.7 | 15 | .3 | 339.2 | 8563 | -21.5 | 11 | .2 | 340.7 | 8573 | 350 |
| 375 | -17.8 | 14 | .4 | 339.5 | 8049 | -16.9 | 15 | .4 | 340.8 | 8075 | -18.2 | 15 | .4 | 339.0 | 8052 | -17.6 | 12 | .3 | 339.5 | 8061 | 375 |
| 400 | -15.0 | 15 | .4 | 337.2 | 7564 | -13.1 | 14 | .5 | 339.9 | 7587 | -13.9 | 14 | .5 | 338.7 | 7566 | -16.1 | 16 | .4 | 335.8 | 7576 | 400 |
| 425 | -12.1 | 14 | .5 | 335.4 | 7103 | -11.2 | 15 | .6 | 336.8 | 7124 | -13.4 | 22 | .7 | 334.4 | 7105 | -13.5 | 25 | .8 | 334.6 | 7117 | 425 |
| 450 | -9.4 | 14 | .6 | 333.6 | 6663 | -9.2 | 16 | .7 | 334.2 | 6684 | -10.2 | 21 | .8 | 333.4 | 6667 | -10.0 | 21 | .8 | 333.7 | 6679 | 450 |
| 475 | -7.2 | 12 | .6 | 331.2 | 6244 | -6.9 | 18 | .8 | 332.5 | 6263 | -7.9 | 24 | 1.1 | 332.0 | 6248 | -6.8 | 17 | .8 | 332.6 | 6260 | 475 |
| 500 | -5.5 | 28 | 1.4 | 331.3 | 5843 | -5.7 | 23 | 1.1 | 330.1 | 5862 | -6.5 | 31 | 1.5 | 330.3 | 5848 | -3.9 | 15 | .9 | 331.4 | 5857 | 500 |
| 525 | -3.6 | 53 | 3.0 | 334.1 | 5459 | -3.3 | 25 | 1.4 | 329.5 | 5478 | -4.4 | 44 | 2.3 | 331.1 | 5466 | -2.0 | 20 | 1.2 | 330.4 | 5471 | 525 |
| 550 | -1.7 | 33 | 2.0 | 329.0 | 5090 | -.5 | 27 | 1.8 | 329.7 | 5109 | -1.4 | 49 | 3.1 | 332.7 | 5097 | -.2 | 24 | 1.6 | 329.6 | 5100 | 550 |
| 575 | -.3 | 59 | 3.8 | 331.9 | 4735 | 2.1 | 29 | 2.2 | 330.1 | 4751 | 2.2 | 41 | 3.2 | 333.1 | 4740 | 1.9 | 39 | 3.0 | 332.2 | 4743 | 575 |
| 600 | 1.6 | 55 | 4.0 | 330.8 | 4393 | 4.7 | 30 | 2.7 | 330.5 | 4406 | 4.7 | 42 | 3.8 | 334.0 | 4395 | 4.9 | 20 | 1.8 | 328.1 | 4398 | 600 |
| 625 | 3.8 | 46 | 3.7 | 328.7 | 4062 | 7.0 | 31 | 3.1 | 330.7 | 4072 | 5.9 | 38 | 3.6 | 330.9 | 4061 | 6.1 | 33 | 3.1 | 329.6 | 4064 | 625 |
| 650 | 6.3 | 50 | 4.6 | 330.8 | 3742 | 9.3 | 31 | 3.5 | 331.0 | 3748 | 7.2 | 39 | 3.8 | 329.5 | 3739 | 7.0 | 49 | 4.8 | 332.2 | 3742 | 650 |
| 675 | 8.9 | 34 | 3.6 | 327.3 | 3431 | 10.4 | 32 | 3.8 | 329.6 | 3435 | 8.5 | 46 | 4.7 | 330.2 | 3428 | 8.7 | 51 | 5.3 | 332.2 | 3431 | 675 |
| 700 | 10.2 | 53 | 5.9 | 332.3 | 3129 | 11.4 | 34 | 4.0 | 328.1 | 3131 | 9.9 | 50 | 5.5 | 330.7 | 3126 | 10.1 | 69 | 7.7 | 337.3 | 3128 | 700 |
| 725 | 12.0 | 41 | 5.0 | 328.2 | 2836 | 12.3 | 35 | 4.3 | 326.7 | 2838 | 11.3 | 53 | 6.1 | 330.8 | 2833 | 11.1 | 68 | 7.8 | 335.5 | 2835 | 725 |
| 750 | 13.6 | 31 | 4.0 | 324.1 | 2551 | 13.2 | 36 | 4.6 | 325.3 | 2553 | 12.5 | 54 | 6.5 | 330.2 | 2549 | 12.4 | 50 | 6.1 | 328.8 | 2551 | 750 |
| 775 | 15.5 | 22 | 3.1 | 320.5 | 2274 | 14.0 | 39 | 5.1 | 324.7 | 2277 | 14.2 | 49 | 6.4 | 328.8 | 2273 | 14.7 | 45 | 6.0 | 328.2 | 2275 | 775 |
| 800 | 16.4 | 52 | 7.6 | 331.7 | 2005 | 14.4 | 59 | 7.6 | 329.3 | 2009 | 16.1 | 44 | 6.4 | 327.9 | 2004 | 16.9 | 40 | 6.1 | 327.9 | 2005 | 800 |
| 825 | 14.5 | 95 | 12.0 | 338.9 | 1743 | 15.7 | 65 | 8.8 | 331.3 | 1748 | 17.3 | 50 | 7.5 | 329.5 | 1741 | 18.6 | 40 | 6.5 | 328.1 | 1742 | 825 |
| 850 | 16.3 | 91 | 12.6 | 339.8 | 1489 | 17.4 | 63 | 9.3 | 331.8 | 1493 | 17.8 | 62 | 9.5 | 332.9 | 1486 | 18.3 | 61 | 9.5 | 333.6 | 1486 | 850 |
| 875 | 18.0 | 88 | 13.2 | 340.7 | 1241 | 19.0 | 61 | 9.7 | 332.2 | 1244 | 18.4 | 75 | 11.5 | 336.2 | 1237 | 18.0 | 87 | 13.0 | 340.0 | 1237 | 875 |
| 900 | 19.7 | 93 | 15.2 | 345.2 | 997 | 20.7 | 59 | 10.2 | 332.6 | 1001 | 19.4 | 72 | 11.4 | 334.4 | 994 | 19.5 | 89 | 14.2 | 342.3 | 994 | 900 |
| 925 | 20.7 | 94 | 15.8 | 345.4 | 760 | 22.3 | 58 | 10.7 | 333.4 | 763 | 20.5 | 82 | 13.7 | 339.4 | 757 | 20.9 | 91 | 15.5 | 344.7 | 757 | 925 |
| 950 | 22.0 | 92 | 16.4 | 346.0 | 528 | 24.3 | 58 | 11.7 | 336.0 | 530 | 21.8 | 94 | 16.5 | 346.1 | 525 | 22.4 | 92 | 16.7 | 347.2 | 525 | 950 |
| 975 | 24.5 | 84 | 17.0 | 347.9 | 300 | 26.2 | 58 | 12.8 | 338.7 | 302 | 24.2 | 85 | 16.9 | 347.4 | 298 | 24.8 | 83 | 17.0 | 348.4 | 297 | 975 |
| 1000 | 26.6 | 86 | 19.3 | 354.6 | 76 | 29.1 | 70 | 18.0 | 354.3 | 77 | 26.6 | 80 | 17.8 | 350.2 | 74 | 26.6 | 87 | 19.4 | 354.8 | 73 | 1000 |
| SFC. | 27.2 | 94 | 21.6 | 360.8 | 0 | 31.1 | 84 | 24.3 | 373.9 | 0 | 27.2 | 92 | 21.2 | 359.5 | 0 | 26.9 | 94 | 21.3 | 359.4 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.6 | SURFACE PRESSURE | | | | 1008.6 | SURFACE PRESSURE | | | | 1008.4 | SURFACE PRESSURE | | | | 1008.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/13 1757 GMT T | RH | W | EPT | H | 4/13 1950 GMT T | RH | W | EPT | H | 4/13 2310 GMT T | RH | W | EPT | H | 4/14 145 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.3 | 0 | 0.0 | 469.2 | 19501 | -61.6 | 0 | 0.0 | 473.0 | 19514 | -65.0 | 0 | 0.0 | 465.5 | 19563 | -61.7 | 0 | 0.0 | 472.8 | 19572 | 60 |
| 70 | -71.3 | 0 | 0.0 | 431.9 | 18576 | -70.4 | 0 | 0.0 | 433.7 | 18587 | -73.6 | 21 | .0 | 426.9 | 18646 | -71.1 | 0 | 0.0 | 432.3 | 18647 | 70 |
| 80 | -75.7 | 18 | .0 | 406.7 | 17793 | -72.2 | 18 | .0 | 413.9 | 17797 | -75.9 | 21 | .0 | 406.3 | 17870 | -74.8 | 16 | .0 | 408.5 | 17865 | 80 |
| 90 | -82.5 | 18 | .0 | 379.6 | 17123 | -79.9 | 19 | .0 | 384.8 | 17119 | -81.0 | 21 | .0 | 382.5 | 17197 | -76.3 | 16 | .0 | 392.0 | 17183 | 90 |
| 100 | -81.5 | 18 | .0 | 370.3 | 16536 | -80.4 | 19 | .0 | 372.4 | 16527 | -80.8 | 21 | .0 | 371.6 | 16604 | -80.1 | 15 | .0 | 373.0 | 16585 | 100 |
| 110 | -79.0 | 18 | .0 | 365.0 | 15998 | -79.3 | 19 | .0 | 364.5 | 15988 | -77.1 | 21 | .0 | 368.6 | 16062 | -79.4 | 16 | .0 | 364.3 | 16046 | 110 |
| 120 | -75.1 | 18 | .0 | 363.2 | 15499 | -75.5 | 19 | .0 | 362.5 | 15490 | -73.8 | 21 | .0 | 365.7 | 15559 | -75.0 | 16 | .0 | 363.4 | 15547 | 120 |
| 130 | -71.5 | 18 | .0 | 361.5 | 15030 | -71.7 | 18 | .0 | 361.0 | 15022 | -70.7 | 20 | .0 | 362.9 | 15088 | -71.0 | 16 | .0 | 362.4 | 15078 | 130 |
| 140 | -70.0 | 18 | .0 | 356.5 | 14591 | -69.7 | 18 | .0 | 357.1 | 14582 | -67.8 | 20 | .0 | 360.3 | 14645 | -69.6 | 15 | .0 | 357.3 | 14637 | 140 |
| 150 | -68.6 | 18 | .0 | 352.0 | 14179 | -68.7 | 18 | .0 | 351.8 | 14170 | -65.2 | 20 | .0 | 357.9 | 14227 | -67.3 | 15 | .0 | 354.3 | 14224 | 150 |
| 160 | -66.9 | 18 | .0 | 348.5 | 13791 | -66.4 | 18 | .0 | 349.3 | 13782 | -62.3 | 20 | .0 | 356.2 | 13832 | -64.5 | 15 | .0 | 352.4 | 13832 | 160 |
| 170 | -63.8 | 18 | .0 | 347.6 | 13422 | -63.4 | 18 | .0 | 348.3 | 13412 | -59.6 | 20 | .0 | 354.6 | 13455 | -61.9 | 15 | .0 | 350.6 | 13460 | 170 |
| 180 | -60.9 | 18 | .0 | 346.7 | 13069 | -60.5 | 18 | .0 | 347.3 | 13058 | -57.0 | 20 | .0 | 353.1 | 13095 | -59.5 | 15 | .0 | 348.9 | 13104 | 180 |
| 190 | -58.0 | 18 | .0 | 346.0 | 12731 | -57.8 | 18 | .0 | 346.3 | 12719 | -54.6 | 20 | .0 | 351.6 | 12751 | -57.2 | 15 | .0 | 347.3 | 12764 | 190 |
| 200 | -55.3 | 18 | .0 | 345.3 | 12406 | -55.2 | 18 | .0 | 345.4 | 12394 | -52.3 | 19 | .0 | 350.1 | 12421 | -54.3 | 15 | .0 | 346.8 | 12437 | 200 |
| 225 | -49.0 | 17 | .0 | 343.5 | 11643 | -49.3 | 17 | .0 | 343.2 | 11632 | -47.0 | 19 | .0 | 346.7 | 11650 | -47.6 | 14 | .0 | 345.8 | 11671 | 225 |
| 250 | -42.5 | 16 | .1 | 343.1 | 10942 | -43.1 | 17 | .1 | 342.3 | 10932 | -41.7 | 19 | .1 | 344.4 | 10945 | -41.5 | 13 | .1 | 344.6 | 10966 | 250 |
| 275 | -36.4 | 15 | .1 | 342.9 | 10290 | -37.2 | 16 | .1 | 341.7 | 10282 | -35.9 | 18 | .1 | 343.7 | 10290 | -35.6 | 12 | .1 | 344.0 | 10311 | 275 |
| 300 | -31.3 | 14 | .1 | 341.9 | 9680 | -32.5 | 16 | .1 | 340.1 | 9674 | -30.7 | 18 | .2 | 342.9 | 9679 | -30.2 | 12 | .1 | 343.3 | 9699 | 300 |
| 325 | -26.5 | 14 | .2 | 340.9 | 9107 | -27.3 | 15 | .2 | 339.8 | 9104 | -25.8 | 17 | .2 | 342.1 | 9105 | -25.3 | 11 | .2 | 342.5 | 9123 | 325 |
| 350 | -22.1 | 13 | .2 | 339.9 | 8567 | -22.7 | 14 | .2 | 339.2 | 8565 | -21.7 | 17 | .3 | 340.8 | 8564 | -20.7 | 10 | .2 | 341.8 | 8580 | 350 |
| 375 | -18.1 | 13 | .3 | 338.9 | 8056 | -19.0 | 14 | .3 | 337.7 | 8055 | -18.1 | 16 | .4 | 339.2 | 8052 | -16.5 | 10 | .3 | 340.9 | 8066 | 375 |
| 400 | -14.9 | 13 | .4 | 337.2 | 7571 | -15.5 | 14 | .4 | 336.4 | 7572 | -14.7 | 16 | .5 | 337.8 | 7567 | -14.4 | 10 | .3 | 337.5 | 7579 | 400 |
| 425 | -12.9 | 15 | .5 | 334.3 | 7110 | -12.0 | 14 | .5 | 335.4 | 7111 | -12.6 | 17 | .6 | 335.0 | 7106 | -11.9 | 11 | .4 | 335.2 | 7117 | 425 |
| 450 | -11.2 | 17 | .6 | 331.4 | 6673 | -11.4 | 17 | .6 | 331.1 | 6673 | -10.4 | 18 | .7 | 332.8 | 6668 | -9.6 | 12 | .5 | 333.0 | 6678 | 450 |
| 475 | -8.3 | 16 | .7 | 330.1 | 6256 | -8.5 | 16 | .7 | 329.9 | 6256 | -7.5 | 18 | .8 | 331.7 | 6249 | -7.4 | 12 | .6 | 330.9 | 6259 | 475 |
| 500 | -5.6 | 18 | .9 | 329.4 | 5856 | -5.7 | 14 | .7 | 328.8 | 5857 | -4.8 | 18 | 1.0 | 330.7 | 5848 | -5.1 | 14 | .7 | 329.4 | 5858 | 500 |
| 525 | -3.1 | 22 | 1.3 | 329.1 | 5472 | -3.3 | 18 | 1.0 | 328.2 | 5472 | -2.2 | 18 | 1.1 | 329.7 | 5463 | -2.3 | 15 | .9 | 329.1 | 5473 | 525 |
| 550 | -.7 | 26 | 1.7 | 329.1 | 5102 | -1.2 | 24 | 1.6 | 328.1 | 5103 | -.4 | 20 | 1.4 | 328.4 | 5092 | .4 | 17 | 1.2 | 328.8 | 5101 | 550 |
| 575 | 1.5 | 30 | 2.2 | 329.2 | 4745 | .9 | 29 | 2.1 | 328.1 | 4747 | 1.4 | 23 | 1.6 | 327.3 | 4735 | 1.6 | 25 | 1.9 | 328.4 | 4744 | 575 |
| 600 | 3.2 | 33 | 2.6 | 328.6 | 4401 | 3.1 | 20 | 1.6 | 325.2 | 4404 | 3.2 | 28 | 2.2 | 327.3 | 4392 | 3.2 | 21 | 1.7 | 325.7 | 4400 | 600 |
| 625 | 4.7 | 36 | 3.1 | 327.9 | 4069 | 4.7 | 25 | 2.1 | 325.0 | 4072 | 4.9 | 34 | 3.0 | 327.8 | 4060 | 5.6 | 26 | 2.4 | 326.9 | 4068 | 625 |
| 650 | 6.4 | 43 | 4.0 | 328.9 | 3749 | 6.3 | 33 | 3.0 | 325.8 | 3752 | 6.6 | 40 | 3.7 | 328.6 | 3739 | 7.9 | 31 | 3.2 | 328.3 | 3746 | 650 |
| 675 | 8.1 | 53 | 5.3 | 331.4 | 3438 | 7.9 | 42 | 4.2 | 327.8 | 3441 | 8.3 | 45 | 4.6 | 329.5 | 3428 | 10.2 | 35 | 4.1 | 330.2 | 3434 | 675 |
| 700 | 9.7 | 63 | 6.8 | 334.3 | 3136 | 9.7 | 43 | 4.7 | 327.9 | 3140 | 10.0 | 44 | 4.9 | 329.0 | 3126 | 11.6 | 40 | 4.8 | 330.7 | 3130 | 700 |
| 725 | 11.1 | 55 | 6.3 | 331.0 | 2844 | 10.9 | 51 | 5.7 | 329.1 | 2848 | 11.8 | 41 | 4.9 | 327.7 | 2834 | 12.8 | 44 | 5.6 | 331.0 | 2836 | 725 |
| 750 | 12.4 | 45 | 5.4 | 326.7 | 2560 | 12.2 | 49 | 5.8 | 327.6 | 2564 | 13.5 | 37 | 4.8 | 326.4 | 2549 | 14.3 | 44 | 5.9 | 330.6 | 2551 | 750 |
| 775 | 14.1 | 39 | 5.1 | 324.7 | 2284 | 14.6 | 36 | 4.8 | 324.5 | 2288 | 15.1 | 34 | 4.7 | 324.9 | 2272 | 17.3 | 27 | 4.2 | 326.0 | 2272 | 775 |
| 800 | 16.3 | 37 | 5.3 | 324.9 | 2015 | 16.5 | 31 | 4.6 | 323.1 | 2019 | 16.7 | 31 | 4.6 | 323.4 | 2003 | 18.3 | 23 | 3.8 | 322.9 | 2001 | 800 |
| 825 | 18.4 | 34 | 5.5 | 325.1 | 1753 | 18.1 | 32 | 5.0 | 323.3 | 1757 | 16.3 | 43 | 6.0 | 324.1 | 1741 | 18.7 | 25 | 4.1 | 321.1 | 1737 | 825 |
| 850 | 16.3 | 74 | 10.2 | 333.0 | 1498 | 15.7 | 73 | 9.7 | 330.8 | 1502 | 16.0 | 69 | 9.4 | 330.4 | 1487 | 17.1 | 70 | 10.1 | 333.9 | 1482 | 850 |
| 875 | 18.0 | 73 | 11.0 | 334.5 | 1250 | 17.5 | 75 | 10.8 | 333.2 | 1254 | 17.9 | 67 | 10.0 | 331.4 | 1239 | 18.8 | 66 | 10.4 | 333.9 | 1233 | 875 |
| 900 | 19.9 | 70 | 11.5 | 335.6 | 1007 | 19.1 | 71 | 11.0 | 333.1 | 1012 | 19.7 | 65 | 10.5 | 332.4 | 997 | 20.4 | 69 | 11.6 | 336.3 | 990 | 900 |
| 925 | 21.6 | 70 | 12.3 | 337.0 | 769 | 20.6 | 68 | 11.2 | 332.8 | 776 | 21.5 | 63 | 11.1 | 333.3 | 759 | 22.1 | 71 | 13.0 | 339.6 | 752 | 925 |
| 950 | 22.4 | 79 | 14.3 | 340.7 | 537 | 22.1 | 64 | 11.4 | 332.5 | 544 | 23.2 | 61 | 11.6 | 334.2 | 527 | 24.7 | 73 | 15.2 | 346.2 | 519 | 950 |
| 975 | 24.4 | 82 | 16.5 | 346.5 | 309 | 24.3 | 70 | 13.9 | 339.6 | 317 | 24.9 | 59 | 12.1 | 335.1 | 299 | 27.2 | 75 | 17.7 | 353.6 | 289 | 975 |
| 1000 | 26.4 | 86 | 18.8 | 352.9 | 86 | 27.4 | 71 | 16.7 | 348.3 | 93 | 28.2 | 69 | 17.0 | 350.3 | 76 | 29.6 | 77 | 20.4 | 361.8 | 63 | 1000 |
| SFC. | 27.1 | 87 | 19.8 | 355.6 | 0 | 29.4 | 75 | 19.5 | 357.8 | 0 | 30.4 | 80 | 22.2 | 366.9 | 0 | 30.3 | 77 | 21.2 | 364.2 | 0 | SFC. |
| | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1007.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/14 515 GMT T | RH | W | EPT | H | 4/14 1147 GMT T | RH | W | EPT | H | 4/14 1756 GMT T | RH | W | EPT | H | 4/15 014 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.2 | 0 | 0.0 | 471.7 | 19383 | -66.0 | 0 | 0.0 | 463.2 | 19507 | -61.3 | 0 | 0.0 | 473.7 | 19455 | -63.3 | 0 | 0.0 | 469.2 | 19440 | 60 |
| 70 | -75.1 | 0 | 0.0 | 423.7 | 18460 | -74.0 | 0 | 0.0 | 426.1 | 18584 | -71.8 | 0 | 0.0 | 430.9 | 18525 | -71.7 | 17 | .0 | 431.1 | 18511 | 70 |
| 80 | -78.1 | 0 | 0.0 | 401.7 | 17693 | -79.5 | 17 | .0 | 398.8 | 17812 | -78.5 | 18 | .0 | 400.9 | 17752 | -78.4 | 17 | .0 | 401.1 | 17738 | 80 |
| 90 | -79.8 | 0 | 0.0 | 384.9 | 17023 | -80.6 | 17 | .0 | 383.4 | 17142 | -78.3 | 18 | .0 | 388.1 | 17080 | -80.1 | 16 | .0 | 384.5 | 17068 | 90 |
| 100 | -84.2 | 15 | .0 | 365.1 | 16434 | -81.8 | 17 | .0 | 369.7 | 16554 | -82.9 | 18 | .0 | 367.6 | 16484 | -82.8 | 17 | .0 | 367.8 | 16477 | 100 |
| 110 | -82.6 | 15 | .0 | 358.3 | 15905 | -80.6 | 17 | .0 | 362.0 | 16021 | -80.9 | 18 | .0 | 361.5 | 15950 | -80.9 | 17 | .0 | 361.4 | 15943 | 110 |
| 120 | -79.0 | 15 | .0 | 356.1 | 15414 | -77.3 | 16 | .0 | 359.2 | 15526 | -79.1 | 18 | .0 | 355.9 | 15457 | -77.9 | 17 | .0 | 358.0 | 15450 | 120 |
| 130 | -75.6 | 15 | .0 | 354.0 | 14955 | -74.3 | 16 | .0 | 356.4 | 15063 | -75.4 | 18 | .0 | 354.5 | 14998 | -74.6 | 17 | .0 | 355.8 | 14988 | 130 |
| 140 | -72.6 | 14 | .0 | 352.0 | 14523 | -71.2 | 16 | .0 | 354.3 | 14628 | -71.8 | 18 | .0 | 353.4 | 14565 | -71.6 | 16 | .0 | 353.7 | 14554 | 140 |
| 150 | -69.7 | 14 | .0 | 350.1 | 14115 | -68.4 | 16 | .0 | 352.3 | 14217 | -68.8 | 18 | .0 | 351.7 | 14155 | -68.8 | 16 | .0 | 351.7 | 14144 | 150 |
| 160 | -67.0 | 14 | .0 | 348.2 | 13728 | -65.3 | 16 | .0 | 351.1 | 13828 | -66.2 | 18 | .0 | 349.6 | 13767 | -66.1 | 16 | .0 | 349.7 | 13755 | 160 |
| 170 | -64.5 | 14 | .0 | 346.4 | 13360 | -61.5 | 15 | .0 | 351.3 | 13455 | -63.6 | 18 | .0 | 347.9 | 13397 | -63.2 | 16 | .0 | 348.6 | 13385 | 170 |
| 180 | -61.6 | 14 | .0 | 345.6 | 13008 | -58.0 | 15 | .0 | 351.5 | 13098 | -60.9 | 18 | .0 | 346.7 | 13044 | -60.2 | 16 | .0 | 347.7 | 13031 | 180 |
| 190 | -58.6 | 13 | .0 | 345.0 | 12671 | -55.8 | 15 | .0 | 349.5 | 12755 | -58.0 | 18 | .0 | 346.0 | 12705 | -57.5 | 16 | .0 | 346.8 | 12692 | 190 |
| 200 | -55.9 | 13 | .0 | 344.4 | 12347 | -53.5 | 15 | .0 | 348.2 | 12427 | -55.2 | 18 | .0 | 345.4 | 12380 | -54.9 | 16 | .0 | 345.9 | 12366 | 200 |
| 225 | -49.5 | 12 | .0 | 342.7 | 11586 | -47.5 | 15 | .0 | 345.8 | 11660 | -48.7 | 18 | .0 | 344.0 | 11617 | -48.4 | 16 | .0 | 344.5 | 11602 | 225 |
| 250 | -43.5 | 12 | .0 | 341.6 | 10887 | -41.7 | 13 | .1 | 344.3 | 10954 | -42.9 | 18 | .1 | 342.5 | 10916 | -42.3 | 15 | .1 | 343.4 | 10899 | 250 |
| 275 | -37.2 | 11 | .1 | 341.7 | 10237 | -36.2 | 12 | .1 | 343.2 | 10301 | -37.1 | 17 | .1 | 341.8 | 10265 | -36.9 | 15 | .1 | 342.2 | 10247 | 275 |
| 300 | -31.4 | 10 | .1 | 341.5 | 9629 | -31.0 | 12 | .1 | 342.2 | 9690 | -31.7 | 16 | .1 | 341.3 | 9657 | -31.9 | 14 | .1 | 341.0 | 9639 | 300 |
| 325 | -26.4 | 10 | .1 | 340.9 | 9056 | -26.3 | 11 | .2 | 341.1 | 9117 | -27.8 | 16 | .2 | 339.2 | 9086 | -27.5 | 14 | .2 | 339.5 | 9068 | 325 |
| 350 | -22.2 | 10 | .2 | 339.6 | 8516 | -21.9 | 10 | .2 | 340.1 | 8577 | -23.4 | 15 | .2 | 338.3 | 8549 | -23.7 | 13 | .2 | 337.7 | 8531 | 350 |
| 375 | -18.3 | 10 | .2 | 338.4 | 8005 | -18.1 | 10 | .3 | 338.6 | 8065 | -19.3 | 14 | .3 | 337.3 | 8039 | -20.1 | 13 | .3 | 336.0 | 8023 | 375 |
| 400 | -16.4 | 10 | .3 | 334.7 | 7521 | -14.9 | 11 | .3 | 336.9 | 7580 | -16.2 | 14 | .4 | 335.4 | 7557 | -16.8 | 12 | .3 | 334.4 | 7541 | 400 |
| 425 | -14.0 | 10 | .3 | 332.1 | 7063 | -12.3 | 10 | .3 | 334.5 | 7119 | -13.0 | 13 | .4 | 334.0 | 7098 | -14.1 | 13 | .4 | 332.4 | 7084 | 425 |
| 450 | -11.8 | 10 | .3 | 329.8 | 6627 | -10.3 | 10 | .4 | 331.9 | 6680 | -11.3 | 16 | .6 | 331.2 | 6660 | -11.5 | 14 | .5 | 330.7 | 6648 | 450 |
| 475 | -9.6 | 10 | .4 | 327.6 | 6212 | -7.2 | 12 | .6 | 331.1 | 6262 | -8.2 | 15 | .7 | 330.3 | 6243 | -8.8 | 15 | .6 | 329.3 | 6231 | 475 |
| 500 | -7.0 | 10 | .5 | 326.2 | 5814 | -5.6 | 16 | .8 | 329.1 | 5861 | -6.7 | 16 | .8 | 327.6 | 5844 | -6.3 | 15 | .7 | 328.0 | 5832 | 500 |
| 525 | -4.2 | 11 | .6 | 325.5 | 5432 | -3.4 | 18 | 1.0 | 327.9 | 5477 | -4.5 | 17 | .9 | 326.3 | 5461 | -3.9 | 15 | .8 | 326.7 | 5449 | 525 |
| 550 | -2.2 | 13 | .8 | 324.3 | 5064 | -.7 | 17 | 1.1 | 327.2 | 5107 | -2.5 | 21 | 1.2 | 325.3 | 5094 | -1.6 | 16 | 1.0 | 325.6 | 5081 | 550 |
| 575 | -.3 | 15 | 1.0 | 323.2 | 4709 | .5 | 28 | 1.9 | 327.2 | 4751 | -.9 | 26 | 1.6 | 324.5 | 4740 | .5 | 16 | 1.1 | 324.5 | 4725 | 575 |
| 600 | 1.6 | 18 | 1.3 | 322.3 | 4368 | 1.8 | 45 | 3.2 | 328.8 | 4409 | .7 | 31 | 2.1 | 323.8 | 4399 | 2.3 | 19 | 1.5 | 323.8 | 4383 | 600 |
| 625 | 3.2 | 34 | 2.6 | 324.6 | 4038 | 3.4 | 51 | 4.0 | 329.2 | 4079 | 2.8 | 35 | 2.6 | 324.1 | 4070 | 3.8 | 25 | 2.0 | 323.4 | 4052 | 625 |
| 650 | 5.3 | 33 | 2.9 | 324.3 | 3719 | 6.1 | 52 | 4.7 | 330.9 | 3759 | 5.7 | 36 | 3.2 | 325.6 | 3751 | 5.9 | 26 | 2.3 | 323.4 | 3733 | 650 |
| 675 | 7.3 | 36 | 3.4 | 324.8 | 3409 | 8.6 | 53 | 5.6 | 332.8 | 3448 | 8.4 | 37 | 3.8 | 327.3 | 3441 | 8.1 | 27 | 2.7 | 323.5 | 3423 | 675 |
| 700 | 9.3 | 38 | 4.0 | 325.4 | 3109 | 10.5 | 59 | 6.7 | 334.9 | 3146 | 10.4 | 40 | 4.5 | 328.3 | 3139 | 10.1 | 28 | 3.1 | 323.7 | 3121 | 700 |
| 725 | 11.1 | 41 | 4.6 | 326.2 | 2817 | 11.8 | 63 | 7.6 | 335.8 | 2852 | 11.5 | 44 | 5.1 | 328.2 | 2846 | 11.3 | 35 | 4.0 | 324.7 | 2829 | 725 |
| 750 | 12.0 | 49 | 5.7 | 327.2 | 2534 | 13.9 | 48 | 6.4 | 331.5 | 2567 | 12.8 | 45 | 5.6 | 327.8 | 2562 | 12.6 | 38 | 4.6 | 324.8 | 2545 | 750 |
| 775 | 13.0 | 29 | 3.6 | 319.1 | 2258 | 15.8 | 36 | 5.3 | 327.3 | 2290 | 15.1 | 36 | 5.0 | 325.5 | 2286 | 14.9 | 28 | 3.8 | 321.7 | 2269 | 775 |
| 800 | 13.6 | 20 | 2.5 | 313.5 | 1992 | 17.3 | 32 | 5.0 | 325.2 | 2019 | 16.9 | 30 | 4.6 | 323.6 | 2016 | 16.8 | 20 | 3.0 | 318.7 | 2000 | 800 |
| 825 | 13.6 | 74 | 8.8 | 329.0 | 1733 | 17.8 | 45 | 6.9 | 328.6 | 1756 | 17.8 | 35 | 5.5 | 324.3 | 1753 | 17.3 | 27 | 4.1 | 319.7 | 1738 | 825 |
| 850 | 15.0 | 97 | 12.3 | 337.2 | 1480 | 17.2 | 81 | 11.9 | 338.8 | 1501 | 17.7 | 53 | 7.9 | 328.3 | 1498 | 17.4 | 42 | 6.1 | 322.9 | 1483 | 850 |
| 875 | 16.6 | 93 | 12.7 | 337.4 | 1233 | 18.4 | 85 | 13.0 | 340.6 | 1252 | 17.5 | 71 | 10.3 | 331.9 | 1250 | 17.1 | 68 | 9.6 | 329.6 | 1235 | 875 |
| 900 | 18.4 | 81 | 12.0 | 334.8 | 991 | 19.9 | 83 | 13.7 | 341.4 | 1009 | 18.4 | 88 | 13.2 | 338.1 | 1008 | 18.7 | 64 | 9.6 | 328.8 | 994 | 900 |
| 925 | 20.1 | 86 | 13.8 | 339.2 | 755 | 21.2 | 86 | 14.9 | 343.6 | 771 | 19.8 | 97 | 15.4 | 343.3 | 771 | 20.3 | 68 | 11.1 | 332.2 | 758 | 925 |
| 950 | 21.7 | 91 | 15.8 | 344.0 | 523 | 22.3 | 90 | 16.4 | 346.3 | 539 | 20.9 | 95 | 15.7 | 342.6 | 540 | 21.9 | 74 | 12.9 | 336.3 | 526 | 950 |
| 975 | 23.9 | 83 | 16.1 | 344.9 | 296 | 23.5 | 94 | 17.9 | 349.1 | 311 | 23.2 | 86 | 15.9 | 343.5 | 313 | 23.5 | 67 | 12.6 | 334.8 | 299 | 975 |
| 1000 | 26.3 | 77 | 16.8 | 347.3 | 73 | 26.3 | 90 | 19.8 | 355.4 | 87 | 25.4 | 77 | 15.9 | 343.7 | 91 | 25.1 | 60 | 12.1 | 333.0 | 77 | 1000 |
| SFC. | 27.2 | 87 | 20.0 | 356.3 | 0 | 26.6 | 96 | 21.3 | 358.9 | 0 | 27.2 | 82 | 18.8 | 352.7 | 0 | 25.6 | 58 | 12.0 | 332.3 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.2 | SURFACE PRESSURE | | | | 1009.9 | SURFACE PRESSURE | | | | 1010.3 | SURFACE PRESSURE | | | | 1008.8 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/15 555 GMT T | RH | W | EPT | H | 4/15 1256 GMT T | RH | W | EPT | H | 4/15 1727 GMT T | RH | W | EPT | H | 4/15 2038 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.5 | 0 | 0.0 | 471.0 | 19499 | -64.8 | 0 | 0.0 | 465.9 | 19457 | -65.4 | 0 | 0.0 | 464.5 | 19518 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -69.0 | 0 | 0.0 | 436.8 | 18557 | -72.4 | 0 | 0.0 | 429.6 | 18521 | -64.1 | 0 | 0.0 | 447.3 | 18575 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -78.1 | 20 | .0 | 401.7 | 17777 | -78.8 | 28 | .0 | 400.2 | 17757 | -73.5 | 0 | 0.0 | 411.2 | 17776 | -77.7 | 0 | 0.0 | 402.5 | 17881 | 80 |
| 90 | -78.0 | 20 | .0 | 388.7 | 17104 | -78.1 | 28 | .0 | 388.4 | 17085 | -76.1 | 21 | .0 | 392.4 | 17093 | -77.3 | 18 | .0 | 390.0 | 17207 | 90 |
| 100 | -81.3 | 20 | .0 | 370.7 | 16505 | -81.4 | 28 | .0 | 370.5 | 16485 | -77.1 | 21 | .0 | 378.8 | 16487 | -75.9 | 19 | .0 | 381.1 | 16600 | 100 |
| 110 | -81.6 | 20 | .0 | 360.2 | 15972 | -81.4 | 28 | .0 | 360.5 | 15951 | -81.3 | 21 | .0 | 360.7 | 15946 | -78.3 | 19 | .0 | 366.4 | 16051 | 110 |
| 120 | -78.2 | 19 | .0 | 357.4 | 15479 | -77.7 | 28 | .0 | 358.4 | 15457 | -79.6 | 21 | .0 | 355.0 | 15454 | -77.8 | 20 | .0 | 358.3 | 15555 | 120 |
| 130 | -75.2 | 19 | .0 | 354.8 | 15019 | -74.3 | 28 | .0 | 356.4 | 14995 | -76.1 | 21 | .0 | 353.2 | 14997 | -74.5 | 19 | .0 | 356.1 | 15093 | 130 |
| 140 | -72.3 | 19 | .0 | 352.4 | 14586 | -71.2 | 27 | .0 | 354.4 | 14560 | -72.8 | 20 | .0 | 351.5 | 14565 | -71.4 | 19 | .0 | 354.0 | 14659 | 140 |
| 150 | -69.7 | 19 | .0 | 350.0 | 14178 | -68.3 | 27 | .0 | 352.5 | 14149 | -69.8 | 20 | .0 | 349.9 | 14158 | -68.0 | 19 | .0 | 353.0 | 14248 | 150 |
| 160 | -66.4 | 19 | .0 | 349.2 | 13790 | -65.5 | 27 | .0 | 350.8 | 13759 | -67.0 | 20 | .0 | 348.3 | 13771 | -64.9 | 19 | .0 | 351.8 | 13857 | 160 |
| 170 | -63.1 | 19 | .0 | 348.8 | 13420 | -62.3 | 27 | .0 | 350.0 | 13388 | -63.8 | 20 | .0 | 347.5 | 13402 | -61.9 | 19 | .0 | 350.7 | 13484 | 170 |
| 180 | -60.0 | 18 | .0 | 348.2 | 13066 | -59.4 | 26 | .0 | 349.2 | 13032 | -60.8 | 20 | .0 | 346.8 | 13049 | -59.0 | 19 | .0 | 349.7 | 13128 | 180 |
| 190 | -57.0 | 18 | .0 | 347.7 | 12726 | -56.6 | 26 | .0 | 348.4 | 12692 | -58.0 | 20 | .0 | 346.1 | 12710 | -56.3 | 19 | .0 | 348.9 | 12787 | 190 |
| 200 | -54.2 | 18 | .0 | 347.0 | 12399 | -53.9 | 25 | .0 | 347.6 | 12364 | -55.2 | 20 | .0 | 345.4 | 12385 | -53.6 | 19 | .0 | 348.0 | 12459 | 200 |
| 225 | -47.9 | 17 | .0 | 345.2 | 11633 | -47.6 | 25 | .1 | 345.9 | 11597 | -49.0 | 20 | .0 | 343.6 | 11623 | -47.5 | 19 | .0 | 346.0 | 11692 | 225 |
| 250 | -42.3 | 16 | .1 | 343.5 | 10929 | -41.6 | 24 | .1 | 344.6 | 10892 | -42.8 | 19 | .1 | 342.8 | 10921 | -41.2 | 19 | .1 | 345.2 | 10986 | 250 |
| 275 | -37.2 | 15 | .1 | 341.8 | 10278 | -36.9 | 30 | .2 | 342.5 | 10240 | -37.1 | 18 | .1 | 341.8 | 10271 | -35.5 | 19 | .1 | 344.4 | 10330 | 275 |
| 300 | -31.7 | 13 | .1 | 341.2 | 9670 | -31.7 | 24 | .2 | 341.6 | 9631 | -32.0 | 17 | .1 | 340.9 | 9663 | -30.3 | 18 | .2 | 343.5 | 9718 | 300 |
| 325 | -26.6 | 11 | .1 | 340.6 | 9098 | -26.9 | 18 | .2 | 340.6 | 9059 | -27.2 | 16 | .2 | 340.0 | 9092 | -25.5 | 18 | .3 | 342.6 | 9143 | 325 |
| 350 | -23.2 | 10 | .2 | 338.2 | 8558 | -23.2 | 15 | .3 | 338.5 | 8520 | -22.4 | 14 | .2 | 339.5 | 8553 | -21.1 | 18 | .4 | 341.8 | 8600 | 350 |
| 375 | -19.6 | 10 | .2 | 336.5 | 8049 | -20.9 | 15 | .3 | 335.0 | 8013 | -20.2 | 15 | .3 | 336.1 | 8044 | -18.8 | 14 | .3 | 337.9 | 8088 | 375 |
| 400 | -16.1 | 10 | .3 | 335.2 | 7567 | -17.2 | 13 | .3 | 333.9 | 7533 | -16.8 | 13 | .3 | 334.5 | 7562 | -16.0 | 14 | .4 | 335.7 | 7605 | 400 |
| 425 | -13.7 | 12 | .4 | 332.8 | 7108 | -14.8 | 16 | .4 | 331.7 | 7076 | -13.9 | 14 | .4 | 332.9 | 7104 | -13.3 | 15 | .5 | 333.7 | 7146 | 425 |
| 450 | -11.5 | 13 | .5 | 330.5 | 6672 | -12.6 | 40 | 1.3 | 332.0 | 6642 | -13.4 | 39 | 1.2 | 330.7 | 6669 | -10.8 | 15 | .6 | 331.8 | 6709 | 450 |
| 475 | -8.8 | 16 | .7 | 329.6 | 6255 | -8.7 | 26 | 1.1 | 331.0 | 6226 | -9.7 | 31 | 1.2 | 330.2 | 6255 | -8.1 | 30 | 1.3 | 332.6 | 6291 | 475 |
| 500 | -7.4 | 16 | .7 | 326.5 | 5857 | -7.6 | 35 | 1.5 | 329.0 | 5827 | -6.5 | 22 | 1.0 | 328.8 | 5856 | -5.5 | 18 | .9 | 329.6 | 5891 | 500 |
| 525 | -5.0 | 16 | .8 | 325.3 | 5476 | -5.0 | 21 | 1.0 | 326.1 | 5446 | -4.7 | 23 | 1.2 | 327.0 | 5474 | -3.1 | 19 | 1.1 | 328.5 | 5506 | 525 |
| 550 | -2.0 | 17 | 1.0 | 325.3 | 5108 | -3.4 | 43 | 2.3 | 327.8 | 5079 | -2.8 | 32 | 1.8 | 326.9 | 5106 | -.8 | 19 | 1.2 | 327.5 | 5137 | 550 |
| 575 | 2.2 | 13 | 1.0 | 326.2 | 4753 | -1.3 | 32 | 1.9 | 325.0 | 4726 | -.7 | 29 | 1.8 | 325.4 | 4753 | 1.3 | 20 | 1.4 | 326.5 | 4780 | 575 |
| 600 | 3.5 | 19 | 1.5 | 325.5 | 4408 | .5 | 35 | 2.3 | 324.3 | 4386 | 1.5 | 19 | 1.3 | 322.5 | 4411 | 3.4 | 20 | 1.6 | 325.7 | 4437 | 600 |
| 625 | 4.1 | 27 | 2.2 | 324.4 | 4076 | 2.2 | 43 | 3.1 | 325.0 | 4057 | 2.8 | 33 | 2.5 | 323.8 | 4082 | 5.4 | 20 | 1.8 | 324.9 | 4104 | 625 |
| 650 | 5.3 | 25 | 2.2 | 322.1 | 3757 | 4.6 | 35 | 2.9 | 323.4 | 3739 | 4.7 | 28 | 2.3 | 322.0 | 3763 | 7.3 | 21 | 2.1 | 324.2 | 3783 | 650 |
| 675 | 7.1 | 21 | 2.0 | 320.3 | 3448 | 6.7 | 32 | 2.9 | 322.5 | 3430 | 6.9 | 23 | 2.1 | 320.3 | 3455 | 9.2 | 21 | 2.3 | 323.5 | 3471 | 675 |
| 700 | 10.7 | 29 | 3.4 | 325.2 | 3146 | 8.3 | 44 | 4.3 | 325.3 | 3131 | 9.9 | 29 | 3.2 | 323.7 | 3154 | 11.0 | 22 | 2.5 | 323.0 | 3169 | 700 |
| 725 | 11.9 | 39 | 4.7 | 327.2 | 2853 | 9.9 | 56 | 5.9 | 328.5 | 2840 | 11.7 | 36 | 4.2 | 325.7 | 2862 | 12.6 | 23 | 2.9 | 322.8 | 2876 | 725 |
| 750 | 13.1 | 48 | 6.0 | 329.3 | 2569 | 11.9 | 50 | 5.8 | 327.3 | 2557 | 13.5 | 42 | 5.4 | 328.1 | 2577 | 14.1 | 29 | 3.9 | 324.2 | 2591 | 750 |
| 775 | 15.3 | 25 | 3.5 | 321.3 | 2292 | 13.8 | 42 | 5.4 | 325.4 | 2281 | 15.2 | 48 | 6.7 | 330.8 | 2300 | 15.5 | 35 | 4.9 | 325.8 | 2314 | 775 |
| 800 | 17.5 | 20 | 3.1 | 319.6 | 2023 | 14.2 | 58 | 7.4 | 328.5 | 2013 | 16.9 | 54 | 8.1 | 333.8 | 2030 | 16.8 | 40 | 6.0 | 327.6 | 2044 | 800 |
| 825 | 19.1 | 26 | 4.4 | 322.6 | 1759 | 14.6 | 74 | 9.3 | 331.5 | 1753 | 16.4 | 68 | 9.7 | 334.7 | 1767 | 17.0 | 49 | 7.2 | 328.4 | 1781 | 825 |
| 850 | 15.6 | 94 | 12.4 | 338.3 | 1504 | 14.9 | 89 | 11.2 | 334.2 | 1499 | 15.8 | 78 | 10.4 | 333.0 | 1513 | 17.3 | 57 | 8.3 | 329.0 | 1527 | 850 |
| 875 | 17.4 | 95 | 13.7 | 341.1 | 1257 | 16.7 | 84 | 11.6 | 334.4 | 1252 | 17.5 | 77 | 11.2 | 334.3 | 1265 | 18.9 | 60 | 9.4 | 331.2 | 1278 | 875 |
| 900 | 19.2 | 84 | 13.3 | 339.4 | 1014 | 18.4 | 79 | 11.8 | 334.5 | 1011 | 19.2 | 76 | 11.9 | 335.7 | 1023 | 20.5 | 63 | 10.6 | 333.6 | 1035 | 900 |
| 925 | 20.9 | 83 | 14.0 | 340.9 | 777 | 20.1 | 75 | 12.1 | 334.5 | 775 | 20.9 | 75 | 12.6 | 337.0 | 786 | 22.0 | 65 | 11.8 | 336.1 | 797 | 925 |
| 950 | 22.5 | 87 | 15.8 | 344.9 | 545 | 21.8 | 72 | 12.6 | 335.4 | 543 | 21.9 | 80 | 14.0 | 339.4 | 554 | 23.5 | 68 | 13.1 | 338.9 | 564 | 950 |
| 975 | 24.7 | 82 | 16.7 | 347.5 | 317 | 23.6 | 81 | 15.3 | 342.5 | 316 | 23.4 | 81 | 15.3 | 342.2 | 327 | 25.4 | 62 | 13.2 | 338.8 | 336 | 975 |
| 1000 | 26.7 | 83 | 18.7 | 353.0 | 93 | 25.4 | 89 | 18.4 | 350.3 | 93 | 26.1 | 82 | 17.8 | 349.6 | 104 | 27.9 | 68 | 16.3 | 348.0 | 112 | 1000 |
| SFC. | 27.2 | 92 | 21.1 | 359.2 | 0 | 26.1 | 92 | 19.8 | 353.9 | 0 | 27.2 | 93 | 21.3 | 359.6 | 0 | 29.7 | 84 | 22.3 | 365.7 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1010.6 | | | | | SURFACE PRESSURE 1011.8 | | | | | SURFACE PRESSURE 1012.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/15 23 4 GMT T | RH | W | EPT | H | 4/16 210 GMT T | RH | W | EPT | H | 4/16 525 GMT T | RH | W | EPT | H | 4/16 1155 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.6 | 0 | 0.0 | 468.5 | 19561 | -65.1 | 0 | 0.0 | 465.2 | 19521 | -65.9 | 0 | 0.0 | 463.5 | 19437 | -65.2 | 0 | 0.0 | 464.9 | 19499 | 60 |
| 70 | -70.3 | 0 | 0.0 | 434.0 | 18622 | -67.0 | 26 | .0 | 441.2 | 18580 | -66.1 | 51 | .0 | 443.3 | 18501 | -66.6 | 0 | 0.0 | 442.0 | 18563 | 70 |
| 80 | -79.0 | 0 | 0.0 | 399.8 | 17853 | -78.8 | 26 | .0 | 400.3 | 17798 | -78.8 | 51 | .0 | 400.4 | 17707 | -73.7 | 40 | .0 | 410.8 | 17763 | 80 |
| 90 | -78.8 | 18 | .0 | 386.9 | 17183 | -80.0 | 26 | .0 | 384.7 | 17130 | -80.7 | 51 | .0 | 383.3 | 17043 | -81.5 | 40 | .0 | 381.6 | 17090 | 90 |
| 100 | -77.3 | 18 | .0 | 378.4 | 16581 | -77.5 | 26 | .0 | 378.0 | 16531 | -78.8 | 51 | .0 | 375.5 | 16447 | -78.7 | 40 | .0 | 375.7 | 16495 | 100 |
| 110 | -79.3 | 18 | .0 | 364.4 | 16038 | -80.3 | 27 | .0 | 362.6 | 15990 | -81.4 | 51 | .0 | 360.4 | 15907 | -77.5 | 40 | .0 | 367.9 | 15949 | 110 |
| 120 | -76.9 | 18 | .0 | 359.9 | 15541 | -77.1 | 27 | .0 | 359.6 | 15495 | -79.0 | 51 | .0 | 356.0 | 15415 | -79.2 | 40 | .0 | 355.6 | 15457 | 120 |
| 130 | -74.2 | 18 | .0 | 356.5 | 15078 | -74.1 | 26 | .0 | 356.8 | 15032 | -76.2 | 51 | .0 | 353.0 | 14957 | -76.5 | 40 | .0 | 352.5 | 15000 | 130 |
| 140 | -70.9 | 18 | .0 | 355.0 | 14643 | -71.3 | 26 | .0 | 354.1 | 14597 | -72.7 | 51 | .0 | 351.8 | 14526 | -72.9 | 40 | .0 | 351.4 | 14569 | 140 |
| 150 | -67.7 | 18 | .0 | 353.5 | 14231 | -68.3 | 26 | .0 | 352.6 | 14186 | -69.5 | 52 | .0 | 350.5 | 14118 | -69.6 | 40 | .0 | 350.3 | 14161 | 150 |
| 160 | -64.6 | 18 | .0 | 352.3 | 13840 | -65.0 | 27 | .0 | 351.6 | 13796 | -66.4 | 52 | .0 | 349.3 | 13730 | -66.5 | 39 | .0 | 349.2 | 13773 | 160 |
| 170 | -61.6 | 18 | .0 | 351.3 | 13467 | -62.0 | 28 | .0 | 350.6 | 13423 | -63.5 | 52 | .0 | 348.0 | 13360 | -63.5 | 39 | .0 | 348.1 | 13404 | 170 |
| 180 | -58.7 | 18 | .0 | 350.2 | 13110 | -59.1 | 29 | .0 | 349.6 | 13067 | -60.8 | 53 | .0 | 346.9 | 13007 | -60.8 | 39 | .0 | 347.0 | 13051 | 180 |
| 190 | -56.0 | 18 | .0 | 349.2 | 12768 | -56.4 | 29 | .0 | 348.6 | 12726 | -58.3 | 53 | .0 | 345.7 | 12669 | -58.2 | 39 | .0 | 345.9 | 12712 | 190 |
| 200 | -53.5 | 18 | .0 | 348.2 | 12440 | -53.9 | 30 | .0 | 347.7 | 12399 | -55.9 | 53 | .1 | 344.5 | 12344 | -55.4 | 39 | .0 | 345.3 | 12387 | 200 |
| 225 | -47.1 | 18 | .0 | 346.5 | 11672 | -47.9 | 31 | .1 | 345.5 | 11632 | -49.7 | 59 | .1 | 342.8 | 11584 | -48.4 | 39 | .1 | 344.8 | 11624 | 225 |
| 250 | -41.0 | 17 | .1 | 345.4 | 10965 | -41.5 | 26 | .1 | 344.9 | 10927 | -44.0 | 64 | .2 | 341.4 | 10886 | -42.6 | 45 | .2 | 343.5 | 10921 | 250 |
| 275 | -35.5 | 16 | .1 | 344.3 | 10310 | -35.7 | 22 | .1 | 344.2 | 10272 | -38.1 | 43 | .2 | 341.0 | 10238 | -37.3 | 51 | .3 | 342.4 | 10270 | 275 |
| 300 | -30.4 | 15 | .2 | 343.2 | 9697 | -30.6 | 19 | .2 | 343.0 | 9661 | -32.6 | 24 | .2 | 340.2 | 9632 | -32.4 | 57 | .5 | 341.6 | 9663 | 300 |
| 325 | -25.7 | 15 | .2 | 342.1 | 9123 | -26.1 | 18 | .2 | 341.7 | 9087 | -28.3 | 15 | .2 | 338.3 | 9063 | -27.7 | 35 | .4 | 340.2 | 9093 | 325 |
| 350 | -21.4 | 14 | .3 | 341.0 | 8581 | -21.9 | 16 | .3 | 340.4 | 8546 | -24.7 | 12 | .2 | 336.2 | 8528 | -24.5 | 19 | .3 | 336.9 | 8556 | 350 |
| 375 | -19.5 | 14 | .3 | 337.0 | 8071 | -20.5 | 17 | .3 | 335.8 | 8037 | -21.3 | 12 | .2 | 334.3 | 8022 | -21.2 | 21 | .4 | 335.0 | 8051 | 375 |
| 400 | -16.3 | 14 | .4 | 335.3 | 7588 | -16.5 | 15 | .4 | 335.1 | 7556 | -18.1 | 12 | .3 | 332.6 | 7543 | -16.6 | 12 | .3 | 334.7 | 7570 | 400 |
| 425 | -14.4 | 14 | .4 | 332.1 | 7130 | -13.8 | 17 | .5 | 333.3 | 7098 | -15.1 | 16 | .5 | 331.3 | 7088 | -12.8 | 10 | .3 | 333.9 | 7112 | 425 |
| 450 | -11.0 | 18 | .6 | 331.9 | 6694 | -11.2 | 19 | .7 | 331.8 | 6661 | -12.3 | 20 | .7 | 330.3 | 6653 | -11.3 | 19 | .7 | 331.7 | 6674 | 450 |
| 475 | -8.1 | 26 | 1.1 | 332.0 | 6277 | -8.9 | 36 | 1.5 | 332.3 | 6244 | -10.2 | 38 | 1.4 | 330.3 | 6238 | -9.2 | 22 | .9 | 329.7 | 6258 | 475 |
| 500 | -5.4 | 13 | .7 | 328.9 | 5876 | -5.7 | 35 | 1.7 | 332.0 | 5844 | -7.1 | 22 | 1.0 | 327.8 | 5841 | -6.7 | 17 | .8 | 327.7 | 5860 | 500 |
| 525 | -3.2 | 14 | .8 | 327.5 | 5492 | -3.5 | 29 | 1.7 | 330.0 | 5460 | -5.4 | 21 | 1.0 | 325.5 | 5459 | -4.6 | 36 | 1.9 | 329.3 | 5477 | 525 |
| 550 | -1.1 | 15 | 1.0 | 326.2 | 5122 | -1.5 | 32 | 2.0 | 329.0 | 5091 | -3.1 | 24 | 1.3 | 325.1 | 5092 | -3.1 | 44 | 2.4 | 328.5 | 5110 | 550 |
| 575 | .9 | 16 | 1.1 | 325.0 | 4767 | .4 | 33 | 2.2 | 327.9 | 4736 | -.7 | 37 | 2.3 | 327.0 | 4739 | -.6 | 38 | 2.4 | 327.3 | 4756 | 575 |
| 600 | 2.8 | 17 | 1.3 | 323.9 | 4424 | 2.4 | 22 | 1.7 | 324.7 | 4393 | 1.6 | 18 | 1.3 | 322.4 | 4397 | 1.7 | 38 | 2.7 | 327.1 | 4415 | 600 |
| 625 | 4.6 | 18 | 1.5 | 322.8 | 4092 | 4.3 | 25 | 2.1 | 324.4 | 4062 | 2.5 | 29 | 2.1 | 322.4 | 4068 | 3.8 | 41 | 3.3 | 327.5 | 4084 | 625 |
| 650 | 6.5 | 20 | 1.8 | 322.5 | 3772 | 6.1 | 28 | 2.5 | 324.3 | 3742 | 4.8 | 24 | 2.0 | 321.1 | 3750 | 6.3 | 32 | 2.9 | 325.6 | 3764 | 650 |
| 675 | 8.5 | 24 | 2.4 | 323.2 | 3461 | 7.8 | 31 | 3.0 | 324.3 | 3432 | 6.6 | 31 | 2.8 | 322.2 | 3441 | 8.7 | 22 | 2.3 | 322.9 | 3454 | 675 |
| 700 | 10.5 | 27 | 3.1 | 324.2 | 3160 | 9.5 | 33 | 3.5 | 324.3 | 3131 | 8.0 | 42 | 4.1 | 324.2 | 3142 | 8.8 | 64 | 6.5 | 332.3 | 3152 | 700 |
| 725 | 12.4 | 31 | 3.8 | 325.4 | 2867 | 11.0 | 40 | 4.5 | 325.7 | 2839 | 10.0 | 39 | 4.1 | 323.4 | 2851 | 10.7 | 53 | 5.9 | 329.4 | 2861 | 725 |
| 750 | 14.1 | 35 | 4.7 | 326.5 | 2582 | 12.4 | 48 | 5.8 | 328.0 | 2556 | 11.8 | 41 | 4.8 | 324.4 | 2568 | 12.8 | 48 | 6.0 | 329.1 | 2577 | 750 |
| 775 | 15.1 | 39 | 5.4 | 326.8 | 2304 | 14.2 | 45 | 5.9 | 327.2 | 2280 | 13.6 | 44 | 5.5 | 325.5 | 2293 | 14.8 | 51 | 6.9 | 331.0 | 2300 | 775 |
| 800 | 16.0 | 46 | 6.6 | 328.4 | 2035 | 15.6 | 51 | 7.0 | 329.2 | 2011 | 14.7 | 45 | 6.0 | 325.0 | 2025 | 16.8 | 42 | 6.3 | 328.6 | 2030 | 800 |
| 825 | 16.8 | 55 | 8.0 | 330.4 | 1773 | 16.9 | 58 | 8.6 | 332.1 | 1749 | 15.9 | 56 | 7.8 | 328.6 | 1764 | 17.7 | 59 | 9.1 | 334.7 | 1767 | 825 |
| 850 | 17.7 | 63 | 9.4 | 332.5 | 1518 | 17.7 | 59 | 8.8 | 330.8 | 1493 | 17.3 | 57 | 8.3 | 329.0 | 1509 | 17.7 | 70 | 10.5 | 335.6 | 1512 | 850 |
| 875 | 19.3 | 63 | 10.2 | 333.9 | 1269 | 18.5 | 67 | 10.4 | 333.4 | 1245 | 17.8 | 71 | 10.4 | 332.7 | 1261 | 18.4 | 83 | 12.7 | 339.5 | 1263 | 875 |
| 900 | 21.0 | 63 | 11.0 | 335.2 | 1025 | 19.6 | 73 | 11.7 | 335.7 | 1002 | 19.4 | 81 | 12.9 | 338.5 | 1019 | 19.6 | 89 | 14.3 | 342.7 | 1020 | 900 |
| 925 | 22.6 | 62 | 11.7 | 336.6 | 787 | 21.3 | 73 | 12.7 | 337.6 | 765 | 21.3 | 89 | 15.5 | 345.4 | 781 | 21.0 | 91 | 15.5 | 345.0 | 782 | 925 |
| 950 | 24.2 | 62 | 12.5 | 338.0 | 554 | 22.9 | 73 | 13.6 | 339.5 | 532 | 23.1 | 93 | 17.7 | 351.0 | 548 | 22.3 | 93 | 16.8 | 347.4 | 550 | 950 |
| 975 | 25.8 | 61 | 13.2 | 339.5 | 325 | 24.8 | 69 | 14.2 | 340.8 | 305 | 24.6 | 83 | 16.9 | 348.0 | 320 | 24.6 | 86 | 17.4 | 349.3 | 322 | 975 |
| 1000 | 28.5 | 59 | 14.7 | 344.3 | 101 | 27.4 | 74 | 17.2 | 349.8 | 81 | 26.3 | 78 | 17.0 | 347.7 | 96 | 26.3 | 85 | 18.5 | 351.9 | 98 | 1000 |
| SFC. | 30.3 | 83 | 22.8 | 368.3 | 0 | 28.5 | 85 | 21.1 | 361.0 | 0 | 27.2 | 86 | 19.7 | 355.2 | 0 | 26.2 | 92 | 19.9 | 354.3 | 0 | SFC. |
| | SURFACE PRESSURE 1011.3 | | | | | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1010.9 | | | | | SURFACE PRESSURE 1011.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/16 19 0 GMT T | RH | W | EPT | H | 4/16 2327 GMT T | RH | W | EPT | H | 4/17 6 2 GMT T | RH | W | EPT | H | 4/17 1239 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.3 | 0 | 0.0 | 464.8 | 19560 | -63.3 | 0 | 0.0 | 469.3 | 19556 | -65.9 | 0 | 0.0 | 463.5 | 19504 | -67.7 | 0 | 0.0 | 459.3 | 19472 | 60 |
| 70 | -68.9 | 0 | 0.0 | 437.0 | 18630 | -67.1 | 0 | 0.0 | 440.8 | 18613 | -69.9 | 0 | 0.0 | 434.9 | 18577 | -70.3 | 0 | 0.0 | 434.1 | 18547 | 70 |
| 80 | -73.9 | 20 | .0 | 410.4 | 17838 | -73.2 | 23 | .0 | 411.7 | 17819 | -73.4 | 31 | .0 | 411.4 | 17789 | -75.8 | 37 | .0 | 406.4 | 17767 | 80 |
| 90 | -80.1 | 21 | .0 | 384.3 | 17163 | -79.3 | 23 | .0 | 386.1 | 17140 | -77.5 | 32 | .0 | 389.5 | 17106 | -78.8 | 37 | .0 | 387.1 | 17091 | 90 |
| 100 | -78.6 | 21 | .0 | 375.9 | 16565 | -78.9 | 23 | .0 | 375.3 | 16543 | -80.5 | 32 | .0 | 372.2 | 16512 | -81.4 | 37 | .0 | 370.5 | 16496 | 100 |
| 110 | -75.1 | 20 | .0 | 372.4 | 16017 | -74.7 | 25 | .0 | 373.1 | 15995 | -80.1 | 32 | .0 | 363.0 | 15973 | -79.4 | 37 | .0 | 364.2 | 15958 | 110 |
| 120 | -76.1 | 20 | .0 | 361.4 | 15513 | -76.5 | 25 | .0 | 360.6 | 15494 | -77.1 | 32 | .0 | 359.5 | 15478 | -77.1 | 37 | .0 | 359.5 | 15462 | 120 |
| 130 | -73.2 | 20 | .0 | 358.5 | 15047 | -74.2 | 27 | .0 | 356.7 | 15030 | -73.8 | 31 | .0 | 357.3 | 15015 | -73.0 | 37 | .0 | 358.9 | 14997 | 130 |
| 140 | -70.5 | 20 | .0 | 355.7 | 14610 | -72.0 | 29 | .0 | 353.0 | 14596 | -70.7 | 31 | .0 | 355.2 | 14579 | -69.1 | 37 | .0 | 358.1 | 14559 | 140 |
| 150 | -67.9 | 20 | .0 | 353.1 | 14198 | -68.8 | 28 | .0 | 351.7 | 14186 | -68.4 | 31 | .0 | 352.3 | 14167 | -67.9 | 37 | .0 | 353.2 | 14145 | 150 |
| 160 | -65.4 | 20 | .0 | 351.0 | 13808 | -65.6 | 27 | .0 | 350.6 | 13797 | -67.0 | 32 | .0 | 348.2 | 13779 | -66.8 | 38 | .0 | 348.6 | 13756 | 160 |
| 170 | -62.6 | 20 | .0 | 349.6 | 13437 | -62.6 | 26 | .0 | 349.6 | 13426 | -63.9 | 32 | .0 | 347.4 | 13411 | -64.4 | 38 | .0 | 346.6 | 13388 | 170 |
| 180 | -60.0 | 20 | .0 | 348.1 | 13082 | -59.8 | 25 | .0 | 348.5 | 13071 | -60.9 | 32 | .0 | 346.6 | 13058 | -61.5 | 38 | .0 | 345.7 | 13036 | 180 |
| 190 | -57.6 | 20 | .0 | 346.7 | 12743 | -57.1 | 24 | .0 | 347.5 | 12731 | -58.1 | 31 | .0 | 345.9 | 12720 | -58.8 | 38 | .0 | 344.8 | 12699 | 190 |
| 200 | -55.3 | 20 | .0 | 345.4 | 12417 | -54.6 | 23 | .0 | 346.4 | 12405 | -55.5 | 31 | .0 | 345.1 | 12395 | -56.2 | 38 | .0 | 344.0 | 12375 | 200 |
| 225 | -48.4 | 19 | .0 | 344.5 | 11654 | -48.8 | 21 | .0 | 343.9 | 11641 | -49.3 | 31 | .1 | 343.2 | 11633 | -49.8 | 37 | .1 | 342.5 | 11616 | 225 |
| 250 | -42.1 | 19 | .1 | 343.8 | 10951 | -42.6 | 20 | .1 | 343.1 | 10939 | -43.6 | 29 | .1 | 341.7 | 10934 | -43.7 | 36 | .1 | 341.5 | 10917 | 250 |
| 275 | -36.5 | 18 | .1 | 342.9 | 10298 | -36.9 | 18 | .1 | 342.3 | 10288 | -37.6 | 26 | .1 | 341.4 | 10285 | -38.2 | 35 | .2 | 340.6 | 10269 | 275 |
| 300 | -31.3 | 18 | .2 | 342.0 | 9688 | -31.7 | 17 | .2 | 341.4 | 9679 | -31.9 | 23 | .2 | 341.3 | 9677 | -33.4 | 38 | .3 | 339.5 | 9664 | 300 |
| 325 | -27.7 | 17 | .2 | 339.3 | 9118 | -27.2 | 19 | .2 | 340.2 | 9107 | -28.0 | 39 | .5 | 339.9 | 9106 | -29.1 | 50 | .5 | 338.6 | 9097 | 325 |
| 350 | -23.1 | 15 | .3 | 338.7 | 8580 | -23.7 | 28 | .4 | 338.6 | 8570 | -24.1 | 44 | .7 | 338.9 | 8570 | -24.7 | 44 | .7 | 338.0 | 8563 | 350 |
| 375 | -20.7 | 17 | .3 | 335.5 | 8073 | -20.0 | 24 | .5 | 337.0 | 8062 | -20.5 | 49 | 1.0 | 338.1 | 8063 | -20.6 | 40 | .8 | 337.3 | 8056 | 375 |
| 400 | -17.2 | 16 | .4 | 334.2 | 7593 | -16.4 | 16 | .4 | 335.3 | 7580 | -16.6 | 17 | .4 | 335.1 | 7581 | -16.7 | 35 | .9 | 336.6 | 7575 | 400 |
| 425 | -12.2 | 12 | .4 | 334.9 | 7134 | -12.3 | 16 | .6 | 335.3 | 7120 | -12.6 | 19 | .6 | 335.2 | 7122 | -12.9 | 15 | .5 | 334.3 | 7116 | 425 |
| 450 | -10.6 | 18 | .7 | 332.5 | 6696 | -10.4 | 18 | .7 | 332.6 | 6682 | -9.8 | 28 | 1.1 | 335.0 | 6683 | -10.5 | 17 | .6 | 332.4 | 6679 | 450 |
| 475 | -7.9 | 17 | .7 | 330.9 | 6278 | -8.4 | 19 | .8 | 330.4 | 6264 | -8.7 | 19 | .8 | 330.1 | 6265 | -8.1 | 38 | 1.7 | 333.8 | 6261 | 475 |
| 500 | -5.7 | 19 | 1.0 | 329.5 | 5877 | -5.1 | 16 | .8 | 330.0 | 5864 | -6.1 | 17 | .8 | 328.6 | 5866 | -5.3 | 19 | 1.0 | 330.1 | 5860 | 500 |
| 525 | -4.0 | 26 | 1.4 | 328.6 | 5494 | -2.8 | 16 | 1.0 | 328.5 | 5479 | -4.0 | 17 | .9 | 327.0 | 5483 | -3.8 | 25 | 1.3 | 328.5 | 5476 | 525 |
| 550 | -1.2 | 18 | 1.2 | 326.7 | 5125 | -.7 | 17 | 1.1 | 327.2 | 5109 | -2.3 | 20 | 1.2 | 325.4 | 5115 | -2.5 | 30 | 1.7 | 327.1 | 5108 | 550 |
| 575 | .5 | 26 | 1.8 | 326.7 | 4769 | 1.4 | 17 | 1.2 | 326.0 | 4753 | -.8 | 23 | 1.4 | 324.0 | 4761 | -.3 | 39 | 2.5 | 328.1 | 4753 | 575 |
| 600 | 2.5 | 27 | 2.1 | 326.1 | 4427 | 3.3 | 17 | 1.4 | 324.8 | 4409 | 1.2 | 24 | 1.7 | 323.2 | 4420 | 1.6 | 35 | 2.5 | 326.2 | 4412 | 600 |
| 625 | 4.6 | 26 | 2.2 | 325.1 | 4095 | 5.2 | 18 | 1.6 | 323.8 | 4077 | 3.7 | 24 | 1.9 | 323.2 | 4090 | 3.6 | 50 | 4.0 | 329.4 | 4081 | 625 |
| 650 | 6.6 | 25 | 2.3 | 324.2 | 3775 | 7.0 | 18 | 1.7 | 322.7 | 3756 | 6.0 | 25 | 2.2 | 323.2 | 3770 | 6.4 | 30 | 2.7 | 325.3 | 3761 | 650 |
| 675 | 8.5 | 24 | 2.5 | 323.3 | 3464 | 8.6 | 21 | 2.2 | 322.6 | 3445 | 8.3 | 25 | 2.5 | 323.3 | 3460 | 8.5 | 26 | 2.7 | 323.9 | 3450 | 675 |
| 700 | 8.1 | 56 | 5.4 | 328.3 | 3164 | 9.2 | 42 | 4.4 | 326.5 | 3144 | 9.4 | 41 | 4.3 | 326.7 | 3159 | 8.5 | 30 | 2.9 | 321.3 | 3150 | 700 |
| 725 | 9.6 | 41 | 4.2 | 323.3 | 2873 | 9.9 | 52 | 5.5 | 327.5 | 2852 | 10.5 | 56 | 6.2 | 330.1 | 2867 | 9.1 | 66 | 6.6 | 329.5 | 2859 | 725 |
| 750 | 11.7 | 47 | 5.4 | 326.0 | 2591 | 12.0 | 43 | 5.0 | 325.3 | 2569 | 11.6 | 71 | 8.2 | 333.8 | 2584 | 11.2 | 64 | 7.1 | 330.2 | 2577 | 750 |
| 775 | 14.6 | 31 | 4.1 | 322.5 | 2315 | 13.7 | 42 | 5.3 | 324.9 | 2294 | 14.0 | 52 | 6.8 | 329.5 | 2308 | 13.1 | 59 | 7.2 | 329.8 | 2302 | 775 |
| 800 | 15.6 | 45 | 6.3 | 327.1 | 2046 | 15.4 | 40 | 5.5 | 324.6 | 2026 | 15.5 | 58 | 8.1 | 332.1 | 2039 | 15.0 | 53 | 7.1 | 328.7 | 2034 | 800 |
| 825 | 16.0 | 38 | 5.3 | 321.7 | 1785 | 17.0 | 40 | 5.8 | 324.4 | 1764 | 17.0 | 52 | 7.8 | 330.0 | 1777 | 15.8 | 65 | 8.9 | 331.8 | 1772 | 825 |
| 850 | 16.8 | 63 | 9.0 | 330.3 | 1530 | 17.5 | 53 | 7.8 | 327.9 | 1509 | 17.4 | 72 | 10.7 | 335.8 | 1521 | 16.5 | 83 | 11.5 | 336.8 | 1518 | 850 |
| 875 | 17.7 | 69 | 10.1 | 331.5 | 1282 | 18.0 | 65 | 9.8 | 331.1 | 1261 | 18.7 | 79 | 12.3 | 339.0 | 1273 | 18.4 | 81 | 12.5 | 339.1 | 1269 | 875 |
| 900 | 19.4 | 68 | 10.8 | 332.9 | 1040 | 19.8 | 65 | 10.6 | 332.7 | 1018 | 20.3 | 81 | 13.6 | 341.5 | 1029 | 20.3 | 81 | 13.5 | 341.4 | 1026 | 900 |
| 925 | 21.1 | 67 | 11.6 | 334.3 | 803 | 21.6 | 64 | 11.2 | 334.1 | 781 | 21.8 | 83 | 14.9 | 344.3 | 791 | 22.1 | 80 | 14.6 | 343.9 | 788 | 925 |
| 950 | 22.3 | 73 | 13.3 | 337.8 | 571 | 23.4 | 62 | 11.9 | 335.4 | 548 | 23.2 | 85 | 16.3 | 347.2 | 558 | 23.9 | 79 | 15.6 | 346.4 | 555 | 950 |
| 975 | 24.6 | 72 | 14.6 | 341.7 | 344 | 25.2 | 60 | 12.5 | 336.7 | 320 | 24.7 | 87 | 17.7 | 350.3 | 330 | 25.6 | 78 | 16.7 | 348.9 | 326 | 975 |
| 1000 | 27.7 | 72 | 17.1 | 349.9 | 120 | 28.6 | 66 | 16.6 | 349.8 | 96 | 26.0 | 89 | 19.2 | 353.6 | 106 | 26.6 | 80 | 17.9 | 350.6 | 101 | 1000 |
| SFC. | 29.5 | 77 | 20.1 | 359.3 | 0 | 31.4 | 75 | 22.0 | 367.4 | 0 | 26.7 | 90 | 20.0 | 355.3 | 0 | 25.6 | 88 | 18.3 | 349.2 | 0 | SFC. |
| | SURFACE PRESSURE 1013.5 | | | | | SURFACE PRESSURE 1010.8 | | | | | SURFACE PRESSURE 1012.0 | | | | | SURFACE PRESSURE 1011.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/17 1715 GMT T | RH | W | EPT | H | 4/17 1945 GMT T | RH | W | EPT | H | 4/17 23 0 GMT T | RH | W | EPT | H | 4/18 145 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.4 | 0 | 0.0 | 464.5 | 19492 | -66.9 | 0 | 0.0 | 461.2 | 19548 | -65.9 | 0 | 0.0 | 463.4 | 19537 | -65.9 | 0 | 0.0 | 463.4 | 19558 | 60 |
| 70 | -67.8 | 0 | 0.0 | 439.3 | 18559 | -66.1 | 0 | 0.0 | 443.0 | 18615 | -66.8 | 0 | 0.0 | 441.4 | 18609 | -66.6 | 0 | 0.0 | 441.9 | 18628 | 70 |
| 80 | -73.5 | 0 | 0.0 | 411.1 | 17765 | -73.8 | 19 | .0 | 410.6 | 17823 | -73.2 | 17 | .0 | 411.9 | 17812 | -73.1 | 0 | 0.0 | 411.9 | 17826 | 80 |
| 90 | -78.3 | 0 | 0.0 | 387.9 | 17085 | -77.3 | 20 | .0 | 390.0 | 17141 | -75.8 | 18 | .0 | 392.9 | 17127 | -77.3 | 21 | .0 | 390.0 | 17146 | 90 |
| 100 | -80.5 | 25 | .0 | 372.2 | 16487 | -77.8 | 20 | .0 | 377.4 | 16540 | -78.2 | 18 | .0 | 376.7 | 16521 | -78.8 | 21 | .0 | 375.5 | 16548 | 100 |
| 110 | -78.8 | 24 | .0 | 365.4 | 15947 | -77.0 | 20 | .0 | 368.7 | 15994 | -77.3 | 18 | .0 | 368.3 | 15976 | -76.9 | 21 | .0 | 369.0 | 16003 | 110 |
| 120 | -77.3 | 24 | .0 | 359.2 | 15450 | -76.3 | 20 | .0 | 361.0 | 15493 | -76.4 | 18 | .0 | 360.8 | 15476 | -75.2 | 21 | .0 | 363.1 | 15501 | 120 |
| 130 | -73.2 | 24 | .0 | 358.4 | 14986 | -72.3 | 20 | .0 | 360.0 | 15027 | -72.5 | 17 | .0 | 359.7 | 15010 | -72.6 | 21 | .0 | 359.6 | 15034 | 130 |
| 140 | -69.4 | 24 | .0 | 357.6 | 14548 | -68.6 | 20 | .0 | 359.0 | 14587 | -69.1 | 18 | .0 | 358.1 | 14571 | -69.5 | 20 | .0 | 357.4 | 14595 | 140 |
| 150 | -68.4 | 25 | .0 | 352.3 | 14136 | -66.8 | 20 | .0 | 355.0 | 14172 | -67.1 | 18 | .0 | 354.5 | 14156 | -67.1 | 20 | .0 | 354.5 | 14181 | 150 |
| 160 | -67.1 | 25 | .0 | 348.1 | 13748 | -65.8 | 20 | .0 | 350.2 | 13781 | -67.9 | 18 | .0 | 346.8 | 13767 | -66.5 | 21 | .0 | 349.1 | 13791 | 160 |
| 170 | -64.2 | 25 | .0 | 346.9 | 13379 | -63.1 | 20 | .0 | 348.8 | 13410 | -65.1 | 17 | .0 | 345.4 | 13401 | -63.6 | 21 | .0 | 347.8 | 13422 | 170 |
| 180 | -61.5 | 25 | .0 | 345.8 | 13027 | -60.5 | 20 | .0 | 347.3 | 13057 | -61.6 | 17 | .0 | 345.5 | 13049 | -60.9 | 21 | .0 | 346.6 | 13069 | 180 |
| 190 | -58.9 | 25 | .0 | 344.7 | 12690 | -57.8 | 20 | .0 | 346.4 | 12718 | -58.3 | 16 | .0 | 345.5 | 12712 | -58.2 | 21 | .0 | 345.8 | 12731 | 190 |
| 200 | -56.4 | 25 | .0 | 343.6 | 12366 | -55.2 | 20 | .0 | 345.5 | 12392 | -55.2 | 15 | .0 | 345.4 | 12387 | -55.1 | 21 | .0 | 345.6 | 12406 | 200 |
| 225 | -50.8 | 25 | .0 | 340.9 | 11609 | -49.2 | 20 | .0 | 343.3 | 11630 | -49.0 | 16 | .0 | 343.6 | 11624 | -48.2 | 20 | .0 | 344.8 | 11642 | 225 |
| 250 | -44.4 | 23 | .1 | 340.4 | 10913 | -43.7 | 20 | .1 | 341.4 | 10931 | -43.7 | 18 | .1 | 341.4 | 10924 | -42.2 | 19 | .1 | 343.7 | 10938 | 250 |
| 275 | -38.3 | 21 | .1 | 340.2 | 10266 | -37.8 | 18 | .1 | 340.9 | 10282 | -37.7 | 17 | .1 | 341.0 | 10275 | -37.3 | 19 | .1 | 341.7 | 10288 | 275 |
| 300 | -32.8 | 20 | .2 | 339.8 | 9661 | -32.5 | 17 | .1 | 340.1 | 9676 | -32.1 | 16 | .1 | 340.7 | 9668 | -31.9 | 19 | .2 | 341.2 | 9680 | 300 |
| 325 | -29.1 | 23 | .2 | 337.6 | 9092 | -28.0 | 16 | .2 | 338.9 | 9106 | -27.7 | 17 | .2 | 339.4 | 9098 | -26.8 | 18 | .2 | 340.7 | 9108 | 325 |
| 350 | -24.5 | 24 | .4 | 337.1 | 8558 | -23.8 | 15 | .2 | 337.7 | 8569 | -23.6 | 17 | .3 | 338.1 | 8561 | -22.9 | 19 | .3 | 339.2 | 8569 | 350 |
| 375 | -20.6 | 21 | .4 | 336.0 | 8051 | -19.8 | 14 | .3 | 336.5 | 8062 | -19.9 | 16 | .3 | 336.7 | 8053 | -19.4 | 19 | .4 | 337.6 | 8060 | 375 |
| 400 | -16.9 | 18 | .5 | 334.8 | 7570 | -16.2 | 13 | .4 | 335.4 | 7579 | -16.4 | 16 | .4 | 335.3 | 7570 | -16.1 | 20 | .5 | 336.1 | 7577 | 400 |
| 425 | -13.2 | 16 | .5 | 333.9 | 7112 | -12.7 | 12 | .4 | 334.3 | 7120 | -13.0 | 13 | .4 | 333.9 | 7112 | -13.1 | 16 | .5 | 334.3 | 7118 | 425 |
| 450 | -9.8 | 14 | .6 | 333.1 | 6674 | -10.1 | 12 | .5 | 332.3 | 6681 | -10.3 | 11 | .4 | 331.9 | 6673 | -10.8 | 17 | .6 | 332.1 | 6680 | 450 |
| 475 | -7.7 | 15 | .7 | 331.1 | 6255 | -7.7 | 12 | .5 | 330.4 | 6263 | -8.5 | 11 | .5 | 329.2 | 6256 | -8.6 | 17 | .7 | 330.0 | 6263 | 475 |
| 500 | -5.7 | 16 | .8 | 329.0 | 5855 | -5.6 | 13 | .7 | 328.7 | 5862 | -6.1 | 17 | .8 | 328.6 | 5857 | -6.5 | 30 | 1.4 | 330.0 | 5864 | 500 |
| 525 | -3.9 | 14 | .8 | 326.6 | 5471 | -4.8 | 32 | 1.6 | 328.3 | 5479 | -4.1 | 37 | 2.0 | 330.3 | 5473 | -3.8 | 38 | 2.1 | 331.1 | 5481 | 525 |
| 550 | -2.8 | 54 | 3.1 | 330.9 | 5103 | -3.3 | 50 | 2.7 | 329.3 | 5112 | -1.9 | 33 | 2.0 | 328.6 | 5105 | -1.1 | 32 | 2.0 | 329.7 | 5111 | 550 |
| 575 | -.7 | 33 | 2.1 | 326.1 | 4749 | -.7 | 26 | 1.7 | 324.9 | 4759 | .3 | 22 | 1.5 | 325.5 | 4750 | 1.5 | 25 | 1.9 | 328.2 | 4755 | 575 |
| 600 | 1.4 | 28 | 2.0 | 324.3 | 4408 | 1.0 | 30 | 2.0 | 324.1 | 4418 | 2.5 | 20 | 1.5 | 324.3 | 4407 | 4.0 | 19 | 1.6 | 326.3 | 4411 | 600 |
| 625 | 3.3 | 28 | 2.2 | 323.5 | 4078 | 2.6 | 33 | 2.4 | 323.4 | 4089 | 4.6 | 26 | 2.2 | 325.0 | 4076 | 5.5 | 20 | 1.8 | 324.9 | 4078 | 625 |
| 650 | 5.3 | 37 | 3.2 | 325.4 | 3759 | 5.3 | 24 | 2.0 | 321.7 | 3770 | 6.6 | 29 | 2.7 | 325.4 | 3755 | 7.5 | 36 | 3.6 | 329.1 | 3757 | 650 |
| 675 | 7.8 | 24 | 2.3 | 322.1 | 3449 | 7.3 | 19 | 1.8 | 319.9 | 3461 | 8.6 | 16 | 1.7 | 320.9 | 3445 | 9.2 | 23 | 2.5 | 324.4 | 3445 | 675 |
| 700 | 9.1 | 23 | 2.4 | 320.5 | 3149 | 8.2 | 24 | 2.3 | 319.1 | 3161 | 9.5 | 17 | 1.8 | 319.0 | 3144 | 10.6 | 26 | 3.0 | 324.0 | 3143 | 700 |
| 725 | 9.3 | 62 | 6.3 | 328.9 | 2858 | 9.3 | 39 | 4.0 | 322.2 | 2871 | 10.4 | 18 | 1.9 | 317.2 | 2852 | 11.8 | 29 | 3.5 | 323.6 | 2850 | 725 |
| 750 | 11.1 | 46 | 5.1 | 324.3 | 2576 | 11.2 | 42 | 4.7 | 323.2 | 2589 | 11.6 | 40 | 4.6 | 323.6 | 2570 | 13.2 | 36 | 4.5 | 325.1 | 2566 | 750 |
| 775 | 13.2 | 41 | 5.0 | 323.4 | 2301 | 13.2 | 32 | 4.0 | 320.5 | 2314 | 13.5 | 41 | 5.2 | 324.2 | 2295 | 15.0 | 42 | 5.8 | 327.8 | 2289 | 775 |
| 800 | 15.0 | 40 | 5.3 | 323.4 | 2033 | 14.9 | 34 | 4.6 | 321.3 | 2046 | 15.5 | 35 | 4.9 | 322.7 | 2026 | 17.0 | 37 | 5.6 | 326.7 | 2020 | 800 |
| 825 | 16.2 | 48 | 6.7 | 325.8 | 1772 | 16.6 | 36 | 5.2 | 322.1 | 1785 | 16.9 | 36 | 5.3 | 322.8 | 1765 | 16.9 | 49 | 7.2 | 328.1 | 1757 | 825 |
| 850 | 16.9 | 73 | 10.5 | 334.6 | 1517 | 17.2 | 56 | 8.2 | 328.4 | 1531 | 16.9 | 56 | 7.9 | 327.4 | 1510 | 18.1 | 61 | 9.3 | 332.7 | 1502 | 850 |
| 875 | 17.9 | 77 | 11.5 | 335.6 | 1269 | 18.6 | 60 | 9.3 | 330.4 | 1282 | 18.2 | 63 | 9.5 | 330.4 | 1262 | 19.2 | 72 | 11.6 | 337.6 | 1253 | 875 |
| 900 | 18.9 | 79 | 12.2 | 336.2 | 1027 | 19.9 | 64 | 10.4 | 332.4 | 1039 | 19.9 | 66 | 10.8 | 333.3 | 1020 | 20.3 | 83 | 14.0 | 342.8 | 1009 | 900 |
| 925 | 20.6 | 78 | 12.9 | 337.5 | 790 | 21.2 | 68 | 11.7 | 334.7 | 802 | 21.5 | 70 | 12.2 | 336.5 | 782 | 21.7 | 83 | 14.9 | 344.2 | 771 | 925 |
| 950 | 22.5 | 75 | 13.6 | 339.0 | 558 | 22.4 | 71 | 12.9 | 337.1 | 570 | 23.1 | 73 | 13.7 | 340.0 | 550 | 23.9 | 75 | 15.0 | 344.6 | 538 | 950 |
| 975 | 23.6 | 85 | 16.3 | 345.0 | 331 | 24.4 | 75 | 14.9 | 342.3 | 343 | 24.8 | 70 | 14.3 | 341.1 | 322 | 26.1 | 67 | 14.9 | 344.4 | 309 | 975 |
| 1000 | 26.1 | 75 | 16.2 | 345.4 | 107 | 28.3 | 78 | 19.1 | 356.2 | 118 | 28.0 | 66 | 15.9 | 347.1 | 98 | 28.2 | 60 | 14.6 | 343.6 | 84 | 1000 |
| SFC. | 26.4 | 90 | 19.6 | 353.8 | 0 | 30.3 | 79 | 21.7 | 364.7 | 0 | 31.2 | 84 | 24.4 | 374.0 | 0 | 29.0 | 57 | 14.4 | 343.1 | 0 | SFC. |
| | SURFACE PRESSURE 1012.2 | | | | | SURFACE PRESSURE 1013.3 | | | | | SURFACE PRESSURE 1011.0 | | | | | SURFACE PRESSURE 1009.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/18 5 0 GMT T | RH | W | EPT | H | 4/18 1159 GMT T | RH | W | EPT | H | 4/18 1810 GMT T | RH | W | EPT | H | 4/18 2357 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -69.2 | 0 | 0.0 | 456.0 | 19505 | -69.4 | 50 | .0 | 455.8 | 19446 | -64.4 | 0 | 0.0 | 466.8 | 19483 | -66.4 | 0 | 0.0 | 462.2 | 19587 | 60 |
| 70 | -69.8 | 26 | .0 | 435.2 | 18587 | -71.7 | 55 | .0 | 431.1 | 18531 | -69.4 | 0 | 0.0 | 436.0 | 18545 | -66.5 | 0 | 0.0 | 442.2 | 18654 | 70 |
| 80 | -76.6 | 26 | .0 | 404.9 | 17806 | -75.0 | 55 | .0 | 408.0 | 17749 | -76.5 | 17 | .0 | 405.0 | 17764 | -72.8 | 20 | .0 | 412.6 | 17854 | 80 |
| 90 | -80.6 | 27 | .0 | 383.4 | 17135 | -78.0 | 56 | .0 | 388.7 | 17071 | -77.4 | 17 | .0 | 389.8 | 17090 | -78.5 | 20 | .0 | 387.6 | 17175 | 90 |
| 100 | -79.4 | 27 | .0 | 374.3 | 16540 | -80.6 | 56 | .0 | 372.0 | 16473 | -78.7 | 16 | .0 | 375.7 | 16487 | -78.8 | 20 | .0 | 375.5 | 16572 | 100 |
| 110 | -78.4 | 27 | .0 | 366.1 | 15999 | -78.4 | 56 | .0 | 366.1 | 15932 | -78.4 | 16 | .0 | 366.2 | 15943 | -76.4 | 20 | .0 | 369.9 | 16028 | 110 |
| 120 | -74.9 | 27 | .0 | 363.7 | 15498 | -75.9 | 56 | .0 | 361.7 | 15433 | -75.6 | 16 | .0 | 362.3 | 15444 | -73.3 | 20 | .0 | 366.5 | 15522 | 120 |
| 130 | -71.6 | 27 | .0 | 361.4 | 15029 | -72.9 | 56 | .0 | 358.9 | 14968 | -73.0 | 16 | .0 | 358.7 | 14978 | -70.4 | 20 | .0 | 363.4 | 15051 | 130 |
| 140 | -68.7 | 27 | .0 | 358.8 | 14589 | -70.2 | 57 | .0 | 356.2 | 14530 | -70.7 | 16 | .0 | 355.3 | 14541 | -67.8 | 20 | .0 | 360.4 | 14608 | 140 |
| 150 | -67.5 | 27 | .0 | 353.9 | 14174 | -67.6 | 57 | .0 | 353.7 | 14117 | -68.5 | 16 | .0 | 352.2 | 14129 | -65.9 | 20 | .0 | 356.7 | 14191 | 150 |
| 160 | -66.4 | 27 | .0 | 349.3 | 13784 | -67.3 | 58 | .0 | 347.7 | 13729 | -66.4 | 16 | .0 | 349.2 | 13741 | -64.6 | 20 | .0 | 352.2 | 13798 | 160 |
| 170 | -63.6 | 27 | .0 | 347.9 | 13415 | -64.8 | 58 | .0 | 346.0 | 13361 | -65.5 | 16 | .0 | 344.7 | 13373 | -63.1 | 20 | .0 | 348.7 | 13426 | 170 |
| 180 | -61.0 | 26 | .0 | 346.5 | 13062 | -62.4 | 59 | .0 | 344.4 | 13010 | -62.6 | 16 | .0 | 343.9 | 13023 | -60.3 | 20 | .0 | 347.7 | 13072 | 180 |
| 190 | -58.2 | 26 | .0 | 345.8 | 12724 | -59.6 | 60 | .0 | 343.6 | 12675 | -59.9 | 16 | .0 | 343.0 | 12688 | -57.6 | 20 | .0 | 346.7 | 12733 | 190 |
| 200 | -55.2 | 25 | .0 | 345.5 | 12399 | -56.8 | 61 | .1 | 343.1 | 12352 | -57.3 | 16 | .0 | 342.1 | 12365 | -55.1 | 20 | .0 | 345.7 | 12407 | 200 |
| 225 | -48.5 | 24 | .1 | 344.5 | 11635 | -50.3 | 63 | .1 | 341.8 | 11594 | -50.2 | 15 | .0 | 341.7 | 11609 | -48.6 | 20 | .0 | 344.2 | 11644 | 225 |
| 250 | -42.4 | 23 | .1 | 343.4 | 10933 | -44.6 | 65 | .2 | 340.6 | 10898 | -43.9 | 15 | .0 | 341.0 | 10911 | -42.7 | 20 | .1 | 342.9 | 10942 | 250 |
| 275 | -36.9 | 22 | .1 | 342.3 | 10281 | -39.3 | 62 | .3 | 339.4 | 10253 | -38.3 | 14 | .1 | 340.1 | 10263 | -37.7 | 16 | .1 | 341.1 | 10292 | 275 |
| 300 | -32.0 | 23 | .2 | 341.1 | 9673 | -33.8 | 39 | .3 | 338.9 | 9650 | -33.2 | 14 | .1 | 339.1 | 9658 | -32.2 | 17 | .1 | 340.5 | 9685 | 300 |
| 325 | -27.5 | 24 | .3 | 340.0 | 9102 | -28.3 | 24 | .3 | 338.8 | 9082 | -28.5 | 13 | .2 | 338.1 | 9090 | -27.3 | 18 | .2 | 340.0 | 9115 | 325 |
| 350 | -23.5 | 27 | .4 | 338.8 | 8564 | -23.8 | 19 | .3 | 337.9 | 8546 | -24.1 | 13 | .2 | 337.1 | 8554 | -22.9 | 18 | .3 | 339.1 | 8576 | 350 |
| 375 | -20.2 | 42 | .9 | 338.1 | 8057 | -20.8 | 34 | .7 | 336.5 | 8039 | -20.7 | 15 | .3 | 335.3 | 8048 | -19.6 | 19 | .4 | 337.2 | 8067 | 375 |
| 400 | -16.1 | 18 | .5 | 336.0 | 7575 | -17.6 | 20 | .5 | 334.0 | 7559 | -17.6 | 17 | .4 | 333.7 | 7568 | -16.5 | 19 | .5 | 335.5 | 7585 | 400 |
| 425 | -13.6 | 18 | .6 | 333.6 | 7116 | -14.8 | 16 | .5 | 331.7 | 7102 | -14.8 | 14 | .4 | 331.5 | 7111 | -13.5 | 16 | .5 | 333.5 | 7127 | 425 |
| 450 | -11.3 | 17 | .6 | 331.4 | 6679 | -12.2 | 13 | .4 | 329.5 | 6668 | -12.3 | 15 | .5 | 329.6 | 6676 | -11.1 | 22 | .8 | 332.2 | 6690 | 450 |
| 475 | -9.0 | 17 | .7 | 329.4 | 6263 | -9.7 | 14 | .6 | 328.0 | 6252 | -10.1 | 27 | 1.0 | 329.1 | 6262 | -8.7 | 26 | 1.1 | 331.1 | 6273 | 475 |
| 500 | -6.9 | 46 | 2.1 | 331.8 | 5864 | -7.3 | 41 | 1.8 | 330.3 | 5855 | -7.7 | 38 | 1.6 | 329.3 | 5865 | -5.9 | 33 | 1.6 | 331.6 | 5873 | 500 |
| 525 | -4.4 | 54 | 2.9 | 332.7 | 5481 | -5.0 | 22 | 1.1 | 326.4 | 5473 | -4.6 | 12 | .6 | 325.1 | 5483 | -3.0 | 17 | 1.0 | 328.4 | 5489 | 525 |
| 550 | -2.2 | 45 | 2.6 | 330.4 | 5113 | -2.6 | 20 | 1.2 | 325.1 | 5105 | -2.2 | 16 | .9 | 324.9 | 5115 | -.8 | 13 | .9 | 326.2 | 5119 | 550 |
| 575 | .4 | 38 | 2.6 | 329.2 | 4758 | -.4 | 22 | 1.4 | 324.4 | 4751 | -1.0 | 31 | 1.9 | 325.3 | 4761 | 1.4 | 17 | 1.3 | 326.1 | 4763 | 575 |
| 600 | 2.9 | 28 | 2.2 | 326.7 | 4415 | 1.6 | 24 | 1.7 | 323.9 | 4410 | 1.2 | 21 | 1.5 | 322.5 | 4420 | 3.6 | 23 | 1.9 | 326.9 | 4419 | 600 |
| 625 | 4.6 | 31 | 2.7 | 326.5 | 4083 | 3.6 | 26 | 2.1 | 323.4 | 4080 | 2.8 | 47 | 3.5 | 327.0 | 4091 | 5.4 | 23 | 2.1 | 325.7 | 4086 | 625 |
| 650 | 6.2 | 46 | 4.2 | 329.4 | 3763 | 5.3 | 42 | 3.6 | 326.4 | 3760 | 4.9 | 41 | 3.4 | 325.6 | 3772 | 7.0 | 28 | 2.6 | 325.6 | 3765 | 650 |
| 675 | 8.5 | 28 | 2.9 | 324.7 | 3452 | 7.5 | 23 | 2.2 | 321.3 | 3451 | 7.0 | 36 | 3.3 | 324.1 | 3463 | 8.6 | 34 | 3.5 | 326.7 | 3454 | 675 |
| 700 | 10.0 | 29 | 3.2 | 323.9 | 3151 | 8.1 | 62 | 6.1 | 330.2 | 3151 | 8.4 | 56 | 5.5 | 328.8 | 3163 | 10.1 | 41 | 4.5 | 327.9 | 3152 | 700 |
| 725 | 11.4 | 31 | 3.6 | 323.5 | 2859 | 9.9 | 51 | 5.4 | 327.0 | 2860 | 9.5 | 68 | 7.0 | 331.0 | 2872 | 11.5 | 47 | 5.5 | 329.3 | 2860 | 725 |
| 750 | 12.7 | 40 | 4.9 | 325.7 | 2575 | 11.2 | 61 | 6.7 | 329.1 | 2577 | 10.6 | 70 | 7.5 | 330.8 | 2590 | 12.9 | 53 | 6.6 | 330.9 | 2575 | 750 |
| 775 | 14.1 | 54 | 7.0 | 330.4 | 2298 | 12.3 | 63 | 7.3 | 328.9 | 2303 | 12.5 | 69 | 8.1 | 331.6 | 2315 | 14.4 | 52 | 7.0 | 330.5 | 2299 | 775 |
| 800 | 15.4 | 48 | 6.6 | 327.6 | 2030 | 13.5 | 83 | 10.2 | 335.5 | 2035 | 13.6 | 80 | 9.8 | 334.5 | 2048 | 15.8 | 52 | 7.3 | 330.1 | 2029 | 800 |
| 825 | 16.0 | 69 | 9.5 | 333.7 | 1768 | 14.9 | 90 | 11.7 | 338.4 | 1775 | 15.6 | 73 | 9.9 | 334.3 | 1787 | 17.1 | 51 | 7.6 | 329.6 | 1767 | 825 |
| 850 | 17.2 | 75 | 11.0 | 336.2 | 1513 | 16.7 | 90 | 12.7 | 340.5 | 1520 | 17.2 | 76 | 11.0 | 336.5 | 1532 | 18.4 | 51 | 7.9 | 329.2 | 1512 | 850 |
| 875 | 18.4 | 81 | 12.4 | 338.9 | 1264 | 18.5 | 89 | 13.8 | 342.7 | 1271 | 18.8 | 73 | 11.4 | 336.6 | 1283 | 19.7 | 50 | 8.3 | 328.8 | 1263 | 875 |
| 900 | 19.6 | 87 | 14.0 | 341.8 | 1021 | 20.2 | 89 | 14.9 | 345.0 | 1028 | 20.3 | 70 | 11.8 | 336.7 | 1040 | 20.8 | 56 | 9.7 | 331.4 | 1019 | 900 |
| 925 | 21.1 | 92 | 15.9 | 346.2 | 784 | 21.8 | 89 | 16.0 | 347.4 | 790 | 21.8 | 68 | 12.2 | 336.9 | 802 | 21.8 | 64 | 11.4 | 334.8 | 781 | 925 |
| 950 | 23.4 | 95 | 18.4 | 353.3 | 551 | 23.4 | 89 | 17.2 | 349.9 | 556 | 23.0 | 69 | 12.9 | 337.6 | 570 | 23.1 | 69 | 13.1 | 338.4 | 549 | 950 |
| 975 | 25.4 | 87 | 18.5 | 353.6 | 322 | 25.0 | 88 | 18.3 | 352.4 | 328 | 24.1 | 69 | 13.6 | 338.3 | 342 | 25.6 | 67 | 14.3 | 342.0 | 321 | 975 |
| 1000 | 27.4 | 79 | 18.5 | 353.3 | 97 | 26.5 | 88 | 19.6 | 355.1 | 103 | 25.2 | 77 | 15.8 | 343.0 | 119 | 28.4 | 76 | 18.9 | 355.8 | 96 | 1000 |
| SFC. | 28.2 | 76 | 18.4 | 353.0 | 0 | 27.2 | 88 | 20.1 | 356.4 | 0 | 25.8 | 96 | 20.2 | 354.4 | 0 | 30.0 | 91 | 24.7 | 373.1 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1011.0 | SURFACE PRESSURE | | | | 1011.7 | SURFACE PRESSURE | | | | 1013.6 | SURFACE PRESSURE | | | | 1010.8 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/19 556 GMT T | RH | W | EPT | H | 4/19 1239 GMT T | RH | W | EPT | H | 4/19 1725 GMT T | RH | W | EPT | H | 4/19 1950 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 0 | 0.0 | 458.0 | 19516 | -66.8 | 0 | 0.0 | 461.4 | 19505 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.7 | 0 | 0.0 | 437.4 | 18592 | -68.4 | 0 | 0.0 | 438.0 | 18577 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 0 | 0.0 | 407.8 | 17799 | -75.0 | 45 | .0 | 408.0 | 17783 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.7 | 41 | .0 | 387.2 | 17139 | -78.4 | 19 | .0 | 387.9 | 17126 | -79.6 | 45 | .0 | 385.4 | 17114 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.6 | 41 | .0 | 374.0 | 16541 | -77.9 | 19 | .0 | 377.2 | 16524 | -78.3 | 45 | .0 | 376.5 | 16515 | 100 |
| 110 | -78.2 | 49 | .0 | 366.6 | 16009 | -77.6 | 28 | .0 | 367.7 | 15998 | -76.9 | 19 | .0 | 369.0 | 15978 | -76.4 | 45 | .0 | 369.9 | 15968 | 110 |
| 120 | -75.8 | 49 | .0 | 361.9 | 15509 | -75.2 | 21 | .0 | 363.1 | 15497 | -76.0 | 19 | .0 | 361.6 | 15477 | -74.7 | 45 | .0 | 363.9 | 15465 | 120 |
| 130 | -72.7 | 49 | .0 | 359.3 | 15043 | -71.9 | 25 | .0 | 360.7 | 15029 | -72.9 | 19 | .0 | 358.9 | 15011 | -73.2 | 45 | .0 | 358.5 | 14998 | 130 |
| 140 | -69.8 | 50 | .0 | 356.8 | 14605 | -69.0 | 30 | .0 | 358.4 | 14589 | -69.9 | 19 | .0 | 356.7 | 14573 | -71.7 | 45 | .0 | 353.5 | 14562 | 140 |
| 150 | -67.2 | 50 | .0 | 354.5 | 14191 | -66.2 | 34 | .0 | 356.2 | 14174 | -67.0 | 19 | .0 | 354.8 | 14160 | -68.0 | 45 | .0 | 353.1 | 14151 | 150 |
| 160 | -64.7 | 50 | .0 | 352.2 | 13799 | -63.6 | 38 | .0 | 354.1 | 13780 | -63.9 | 19 | .0 | 353.4 | 13767 | -64.5 | 45 | .0 | 352.5 | 13760 | 160 |
| 170 | -65.3 | 50 | .0 | 345.1 | 13429 | -62.5 | 41 | .0 | 349.7 | 13406 | -61.1 | 19 | .0 | 352.1 | 13393 | -62.4 | 45 | .0 | 349.9 | 13387 | 170 |
| 180 | -63.0 | 50 | .0 | 343.2 | 13080 | -61.7 | 42 | .0 | 345.4 | 13054 | -60.8 | 19 | .0 | 346.8 | 13037 | -61.0 | 45 | .0 | 346.7 | 13034 | 180 |
| 190 | -60.3 | 50 | .0 | 342.3 | 12745 | -58.7 | 42 | .0 | 345.0 | 12717 | -58.5 | 19 | .0 | 345.3 | 12699 | -58.4 | 45 | .0 | 345.5 | 12696 | 190 |
| 200 | -57.4 | 50 | .0 | 342.1 | 12423 | -55.8 | 42 | .0 | 344.6 | 12393 | -56.2 | 18 | .0 | 343.8 | 12375 | -56.0 | 45 | .0 | 344.3 | 12371 | 200 |
| 225 | -50.0 | 51 | .1 | 342.3 | 11666 | -49.3 | 41 | .1 | 343.4 | 11632 | -49.9 | 18 | .0 | 342.2 | 11617 | -50.5 | 46 | .1 | 341.4 | 11614 | 225 |
| 250 | -43.3 | 51 | .2 | 342.4 | 10967 | -43.1 | 37 | .1 | 342.6 | 10932 | -43.4 | 17 | .1 | 341.8 | 10918 | -43.8 | 46 | .1 | 341.5 | 10917 | 250 |
| 275 | -37.3 | 52 | .3 | 342.4 | 10317 | -37.7 | 43 | .2 | 341.6 | 10281 | -37.7 | 17 | .1 | 341.0 | 10269 | -37.8 | 45 | .2 | 341.5 | 10268 | 275 |
| 300 | -32.6 | 29 | .2 | 340.4 | 9710 | -33.0 | 46 | .4 | 340.3 | 9675 | -32.6 | 17 | .1 | 340.1 | 9662 | -32.3 | 45 | .4 | 341.4 | 9661 | 300 |
| 325 | -27.7 | 28 | .3 | 339.9 | 9140 | -29.0 | 34 | .4 | 338.2 | 9108 | -29.5 | 21 | .2 | 336.9 | 9093 | -28.8 | 46 | .5 | 338.9 | 9092 | 325 |
| 350 | -23.1 | 26 | .4 | 339.4 | 8603 | -24.1 | 24 | .4 | 337.8 | 8572 | -25.2 | 20 | .3 | 335.9 | 8560 | -25.5 | 47 | .6 | 336.8 | 8558 | 350 |
| 375 | -19.3 | 24 | .5 | 338.1 | 8093 | -20.4 | 35 | .7 | 337.2 | 8065 | -20.7 | 24 | .5 | 336.0 | 8054 | -21.0 | 48 | .9 | 337.2 | 8053 | 375 |
| 400 | -16.7 | 21 | .5 | 335.4 | 7611 | -17.5 | 30 | .7 | 335.0 | 7584 | -17.8 | 31 | .7 | 334.6 | 7574 | -17.8 | 49 | 1.2 | 336.1 | 7572 | 400 |
| 425 | -13.6 | 25 | .8 | 334.5 | 7152 | -14.2 | 15 | .5 | 332.5 | 7127 | -14.5 | 24 | .7 | 333.0 | 7118 | -14.6 | 49 | 1.4 | 335.3 | 7116 | 425 |
| 450 | -11.0 | 14 | .5 | 331.4 | 6715 | -11.7 | 13 | .4 | 330.2 | 6691 | -11.3 | 17 | .6 | 331.3 | 6682 | -11.6 | 49 | 1.7 | 334.7 | 6680 | 450 |
| 475 | -8.8 | 37 | 1.5 | 332.4 | 6298 | -9.0 | 25 | 1.0 | 330.5 | 6275 | -8.6 | 15 | .6 | 329.8 | 6265 | -8.9 | 49 | 2.0 | 333.9 | 6263 | 475 |
| 500 | -5.7 | 41 | 2.1 | 333.3 | 5898 | -6.1 | 45 | 2.2 | 333.1 | 5876 | -6.9 | 31 | 1.4 | 329.6 | 5866 | -7.2 | 50 | 2.2 | 331.8 | 5865 | 500 |
| 525 | -2.6 | 13 | .8 | 328.1 | 5514 | -3.6 | 26 | 1.4 | 329.2 | 5492 | -4.4 | 33 | 1.7 | 329.1 | 5483 | -4.8 | 57 | 2.9 | 332.3 | 5482 | 525 |
| 550 | .1 | 13 | .9 | 327.4 | 5143 | -.8 | 13 | .8 | 326.1 | 5123 | -1.8 | 21 | 1.3 | 326.5 | 5115 | -2.8 | 52 | 2.9 | 330.5 | 5115 | 550 |
| 575 | 2.0 | 13 | 1.0 | 325.9 | 4786 | 1.6 | 14 | 1.0 | 325.4 | 4766 | .7 | 23 | 1.6 | 326.2 | 4760 | -1.2 | 53 | 3.2 | 329.2 | 4761 | 575 |
| 600 | 3.7 | 15 | 1.3 | 324.9 | 4441 | 3.2 | 15 | 1.2 | 323.9 | 4423 | 3.0 | 19 | 1.5 | 324.8 | 4416 | -.3 | 62 | 3.8 | 328.1 | 4421 | 600 |
| 625 | 5.3 | 36 | 3.2 | 329.1 | 4109 | 4.8 | 28 | 2.4 | 326.0 | 4091 | 4.3 | 29 | 2.4 | 325.4 | 4085 | 2.6 | 67 | 5.0 | 331.1 | 4092 | 625 |
| 650 | 6.3 | 57 | 5.3 | 332.8 | 3788 | 6.4 | 52 | 4.8 | 331.6 | 3770 | 5.4 | 50 | 4.3 | 328.8 | 3765 | 4.7 | 72 | 5.9 | 332.8 | 3773 | 650 |
| 675 | 8.2 | 60 | 6.0 | 333.6 | 3477 | 8.5 | 54 | 5.5 | 332.6 | 3459 | 7.0 | 41 | 3.8 | 325.7 | 3456 | 6.8 | 76 | 7.0 | 334.8 | 3464 | 675 |
| 700 | 10.0 | 62 | 6.8 | 334.6 | 3175 | 10.3 | 30 | 3.4 | 324.9 | 3157 | 9.0 | 39 | 4.1 | 325.4 | 3156 | 8.8 | 80 | 8.2 | 337.1 | 3163 | 700 |
| 725 | 11.7 | 64 | 7.6 | 335.7 | 2882 | 11.5 | 50 | 5.8 | 330.2 | 2865 | 10.9 | 42 | 4.7 | 326.1 | 2864 | 10.3 | 80 | 8.7 | 337.0 | 2871 | 725 |
| 750 | 13.7 | 60 | 7.8 | 335.4 | 2597 | 13.6 | 53 | 6.8 | 332.4 | 2580 | 12.1 | 60 | 7.2 | 331.6 | 2580 | 11.7 | 80 | 9.2 | 337.0 | 2588 | 750 |
| 775 | 15.4 | 46 | 6.5 | 330.3 | 2319 | 14.5 | 72 | 9.7 | 338.6 | 2303 | 13.1 | 80 | 9.8 | 337.2 | 2304 | 13.1 | 79 | 9.8 | 337.0 | 2312 | 775 |
| 800 | 16.3 | 52 | 7.5 | 331.4 | 2050 | 15.4 | 54 | 7.4 | 330.0 | 2034 | 14.0 | 80 | 10.1 | 335.9 | 2036 | 14.5 | 79 | 10.3 | 337.1 | 2043 | 800 |
| 825 | 18.0 | 50 | 7.9 | 331.6 | 1787 | 16.7 | 58 | 8.4 | 331.3 | 1772 | 15.1 | 82 | 10.9 | 336.4 | 1775 | 15.8 | 79 | 10.9 | 337.2 | 1782 | 825 |
| 850 | 19.6 | 46 | 7.8 | 330.2 | 1530 | 17.9 | 65 | 9.9 | 334.1 | 1516 | 16.2 | 85 | 11.6 | 336.9 | 1521 | 17.0 | 79 | 11.4 | 337.3 | 1527 | 850 |
| 875 | 19.2 | 79 | 12.7 | 340.8 | 1280 | 18.8 | 84 | 13.3 | 341.8 | 1267 | 17.3 | 87 | 12.4 | 337.4 | 1273 | 18.3 | 79 | 12.0 | 337.5 | 1278 | 875 |
| 900 | 20.5 | 84 | 14.3 | 343.9 | 1037 | 19.7 | 85 | 13.9 | 341.7 | 1024 | 18.8 | 89 | 13.7 | 340.0 | 1031 | 19.5 | 79 | 12.5 | 337.7 | 1035 | 900 |
| 925 | 22.1 | 89 | 16.3 | 348.6 | 798 | 21.4 | 95 | 16.7 | 348.7 | 786 | 20.3 | 92 | 15.1 | 343.0 | 794 | 20.6 | 78 | 13.1 | 337.9 | 798 | 925 |
| 950 | 23.6 | 94 | 18.5 | 353.7 | 565 | 22.8 | 95 | 17.8 | 350.7 | 553 | 22.0 | 92 | 16.3 | 345.6 | 562 | 21.8 | 78 | 13.6 | 338.1 | 567 | 950 |
| 975 | 26.0 | 86 | 18.9 | 355.4 | 335 | 25.2 | 84 | 17.7 | 350.9 | 325 | 24.3 | 82 | 16.2 | 345.7 | 335 | 22.9 | 78 | 14.2 | 338.4 | 340 | 975 |
| 1000 | 27.2 | 82 | 19.0 | 354.6 | 110 | 27.0 | 77 | 17.6 | 350.5 | 101 | 26.2 | 83 | 18.0 | 350.3 | 111 | 24.8 | 85 | 17.1 | 346.1 | 118 | 1000 |
| SFC. | 26.7 | 85 | 18.8 | 352.1 | 0 | 27.1 | 80 | 18.2 | 350.8 | 0 | 26.7 | 95 | 21.1 | 358.3 | 0 | 26.9 | 97 | 21.8 | 360.4 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1012.5 | SURFACE PRESSURE | | | | 1011.4 | SURFACE PRESSURE | | | | 1012.6 | SURFACE PRESSURE | | | | 1013.4 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/19 2330 GMT T | RH | W | EPT | H | 4/20 2 0 GMT T | RH | W | EPT | H | 4/20 527 GMT T | RH | W | EPT | H | 4/20 1216 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.9 | 0 | 0.0 | 459.0 | 19474 | -64.2 | 0 | 0.0 | 467.2 | 19508 | -66.4 | 0 | 0.0 | 462.4 | 19565 | -65.4 | 0 | 0.0 | 464.6 | 19511 | 60 |
| 70 | -69.4 | 0 | 0.0 | 435.9 | 18551 | -69.7 | 0 | 0.0 | 435.3 | 18582 | -72.4 | 17 | .0 | 429.6 | 18648 | -70.1 | 0 | 0.0 | 434.5 | 18582 | 70 |
| 80 | -74.9 | 0 | 0.0 | 408.4 | 17759 | -72.7 | 20 | .0 | 412.9 | 17790 | -76.6 | 17 | .0 | 404.8 | 17868 | -75.0 | 0 | 0.0 | 408.1 | 17798 | 80 |
| 90 | -79.6 | 20 | .0 | 385.4 | 17089 | -78.7 | 20 | .0 | 387.1 | 17110 | -79.5 | 17 | .0 | 385.6 | 17198 | -79.0 | 19 | .0 | 386.5 | 17120 | 90 |
| 100 | -78.2 | 19 | .0 | 376.7 | 16490 | -78.2 | 20 | .0 | 376.7 | 16509 | -79.5 | 18 | .0 | 374.2 | 16600 | -80.3 | 19 | .0 | 372.6 | 16520 | 100 |
| 110 | -76.5 | 19 | .0 | 369.7 | 15944 | -77.4 | 20 | .0 | 368.0 | 15964 | -76.9 | 18 | .0 | 369.0 | 16056 | -77.8 | 19 | .0 | 367.2 | 15978 | 110 |
| 120 | -75.0 | 19 | .0 | 363.4 | 15441 | -75.0 | 20 | .0 | 363.4 | 15463 | -74.6 | 17 | .0 | 364.2 | 15553 | -75.6 | 19 | .0 | 362.4 | 15478 | 120 |
| 130 | -73.1 | 19 | .0 | 358.6 | 14974 | -72.7 | 20 | .0 | 359.2 | 14996 | -72.4 | 17 | .0 | 359.9 | 15085 | -73.5 | 19 | .0 | 357.9 | 15012 | 130 |
| 140 | -70.2 | 19 | .0 | 356.2 | 14537 | -70.7 | 20 | .0 | 355.3 | 14558 | -70.4 | 17 | .0 | 355.8 | 14647 | -70.8 | 19 | .0 | 355.0 | 14576 | 140 |
| 150 | -67.4 | 20 | .0 | 353.9 | 14124 | -68.5 | 20 | .0 | 352.1 | 14147 | -67.7 | 17 | .0 | 353.6 | 14235 | -67.9 | 19 | .0 | 353.1 | 14165 | 150 |
| 160 | -65.0 | 20 | .0 | 351.7 | 13733 | -65.6 | 20 | .0 | 350.5 | 13758 | -64.8 | 17 | .0 | 352.0 | 13844 | -65.2 | 19 | .0 | 351.3 | 13774 | 160 |
| 170 | -62.7 | 20 | .0 | 349.3 | 13361 | -62.9 | 20 | .0 | 349.0 | 13387 | -62.1 | 17 | .0 | 350.4 | 13471 | -62.6 | 19 | .0 | 349.5 | 13403 | 170 |
| 180 | -60.6 | 20 | .0 | 347.1 | 13007 | -60.4 | 19 | .0 | 347.5 | 13033 | -59.5 | 16 | .0 | 348.9 | 13116 | -60.2 | 19 | .0 | 347.8 | 13048 | 180 |
| 190 | -58.7 | 20 | .0 | 345.0 | 12669 | -58.0 | 19 | .0 | 346.0 | 12694 | -57.1 | 16 | .0 | 347.4 | 12776 | -57.5 | 18 | .0 | 346.8 | 12709 | 190 |
| 200 | -56.8 | 20 | .0 | 342.9 | 12346 | -55.7 | 19 | .0 | 344.6 | 12369 | -54.8 | 16 | .0 | 346.0 | 12450 | -55.0 | 18 | .0 | 345.8 | 12383 | 200 |
| 225 | -51.0 | 19 | .0 | 340.5 | 11589 | -49.9 | 19 | .0 | 342.3 | 11610 | -49.2 | 16 | .0 | 343.3 | 11687 | -49.1 | 16 | .0 | 343.4 | 11620 | 225 |
| 250 | -44.9 | 18 | .1 | 339.6 | 10895 | -43.6 | 18 | .1 | 341.6 | 10911 | -42.7 | 15 | .1 | 342.8 | 10986 | -43.9 | 15 | .0 | 341.1 | 10921 | 250 |
| 275 | -38.7 | 18 | .1 | 339.5 | 10249 | -37.8 | 18 | .1 | 340.8 | 10262 | -36.9 | 14 | .1 | 342.1 | 10335 | -37.9 | 15 | .1 | 340.6 | 10273 | 275 |
| 300 | -33.1 | 17 | .1 | 339.3 | 9645 | -32.6 | 17 | .1 | 340.0 | 9656 | -31.6 | 14 | .1 | 341.4 | 9726 | -32.5 | 15 | .1 | 340.1 | 9667 | 300 |
| 325 | -28.0 | 16 | .2 | 338.9 | 9076 | -27.9 | 17 | .2 | 339.1 | 9087 | -26.7 | 13 | .2 | 340.6 | 9154 | -28.2 | 15 | .2 | 338.5 | 9097 | 325 |
| 350 | -24.5 | 18 | .3 | 336.9 | 8540 | -23.4 | 16 | .3 | 338.3 | 8549 | -22.4 | 14 | .3 | 339.6 | 8614 | -24.4 | 15 | .2 | 336.8 | 8562 | 350 |
| 375 | -21.2 | 20 | .4 | 335.0 | 8034 | -21.0 | 20 | .4 | 335.3 | 8042 | -18.9 | 17 | .4 | 338.1 | 8104 | -20.8 | 15 | .3 | 335.3 | 8055 | 375 |
| 400 | -18.2 | 22 | .5 | 333.2 | 7555 | -17.6 | 23 | .5 | 334.1 | 7562 | -15.6 | 20 | .6 | 336.9 | 7620 | -17.4 | 15 | .4 | 333.8 | 7575 | 400 |
| 425 | -14.7 | 19 | .6 | 332.2 | 7099 | -15.0 | 26 | .7 | 332.4 | 7106 | -13.2 | 34 | 1.1 | 336.1 | 7161 | -14.5 | 22 | .6 | 332.8 | 7118 | 425 |
| 450 | -11.4 | 17 | .6 | 331.2 | 6663 | -11.2 | 18 | .6 | 331.6 | 6670 | -9.7 | 18 | .7 | 333.7 | 6723 | -11.6 | 22 | .8 | 331.5 | 6683 | 450 |
| 475 | -8.2 | 15 | .6 | 330.1 | 6246 | -7.7 | 16 | .7 | 331.0 | 6253 | -6.8 | 13 | .6 | 331.9 | 6303 | -8.8 | 17 | .7 | 329.6 | 6266 | 475 |
| 500 | -6.5 | 27 | 1.3 | 329.6 | 5847 | -5.1 | 14 | .7 | 329.6 | 5851 | -4.1 | 12 | .7 | 330.6 | 5901 | -6.3 | 17 | .8 | 328.3 | 5867 | 500 |
| 525 | -4.7 | 32 | 1.6 | 328.5 | 5464 | -3.8 | 29 | 1.6 | 329.5 | 5467 | -2.9 | 49 | 2.9 | 334.6 | 5515 | -4.4 | 47 | 2.5 | 331.4 | 5484 | 525 |
| 550 | -2.2 | 21 | 1.2 | 325.6 | 5096 | -1.2 | 23 | 1.5 | 327.7 | 5098 | .2 | 21 | 1.5 | 329.6 | 5144 | -1.7 | 23 | 1.4 | 327.0 | 5116 | 550 |
| 575 | .1 | 24 | 1.6 | 325.5 | 4742 | 1.0 | 21 | 1.5 | 326.4 | 4743 | 2.7 | 23 | 1.8 | 329.4 | 4787 | .3 | 52 | 3.5 | 331.9 | 4760 | 575 |
| 600 | 2.0 | 38 | 2.8 | 327.7 | 4400 | 2.8 | 28 | 2.2 | 326.6 | 4399 | 3.9 | 44 | 3.7 | 332.9 | 4442 | 2.4 | 28 | 2.1 | 326.0 | 4418 | 600 |
| 625 | 3.5 | 50 | 4.0 | 329.2 | 4069 | 4.5 | 34 | 2.9 | 327.1 | 4068 | 5.6 | 58 | 5.3 | 335.8 | 4108 | 4.1 | 35 | 2.9 | 326.6 | 4087 | 625 |
| 650 | 5.1 | 43 | 3.6 | 326.3 | 3750 | 7.1 | 29 | 2.8 | 326.2 | 3747 | 8.0 | 55 | 5.7 | 336.0 | 3786 | 5.3 | 60 | 5.2 | 331.3 | 3767 | 650 |
| 675 | 7.0 | 50 | 4.7 | 328.3 | 3440 | 8.7 | 43 | 4.5 | 329.8 | 3435 | 10.0 | 53 | 6.0 | 335.8 | 3473 | 7.5 | 46 | 4.4 | 328.0 | 3457 | 675 |
| 700 | 8.9 | 54 | 5.5 | 329.4 | 3140 | 10.1 | 39 | 4.3 | 327.4 | 3134 | 11.5 | 52 | 6.3 | 334.9 | 3169 | 9.5 | 50 | 5.3 | 329.5 | 3156 | 700 |
| 725 | 10.2 | 49 | 5.3 | 327.1 | 2849 | 11.5 | 39 | 4.6 | 326.6 | 2841 | 12.9 | 51 | 6.5 | 334.0 | 2875 | 11.3 | 49 | 5.7 | 329.6 | 2864 | 725 |
| 750 | 11.5 | 52 | 5.9 | 327.2 | 2566 | 12.9 | 40 | 5.0 | 326.0 | 2557 | 14.3 | 50 | 6.8 | 333.1 | 2589 | 13.0 | 41 | 5.2 | 326.9 | 2579 | 750 |
| 775 | 12.9 | 60 | 7.2 | 329.5 | 2291 | 13.9 | 46 | 5.9 | 326.8 | 2281 | 15.7 | 49 | 7.0 | 332.2 | 2311 | 14.7 | 34 | 4.6 | 323.9 | 2303 | 775 |
| 800 | 14.5 | 64 | 8.4 | 331.5 | 2023 | 14.9 | 51 | 6.8 | 327.7 | 2013 | 17.0 | 50 | 7.7 | 332.6 | 2041 | 15.9 | 39 | 5.6 | 325.4 | 2034 | 800 |
| 825 | 15.9 | 54 | 7.4 | 327.7 | 1761 | 15.8 | 39 | 5.3 | 321.5 | 1752 | 18.2 | 57 | 9.1 | 335.3 | 1777 | 17.1 | 50 | 7.3 | 328.8 | 1772 | 825 |
| 850 | 16.4 | 76 | 10.6 | 334.1 | 1507 | 16.6 | 67 | 9.4 | 331.2 | 1498 | 19.5 | 63 | 10.7 | 338.2 | 1521 | 18.2 | 59 | 9.2 | 332.4 | 1516 | 850 |
| 875 | 17.2 | 76 | 10.9 | 333.1 | 1259 | 17.8 | 53 | 7.8 | 325.3 | 1250 | 20.5 | 71 | 12.3 | 341.3 | 1270 | 19.2 | 69 | 11.1 | 336.2 | 1267 | 875 |
| 900 | 18.0 | 77 | 11.2 | 332.2 | 1018 | 18.4 | 76 | 11.3 | 332.9 | 1008 | 20.6 | 84 | 14.4 | 344.2 | 1026 | 20.3 | 78 | 13.1 | 340.2 | 1023 | 900 |
| 925 | 19.3 | 75 | 11.5 | 332.0 | 782 | 20.6 | 63 | 10.4 | 330.5 | 771 | 20.8 | 96 | 16.2 | 346.7 | 788 | 21.3 | 87 | 15.1 | 344.4 | 786 | 925 |
| 950 | 21.9 | 67 | 11.8 | 333.3 | 551 | 21.9 | 71 | 12.5 | 335.4 | 540 | 23.6 | 86 | 16.9 | 349.3 | 555 | 22.3 | 96 | 17.3 | 348.7 | 553 | 950 |
| 975 | 24.4 | 60 | 12.0 | 334.2 | 324 | 24.7 | 73 | 14.8 | 342.3 | 313 | 26.2 | 78 | 17.3 | 351.3 | 326 | 23.9 | 91 | 17.6 | 349.0 | 325 | 975 |
| 1000 | 28.2 | 67 | 16.5 | 348.9 | 101 | 27.4 | 74 | 17.3 | 350.0 | 89 | 27.6 | 75 | 17.6 | 351.3 | 101 | 25.5 | 85 | 17.8 | 348.9 | 102 | 1000 |
| SFC. | 30.0 | 72 | 19.4 | 358.1 | 0 | 28.4 | 75 | 18.4 | 353.4 | 0 | 26.4 | 82 | 17.9 | 349.1 | 0 | 26.2 | 83 | 17.9 | 348.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1011.3 | SURFACE PRESSURE | | | | 1010.0 | SURFACE PRESSURE | | | | 1011.4 | SURFACE PRESSURE | | | | 1011.6 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| | 4/20 18 2 GMT | | | | | 4/20 2355 GMT | | | | | 4/21 515 GMT | | | | | 4/21 1312 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -63.9 | 0 | 0.0 | 467.9 | 19523 | -64.7 | 0 | 0.0 | 466.0 | 19537 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -69.4 | 15 | .0 | 436.0 | 18594 | -68.9 | 17 | .0 | 437.1 | 18603 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -73.9 | 15 | .0 | 410.3 | 17803 | -74.1 | 17 | .0 | 409.9 | 17814 | -74.5 | 37 | .0 | 409.1 | 17736 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -78.1 | 15 | .0 | 388.4 | 17125 | -76.4 | 17 | .0 | 391.7 | 17132 | -77.9 | 38 | .0 | 388.7 | 17060 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -78.1 | 16 | .0 | 376.9 | 16523 | -78.5 | 17 | .0 | 376.1 | 16528 | -78.2 | 38 | .0 | 376.7 | 16458 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -77.3 | 17 | .0 | 368.2 | 15979 | -78.0 | 17 | .0 | 366.9 | 15987 | -80.6 | 38 | .0 | 362.0 | 15917 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -75.0 | 16 | .0 | 363.4 | 15477 | -75.4 | 17 | .0 | 362.7 | 15485 | -77.7 | 38 | .0 | 358.4 | 15423 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -74.2 | 16 | .0 | 356.6 | 15011 | -73.4 | 17 | .0 | 358.0 | 15019 | -75.1 | 38 | .0 | 355.1 | 14961 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -71.7 | 16 | .0 | 353.5 | 14577 | -71.6 | 17 | .0 | 353.7 | 14584 | -72.6 | 38 | .0 | 351.9 | 14529 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.6 | 16 | .0 | 351.9 | 14167 | -68.5 | 17 | .0 | 352.2 | 14174 | -70.2 | 38 | .0 | 349.3 | 14121 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.7 | 15 | .0 | 350.4 | 13778 | -65.7 | 17 | .0 | 350.5 | 13784 | -67.5 | 37 | .0 | 347.4 | 13735 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -63.0 | 15 | .0 | 348.9 | 13407 | -64.0 | 17 | .0 | 347.2 | 13414 | -65.0 | 37 | .0 | 345.6 | 13368 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -60.5 | 15 | .0 | 347.4 | 13053 | -60.7 | 16 | .0 | 346.9 | 13062 | -62.6 | 36 | .0 | 343.9 | 13017 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -58.0 | 15 | .0 | 346.0 | 12715 | -57.7 | 16 | .0 | 346.6 | 12723 | -59.5 | 37 | .0 | 343.6 | 12681 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -55.3 | 15 | .0 | 345.3 | 12389 | -54.7 | 16 | .0 | 346.2 | 12397 | -56.6 | 37 | .0 | 343.3 | 12358 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -48.8 | 14 | .0 | 343.9 | 11627 | -48.4 | 15 | .0 | 344.5 | 11632 | -49.9 | 39 | .1 | 342.3 | 11600 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -42.9 | 14 | .0 | 342.5 | 10925 | -42.6 | 15 | .1 | 343.0 | 10930 | -44.0 | 40 | .1 | 341.3 | 10902 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -37.3 | 13 | .1 | 341.6 | 10275 | -36.9 | 14 | .1 | 342.1 | 10279 | -38.6 | 49 | .2 | 340.3 | 10255 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -32.1 | 13 | .1 | 340.6 | 9667 | -31.7 | 13 | .1 | 341.2 | 9670 | -33.7 | 19 | .1 | 338.5 | 9651 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -27.6 | 14 | .2 | 339.3 | 9097 | -27.2 | 12 | .2 | 339.9 | 9099 | -29.0 | 16 | .2 | 337.4 | 9084 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -23.5 | 14 | .2 | 338.0 | 8560 | -23.4 | 12 | .2 | 338.1 | 8561 | -24.6 | 12 | .2 | 336.3 | 8549 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -21.8 | 16 | .3 | 333.9 | 8056 | -19.8 | 13 | .3 | 336.5 | 8052 | -21.1 | 20 | .4 | 335.2 | 8043 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -17.3 | 15 | .4 | 333.9 | 7576 | -16.5 | 13 | .3 | 334.9 | 7570 | -17.1 | 14 | .3 | 334.1 | 7563 | 0.0 | 0 | 0.0 | 0.0 | 0 | 400 |
| 425 | -15.6 | 26 | .7 | 331.6 | 7120 | -13.4 | 14 | .4 | 333.5 | 7112 | -14.8 | 16 | .4 | 331.7 | 7106 | 0.0 | 0 | 0.0 | 0.0 | 0 | 425 |
| 450 | -12.1 | 21 | .7 | 330.6 | 6687 | -12.1 | 16 | .5 | 330.1 | 6676 | -12.5 | 18 | .6 | 329.7 | 6672 | 0.0 | 0 | 0.0 | 0.0 | 0 | 450 |
| 475 | -8.9 | 14 | .6 | 329.2 | 6270 | -9.1 | 14 | .6 | 328.8 | 6260 | -9.6 | 21 | .8 | 329.0 | 6257 | 0.0 | 0 | 0.0 | 0.0 | 0 | 475 |
| 500 | -7.2 | 43 | 1.9 | 330.9 | 5872 | -6.3 | 13 | .6 | 327.6 | 5861 | -6.9 | 19 | .9 | 327.8 | 5859 | 0.0 | 0 | 0.0 | 0.0 | 0 | 500 |
| 525 | -4.5 | 30 | 1.5 | 328.4 | 5489 | -4.1 | 22 | 1.2 | 327.7 | 5478 | -4.2 | 18 | .9 | 326.7 | 5476 | 0.0 | 0 | 0.0 | 0.0 | 0 | 525 |
| 550 | -2.1 | 34 | 2.0 | 328.4 | 5121 | -1.9 | 31 | 1.9 | 328.3 | 5110 | -1.9 | 22 | 1.3 | 326.4 | 5108 | 0.0 | 0 | 0.0 | 0.0 | 0 | 550 |
| 575 | .6 | 33 | 2.3 | 328.4 | 4766 | .4 | 38 | 2.6 | 329.3 | 4755 | -.1 | 35 | 2.3 | 327.6 | 4753 | 0.0 | 0 | 0.0 | 0.0 | 0 | 575 |
| 600 | 2.6 | 22 | 1.7 | 324.9 | 4423 | 2.7 | 43 | 3.3 | 330.1 | 4412 | 1.7 | 46 | 3.3 | 329.0 | 4411 | 0.0 | 0 | 0.0 | 0.0 | 0 | 600 |
| 625 | 3.8 | 42 | 3.4 | 327.8 | 4093 | 4.7 | 36 | 3.1 | 327.9 | 4080 | 3.5 | 39 | 3.1 | 326.4 | 4081 | 3.1 | 43 | 3.3 | 326.6 | 4067 | 625 |
| 650 | 6.0 | 40 | 3.6 | 327.4 | 3773 | 6.7 | 29 | 2.7 | 325.5 | 3759 | 5.6 | 41 | 3.6 | 327.0 | 3762 | 5.1 | 46 | 3.9 | 327.1 | 3748 | 650 |
| 675 | 8.1 | 38 | 3.8 | 327.1 | 3462 | 8.6 | 22 | 2.3 | 322.9 | 3448 | 8.1 | 36 | 3.6 | 326.4 | 3451 | 7.0 | 49 | 4.5 | 327.8 | 3438 | 675 |
| 700 | 9.8 | 44 | 4.8 | 328.4 | 3161 | 10.3 | 19 | 2.1 | 321.0 | 3147 | 10.2 | 33 | 3.6 | 325.4 | 3150 | 9.5 | 39 | 4.2 | 326.3 | 3138 | 700 |
| 725 | 11.4 | 40 | 4.7 | 326.6 | 2868 | 11.9 | 19 | 2.3 | 320.0 | 2854 | 11.7 | 41 | 4.8 | 327.5 | 2857 | 11.1 | 41 | 4.6 | 326.1 | 2846 | 725 |
| 750 | 12.8 | 36 | 4.5 | 324.6 | 2584 | 13.4 | 19 | 2.4 | 319.1 | 2570 | 13.0 | 35 | 4.4 | 324.4 | 2573 | 12.5 | 42 | 5.1 | 326.0 | 2562 | 750 |
| 775 | 14.2 | 33 | 4.3 | 322.6 | 2308 | 14.6 | 26 | 3.5 | 320.5 | 2294 | 14.5 | 33 | 4.4 | 323.1 | 2297 | 14.0 | 43 | 5.6 | 326.0 | 2286 | 775 |
| 800 | 15.2 | 41 | 5.6 | 324.6 | 2040 | 15.5 | 37 | 5.1 | 323.5 | 2025 | 16.2 | 48 | 7.0 | 329.7 | 2027 | 15.1 | 49 | 6.6 | 327.4 | 2017 | 800 |
| 825 | 16.1 | 53 | 7.4 | 327.7 | 1779 | 16.1 | 51 | 7.1 | 326.8 | 1764 | 16.7 | 54 | 7.8 | 329.8 | 1765 | 15.9 | 64 | 8.9 | 331.7 | 1756 | 825 |
| 850 | 16.9 | 64 | 9.1 | 330.8 | 1524 | 14.4 | 60 | 7.3 | 322.7 | 1510 | 16.8 | 83 | 11.9 | 338.4 | 1510 | 16.6 | 78 | 10.9 | 335.4 | 1502 | 850 |
| 875 | 17.9 | 73 | 10.8 | 333.6 | 1276 | 18.4 | 79 | 12.1 | 337.9 | 1263 | 17.7 | 96 | 14.0 | 342.4 | 1262 | 17.2 | 88 | 12.6 | 337.7 | 1254 | 875 |
| 900 | 19.4 | 72 | 11.4 | 334.5 | 1034 | 19.7 | 86 | 13.9 | 341.7 | 1020 | 19.2 | 88 | 13.8 | 340.9 | 1019 | 18.5 | 91 | 13.7 | 339.6 | 1012 | 900 |
| 925 | 20.9 | 71 | 12.0 | 335.3 | 797 | 20.6 | 83 | 13.8 | 340.0 | 783 | 20.7 | 83 | 13.9 | 340.1 | 782 | 20.2 | 89 | 14.5 | 341.4 | 775 | 925 |
| 950 | 22.1 | 78 | 13.8 | 338.8 | 565 | 22.9 | 92 | 17.3 | 349.5 | 551 | 22.4 | 87 | 15.9 | 345.3 | 550 | 21.9 | 87 | 15.4 | 343.1 | 543 | 950 |
| 975 | 23.8 | 77 | 14.9 | 341.5 | 338 | 25.1 | 81 | 17.0 | 348.9 | 322 | 24.5 | 85 | 17.2 | 348.8 | 322 | 23.5 | 85 | 16.2 | 344.8 | 316 | 975 |
| 1000 | 26.1 | 77 | 16.6 | 346.5 | 115 | 27.9 | 79 | 19.1 | 355.7 | 98 | 27.0 | 75 | 17.2 | 349.3 | 98 | 25.1 | 84 | 17.1 | 346.5 | 93 | 1000 |
| SFC. | 27.2 | 85 | 19.4 | 354.2 | 0 | 30.0 | 90 | 24.4 | 372.2 | 0 | 28.1 | 71 | 17.1 | 349.2 | 0 | 25.8 | 83 | 17.4 | 347.3 | 0 | SFC. |
| | SURFACE PRESSURE 1013.0 | | | | | SURFACE PRESSURE 1011.0 | | | | | SURFACE PRESSURE 1011.1 | | | | | SURFACE PRESSURE 1010.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

FANNING ISLAND

| P | 4/21 1725 GMT T | RH | W | EPT | H | 4/21 1955 GMT T | RH | W | EPT | H | 4/21 2325 GMT T | RH | W | EPT | H | T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.8 | 0 | 0.0 | 463.6 | 19557 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.4 | 0 | 0.0 | 464.5 | 19572 | 0.0 | | | | 0 | 60 |
| 70 | -67.4 | 0 | 0.0 | 440.1 | 18625 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.5 | 0 | 0.0 | 440.0 | 18637 | 0.0 | | | | 0 | 70 |
| 80 | -77.2 | 19 | .0 | 403.6 | 17835 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.2 | 0 | 0.0 | 411.7 | 17839 | 0.0 | | | | 0 | 80 |
| 90 | -78.1 | 19 | .0 | 388.4 | 17164 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.1 | 18 | .0 | 386.5 | 17166 | 0.0 | | | | 0 | 90 |
| 100 | -76.0 | 19 | .0 | 380.9 | 16559 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 17 | .0 | 379.4 | 16564 | 0.0 | | | | 0 | 100 |
| 110 | -75.5 | 19 | .0 | 371.7 | 16009 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 18 | .0 | 369.2 | 16013 | 0.0 | | | | 0 | 110 |
| 120 | -73.4 | 19 | .0 | 366.4 | 15503 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.2 | 17 | .0 | 364.9 | 15508 | 0.0 | | | | 0 | 120 |
| 130 | -71.3 | 19 | .0 | 361.8 | 15032 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.7 | 17 | .0 | 357.6 | 15041 | 0.0 | | | | 0 | 130 |
| 140 | -69.2 | 18 | .0 | 357.9 | 14592 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.0 | 17 | .0 | 354.7 | 14605 | 0.0 | | | | 0 | 140 |
| 150 | -67.2 | 18 | .0 | 354.3 | 14178 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.7 | 17 | .0 | 351.8 | 14194 | 0.0 | | | | 0 | 150 |
| 160 | -64.9 | 18 | .0 | 351.7 | 13787 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.6 | 17 | .0 | 350.5 | 13805 | 0.0 | | | | 0 | 160 |
| 170 | -62.5 | 18 | .0 | 349.8 | 13415 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.8 | 17 | .0 | 349.3 | 13434 | 0.0 | | | | 0 | 170 |
| 180 | -60.1 | 18 | .0 | 347.9 | 13060 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.0 | 17 | .0 | 348.1 | 13080 | 0.0 | | | | 0 | 180 |
| 190 | -57.4 | 18 | .0 | 347.0 | 12721 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.2 | 17 | .0 | 347.4 | 12740 | 0.0 | | | | 0 | 190 |
| 200 | -54.6 | 18 | .0 | 346.4 | 12395 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.5 | 16 | .0 | 346.6 | 12413 | 0.0 | | | | 0 | 200 |
| 225 | -48.3 | 17 | .0 | 344.7 | 11630 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.3 | 16 | .0 | 344.7 | 11649 | 0.0 | | | | 0 | 225 |
| 250 | -42.6 | 17 | .1 | 343.0 | 10928 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.3 | 15 | .1 | 343.4 | 10946 | 0.0 | | | | 0 | 250 |
| 275 | -37.5 | 17 | .1 | 341.3 | 10277 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.9 | 14 | .1 | 342.1 | 10294 | 0.0 | | | | 0 | 275 |
| 300 | -32.4 | 15 | .1 | 340.2 | 9670 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.0 | 14 | .1 | 340.8 | 9685 | 0.0 | | | | 0 | 300 |
| 325 | -27.7 | 13 | .2 | 339.1 | 9100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.4 | 13 | .2 | 339.6 | 9115 | 0.0 | | | | 0 | 325 |
| 350 | -23.4 | 11 | .2 | 338.0 | 8563 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.3 | 13 | .2 | 338.3 | 8577 | 0.0 | | | | 0 | 350 |
| 375 | -19.8 | 14 | .3 | 336.6 | 8054 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.5 | 14 | .3 | 337.0 | 8068 | 0.0 | | | | 0 | 375 |
| 400 | -17.2 | 25 | .6 | 335.0 | 7573 | 0.0 | 0 | 0.0 | 0.0 | 0 | -16.0 | 15 | .4 | 335.8 | 7585 | 0.0 | | | | 0 | 400 |
| 425 | -14.0 | 25 | .8 | 333.7 | 7116 | 0.0 | 0 | 0.0 | 0.0 | 0 | -13.3 | 32 | 1.0 | 335.6 | 7126 | 0.0 | | | | 0 | 425 |
| 450 | -10.8 | 16 | .6 | 331.9 | 6679 | 0.0 | 0 | 0.0 | 0.0 | 0 | -10.3 | 17 | .6 | 332.7 | 6689 | 0.0 | | | | 0 | 450 |
| 475 | -8.2 | 13 | .6 | 329.9 | 6261 | 0.0 | 0 | 0.0 | 0.0 | 0 | -7.7 | 15 | .7 | 330.9 | 6270 | 0.0 | | | | 0 | 475 |
| 500 | -5.8 | 11 | .5 | 328.0 | 5862 | 0.0 | 0 | 0.0 | 0.0 | 0 | -5.3 | 13 | .7 | 329.0 | 5869 | 0.0 | | | | 0 | 500 |
| 525 | -3.6 | 17 | .9 | 327.4 | 5478 | 0.0 | 0 | 0.0 | 0.0 | 0 | -3.0 | 11 | .7 | 327.2 | 5485 | 0.0 | | | | 0 | 525 |
| 550 | -1.7 | 26 | 1.6 | 327.7 | 5109 | 0.0 | 0 | 0.0 | 0.0 | 0 | -.7 | 16 | 1.0 | 326.9 | 5115 | 0.0 | | | | 0 | 550 |
| 575 | .2 | 36 | 2.4 | 328.3 | 4754 | 0.0 | 0 | 0.0 | 0.0 | 0 | 1.5 | 22 | 1.6 | 327.3 | 4759 | 0.0 | | | | 0 | 575 |
| 600 | 2.2 | 45 | 3.3 | 329.6 | 4411 | 0.0 | 0 | 0.0 | 0.0 | 0 | 3.3 | 23 | 1.9 | 326.3 | 4415 | 0.0 | | | | 0 | 600 |
| 625 | 4.4 | 53 | 4.4 | 331.8 | 4080 | 0.0 | 0 | 0.0 | 0.0 | 0 | 4.7 | 19 | 1.6 | 323.5 | 4084 | 0.0 | | | | 0 | 625 |
| 650 | 6.2 | 49 | 4.5 | 330.3 | 3759 | 0.0 | 0 | 0.0 | 0.0 | 0 | 7.0 | 23 | 2.2 | 324.3 | 3763 | 0.0 | | | | 0 | 650 |
| 675 | 7.9 | 34 | 3.4 | 325.5 | 3449 | 0.0 | 0 | 0.0 | 0.0 | 0 | 9.1 | 27 | 2.9 | 325.3 | 3451 | 0.0 | | | | 0 | 675 |
| 700 | 10.6 | 23 | 2.6 | 322.9 | 3148 | 0.0 | 0 | 0.0 | 0.0 | 0 | 11.2 | 31 | 3.6 | 326.6 | 3149 | 0.0 | | | | 0 | 700 |
| 725 | 11.3 | 35 | 4.0 | 324.7 | 2855 | 10.6 | 20 | 2.2 | 318.4 | 2859 | 13.2 | 29 | 3.8 | 326.1 | 2855 | 0.0 | | | | 0 | 725 |
| 750 | 13.1 | 23 | 2.9 | 320.1 | 2571 | 12.3 | 25 | 2.9 | 319.2 | 2576 | 13.5 | 33 | 4.3 | 324.9 | 2570 | 0.0 | | | | 0 | 750 |
| 775 | 14.5 | 33 | 4.4 | 323.2 | 2295 | 13.9 | 29 | 3.7 | 320.3 | 2301 | 14.9 | 31 | 4.2 | 323.0 | 2293 | 0.0 | | | | 0 | 775 |
| 800 | 15.5 | 51 | 7.1 | 329.1 | 2026 | 14.9 | 38 | 5.0 | 322.5 | 2033 | 15.1 | 39 | 5.3 | 323.7 | 2025 | 0.0 | | | | 0 | 800 |
| 825 | 15.4 | 82 | 11.0 | 337.2 | 1764 | 15.2 | 54 | 7.1 | 326.0 | 1772 | 15.1 | 68 | 8.9 | 330.9 | 1764 | 0.0 | | | | 0 | 825 |
| 850 | 16.3 | 84 | 11.7 | 337.2 | 1510 | 15.5 | 70 | 9.1 | 329.1 | 1518 | 17.6 | 92 | 13.9 | 345.1 | 1509 | 0.0 | | | | 0 | 850 |
| 875 | 17.3 | 85 | 12.1 | 336.7 | 1262 | 17.2 | 65 | 9.1 | 328.4 | 1271 | 18.8 | 84 | 13.3 | 341.7 | 1260 | 0.0 | | | | 0 | 875 |
| 900 | 18.3 | 85 | 12.6 | 336.4 | 1020 | 18.6 | 66 | 9.9 | 329.4 | 1030 | 20.0 | 79 | 12.9 | 339.4 | 1016 | 0.0 | | | | 0 | 900 |
| 925 | 19.6 | 86 | 13.4 | 337.5 | 784 | 20.0 | 67 | 10.8 | 330.9 | 794 | 21.5 | 82 | 14.6 | 343.1 | 779 | 0.0 | | | | 0 | 925 |
| 950 | 22.5 | 91 | 16.6 | 347.0 | 552 | 21.3 | 69 | 11.7 | 332.4 | 563 | 23.1 | 86 | 16.3 | 347.0 | 546 | 0.0 | | | | 0 | 950 |
| 975 | 24.5 | 80 | 16.2 | 346.0 | 324 | 22.6 | 71 | 12.7 | 334.1 | 336 | 25.6 | 76 | 16.3 | 347.6 | 317 | 0.0 | | | | 0 | 975 |
| 1000 | 26.6 | 79 | 17.6 | 349.9 | 101 | 27.7 | 79 | 18.8 | 354.6 | 113 | 28.1 | 76 | 18.5 | 354.5 | 93 | 0.0 | | | | 0 | 1000 |
| SFC. | 27.8 | 92 | 21.9 | 362.0 | 0 | 30.3 | 83 | 22.8 | 368.0 | 0 | 29.4 | 88 | 23.0 | 367.6 | 0 | 0.0 | | | | 0 | SFC. |
| | SURFACE PRESSURE | | | 1011.4 | | SURFACE PRESSURE | | | 1012.7 | | SURFACE PRESSURE | | | 1010.4 | | SURFACE PRESSURE | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/ 5 7 5 GMT | | | | | 3/ 5 1210 GMT | | | | | 3/ 5 1830 GMT | | | | | 3/ 6 0 8 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -67.3 | 0 | 0.0 | 460.3 | 19559 | -70.1 | 0 | 0.0 | 454.0 | 19365 | -64.9 | 0 | 0.0 | 465.6 | 19604 | -67.1 | 0 | 0.0 | 460.7 | 19429 | 60 |
| 70 | -67.0 | 0 | 0.0 | 441.0 | 18624 | -71.7 | 0 | 0.0 | 431.1 | 18452 | -64.9 | 0 | 0.0 | 445.7 | 18667 | -66.9 | 0 | 0.0 | 441.2 | 18499 | 70 |
| 80 | -74.5 | 15 | .0 | 409.1 | 17831 | -76.7 | 0 | 0.0 | 404.6 | 17673 | -72.6 | 0 | 0.0 | 413.0 | 17861 | -74.0 | 24 | .0 | 410.2 | 17701 | 80 |
| 90 | -78.9 | 15 | .0 | 386.8 | 17150 | -76.7 | 0 | 0.0 | 391.2 | 16997 | -76.4 | 17 | .0 | 391.8 | 17180 | -81.3 | 25 | .0 | 381.9 | 17030 | 90 |
| 100 | -81.2 | 15 | .0 | 370.9 | 16557 | -82.7 | 15 | .0 | 368.0 | 16397 | -80.7 | 17 | .0 | 371.9 | 16579 | -83.0 | 25 | .0 | 367.4 | 16443 | 100 |
| 110 | -79.1 | 15 | .0 | 364.8 | 16018 | -81.9 | 15 | .0 | 359.6 | 15865 | -77.6 | 17 | .0 | 367.6 | 16039 | -79.8 | 25 | .0 | 363.5 | 15908 | 110 |
| 120 | -77.3 | 14 | .0 | 359.3 | 15522 | -79.7 | 15 | .0 | 354.8 | 15375 | -74.3 | 17 | .0 | 364.7 | 15536 | -76.9 | 25 | .0 | 359.9 | 15412 | 120 |
| 130 | -73.9 | 14 | .0 | 357.1 | 15059 | -76.2 | 15 | .0 | 353.0 | 14918 | -72.9 | 17 | .0 | 358.9 | 15070 | -74.3 | 24 | .0 | 356.5 | 14949 | 130 |
| 140 | -70.5 | 14 | .0 | 355.6 | 14623 | -73.0 | 15 | .0 | 351.2 | 14487 | -69.9 | 17 | .0 | 356.8 | 14632 | -71.8 | 24 | .0 | 353.4 | 14514 | 140 |
| 150 | -67.3 | 15 | .0 | 354.2 | 14210 | -69.8 | 15 | .0 | 350.0 | 14079 | -67.0 | 17 | .0 | 354.7 | 14218 | -69.0 | 24 | .0 | 351.3 | 14105 | 150 |
| 160 | -64.3 | 15 | .0 | 352.8 | 13818 | -66.4 | 15 | .0 | 349.2 | 13692 | -63.4 | 17 | .0 | 354.3 | 13825 | -65.7 | 23 | .0 | 350.5 | 13716 | 160 |
| 170 | -61.5 | 15 | .0 | 351.4 | 13445 | -63.3 | 14 | .0 | 348.3 | 13322 | -60.0 | 16 | .0 | 353.8 | 13450 | -62.6 | 23 | .0 | 349.6 | 13345 | 170 |
| 180 | -58.0 | 14 | .0 | 351.3 | 13088 | -60.4 | 14 | .0 | 347.5 | 12968 | -57.8 | 16 | .0 | 351.8 | 13091 | -59.6 | 22 | .0 | 348.8 | 12990 | 180 |
| 190 | -54.3 | 13 | .0 | 352.0 | 12744 | -57.6 | 14 | .0 | 346.7 | 12629 | -55.7 | 16 | .0 | 349.7 | 12749 | -56.8 | 22 | .0 | 347.9 | 12650 | 190 |
| 200 | -51.7 | 13 | .0 | 350.9 | 12414 | -54.9 | 14 | .0 | 346.0 | 12303 | -52.9 | 16 | .0 | 349.1 | 12420 | -54.2 | 22 | .0 | 347.0 | 12323 | 200 |
| 225 | -45.9 | 12 | .0 | 348.4 | 11640 | -48.6 | 15 | .0 | 344.2 | 11540 | -46.6 | 15 | .0 | 347.3 | 11649 | -48.3 | 22 | .0 | 344.7 | 11557 | 225 |
| 250 | -40.6 | 11 | .0 | 345.9 | 10930 | -43.0 | 15 | .1 | 342.4 | 10838 | -40.8 | 15 | .1 | 345.8 | 10941 | -43.0 | 22 | .1 | 342.5 | 10855 | 250 |
| 275 | -35.8 | 10 | .1 | 343.6 | 10275 | -37.9 | 16 | .1 | 340.7 | 10189 | -35.3 | 15 | .1 | 344.6 | 10285 | -37.6 | 21 | .1 | 341.2 | 10206 | 275 |
| 300 | -30.8 | 10 | .1 | 342.4 | 9664 | -33.1 | 17 | .1 | 339.3 | 9583 | -29.8 | 15 | .2 | 344.1 | 9672 | -32.3 | 20 | .2 | 340.5 | 9599 | 300 |
| 325 | -26.2 | 10 | .1 | 341.1 | 9090 | -29.1 | 14 | .1 | 337.1 | 9016 | -25.3 | 14 | .2 | 342.7 | 9095 | -27.4 | 19 | .2 | 339.8 | 9029 | 325 |
| 350 | -23.1 | 10 | .2 | 338.3 | 8551 | -25.5 | 11 | .2 | 335.0 | 8482 | -22.5 | 15 | .3 | 339.5 | 8555 | -24.5 | 18 | .3 | 336.8 | 8492 | 350 |
| 375 | -19.5 | 10 | .2 | 336.6 | 8042 | -20.9 | 10 | .2 | 334.7 | 7977 | -18.4 | 15 | .3 | 338.6 | 8044 | -20.6 | 18 | .4 | 335.8 | 7985 | 375 |
| 400 | -15.7 | 10 | .3 | 335.7 | 7559 | -16.7 | 10 | .3 | 334.3 | 7496 | -14.6 | 14 | .4 | 337.7 | 7559 | -16.6 | 18 | .5 | 335.2 | 7504 | 400 |
| 425 | -12.4 | 10 | .3 | 334.5 | 7099 | -13.8 | 10 | .3 | 332.5 | 7038 | -11.0 | 14 | .5 | 336.9 | 7097 | -13.0 | 17 | .6 | 334.5 | 7045 | 425 |
| 450 | -9.2 | 10 | .4 | 333.3 | 6660 | -11.3 | 10 | .4 | 330.5 | 6602 | -10.4 | 16 | .6 | 332.6 | 6657 | -10.2 | 18 | .7 | 333.2 | 6607 | 450 |
| 475 | -8.2 | 17 | .7 | 330.5 | 6241 | -9.5 | 14 | .5 | 328.2 | 6185 | -9.6 | 20 | .8 | 329.0 | 6241 | -9.9 | 25 | .9 | 329.1 | 6190 | 475 |
| 500 | -6.0 | 18 | .9 | 328.9 | 5841 | -8.9 | 19 | .7 | 324.7 | 5789 | -7.7 | 24 | 1.0 | 327.4 | 5843 | -8.7 | 30 | 1.2 | 326.6 | 5794 | 500 |
| 525 | -3.5 | 17 | .9 | 327.5 | 5458 | -6.5 | 19 | .8 | 323.6 | 5410 | -4.7 | 26 | 1.3 | 327.4 | 5461 | -6.0 | 31 | 1.4 | 326.3 | 5414 | 525 |
| 550 | -1.3 | 24 | 1.5 | 327.8 | 5089 | -3.9 | 20 | 1.0 | 323.0 | 5044 | -1.9 | 25 | 1.5 | 327.1 | 5093 | -3.4 | 32 | 1.8 | 326.1 | 5048 | 550 |
| 575 | .4 | 47 | 3.2 | 331.2 | 4733 | -1.1 | 33 | 2.0 | 325.5 | 4692 | .6 | 24 | 1.7 | 326.6 | 4738 | -.9 | 34 | 2.1 | 326.0 | 4694 | 575 |
| 600 | 1.6 | 51 | 3.6 | 329.8 | 4391 | .8 | 37 | 2.5 | 325.4 | 4351 | 2.6 | 26 | 2.0 | 325.8 | 4395 | 1.3 | 35 | 2.5 | 325.8 | 4353 | 600 |
| 625 | 4.0 | 49 | 4.0 | 330.1 | 4060 | 2.5 | 38 | 2.8 | 324.3 | 4022 | 4.1 | 29 | 2.4 | 325.0 | 4064 | 3.4 | 36 | 2.8 | 325.6 | 4023 | 625 |
| 650 | 6.2 | 49 | 4.4 | 330.2 | 3739 | 4.3 | 50 | 4.0 | 326.7 | 3704 | 5.9 | 31 | 2.8 | 324.7 | 3745 | 5.3 | 38 | 3.2 | 325.5 | 3704 | 650 |
| 675 | 8.3 | 48 | 4.8 | 330.3 | 3429 | 6.2 | 50 | 4.4 | 326.4 | 3395 | 8.2 | 32 | 3.2 | 325.4 | 3434 | 7.2 | 39 | 3.7 | 325.5 | 3395 | 675 |
| 700 | 10.4 | 44 | 5.0 | 329.7 | 3127 | 8.1 | 48 | 4.6 | 326.0 | 3096 | 10.4 | 32 | 3.6 | 325.6 | 3133 | 9.0 | 40 | 4.1 | 325.6 | 3094 | 700 |
| 725 | 12.8 | 29 | 3.7 | 325.5 | 2834 | 10.1 | 33 | 3.5 | 321.6 | 2805 | 12.3 | 28 | 3.5 | 324.1 | 2840 | 10.8 | 38 | 4.3 | 324.8 | 2803 | 725 |
| 750 | 14.7 | 32 | 4.5 | 327.0 | 2548 | 13.3 | 14 | 1.8 | 316.9 | 2522 | 14.1 | 24 | 3.2 | 322.3 | 2555 | 12.7 | 28 | 3.4 | 321.3 | 2519 | 750 |
| 775 | 15.3 | 22 | 3.0 | 320.0 | 2271 | 14.5 | 16 | 2.1 | 316.4 | 2246 | 15.9 | 20 | 2.9 | 320.4 | 2278 | 14.2 | 27 | 3.5 | 320.3 | 2243 | 775 |
| 800 | 16.0 | 53 | 7.5 | 331.0 | 2001 | 14.6 | 37 | 4.8 | 321.6 | 1978 | 16.7 | 28 | 4.1 | 322.0 | 2008 | 15.4 | 34 | 4.7 | 322.3 | 1975 | 800 |
| 825 | 16.5 | 57 | 8.2 | 330.5 | 1739 | 12.4 | 69 | 7.6 | 324.1 | 1719 | 16.3 | 48 | 6.8 | 326.5 | 1746 | 15.4 | 43 | 5.7 | 322.3 | 1714 | 825 |
| 850 | 17.3 | 91 | 13.4 | 343.2 | 1484 | 13.5 | 80 | 9.2 | 326.9 | 1468 | 14.9 | 76 | 9.6 | 329.6 | 1493 | 14.6 | 55 | 6.8 | 321.5 | 1461 | 850 |
| 875 | 18.8 | 89 | 14.1 | 344.0 | 1235 | 15.7 | 87 | 11.2 | 332.1 | 1222 | 17.2 | 71 | 10.1 | 331.0 | 1246 | 15.2 | 75 | 9.3 | 326.4 | 1215 | 875 |
| 900 | 20.2 | 88 | 14.7 | 344.8 | 991 | 17.6 | 87 | 12.4 | 335.0 | 981 | 19.5 | 66 | 10.5 | 332.1 | 1004 | 16.9 | 74 | 10.0 | 327.6 | 975 | 900 |
| 925 | 21.6 | 87 | 15.4 | 345.5 | 753 | 19.6 | 87 | 13.6 | 338.0 | 745 | 20.6 | 71 | 11.9 | 334.6 | 767 | 18.6 | 73 | 10.7 | 328.8 | 740 | 925 |
| 950 | 23.0 | 85 | 16.0 | 346.2 | 520 | 21.5 | 87 | 14.9 | 341.3 | 514 | 21.5 | 74 | 12.7 | 335.3 | 535 | 20.3 | 72 | 11.3 | 330.0 | 510 | 950 |
| 975 | 24.3 | 84 | 16.7 | 347.0 | 292 | 23.3 | 87 | 16.3 | 344.6 | 287 | 23.3 | 71 | 13.3 | 336.6 | 309 | 22.8 | 73 | 13.2 | 335.7 | 285 | 975 |
| 1000 | 25.6 | 82 | 17.3 | 347.7 | 69 | 25.1 | 87 | 17.7 | 348.2 | 64 | 25.5 | 72 | 15.0 | 341.3 | 86 | 26.2 | 78 | 16.9 | 347.6 | 62 | 1000 |
| SFC. | 26.0 | 82 | 17.5 | 347.9 | 0 | 25.6 | 87 | 18.1 | 349.2 | 0 | 26.3 | 80 | 17.3 | 347.7 | 0 | 27.2 | 79 | 18.1 | 351.3 | 0 | SFC. |
| | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1007.3 | | | | | SURFACE PRESSURE 1009.8 | | | | | SURFACE PRESSURE 1007.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/ 6 1240 GMT | | | | | 3/ 6 18 5 GMT | | | | | 3/ 7 0 0 GMT | | | | | 3/ 7 655 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -68.7 | 0 | 0.0 | 457.1 | 19376 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.6 | 0 | 0.0 | 468.6 | 19525 | -64.8 | 0 | 0.0 | 465.9 | 19506 | 60 |
| 70 | -71.8 | 0 | 0.0 | 430.8 | 18458 | -67.3 | 0 | 0.0 | 440.4 | 18601 | -68.5 | 0 | 0.0 | 437.9 | 18592 | -69.2 | 32 | .0 | 436.5 | 18577 | 70 |
| 80 | -77.1 | 25 | .0 | 403.9 | 17672 | -71.3 | 0 | 0.0 | 415.7 | 17802 | -70.5 | 0 | 0.0 | 417.3 | 17799 | -72.4 | 32 | .0 | 413.4 | 17789 | 80 |
| 90 | -80.4 | 26 | .0 | 383.8 | 17004 | -78.0 | 18 | .0 | 388.5 | 17117 | -74.5 | 19 | .0 | 395.6 | 17104 | -78.3 | 32 | .0 | 388.0 | 17104 | 90 |
| 100 | -83.8 | 26 | .0 | 365.8 | 16420 | -81.9 | 18 | .0 | 369.5 | 16523 | -80.9 | 20 | .0 | 371.4 | 16501 | -81.2 | 32 | .0 | 370.9 | 16505 | 100 |
| 110 | -80.9 | 26 | .0 | 361.5 | 15887 | -79.3 | 18 | .0 | 364.4 | 15985 | -79.7 | 20 | .0 | 363.7 | 15965 | -80.1 | 32 | .0 | 363.0 | 15968 | 110 |
| 120 | -78.3 | 25 | .0 | 357.4 | 15394 | -77.0 | 19 | .0 | 359.8 | 15489 | -76.8 | 20 | .0 | 360.1 | 15468 | -77.5 | 32 | .0 | 358.9 | 15473 | 120 |
| 130 | -75.1 | 25 | .0 | 354.9 | 14934 | -73.9 | 19 | .0 | 357.1 | 15025 | -74.1 | 20 | .0 | 356.7 | 15005 | -74.3 | 33 | .0 | 356.4 | 15011 | 130 |
| 140 | -72.0 | 24 | .0 | 353.1 | 14500 | -70.8 | 18 | .0 | 355.2 | 14590 | -71.7 | 20 | .0 | 353.6 | 14570 | -71.4 | 34 | .0 | 354.0 | 14576 | 140 |
| 150 | -69.0 | 24 | .0 | 351.3 | 14091 | -67.8 | 18 | .0 | 353.3 | 14178 | -68.9 | 20 | .0 | 351.5 | 14161 | -68.5 | 34 | .0 | 352.2 | 14166 | 150 |
| 160 | -66.2 | 24 | .0 | 349.7 | 13702 | -64.9 | 18 | .0 | 351.8 | 13787 | -65.8 | 20 | .0 | 350.3 | 13772 | -65.3 | 33 | .0 | 351.2 | 13776 | 160 |
| 170 | -63.4 | 24 | .0 | 348.3 | 13332 | -62.0 | 18 | .0 | 350.6 | 13415 | -62.8 | 20 | .0 | 349.3 | 13401 | -62.3 | 32 | .0 | 350.2 | 13404 | 170 |
| 180 | -60.7 | 24 | .0 | 347.1 | 12979 | -59.0 | 18 | .0 | 349.7 | 13059 | -59.7 | 19 | .0 | 348.6 | 13046 | -59.4 | 32 | .0 | 349.2 | 13048 | 180 |
| 190 | -58.0 | 25 | .0 | 346.1 | 12640 | -56.2 | 18 | .0 | 348.9 | 12717 | -56.8 | 19 | .0 | 347.9 | 12706 | -56.7 | 31 | .0 | 348.1 | 12708 | 190 |
| 200 | -55.4 | 25 | .0 | 345.2 | 12315 | -53.6 | 18 | .0 | 348.1 | 12390 | -54.1 | 18 | .0 | 347.2 | 12379 | -54.2 | 31 | .0 | 347.1 | 12381 | 200 |
| 225 | -49.5 | 26 | .0 | 342.8 | 11554 | -47.5 | 17 | .0 | 345.9 | 11622 | -47.7 | 18 | .0 | 345.7 | 11612 | -47.8 | 31 | .1 | 345.5 | 11615 | 225 |
| 250 | -44.3 | 27 | .1 | 340.6 | 10856 | -42.0 | 17 | .1 | 343.9 | 10917 | -41.9 | 18 | .1 | 344.1 | 10908 | -41.8 | 32 | .1 | 344.5 | 10910 | 250 |
| 275 | -38.6 | 24 | .1 | 339.8 | 10210 | -37.1 | 17 | .1 | 341.9 | 10265 | -36.7 | 18 | .1 | 342.5 | 10255 | -37.0 | 31 | .2 | 342.4 | 10258 | 275 |
| 300 | -32.9 | 19 | .2 | 339.7 | 9605 | -32.2 | 17 | .1 | 340.6 | 9657 | -31.9 | 18 | .2 | 341.0 | 9646 | -32.3 | 30 | .3 | 340.8 | 9650 | 300 |
| 325 | -28.1 | 16 | .2 | 338.8 | 9036 | -27.0 | 16 | .2 | 340.3 | 9086 | -27.4 | 18 | .2 | 339.9 | 9075 | -27.7 | 30 | .4 | 339.9 | 9080 | 325 |
| 350 | -24.1 | 14 | .2 | 337.2 | 8499 | -22.3 | 15 | .3 | 339.9 | 8547 | -22.4 | 17 | .3 | 339.9 | 8537 | -23.5 | 29 | .5 | 339.0 | 8543 | 350 |
| 375 | -20.2 | 14 | .3 | 336.0 | 7992 | -18.3 | 15 | .3 | 338.7 | 8036 | -18.0 | 16 | .4 | 339.3 | 8025 | -19.4 | 29 | .6 | 338.4 | 8034 | 375 |
| 400 | -16.2 | 14 | .4 | 335.4 | 7510 | -15.1 | 13 | .4 | 336.9 | 7551 | -15.0 | 14 | .4 | 337.1 | 7540 | -15.4 | 30 | .9 | 338.2 | 7551 | 400 |
| 425 | -13.9 | 15 | .5 | 332.9 | 7053 | -13.0 | 14 | .5 | 334.1 | 7091 | -12.3 | 15 | .5 | 335.2 | 7079 | -13.3 | 29 | .9 | 335.3 | 7091 | 425 |
| 450 | -11.0 | 14 | .5 | 331.4 | 6615 | -10.5 | 14 | .5 | 332.1 | 6653 | -10.1 | 16 | .6 | 332.8 | 6640 | -10.7 | 27 | 1.0 | 333.5 | 6654 | 450 |
| 475 | -10.2 | 16 | .6 | 327.5 | 6200 | -8.8 | 15 | .6 | 329.4 | 6236 | -8.3 | 15 | .6 | 330.0 | 6222 | -7.9 | 26 | 1.2 | 332.4 | 6236 | 475 |
| 500 | -8.4 | 18 | .7 | 325.4 | 5803 | -6.6 | 16 | .7 | 327.6 | 5837 | -6.1 | 14 | .7 | 328.2 | 5823 | -5.6 | 25 | 1.3 | 330.7 | 5835 | 500 |
| 525 | -5.7 | 17 | .8 | 324.4 | 5423 | -4.4 | 16 | .9 | 326.3 | 5455 | -3.1 | 16 | .9 | 327.9 | 5439 | -3.6 | 25 | 1.4 | 329.0 | 5452 | 525 |
| 550 | -3.2 | 24 | 1.3 | 324.9 | 5057 | -2.9 | 20 | 1.1 | 324.6 | 5087 | -1.4 | 17 | 1.1 | 326.2 | 5069 | -.8 | 25 | 1.6 | 328.7 | 5082 | 550 |
| 575 | -.7 | 33 | 2.1 | 326.1 | 4703 | .1 | 24 | 1.6 | 325.5 | 4733 | .1 | 18 | 1.2 | 324.4 | 4714 | .3 | 30 | 2.0 | 327.1 | 4726 | 575 |
| 600 | .9 | 36 | 2.5 | 325.4 | 4362 | 2.4 | 25 | 1.9 | 325.4 | 4391 | 2.7 | 20 | 1.6 | 324.6 | 4372 | 2.0 | 33 | 2.5 | 326.6 | 4384 | 600 |
| 625 | 3.0 | 32 | 2.4 | 323.9 | 4033 | 3.9 | 24 | 2.0 | 323.4 | 4060 | 4.6 | 21 | 1.8 | 323.9 | 4040 | 3.8 | 37 | 3.0 | 326.5 | 4053 | 625 |
| 650 | 5.0 | 28 | 2.4 | 322.4 | 3714 | 5.3 | 23 | 2.0 | 321.5 | 3741 | 6.2 | 22 | 2.0 | 322.8 | 3720 | 5.5 | 41 | 3.5 | 326.5 | 3734 | 650 |
| 675 | 7.0 | 33 | 3.1 | 323.3 | 3405 | 6.8 | 39 | 3.6 | 324.6 | 3432 | 7.7 | 23 | 2.2 | 321.7 | 3410 | 7.1 | 44 | 4.1 | 326.7 | 3424 | 675 |
| 700 | 8.9 | 42 | 4.3 | 325.8 | 3105 | 9.4 | 37 | 3.9 | 325.3 | 3131 | 10.1 | 22 | 2.5 | 321.8 | 3109 | 9.5 | 42 | 4.5 | 327.2 | 3124 | 700 |
| 725 | 10.9 | 43 | 4.8 | 326.6 | 2814 | 12.2 | 31 | 3.8 | 324.9 | 2839 | 12.4 | 22 | 2.7 | 321.9 | 2816 | 12.3 | 38 | 4.7 | 327.6 | 2831 | 725 |
| 750 | 13.1 | 33 | 4.1 | 323.9 | 2530 | 14.7 | 26 | 3.6 | 324.0 | 2554 | 14.6 | 21 | 2.9 | 322.0 | 2531 | 14.7 | 34 | 4.8 | 327.7 | 2546 | 750 |
| 775 | 15.3 | 23 | 3.2 | 320.6 | 2253 | 16.3 | 22 | 3.3 | 321.9 | 2276 | 16.0 | 25 | 3.7 | 322.7 | 2254 | 16.0 | 35 | 5.1 | 327.0 | 2268 | 775 |
| 800 | 16.3 | 33 | 4.8 | 323.4 | 1984 | 16.2 | 37 | 5.4 | 325.0 | 2006 | 16.7 | 32 | 4.7 | 323.7 | 1984 | 17.1 | 36 | 5.5 | 326.4 | 1997 | 800 |
| 825 | 17.3 | 43 | 6.4 | 326.3 | 1722 | 14.5 | 72 | 9.1 | 330.8 | 1745 | 16.2 | 50 | 7.1 | 327.1 | 1722 | 15.9 | 73 | 10.1 | 335.2 | 1735 | 825 |
| 850 | 15.2 | 74 | 9.5 | 329.7 | 1467 | 15.2 | 79 | 10.1 | 331.4 | 1492 | 16.2 | 65 | 8.9 | 329.4 | 1468 | 16.0 | 96 | 13.0 | 340.3 | 1481 | 850 |
| 875 | 15.5 | 96 | 12.3 | 335.1 | 1221 | 16.7 | 74 | 10.2 | 330.7 | 1245 | 18.2 | 61 | 9.2 | 329.8 | 1220 | 17.5 | 97 | 14.0 | 342.1 | 1233 | 875 |
| 900 | 17.6 | 91 | 12.9 | 336.3 | 980 | 18.4 | 73 | 10.8 | 331.8 | 1004 | 19.5 | 65 | 10.3 | 331.4 | 978 | 18.9 | 97 | 15.1 | 344.0 | 990 | 900 |
| 925 | 19.5 | 86 | 13.4 | 337.3 | 744 | 20.5 | 72 | 11.8 | 334.1 | 767 | 20.6 | 69 | 11.4 | 333.4 | 741 | 20.3 | 98 | 16.2 | 346.0 | 753 | 925 |
| 950 | 21.4 | 81 | 13.8 | 338.2 | 513 | 22.4 | 68 | 12.3 | 335.3 | 535 | 21.9 | 71 | 12.5 | 335.2 | 509 | 21.8 | 98 | 17.2 | 347.9 | 521 | 950 |
| 975 | 23.3 | 76 | 14.2 | 338.9 | 286 | 22.9 | 78 | 14.2 | 338.6 | 309 | 23.8 | 67 | 12.8 | 335.8 | 282 | 23.7 | 90 | 17.2 | 347.7 | 294 | 975 |
| 1000 | 25.1 | 71 | 14.5 | 339.3 | 64 | 25.5 | 76 | 15.8 | 343.6 | 86 | 28.7 | 68 | 17.0 | 351.0 | 59 | 25.7 | 83 | 17.6 | 348.6 | 71 | 1000 |
| SFC. | 25.6 | 70 | 14.5 | 339.4 | 0 | 26.4 | 78 | 17.0 | 346.9 | 0 | 30.6 | 69 | 19.3 | 359.3 | 0 | 26.4 | 82 | 17.9 | 349.6 | 0 | SFC. |
| | SURFACE PRESSURE 1007.3 | | | | | SURFACE PRESSURE 1009.8 | | | | | SURFACE PRESSURE 1006.6 | | | | | SURFACE PRESSURE 1008.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/ 7 935 GMT | | | | | 3/ 7 1220 GMT | | | | | 3/ 7 2015 GMT | | | | | 3/ 8 125 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -64.7 | 0 | 0.0 | 466.1 | 19583 | -67.8 | 0 | 0.0 | 459.2 | 19435 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -69.2 | 0 | 0.0 | 436.3 | 18653 | -72.8 | 0 | 0.0 | 428.7 | 18518 | -70.1 | 0 | 0.0 | 434.3 | 18528 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -72.2 | 25 | .0 | 413.8 | 17862 | -74.1 | 0 | 0.0 | 409.9 | 17741 | -75.3 | 25 | .0 | 407.5 | 17742 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -76.3 | 25 | .0 | 391.9 | 17175 | -80.0 | 35 | .0 | 384.7 | 17066 | -77.5 | 27 | .0 | 389.5 | 17059 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -79.8 | 25 | .0 | 373.5 | 16574 | -80.7 | 35 | .0 | 371.8 | 16471 | -81.2 | 27 | .0 | 370.9 | 16465 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -79.5 | 25 | .0 | 364.2 | 16034 | -78.9 | 34 | .0 | 365.2 | 15931 | -81.2 | 27 | .0 | 360.9 | 15929 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -76.8 | 25 | .0 | 360.1 | 15538 | -77.3 | 34 | .0 | 359.2 | 15434 | -77.7 | 27 | .0 | 358.4 | 15435 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -73.8 | 24 | .0 | 357.3 | 15074 | -74.5 | 34 | .0 | 356.0 | 14972 | -74.6 | 27 | .0 | 356.0 | 14973 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -71.1 | 23 | .0 | 354.6 | 14639 | -72.0 | 35 | .0 | 353.1 | 14538 | -71.6 | 26 | .0 | 353.7 | 14539 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.3 | 23 | .0 | 352.5 | 14228 | -69.0 | 35 | .0 | 351.3 | 14129 | -68.9 | 26 | .0 | 351.5 | 14129 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.0 | 23 | .0 | 351.6 | 13837 | -65.8 | 35 | .0 | 350.3 | 13740 | -66.1 | 26 | .0 | 349.8 | 13741 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -61.9 | 22 | .0 | 350.7 | 13465 | -62.8 | 35 | .0 | 349.3 | 13369 | -63.2 | 26 | .0 | 348.6 | 13370 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.0 | 22 | .0 | 349.8 | 13109 | -59.9 | 35 | .0 | 348.3 | 13014 | -60.5 | 26 | .0 | 347.4 | 13017 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -56.3 | 21 | .0 | 348.8 | 12768 | -57.2 | 35 | .0 | 347.4 | 12675 | -57.9 | 27 | .0 | 346.3 | 12678 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -53.7 | 21 | .0 | 347.9 | 12440 | -54.6 | 35 | .0 | 346.4 | 12348 | -55.4 | 27 | .0 | 345.2 | 12353 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -47.1 | 20 | .0 | 346.5 | 11672 | -48.4 | 35 | .1 | 344.6 | 11584 | -49.0 | 27 | .1 | 343.6 | 11591 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -41.2 | 19 | .1 | 345.2 | 10965 | -42.7 | 36 | .1 | 343.1 | 10882 | -42.9 | 26 | .1 | 342.6 | 10890 | -41.5 | 14 | .1 | 344.7 | 10931 | 250 |
| 275 | -35.8 | 18 | .1 | 343.8 | 10310 | -37.5 | 37 | .2 | 341.7 | 10231 | -37.4 | 25 | .1 | 341.6 | 10240 | -35.9 | 14 | .1 | 343.5 | 10277 | 275 |
| 300 | -30.9 | 17 | .2 | 342.5 | 9699 | -32.8 | 37 | .3 | 340.4 | 9625 | -32.4 | 25 | .2 | 340.6 | 9633 | -30.9 | 14 | .1 | 342.4 | 9666 | 300 |
| 325 | -27.0 | 17 | .2 | 340.4 | 9126 | -28.4 | 38 | .4 | 339.2 | 9056 | -27.8 | 24 | .3 | 339.6 | 9063 | -26.1 | 14 | .2 | 341.5 | 9093 | 325 |
| 350 | -22.6 | 16 | .3 | 339.5 | 8587 | -24.2 | 23 | .4 | 337.5 | 8520 | -23.6 | 24 | .4 | 338.5 | 8526 | -21.6 | 13 | .3 | 340.7 | 8552 | 350 |
| 375 | -18.2 | 15 | .4 | 338.9 | 8077 | -19.9 | 20 | .4 | 336.9 | 8013 | -19.9 | 23 | .5 | 337.1 | 8018 | -17.5 | 13 | .3 | 339.8 | 8039 | 375 |
| 400 | -14.1 | 13 | .4 | 338.3 | 7591 | -15.9 | 17 | .5 | 336.1 | 7530 | -16.4 | 22 | .6 | 335.8 | 7535 | -14.2 | 13 | .4 | 338.2 | 7553 | 400 |
| 425 | -11.6 | 13 | .5 | 336.0 | 7128 | -12.9 | 16 | .5 | 334.4 | 7071 | -13.2 | 21 | .7 | 334.6 | 7077 | -10.9 | 12 | .5 | 336.7 | 7090 | 425 |
| 450 | -9.5 | 14 | .6 | 333.4 | 6689 | -10.9 | 17 | .6 | 331.9 | 6633 | -10.4 | 20 | .8 | 332.9 | 6639 | -7.9 | 10 | .5 | 335.2 | 6648 | 450 |
| 475 | -7.0 | 14 | .7 | 331.8 | 6269 | -8.3 | 18 | .8 | 330.5 | 6216 | -9.3 | 20 | .8 | 329.3 | 6222 | -6.7 | 12 | .6 | 331.8 | 6227 | 475 |
| 500 | -4.2 | 13 | .7 | 330.7 | 5867 | -5.3 | 17 | .9 | 329.8 | 5816 | -6.1 | 19 | .9 | 328.9 | 5823 | -4.5 | 11 | .6 | 329.9 | 5825 | 500 |
| 525 | -1.6 | 13 | .8 | 329.6 | 5481 | -3.6 | 16 | .9 | 327.3 | 5431 | -3.4 | 19 | 1.1 | 328.2 | 5439 | -2.1 | 11 | .7 | 328.3 | 5439 | 525 |
| 550 | .9 | 12 | .9 | 328.5 | 5109 | -.8 | 16 | 1.0 | 326.8 | 5062 | -1.7 | 19 | 1.2 | 326.2 | 5070 | .1 | 10 | .7 | 326.8 | 5068 | 550 |
| 575 | 2.4 | 13 | 1.0 | 326.5 | 4750 | .1 | 19 | 1.3 | 324.5 | 4706 | -1.8 | 30 | 1.7 | 323.8 | 4716 | .7 | 15 | 1.0 | 324.4 | 4712 | 575 |
| 600 | 3.7 | 15 | 1.3 | 324.8 | 4406 | 1.6 | 23 | 1.6 | 323.5 | 4365 | .5 | 30 | 2.0 | 323.4 | 4376 | 2.4 | 18 | 1.4 | 323.7 | 4369 | 600 |
| 625 | 5.8 | 17 | 1.6 | 324.6 | 4074 | 4.1 | 26 | 2.1 | 324.3 | 4035 | 2.8 | 30 | 2.3 | 323.1 | 4047 | 4.9 | 19 | 1.6 | 323.5 | 4038 | 625 |
| 650 | 7.9 | 19 | 1.9 | 324.5 | 3752 | 6.3 | 25 | 2.3 | 323.7 | 3715 | 5.0 | 31 | 2.5 | 322.9 | 3728 | 7.0 | 18 | 1.7 | 322.8 | 3717 | 650 |
| 675 | 9.5 | 20 | 2.2 | 323.6 | 3440 | 8.3 | 25 | 2.5 | 323.2 | 3404 | 7.0 | 31 | 2.9 | 322.8 | 3419 | 9.1 | 18 | 1.9 | 322.2 | 3406 | 675 |
| 700 | 11.1 | 19 | 2.3 | 322.3 | 3137 | 10.3 | 24 | 2.7 | 322.7 | 3103 | 9.0 | 31 | 3.2 | 322.7 | 3119 | 11.1 | 17 | 2.0 | 321.5 | 3104 | 700 |
| 725 | 13.6 | 16 | 2.2 | 321.6 | 2844 | 12.3 | 23 | 2.9 | 322.3 | 2810 | 11.0 | 31 | 3.5 | 322.7 | 2828 | 13.1 | 16 | 2.1 | 320.9 | 2810 | 725 |
| 750 | 15.7 | 15 | 2.2 | 320.8 | 2557 | 13.9 | 24 | 3.2 | 321.8 | 2525 | 12.6 | 32 | 3.9 | 322.7 | 2544 | 14.8 | 16 | 2.3 | 320.1 | 2525 | 750 |
| 775 | 16.7 | 17 | 2.6 | 320.2 | 2279 | 15.1 | 26 | 3.6 | 321.5 | 2248 | 14.1 | 34 | 4.4 | 322.7 | 2268 | 15.2 | 33 | 4.6 | 324.6 | 2248 | 775 |
| 800 | 17.7 | 19 | 3.0 | 319.7 | 2009 | 16.0 | 32 | 4.5 | 322.3 | 1979 | 15.5 | 35 | 4.9 | 322.8 | 2000 | 16.0 | 62 | 8.9 | 335.0 | 1978 | 800 |
| 825 | 15.6 | 43 | 5.8 | 322.8 | 1746 | 14.6 | 79 | 10.0 | 333.5 | 1718 | 17.0 | 37 | 5.4 | 323.1 | 1738 | 17.3 | 64 | 9.6 | 335.7 | 1716 | 825 |
| 850 | 16.2 | 96 | 13.2 | 341.3 | 1492 | 15.2 | 94 | 12.1 | 337.0 | 1465 | 14.4 | 68 | 8.3 | 325.4 | 1485 | 18.8 | 61 | 9.9 | 335.2 | 1459 | 850 |
| 875 | 18.4 | 92 | 14.2 | 343.9 | 1244 | 17.0 | 89 | 12.5 | 337.5 | 1218 | 16.4 | 65 | 8.7 | 326.3 | 1238 | 19.0 | 69 | 11.0 | 335.8 | 1210 | 875 |
| 900 | 20.1 | 89 | 14.9 | 345.1 | 1000 | 18.6 | 87 | 13.2 | 338.3 | 976 | 18.3 | 62 | 9.2 | 327.0 | 998 | 19.9 | 73 | 11.9 | 336.4 | 967 | 900 |
| 925 | 21.8 | 87 | 15.6 | 346.3 | 762 | 19.7 | 91 | 14.3 | 340.1 | 739 | 19.6 | 68 | 10.7 | 330.0 | 762 | 21.2 | 72 | 12.5 | 337.0 | 730 | 925 |
| 950 | 23.4 | 84 | 16.2 | 347.4 | 529 | 21.0 | 93 | 15.5 | 342.2 | 508 | 20.8 | 75 | 12.4 | 333.5 | 531 | 22.5 | 72 | 13.1 | 337.6 | 497 | 950 |
| 975 | 25.0 | 81 | 16.9 | 348.4 | 301 | 23.5 | 85 | 16.1 | 344.3 | 281 | 22.8 | 71 | 12.9 | 334.7 | 305 | 23.8 | 71 | 13.7 | 338.3 | 270 | 975 |
| 1000 | 26.3 | 80 | 17.5 | 349.2 | 77 | 25.7 | 82 | 17.3 | 347.9 | 58 | 25.7 | 72 | 15.2 | 342.2 | 83 | 25.4 | 76 | 15.7 | 343.0 | 48 | 1000 |
| SFC. | 26.1 | 83 | 17.8 | 348.8 | 0 | 26.2 | 83 | 17.9 | 349.6 | 0 | 27.3 | 80 | 18.4 | 352.0 | 0 | 26.2 | 85 | 18.4 | 351.0 | 0 | SFC. |
| | SURFACE PRESSURE 1008.7 | | | | | SURFACE PRESSURE 1006.6 | | | | | SURFACE PRESSURE 1009.4 | | | | | SURFACE PRESSURE 1005.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/ 8 710 GMT | | | | | 3/ 8 1230 GMT | | | | | 3/ 8 1525 GMT | | | | | 3/ 8 18 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -68.2 | 0 | 0.0 | 458.3 | 19611 | -69.0 | 0 | 0.0 | 456.5 | 19448 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.5 | 0 | 0.0 | 459.8 | 19613 | 60 |
| 70 | -69.0 | 0 | 0.0 | 436.8 | 18684 | -67.2 | 0 | 0.0 | 440.6 | 18525 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.7 | 0 | 0.0 | 439.7 | 18684 | 70 |
| 80 | -73.3 | 0 | 0.0 | 411.6 | 17892 | -71.3 | 0 | 0.0 | 415.7 | 17730 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.6 | 0 | 0.0 | 417.2 | 17890 | 80 |
| 90 | -80.0 | 20 | .0 | 384.6 | 17216 | -80.9 | 0 | 0.0 | 382.9 | 17051 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.7 | 18 | .0 | 393.1 | 17198 | 90 |
| 100 | -79.0 | 20 | .0 | 375.1 | 16618 | -82.3 | 20 | .0 | 368.7 | 16462 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.0 | 19 | .0 | 377.1 | 16593 | 100 |
| 110 | -77.9 | 20 | .0 | 367.1 | 16076 | -81.3 | 20 | .0 | 360.6 | 15930 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.1 | 19 | .0 | 363.0 | 16053 | 110 |
| 120 | -75.3 | 21 | .0 | 362.9 | 15575 | -78.3 | 20 | .0 | 357.3 | 15438 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.5 | 19 | .0 | 360.6 | 15557 | 120 |
| 130 | -72.1 | 23 | .0 | 360.4 | 15107 | -75.5 | 20 | .0 | 354.3 | 14978 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.9 | 19 | .0 | 358.9 | 15091 | 130 |
| 140 | -69.1 | 24 | .0 | 358.1 | 14667 | -72.4 | 19 | .0 | 352.3 | 14545 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.0 | 19 | .0 | 354.8 | 14655 | 140 |
| 150 | -65.6 | 22 | .0 | 357.2 | 14252 | -69.2 | 19 | .0 | 350.9 | 14137 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.0 | 21 | .0 | 354.8 | 14242 | 150 |
| 160 | -62.8 | 20 | .0 | 355.3 | 13857 | -66.0 | 19 | .0 | 350.0 | 13748 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.3 | 21 | .0 | 354.5 | 13849 | 160 |
| 170 | -61.1 | 20 | .0 | 352.1 | 13482 | -62.9 | 19 | .0 | 349.1 | 13377 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.4 | 21 | .0 | 351.6 | 13474 | 170 |
| 180 | -59.4 | 20 | .0 | 349.1 | 13125 | -60.0 | 18 | .0 | 348.1 | 13023 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.4 | 20 | .0 | 350.8 | 13118 | 180 |
| 190 | -57.9 | 20 | .0 | 346.2 | 12786 | -57.3 | 18 | .0 | 347.2 | 12683 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.3 | 20 | .0 | 350.5 | 12775 | 190 |
| 200 | -53.8 | 19 | .0 | 347.6 | 12459 | -54.7 | 18 | .0 | 346.3 | 12357 | 0.0 | 0 | 0.0 | 0.0 | 0 | -52.3 | 19 | .0 | 350.1 | 12445 | 200 |
| 225 | -47.3 | 18 | .0 | 346.3 | 11690 | -48.6 | 18 | .0 | 344.3 | 11593 | -48.4 | 21 | .0 | 344.6 | 11617 | -46.4 | 18 | .0 | 347.6 | 11673 | 225 |
| 250 | -41.8 | 22 | .1 | 344.3 | 10985 | -42.6 | 17 | .1 | 343.0 | 10891 | -43.1 | 21 | .1 | 342.3 | 10916 | -41.7 | 18 | .1 | 344.4 | 10966 | 250 |
| 275 | -36.0 | 20 | .1 | 343.6 | 10331 | -37.8 | 19 | .1 | 340.9 | 10241 | -37.5 | 20 | .1 | 341.4 | 10266 | -36.2 | 17 | .1 | 343.2 | 10313 | 275 |
| 300 | -30.7 | 19 | .2 | 342.9 | 9720 | -33.0 | 17 | .1 | 339.4 | 9635 | -32.3 | 18 | .2 | 340.6 | 9659 | -30.9 | 16 | .2 | 342.5 | 9702 | 300 |
| 325 | -25.8 | 17 | .2 | 342.2 | 9146 | -28.6 | 15 | .2 | 337.9 | 9067 | -27.5 | 17 | .2 | 339.7 | 9089 | -27.1 | 16 | .2 | 340.1 | 9129 | 325 |
| 350 | -21.2 | 15 | .3 | 341.4 | 8604 | -23.8 | 15 | .2 | 337.6 | 8531 | -23.1 | 16 | .3 | 338.8 | 8551 | -22.5 | 16 | .3 | 339.6 | 8590 | 350 |
| 375 | -17.0 | 14 | .4 | 340.7 | 8091 | -19.1 | 14 | .3 | 337.6 | 8023 | -19.0 | 15 | .3 | 337.9 | 8041 | -18.2 | 15 | .4 | 339.0 | 8079 | 375 |
| 400 | -13.6 | 13 | .4 | 339.0 | 7603 | -14.7 | 14 | .4 | 337.6 | 7538 | -15.4 | 16 | .4 | 336.8 | 7557 | -14.1 | 15 | .5 | 338.5 | 7594 | 400 |
| 425 | -10.8 | 14 | .5 | 337.3 | 7140 | -12.9 | 15 | .5 | 334.2 | 7078 | -13.2 | 23 | .8 | 334.9 | 7097 | -11.4 | 17 | .6 | 336.7 | 7131 | 425 |
| 450 | -7.0 | 15 | .8 | 337.3 | 6697 | -9.8 | 14 | .6 | 333.0 | 6640 | -9.6 | 18 | .7 | 333.9 | 6659 | -8.2 | 16 | .7 | 335.7 | 6690 | 450 |
| 475 | -5.4 | 13 | .7 | 333.9 | 6275 | -7.1 | 13 | .6 | 331.4 | 6220 | -7.1 | 16 | .8 | 332.1 | 6239 | -5.1 | 15 | .8 | 334.7 | 6268 | 475 |
| 500 | -3.2 | 12 | .7 | 331.8 | 5871 | -5.4 | 12 | .6 | 328.7 | 5819 | -5.0 | 17 | .9 | 330.1 | 5838 | -2.9 | 15 | .9 | 333.0 | 5863 | 500 |
| 525 | -.5 | 12 | .8 | 330.9 | 5483 | -3.1 | 12 | .7 | 327.2 | 5435 | -2.6 | 15 | .9 | 328.7 | 5453 | -1.4 | 16 | 1.0 | 330.5 | 5476 | 525 |
| 550 | 1.8 | 13 | 1.0 | 329.9 | 5110 | -.9 | 12 | .8 | 325.8 | 5066 | 0.0 | 13 | .9 | 327.3 | 5082 | .9 | 15 | 1.1 | 329.0 | 5104 | 550 |
| 575 | 2.7 | 16 | 1.3 | 327.6 | 4751 | -.1 | 16 | 1.0 | 323.5 | 4711 | .7 | 19 | 1.3 | 325.3 | 4726 | 1.5 | 18 | 1.3 | 326.4 | 4746 | 575 |
| 600 | 3.6 | 19 | 1.6 | 325.8 | 4406 | 2.2 | 15 | 1.1 | 322.6 | 4369 | 2.6 | 20 | 1.5 | 324.5 | 4384 | 3.4 | 18 | 1.5 | 325.2 | 4403 | 600 |
| 625 | 6.7 | 16 | 1.6 | 325.7 | 4073 | 4.5 | 14 | 1.2 | 321.7 | 4038 | 5.3 | 19 | 1.7 | 324.3 | 4052 | 5.8 | 18 | 1.6 | 324.7 | 4070 | 625 |
| 650 | 9.6 | 14 | 1.6 | 325.3 | 3750 | 6.6 | 14 | 1.3 | 320.8 | 3718 | 7.1 | 20 | 1.9 | 323.5 | 3731 | 8.2 | 17 | 1.7 | 324.2 | 3748 | 650 |
| 675 | 11.3 | 14 | 1.7 | 324.1 | 3436 | 8.6 | 13 | 1.4 | 320.1 | 3407 | 8.8 | 21 | 2.2 | 322.8 | 3420 | 10.4 | 16 | 1.9 | 323.6 | 3436 | 675 |
| 700 | 12.5 | 15 | 1.9 | 322.7 | 3132 | 10.5 | 15 | 1.7 | 319.7 | 3106 | 10.5 | 22 | 2.4 | 322.2 | 3118 | 11.4 | 18 | 2.2 | 322.5 | 3133 | 700 |
| 725 | 13.6 | 16 | 2.1 | 321.5 | 2838 | 12.2 | 16 | 2.0 | 319.4 | 2813 | 12.1 | 22 | 2.7 | 321.6 | 2825 | 12.6 | 22 | 2.7 | 322.2 | 2840 | 725 |
| 750 | 15.3 | 16 | 2.3 | 320.8 | 2552 | 13.9 | 17 | 2.3 | 319.2 | 2528 | 13.5 | 31 | 4.0 | 323.8 | 2541 | 14.2 | 26 | 3.5 | 323.4 | 2554 | 750 |
| 775 | 17.1 | 16 | 2.5 | 320.5 | 2274 | 14.9 | 27 | 3.6 | 321.4 | 2251 | 14.5 | 58 | 7.7 | 333.0 | 2264 | 15.8 | 31 | 4.5 | 325.0 | 2277 | 775 |
| 800 | 18.2 | 36 | 5.9 | 329.0 | 2002 | 11.8 | 37 | 4.0 | 315.9 | 1984 | 15.5 | 84 | 11.7 | 342.3 | 1994 | 16.1 | 62 | 8.9 | 335.0 | 2007 | 800 |
| 825 | 18.9 | 64 | 10.7 | 340.5 | 1738 | 14.2 | 85 | 10.6 | 334.4 | 1726 | 16.7 | 96 | 14.1 | 347.3 | 1732 | 17.9 | 56 | 8.9 | 334.1 | 1744 | 825 |
| 850 | 17.4 | 70 | 10.4 | 334.8 | 1482 | 16.6 | 97 | 13.7 | 343.0 | 1471 | 17.9 | 96 | 14.8 | 348.0 | 1476 | 18.6 | 69 | 11.0 | 338.1 | 1488 | 850 |
| 875 | 18.7 | 92 | 14.5 | 345.1 | 1233 | 18.3 | 95 | 14.5 | 344.6 | 1223 | 19.2 | 96 | 15.6 | 348.7 | 1226 | 19.4 | 81 | 13.1 | 342.1 | 1238 | 875 |
| 900 | 20.4 | 96 | 16.3 | 349.4 | 989 | 20.0 | 93 | 15.4 | 346.2 | 979 | 20.4 | 97 | 16.4 | 349.5 | 982 | 20.5 | 82 | 14.0 | 343.2 | 994 | 900 |
| 925 | 22.0 | 94 | 17.2 | 351.0 | 751 | 21.6 | 91 | 16.3 | 347.9 | 741 | 21.6 | 97 | 17.2 | 350.4 | 743 | 21.7 | 82 | 14.6 | 343.5 | 756 | 925 |
| 950 | 23.6 | 92 | 18.1 | 352.8 | 517 | 23.2 | 90 | 17.1 | 349.5 | 508 | 22.7 | 97 | 18.0 | 351.2 | 510 | 23.0 | 81 | 15.3 | 344.4 | 523 | 950 |
| 975 | 25.7 | 87 | 18.9 | 354.9 | 288 | 24.7 | 88 | 18.0 | 351.2 | 280 | 24.3 | 94 | 18.7 | 352.5 | 282 | 24.6 | 83 | 16.8 | 347.9 | 295 | 975 |
| 1000 | 27.6 | 82 | 19.6 | 356.7 | 63 | 26.2 | 86 | 18.9 | 352.8 | 56 | 26.0 | 89 | 19.3 | 353.7 | 58 | 26.2 | 85 | 18.4 | 351.5 | 72 | 1000 |
| SFC. | 28.2 | 81 | 19.7 | 357.1 | 0 | 26.6 | 86 | 19.1 | 353.2 | 0 | 26.5 | 88 | 19.4 | 354.0 | 0 | 26.7 | 85 | 18.9 | 352.8 | 0 | SFC. |
| | SURFACE PRESSURE 1007.1 | | | | | SURFACE PRESSURE 1006.3 | | | | | SURFACE PRESSURE 1006.6 | | | | | SURFACE PRESSURE 1008.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/ 8 2127 GMT | | | | | 3/ 9 0 5 GMT | | | | | 3/ 9 3 0 GMT | | | | | 3/ 9 623 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -67.1 | 0 | 0.0 | 460.7 | 19528 | -71.9 | 0 | 0.0 | 450.0 | 19479 | -73.0 | 0 | 0.0 | 447.5 | 19470 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -69.8 | 0 | 0.0 | 435.2 | 18610 | -69.9 | 0 | 0.0 | 434.8 | 18565 | -69.9 | 0 | 0.0 | 434.8 | 18559 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -72.2 | 0 | 0.0 | 413.8 | 17815 | -74.7 | 24 | .0 | 408.7 | 17776 | -72.1 | 25 | .0 | 414.0 | 17763 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -75.2 | 21 | .0 | 394.2 | 17124 | -79.2 | 24 | .0 | 386.2 | 17094 | -78.4 | 24 | .0 | 387.8 | 17083 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -80.7 | 22 | .0 | 371.8 | 16525 | -80.5 | 25 | .0 | 372.2 | 16499 | -80.4 | 25 | .0 | 372.4 | 16485 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -80.2 | 22 | .0 | 362.7 | 15989 | -80.8 | 25 | .0 | 361.6 | 15962 | -80.4 | 25 | .0 | 362.5 | 15949 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -77.9 | 22 | .0 | 358.1 | 15494 | -78.2 | 25 | .0 | 357.6 | 15469 | -78.7 | 25 | .0 | 356.6 | 15455 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -74.7 | 22 | .0 | 355.6 | 15033 | -74.5 | 24 | .0 | 356.1 | 15008 | -75.2 | 25 | .0 | 354.9 | 14995 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -71.5 | 22 | .0 | 353.9 | 14599 | -71.1 | 24 | .0 | 354.5 | 14573 | -71.9 | 25 | .0 | 353.2 | 14562 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.4 | 22 | .0 | 352.3 | 14188 | -67.8 | 24 | .0 | 353.3 | 14162 | -68.6 | 25 | .0 | 352.0 | 14152 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.3 | 22 | .0 | 351.2 | 13798 | -64.7 | 24 | .0 | 352.1 | 13771 | -65.4 | 24 | .0 | 350.9 | 13762 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.3 | 22 | .0 | 350.0 | 13427 | -61.8 | 24 | .0 | 350.8 | 13398 | -62.5 | 24 | .0 | 349.8 | 13391 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.6 | 21 | .0 | 348.9 | 13071 | -59.1 | 23 | .0 | 349.7 | 13042 | -59.7 | 23 | .0 | 348.7 | 13036 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -56.9 | 21 | .0 | 347.8 | 12731 | -56.5 | 23 | .0 | 348.5 | 12701 | -57.0 | 22 | .0 | 347.7 | 12696 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -54.4 | 21 | .0 | 346.7 | 12404 | -54.0 | 23 | .0 | 347.3 | 12374 | -54.4 | 22 | .0 | 346.8 | 12369 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -47.9 | 20 | .0 | 345.4 | 11639 | -48.0 | 22 | .0 | 345.1 | 11608 | -48.5 | 21 | .0 | 344.4 | 11604 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -42.4 | 19 | .1 | 343.3 | 10935 | -42.5 | 21 | .1 | 343.2 | 10905 | -42.4 | 20 | .1 | 343.3 | 10902 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -38.0 | 19 | .1 | 340.6 | 10285 | -37.5 | 20 | .1 | 341.4 | 10254 | -37.0 | 20 | .1 | 342.1 | 10251 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -32.6 | 19 | .2 | 340.1 | 9679 | -32.3 | 20 | .2 | 340.5 | 9647 | -32.2 | 19 | .2 | 340.7 | 9643 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -27.4 | 18 | .2 | 339.8 | 9109 | -27.3 | 20 | .3 | 340.1 | 9077 | -27.7 | 19 | .2 | 339.4 | 9073 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -23.9 | 19 | .3 | 337.8 | 8572 | -23.9 | 20 | .3 | 337.8 | 8540 | -24.1 | 20 | .3 | 337.6 | 8536 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -19.0 | 17 | .4 | 338.0 | 8064 | -19.6 | 19 | .4 | 337.3 | 8032 | -19.6 | 19 | .4 | 337.3 | 8028 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -14.5 | 16 | .5 | 338.1 | 7579 | -15.5 | 18 | .5 | 336.8 | 7549 | -15.4 | 18 | .5 | 337.0 | 7545 | 0.0 | 0 | 0.0 | 0.0 | 0 | 400 |
| 425 | -10.9 | 17 | .6 | 337.4 | 7116 | -11.8 | 18 | .7 | 336.3 | 7088 | -12.3 | 18 | .6 | 335.6 | 7084 | 0.0 | 0 | 0.0 | 0.0 | 0 | 425 |
| 450 | -9.1 | 19 | .8 | 334.8 | 6675 | -8.9 | 18 | .8 | 334.9 | 6648 | -10.3 | 26 | 1.0 | 334.0 | 6645 | 0.0 | 0 | 0.0 | 0.0 | 0 | 450 |
| 475 | -6.0 | 18 | .9 | 334.0 | 6255 | -6.5 | 17 | .9 | 333.1 | 6227 | -7.3 | 19 | .9 | 332.1 | 6227 | 0.0 | 0 | 0.0 | 0.0 | 0 | 475 |
| 500 | -3.5 | 18 | 1.0 | 332.6 | 5851 | -4.2 | 17 | 1.0 | 331.4 | 5824 | -5.0 | 18 | .9 | 330.3 | 5825 | -5.3 | 16 | .8 | 329.6 | 5819 | 500 |
| 525 | -1.7 | 17 | 1.1 | 330.3 | 5464 | -2.7 | 20 | 1.2 | 329.3 | 5439 | -2.9 | 18 | 1.1 | 328.7 | 5440 | -3.1 | 14 | .8 | 327.7 | 5434 | 525 |
| 550 | -.6 | 21 | 1.4 | 328.1 | 5093 | -1.4 | 22 | 1.4 | 327.3 | 5069 | -1.0 | 30 | 1.9 | 329.4 | 5071 | -1.9 | 23 | 1.4 | 326.8 | 5065 | 550 |
| 575 | .4 | 24 | 1.6 | 326.0 | 4737 | -.1 | 25 | 1.6 | 325.4 | 4714 | 1.2 | 27 | 2.0 | 328.2 | 4715 | .4 | 19 | 1.3 | 324.8 | 4710 | 575 |
| 600 | 2.2 | 24 | 1.8 | 324.7 | 4395 | 2.2 | 23 | 1.7 | 324.5 | 4372 | 3.4 | 25 | 2.0 | 326.9 | 4371 | .3 | 36 | 2.4 | 324.4 | 4369 | 600 |
| 625 | 4.7 | 21 | 1.8 | 324.0 | 4064 | 4.6 | 20 | 1.7 | 323.6 | 4041 | 5.4 | 23 | 2.1 | 325.7 | 4039 | 2.2 | 31 | 2.2 | 322.2 | 4041 | 625 |
| 650 | 7.0 | 19 | 1.9 | 323.2 | 3743 | 6.9 | 19 | 1.8 | 323.0 | 3720 | 7.4 | 21 | 2.1 | 324.4 | 3717 | 5.3 | 24 | 2.0 | 321.7 | 3722 | 650 |
| 675 | 9.3 | 17 | 1.9 | 322.4 | 3432 | 9.1 | 18 | 2.0 | 322.4 | 3409 | 9.4 | 19 | 2.1 | 323.1 | 3406 | 8.2 | 17 | 1.7 | 320.7 | 3413 | 675 |
| 700 | 10.6 | 19 | 2.2 | 321.6 | 3130 | 10.8 | 19 | 2.2 | 321.9 | 3107 | 11.1 | 21 | 2.5 | 323.1 | 3103 | 9.1 | 15 | 1.6 | 317.9 | 3112 | 700 |
| 725 | 12.0 | 23 | 2.7 | 321.5 | 2837 | 12.4 | 21 | 2.6 | 321.6 | 2814 | 12.8 | 24 | 3.0 | 323.3 | 2810 | 11.0 | 18 | 2.1 | 318.4 | 2821 | 725 |
| 750 | 13.5 | 28 | 3.6 | 322.6 | 2553 | 13.8 | 23 | 3.0 | 321.4 | 2530 | 14.4 | 26 | 3.6 | 323.7 | 2524 | 13.0 | 22 | 2.7 | 319.6 | 2537 | 750 |
| 775 | 15.0 | 32 | 4.4 | 323.9 | 2276 | 15.3 | 25 | 3.5 | 321.4 | 2253 | 16.0 | 28 | 4.2 | 324.2 | 2247 | 13.3 | 34 | 4.3 | 321.4 | 2262 | 775 |
| 800 | 15.3 | 60 | 8.2 | 332.2 | 2007 | 16.1 | 36 | 5.1 | 324.2 | 1983 | 16.0 | 60 | 8.6 | 334.0 | 1977 | 13.7 | 80 | 9.8 | 334.7 | 1994 | 800 |
| 825 | 16.2 | 69 | 9.8 | 334.8 | 1745 | 16.1 | 59 | 8.3 | 330.3 | 1722 | 16.3 | 75 | 10.7 | 337.3 | 1715 | 15.5 | 75 | 10.1 | 334.8 | 1733 | 825 |
| 850 | 17.7 | 62 | 9.3 | 332.2 | 1490 | 17.6 | 62 | 9.2 | 331.9 | 1467 | 16.9 | 83 | 11.9 | 338.3 | 1460 | 17.4 | 74 | 11.0 | 336.5 | 1478 | 850 |
| 875 | 18.5 | 66 | 10.2 | 332.9 | 1242 | 17.0 | 72 | 10.1 | 330.6 | 1219 | 18.3 | 78 | 11.9 | 337.4 | 1211 | 17.0 | 91 | 12.8 | 338.1 | 1230 | 875 |
| 900 | 19.8 | 69 | 11.1 | 334.3 | 999 | 18.8 | 70 | 10.7 | 331.8 | 977 | 19.7 | 74 | 12.0 | 336.6 | 968 | 18.1 | 95 | 14.0 | 340.0 | 988 | 900 |
| 925 | 21.0 | 71 | 12.0 | 335.3 | 762 | 20.2 | 71 | 11.6 | 333.3 | 741 | 20.8 | 80 | 13.4 | 339.1 | 731 | 19.8 | 95 | 15.1 | 342.5 | 752 | 925 |
| 950 | 22.0 | 74 | 13.1 | 337.0 | 530 | 21.2 | 75 | 12.6 | 334.6 | 509 | 22.3 | 82 | 14.7 | 341.8 | 499 | 21.5 | 95 | 16.4 | 345.2 | 520 | 950 |
| 975 | 23.4 | 85 | 16.0 | 344.0 | 303 | 24.1 | 71 | 13.9 | 339.2 | 283 | 24.6 | 78 | 15.7 | 344.5 | 271 | 22.4 | 92 | 16.3 | 343.5 | 293 | 975 |
| 1000 | 25.8 | 75 | 16.0 | 344.5 | 80 | 26.9 | 68 | 15.3 | 343.9 | 59 | 26.7 | 74 | 16.5 | 347.1 | 48 | 24.9 | 84 | 16.8 | 345.5 | 71 | 1000 |
| SFC. | 27.2 | 72 | 16.4 | 346.5 | 0 | 27.6 | 67 | 15.7 | 345.2 | 0 | 27.2 | 73 | 16.7 | 347.7 | 0 | 26.2 | 81 | 17.5 | 348.1 | 0 | SFC. |
| | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1006.7 | | | | | SURFACE PRESSURE 1005.4 | | | | | SURFACE PRESSURE 1008.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/ 9 925 GMT T | RH | W | EPT | H | 3/ 9 1145 GMT T | RH | W | EPT | H | 3/ 9 18 0 GMT T | RH | W | EPT | H | 3/10 0 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -74.6 | 0 | 0.0 | 444.0 | 19457 | -63.7 | 0 | 0.0 | 468.4 | 19450 | -67.8 | 0 | 0.0 | 459.2 | 19494 | -65.7 | 0 | 0.0 | 463.8 | 19553 | 60 |
| 70 | -74.8 | 0 | 0.0 | 424.4 | 18563 | -75.8 | 0 | 0.0 | 422.3 | 18540 | -73.5 | 0 | 0.0 | 427.2 | 18588 | -72.8 | 0 | 0.0 | 428.6 | 18634 | 70 |
| 80 | -74.5 | 15 | .0 | 409.2 | 17785 | -75.0 | 0 | 0.0 | 408.1 | 17763 | -72.0 | 0 | 0.0 | 414.3 | 17802 | -71.0 | 0 | 0.0 | 416.3 | 17847 | 80 |
| 90 | -80.2 | 15 | .0 | 384.3 | 17107 | -78.2 | 22 | .0 | 388.2 | 17084 | -77.7 | 21 | .0 | 389.1 | 17117 | -75.8 | 13 | .0 | 392.9 | 17159 | 90 |
| 100 | -78.5 | 15 | .0 | 376.1 | 16509 | -79.4 | 22 | .0 | 374.3 | 16486 | -78.7 | 21 | .0 | 375.7 | 16519 | -80.1 | 12 | .0 | 373.0 | 16560 | 100 |
| 110 | -80.2 | 15 | .0 | 362.7 | 15969 | -77.9 | 22 | .0 | 367.2 | 15942 | -79.3 | 21 | .0 | 364.5 | 15974 | -78.1 | 12 | .0 | 366.7 | 16018 | 110 |
| 120 | -79.8 | 16 | .0 | 354.7 | 15478 | -78.9 | 22 | .0 | 356.3 | 15447 | -76.7 | 21 | .0 | 360.2 | 15477 | -75.2 | 12 | .0 | 363.1 | 15518 | 120 |
| 130 | -75.4 | 17 | .0 | 354.4 | 15021 | -76.4 | 22 | .0 | 352.6 | 14990 | -74.4 | 20 | .0 | 356.3 | 15014 | -72.5 | 11 | .0 | 359.7 | 15050 | 130 |
| 140 | -69.8 | 15 | .0 | 356.9 | 14583 | -72.9 | 21 | .0 | 351.4 | 14559 | -72.0 | 20 | .0 | 352.9 | 14580 | -70.0 | 11 | .0 | 356.5 | 14612 | 140 |
| 150 | -67.2 | 15 | .0 | 354.3 | 14170 | -69.3 | 21 | .0 | 350.7 | 14151 | -68.6 | 20 | .0 | 351.9 | 14170 | -67.4 | 11 | .0 | 354.0 | 14199 | 150 |
| 160 | -64.1 | 15 | .0 | 353.2 | 13778 | -65.7 | 21 | .0 | 350.4 | 13762 | -65.4 | 20 | .0 | 350.9 | 13780 | -64.6 | 11 | .0 | 352.3 | 13808 | 160 |
| 170 | -61.0 | 15 | .0 | 352.2 | 13404 | -62.4 | 20 | .0 | 349.9 | 13391 | -62.4 | 20 | .0 | 349.8 | 13409 | -61.9 | 12 | .0 | 350.7 | 13435 | 170 |
| 180 | -58.2 | 15 | .0 | 351.2 | 13046 | -59.2 | 20 | .0 | 349.5 | 13036 | -59.6 | 20 | .0 | 348.8 | 13054 | -59.4 | 12 | .0 | 349.1 | 13079 | 180 |
| 190 | -55.4 | 15 | .0 | 350.2 | 12704 | -56.2 | 20 | .0 | 349.0 | 12694 | -56.9 | 20 | .0 | 347.8 | 12714 | -56.4 | 12 | .0 | 348.5 | 12739 | 190 |
| 200 | -53.7 | 15 | .0 | 347.8 | 12375 | -54.4 | 20 | .0 | 346.8 | 12367 | -54.4 | 20 | .0 | 346.8 | 12387 | -53.6 | 11 | .0 | 347.9 | 12411 | 200 |
| 225 | -48.7 | 14 | .0 | 344.1 | 11611 | -49.1 | 20 | .0 | 343.5 | 11604 | -48.2 | 20 | .0 | 344.8 | 11622 | -47.2 | 11 | .0 | 346.3 | 11643 | 225 |
| 250 | -43.1 | 14 | .0 | 342.3 | 10909 | -43.4 | 19 | .1 | 341.9 | 10904 | -42.7 | 18 | .1 | 342.9 | 10919 | -41.5 | 11 | .0 | 344.6 | 10937 | 250 |
| 275 | -38.3 | 14 | .1 | 340.0 | 10261 | -38.2 | 19 | .1 | 340.3 | 10255 | -37.3 | 18 | .1 | 341.7 | 10269 | -36.3 | 10 | .1 | 342.9 | 10283 | 275 |
| 300 | -33.3 | 12 | .1 | 338.9 | 9656 | -33.5 | 18 | .1 | 338.8 | 9651 | -32.4 | 18 | .2 | 340.4 | 9661 | -31.1 | 10 | .1 | 341.9 | 9673 | 300 |
| 325 | -28.1 | 12 | .1 | 338.5 | 9088 | -28.6 | 18 | .2 | 338.1 | 9083 | -27.8 | 18 | .2 | 339.2 | 9092 | -26.9 | 10 | .1 | 340.1 | 9101 | 325 |
| 350 | -23.3 | 11 | .2 | 338.1 | 8550 | -23.6 | 17 | .3 | 338.1 | 8547 | -23.4 | 18 | .3 | 338.4 | 8554 | -22.2 | 10 | .2 | 339.5 | 8561 | 350 |
| 375 | -19.4 | 11 | .2 | 336.8 | 8042 | -19.7 | 17 | .4 | 336.9 | 8038 | -19.2 | 18 | .4 | 337.8 | 8045 | -18.0 | 10 | .2 | 338.8 | 8050 | 375 |
| 400 | -15.8 | 10 | .3 | 335.6 | 7559 | -15.8 | 17 | .5 | 336.3 | 7556 | -15.2 | 18 | .5 | 337.2 | 7561 | -14.1 | 10 | .3 | 337.9 | 7564 | 400 |
| 425 | -12.4 | 10 | .3 | 334.4 | 7099 | -12.0 | 16 | .6 | 335.8 | 7095 | -11.4 | 18 | .7 | 337.0 | 7100 | -11.4 | 10 | .4 | 335.8 | 7102 | 425 |
| 450 | -10.4 | 12 | .4 | 331.9 | 6660 | -9.3 | 16 | .7 | 334.1 | 6655 | -8.6 | 16 | .7 | 335.1 | 6659 | -8.4 | 10 | .5 | 334.5 | 6660 | 450 |
| 475 | -8.2 | 13 | .6 | 330.0 | 6243 | -7.7 | 17 | .8 | 331.3 | 6236 | -7.2 | 18 | .8 | 332.0 | 6239 | -6.9 | 10 | .5 | 331.3 | 6240 | 475 |
| 500 | -4.9 | 12 | .6 | 329.4 | 5842 | -5.0 | 16 | .8 | 330.1 | 5835 | -4.2 | 17 | 1.0 | 331.4 | 5837 | -4.5 | 10 | .5 | 329.6 | 5838 | 500 |
| 525 | -2.4 | 11 | .7 | 328.1 | 5457 | -2.4 | 15 | .9 | 328.9 | 5450 | -1.8 | 17 | 1.1 | 330.2 | 5451 | -1.7 | 10 | .6 | 328.7 | 5452 | 525 |
| 550 | -1.5 | 14 | .8 | 325.4 | 5087 | -1.6 | 17 | 1.1 | 326.0 | 5080 | -1.3 | 21 | 1.3 | 327.1 | 5080 | .2 | 10 | .7 | 327.0 | 5081 | 550 |
| 575 | .6 | 13 | .9 | 323.8 | 4732 | .1 | 19 | 1.3 | 324.6 | 4725 | -.1 | 22 | 1.4 | 324.8 | 4726 | 1.4 | 10 | .7 | 324.3 | 4724 | 575 |
| 600 | 2.7 | 12 | .9 | 322.5 | 4389 | 2.0 | 23 | 1.7 | 324.2 | 4383 | 1.6 | 32 | 2.2 | 325.5 | 4384 | 2.4 | 10 | .8 | 321.6 | 4381 | 600 |
| 625 | 4.9 | 11 | .9 | 321.4 | 4058 | 4.7 | 23 | 2.0 | 324.4 | 4052 | 3.9 | 29 | 2.3 | 324.7 | 4054 | 4.4 | 10 | .8 | 320.4 | 4050 | 625 |
| 650 | 7.0 | 10 | 1.0 | 320.3 | 3737 | 6.5 | 20 | 1.9 | 322.6 | 3732 | 6.1 | 26 | 2.4 | 323.8 | 3734 | 6.7 | 10 | .9 | 319.8 | 3730 | 650 |
| 675 | 9.1 | 10 | 1.1 | 319.5 | 3426 | 8.3 | 18 | 1.8 | 321.0 | 3421 | 8.2 | 24 | 2.4 | 322.9 | 3424 | 8.8 | 10 | 1.0 | 319.1 | 3420 | 675 |
| 700 | 11.2 | 10 | 1.2 | 318.9 | 3124 | 10.0 | 16 | 1.8 | 319.4 | 3120 | 10.3 | 22 | 2.4 | 321.9 | 3122 | 10.8 | 10 | 1.2 | 318.4 | 3118 | 700 |
| 725 | 11.6 | 10 | 1.2 | 316.2 | 2832 | 11.9 | 18 | 2.1 | 319.5 | 2828 | 12.3 | 19 | 2.4 | 320.8 | 2830 | 12.8 | 10 | 1.3 | 317.8 | 2825 | 725 |
| 750 | 12.7 | 15 | 1.8 | 316.3 | 2548 | 13.5 | 43 | 5.5 | 328.5 | 2543 | 12.4 | 37 | 4.4 | 324.0 | 2546 | 13.2 | 54 | 6.9 | 332.0 | 2540 | 750 |
| 775 | 14.3 | 22 | 2.8 | 318.3 | 2273 | 15.3 | 36 | 5.0 | 326.0 | 2266 | 11.7 | 56 | 6.3 | 325.3 | 2271 | 14.7 | 56 | 7.5 | 332.5 | 2263 | 775 |
| 800 | 15.7 | 40 | 5.6 | 325.0 | 2004 | 16.6 | 39 | 5.7 | 326.5 | 1997 | 13.5 | 85 | 10.3 | 335.9 | 2004 | 16.0 | 58 | 8.4 | 333.4 | 1994 | 800 |
| 825 | 15.4 | 69 | 9.2 | 332.2 | 1742 | 15.4 | 86 | 11.5 | 338.5 | 1735 | 15.0 | 93 | 12.3 | 340.2 | 1743 | 16.9 | 69 | 10.1 | 336.5 | 1731 | 825 |
| 850 | 16.2 | 94 | 12.9 | 340.5 | 1488 | 16.5 | 97 | 13.5 | 342.5 | 1480 | 16.5 | 90 | 12.5 | 339.7 | 1489 | 17.0 | 57 | 8.2 | 328.2 | 1476 | 850 |
| 875 | 17.0 | 90 | 12.6 | 337.7 | 1240 | 18.3 | 96 | 14.6 | 344.8 | 1232 | 17.5 | 85 | 12.4 | 337.7 | 1241 | 18.4 | 58 | 8.8 | 328.9 | 1228 | 875 |
| 900 | 18.5 | 92 | 13.9 | 340.2 | 998 | 19.5 | 96 | 15.5 | 345.8 | 988 | 18.1 | 83 | 12.2 | 335.0 | 999 | 19.7 | 59 | 9.5 | 329.5 | 986 | 900 |
| 925 | 20.1 | 94 | 15.2 | 342.9 | 761 | 20.7 | 97 | 16.3 | 346.9 | 751 | 19.9 | 90 | 14.4 | 340.7 | 763 | 20.9 | 63 | 10.6 | 331.6 | 749 | 925 |
| 950 | 22.0 | 92 | 16.4 | 345.8 | 529 | 22.3 | 95 | 17.2 | 348.4 | 519 | 21.7 | 95 | 16.7 | 346.4 | 531 | 22.2 | 68 | 12.1 | 334.5 | 517 | 950 |
| 975 | 23.8 | 91 | 17.6 | 348.9 | 302 | 24.2 | 91 | 17.9 | 350.2 | 291 | 23.7 | 91 | 17.5 | 348.6 | 303 | 24.5 | 68 | 13.5 | 338.6 | 290 | 975 |
| 1000 | 25.9 | 89 | 19.0 | 352.7 | 79 | 26.0 | 86 | 18.6 | 351.9 | 67 | 25.7 | 87 | 18.3 | 350.6 | 80 | 26.7 | 67 | 15.0 | 342.9 | 66 | 1000 |
| SFC. | 26.6 | 88 | 19.5 | 354.0 | 0 | 26.6 | 85 | 18.8 | 352.4 | 0 | 26.4 | 85 | 18.6 | 351.3 | 0 | 27.4 | 67 | 15.5 | 344.3 | 0 | SFC. |
| | SURFACE PRESSURE 1008.9 | | | | | SURFACE PRESSURE 1007.6 | | | | | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1007.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/10 6 2 GMT | | | | | 3/10 1135 GMT | | | | | 3/10 1450 GMT | | | | | 3/10 1732 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -64.3 | 0 | 0.0 | 467.0 | 19507 | -69.7 | 0 | 0.0 | 454.9 | 19309 | -68.1 | 0 | 0.0 | 458.5 | 19470 | -68.5 | 0 | 0.0 | 457.6 | 19447 | 60 |
| 70 | -73.4 | 0 | 0.0 | 427.4 | 18595 | -76.8 | 0 | 0.0 | 420.2 | 18401 | -74.5 | 0 | 0.0 | 425.0 | 18547 | -73.4 | 0 | 0.0 | 427.4 | 18523 | 70 |
| 80 | -74.2 | 0 | 0.0 | 409.7 | 17813 | -75.8 | 23 | .0 | 406.4 | 17633 | -73.4 | 15 | .0 | 411.5 | 17770 | -72.1 | 0 | 0.0 | 414.0 | 17739 | 80 |
| 90 | -80.2 | 22 | .0 | 384.3 | 17142 | -84.5 | 24 | .0 | 375.7 | 16965 | -82.0 | 15 | .0 | 380.6 | 17094 | -79.8 | 0 | 0.0 | 385.0 | 17056 | 90 |
| 100 | -79.7 | 22 | .0 | 373.8 | 16546 | -81.6 | 24 | .0 | 370.1 | 16378 | -81.1 | 15 | .0 | 371.1 | 16503 | -81.7 | 20 | .0 | 369.9 | 16465 | 100 |
| 110 | -80.3 | 22 | .0 | 362.7 | 16007 | -80.9 | 23 | .0 | 361.5 | 15843 | -78.7 | 15 | .0 | 365.5 | 15963 | -77.9 | 20 | .0 | 367.1 | 15925 | 110 |
| 120 | -77.9 | 22 | .0 | 358.1 | 15513 | -79.2 | 23 | .0 | 355.6 | 15352 | -77.6 | 15 | .0 | 358.6 | 15466 | -78.1 | 21 | .0 | 357.7 | 15428 | 120 |
| 130 | -74.7 | 22 | .0 | 355.7 | 15052 | -76.3 | 22 | .0 | 352.9 | 14894 | -74.7 | 15 | .0 | 355.6 | 15005 | -74.8 | 20 | .0 | 355.6 | 14966 | 130 |
| 140 | -71.1 | 21 | .0 | 354.5 | 14617 | -73.1 | 22 | .0 | 351.0 | 14463 | -71.3 | 15 | .0 | 354.2 | 14571 | -71.6 | 20 | .0 | 353.6 | 14533 | 140 |
| 150 | -67.8 | 21 | .0 | 353.4 | 14206 | -69.8 | 21 | .0 | 349.9 | 14056 | -68.1 | 15 | .0 | 352.7 | 14160 | -68.4 | 20 | .0 | 352.3 | 14122 | 150 |
| 160 | -64.6 | 21 | .0 | 352.3 | 13815 | -66.7 | 21 | .0 | 348.8 | 13668 | -65.2 | 15 | .0 | 351.3 | 13769 | -65.4 | 20 | .0 | 350.9 | 13732 | 160 |
| 170 | -61.5 | 20 | .0 | 351.3 | 13442 | -63.7 | 21 | .0 | 347.7 | 13299 | -62.1 | 14 | .0 | 350.3 | 13397 | -62.6 | 20 | .0 | 349.6 | 13361 | 170 |
| 180 | -58.7 | 20 | .0 | 350.3 | 13085 | -61.0 | 20 | .0 | 346.6 | 12946 | -59.2 | 13 | .0 | 349.4 | 13042 | -59.9 | 20 | .0 | 348.3 | 13006 | 180 |
| 190 | -56.0 | 20 | .0 | 349.3 | 12743 | -58.3 | 20 | .0 | 345.6 | 12608 | -56.5 | 13 | .0 | 348.5 | 12701 | -57.4 | 20 | .0 | 347.0 | 12667 | 190 |
| 200 | -53.4 | 19 | .0 | 348.3 | 12415 | -55.6 | 20 | .0 | 344.8 | 12283 | -53.8 | 12 | .0 | 347.6 | 12373 | -54.8 | 20 | .0 | 346.1 | 12341 | 200 |
| 225 | -47.5 | 19 | .0 | 346.0 | 11647 | -49.6 | 19 | .0 | 342.6 | 11523 | -47.7 | 11 | .0 | 345.6 | 11606 | -48.4 | 19 | .0 | 344.5 | 11577 | 225 |
| 250 | -42.2 | 20 | .1 | 343.7 | 10942 | -44.2 | 19 | .1 | 340.6 | 10825 | -42.1 | 10 | .0 | 343.7 | 10902 | -42.8 | 18 | .1 | 342.8 | 10874 | 250 |
| 275 | -37.4 | 20 | .1 | 341.6 | 10291 | -39.3 | 19 | .1 | 338.7 | 10179 | -37.0 | 10 | .1 | 341.9 | 10250 | -37.6 | 17 | .1 | 341.1 | 10224 | 275 |
| 300 | -32.1 | 18 | .2 | 340.8 | 9684 | -34.3 | 19 | .1 | 337.6 | 9577 | -32.4 | 10 | .1 | 340.1 | 9642 | -32.9 | 17 | .1 | 339.5 | 9618 | 300 |
| 325 | -27.3 | 17 | .2 | 339.9 | 9112 | -29.7 | 18 | .2 | 336.5 | 9011 | -28.1 | 10 | .1 | 338.4 | 9073 | -28.6 | 16 | .2 | 338.0 | 9050 | 325 |
| 350 | -23.0 | 17 | .3 | 338.9 | 8575 | -25.5 | 18 | .2 | 335.4 | 8478 | -23.7 | 10 | .2 | 337.4 | 8536 | -24.2 | 16 | .3 | 337.1 | 8514 | 350 |
| 375 | -18.5 | 16 | .4 | 338.6 | 8065 | -21.3 | 17 | .3 | 334.6 | 7974 | -19.5 | 10 | .2 | 336.7 | 8028 | -20.2 | 17 | .3 | 336.3 | 8007 | 375 |
| 400 | -14.3 | 15 | .5 | 338.2 | 7579 | -17.4 | 16 | .4 | 333.9 | 7494 | -15.5 | 10 | .3 | 336.0 | 7545 | -16.4 | 17 | .4 | 335.4 | 7525 | 400 |
| 425 | -11.9 | 15 | .5 | 335.7 | 7117 | -13.9 | 16 | .5 | 333.1 | 7036 | -12.3 | 10 | .4 | 334.6 | 7084 | -13.1 | 17 | .6 | 334.3 | 7066 | 425 |
| 450 | -9.4 | 14 | .6 | 333.6 | 6677 | -11.7 | 16 | .6 | 330.7 | 6600 | -10.0 | 11 | .4 | 332.4 | 6646 | -11.0 | 17 | .6 | 331.8 | 6629 | 450 |
| 475 | -7.1 | 14 | .7 | 331.6 | 6258 | -9.6 | 17 | .7 | 328.5 | 6184 | -8.7 | 13 | .5 | 329.2 | 6228 | -9.8 | 21 | .8 | 328.8 | 6213 | 475 |
| 500 | -4.5 | 14 | .8 | 330.4 | 5856 | -7.2 | 17 | .8 | 327.1 | 5787 | -5.4 | 12 | .6 | 328.7 | 5828 | -6.5 | 19 | .9 | 328.4 | 5815 | 500 |
| 525 | -1.9 | 14 | .9 | 329.3 | 5470 | -4.1 | 18 | 1.0 | 326.9 | 5404 | -2.1 | 10 | .7 | 328.3 | 5443 | -3.4 | 18 | 1.0 | 328.1 | 5431 | 525 |
| 550 | .5 | 14 | 1.0 | 328.3 | 5099 | -1.9 | 17 | 1.0 | 325.4 | 5036 | .3 | 10 | .7 | 327.1 | 5072 | -1.1 | 17 | 1.1 | 326.7 | 5062 | 550 |
| 575 | 2.3 | 15 | 1.1 | 326.7 | 4741 | .2 | 16 | 1.1 | 324.1 | 4681 | 2.2 | 10 | .8 | 325.3 | 4714 | 1.0 | 16 | 1.2 | 325.2 | 4706 | 575 |
| 600 | 3.8 | 15 | 1.3 | 325.0 | 4396 | 1.7 | 18 | 1.3 | 322.6 | 4339 | 3.6 | 11 | .9 | 323.4 | 4370 | 2.4 | 18 | 1.3 | 323.5 | 4363 | 600 |
| 625 | 5.3 | 16 | 1.4 | 323.5 | 4064 | 2.5 | 23 | 1.7 | 320.8 | 4010 | 4.1 | 13 | 1.1 | 320.9 | 4039 | 3.1 | 21 | 1.6 | 321.4 | 4033 | 625 |
| 650 | 7.3 | 16 | 1.6 | 322.6 | 3743 | 4.2 | 22 | 1.7 | 319.5 | 3692 | 6.2 | 13 | 1.1 | 320.0 | 3719 | 4.7 | 22 | 1.8 | 320.3 | 3715 | 650 |
| 675 | 9.2 | 16 | 1.7 | 321.7 | 3431 | 6.6 | 17 | 1.5 | 318.1 | 3384 | 9.1 | 10 | 1.1 | 319.7 | 3408 | 7.8 | 18 | 1.8 | 320.2 | 3406 | 675 |
| 700 | 11.0 | 16 | 1.9 | 320.9 | 3129 | 7.9 | 16 | 1.6 | 316.4 | 3085 | 10.6 | 12 | 1.3 | 318.8 | 3107 | 9.2 | 23 | 2.4 | 320.5 | 3105 | 700 |
| 725 | 12.7 | 16 | 2.0 | 320.2 | 2836 | 9.1 | 20 | 2.0 | 316.0 | 2795 | 11.6 | 14 | 1.6 | 317.6 | 2814 | 10.0 | 31 | 3.3 | 320.9 | 2814 | 725 |
| 750 | 14.2 | 35 | 4.7 | 327.0 | 2551 | 10.2 | 42 | 4.4 | 321.2 | 2514 | 12.9 | 40 | 5.0 | 326.2 | 2530 | 12.0 | 33 | 3.9 | 321.8 | 2532 | 750 |
| 775 | 15.6 | 57 | 8.2 | 335.7 | 2273 | 11.1 | 53 | 5.7 | 323.0 | 2241 | 14.8 | 19 | 2.5 | 317.9 | 2254 | 13.2 | 40 | 4.9 | 323.2 | 2256 | 775 |
| 800 | 16.2 | 76 | 11.1 | 341.6 | 2003 | 12.5 | 55 | 6.3 | 323.4 | 1975 | 15.0 | 46 | 6.2 | 326.0 | 1986 | 14.2 | 47 | 6.0 | 324.4 | 1989 | 800 |
| 825 | 17.0 | 64 | 9.6 | 335.1 | 1740 | 14.3 | 47 | 5.8 | 321.2 | 1716 | 16.5 | 46 | 6.6 | 325.9 | 1724 | 15.7 | 49 | 6.7 | 325.4 | 1728 | 825 |
| 850 | 18.5 | 60 | 9.5 | 333.8 | 1484 | 15.0 | 57 | 7.2 | 323.1 | 1463 | 16.8 | 72 | 10.2 | 333.7 | 1470 | 16.0 | 58 | 7.8 | 325.9 | 1474 | 850 |
| 875 | 19.7 | 66 | 10.9 | 336.4 | 1235 | 14.9 | 90 | 11.0 | 330.5 | 1217 | 16.8 | 86 | 11.9 | 335.5 | 1222 | 15.5 | 91 | 11.5 | 332.9 | 1228 | 875 |
| 900 | 20.8 | 74 | 12.8 | 340.1 | 991 | 16.0 | 93 | 11.9 | 331.6 | 978 | 18.4 | 91 | 13.6 | 339.3 | 980 | 16.4 | 96 | 12.7 | 334.3 | 988 | 900 |
| 925 | 21.2 | 91 | 15.7 | 345.9 | 753 | 17.1 | 96 | 12.8 | 332.8 | 743 | 20.0 | 95 | 15.4 | 343.5 | 743 | 18.1 | 95 | 13.6 | 336.0 | 753 | 925 |
| 950 | 22.1 | 93 | 16.7 | 346.9 | 520 | 18.9 | 96 | 14.1 | 335.8 | 514 | 21.7 | 98 | 17.1 | 347.5 | 511 | 19.7 | 94 | 14.4 | 337.7 | 523 | 950 |
| 975 | 23.8 | 90 | 17.5 | 348.6 | 293 | 22.0 | 91 | 15.7 | 341.4 | 289 | 23.7 | 93 | 17.9 | 349.4 | 284 | 22.1 | 84 | 14.7 | 338.8 | 297 | 975 |
| 1000 | 25.6 | 87 | 18.2 | 350.2 | 70 | 24.9 | 86 | 17.4 | 347.1 | 67 | 25.6 | 88 | 18.5 | 351.1 | 61 | 24.5 | 75 | 14.7 | 339.3 | 75 | 1000 |
| SFC. | 26.1 | 86 | 18.5 | 350.7 | 0 | 25.8 | 85 | 17.9 | 348.9 | 0 | 26.1 | 87 | 18.7 | 351.5 | 0 | 25.3 | 72 | 14.7 | 339.3 | 0 | SFC. |
| | SURFACE PRESSURE 1007.9 | | | | | SURFACE PRESSURE 1007.6 | | | | | SURFACE PRESSURE 1006.9 | | | | | SURFACE PRESSURE 1008.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/10 2055 GMT T | RH | W | EPT | H | 3/11 010 GMT T | RH | W | EPT | H | 3/11 3 4 GMT T | RH | W | EPT | H | 3/11 6 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.8 | 0 | 0.0 | 461.4 | 19442 | -66.4 | 0 | 0.0 | 462.3 | 19574 | -66.8 | 0 | 0.0 | 461.4 | 19460 | 60 |
| 70 | -71.5 | 0 | 0.0 | 431.3 | 18610 | -75.4 | 19 | .0 | 423.1 | 18534 | -72.9 | 27 | .0 | 428.4 | 18653 | -76.8 | 37 | .0 | 420.1 | 18561 | 70 |
| 80 | -72.0 | 20 | .0 | 414.3 | 17823 | -74.8 | 20 | .0 | 408.5 | 17759 | -71.3 | 25 | .0 | 415.6 | 17867 | -73.7 | 37 | .0 | 410.7 | 17787 | 80 |
| 90 | -77.2 | 20 | .0 | 390.2 | 17133 | -78.1 | 20 | .0 | 388.4 | 17084 | -77.6 | 25 | .0 | 389.5 | 17185 | -76.7 | 37 | .0 | 391.1 | 17101 | 90 |
| 100 | -80.9 | 20 | .0 | 371.5 | 16538 | -80.5 | 21 | .0 | 372.2 | 16486 | -79.5 | 25 | .0 | 374.2 | 16585 | -81.7 | 38 | .0 | 369.9 | 16503 | 100 |
| 110 | -78.4 | 21 | .0 | 366.1 | 15998 | -78.9 | 21 | .0 | 365.2 | 15946 | -78.6 | 25 | .0 | 365.7 | 16043 | -81.1 | 37 | .0 | 361.1 | 15968 | 110 |
| 120 | -76.2 | 21 | .0 | 361.2 | 15499 | -77.4 | 20 | .0 | 358.9 | 15449 | -77.2 | 25 | .0 | 359.3 | 15546 | -78.1 | 37 | .0 | 357.7 | 15475 | 120 |
| 130 | -73.7 | 21 | .0 | 357.5 | 15034 | -75.2 | 20 | .0 | 354.8 | 14988 | -73.6 | 25 | .0 | 357.7 | 15083 | -74.7 | 37 | .0 | 355.7 | 15014 | 130 |
| 140 | -70.6 | 20 | .0 | 353.4 | 14598 | -72.1 | 20 | .0 | 352.8 | 14555 | -70.3 | 25 | .0 | 356.1 | 14646 | -71.6 | 36 | .0 | 353.8 | 14580 | 140 |
| 150 | -67.8 | 20 | .0 | 353.4 | 14186 | -68.7 | 19 | .0 | 351.8 | 14146 | -67.1 | 25 | .0 | 354.5 | 14233 | -68.7 | 36 | .0 | 351.9 | 14169 | 150 |
| 160 | -64.7 | 20 | .0 | 352.1 | 13795 | -65.5 | 19 | .0 | 350.8 | 13756 | -64.2 | 25 | .0 | 353.0 | 13841 | -65.3 | 36 | .0 | 351.2 | 13780 | 160 |
| 170 | -61.8 | 20 | .0 | 350.8 | 13423 | -62.3 | 19 | .0 | 350.1 | 13385 | -61.1 | 25 | .0 | 352.1 | 13467 | -61.9 | 36 | .0 | 350.7 | 13408 | 170 |
| 180 | -59.1 | 20 | .0 | 349.6 | 13067 | -59.2 | 19 | .0 | 349.4 | 13029 | -58.2 | 25 | .0 | 351.2 | 13109 | -58.8 | 35 | .0 | 350.2 | 13052 | 180 |
| 190 | -56.5 | 20 | .0 | 348.5 | 12726 | -56.3 | 18 | .0 | 348.7 | 12688 | -55.4 | 24 | .0 | 350.3 | 12767 | -55.8 | 35 | .0 | 349.6 | 12710 | 190 |
| 200 | -54.0 | 20 | .0 | 347.3 | 12398 | -53.6 | 18 | .0 | 348.0 | 12361 | -52.8 | 24 | .0 | 349.4 | 12438 | -53.0 | 35 | .0 | 349.0 | 12381 | 200 |
| 225 | -48.0 | 20 | .0 | 345.2 | 11632 | -48.5 | 19 | .0 | 344.4 | 11593 | -46.8 | 24 | .1 | 347.0 | 11667 | -46.9 | 38 | .1 | 347.0 | 11611 | 225 |
| 250 | -42.3 | 19 | .1 | 343.4 | 10929 | -42.5 | 19 | .1 | 343.2 | 10891 | -41.6 | 25 | .1 | 344.6 | 10961 | -42.0 | 53 | .2 | 344.4 | 10905 | 250 |
| 275 | -37.1 | 18 | .1 | 342.0 | 10277 | -37.0 | 18 | .1 | 342.0 | 10239 | -36.9 | 25 | .1 | 342.4 | 10308 | -37.4 | 55 | .3 | 342.2 | 10254 | 275 |
| 300 | -32.3 | 18 | .2 | 340.5 | 9669 | -32.3 | 18 | .2 | 340.5 | 9632 | -31.6 | 21 | .2 | 341.6 | 9699 | -32.7 | 37 | .3 | 340.5 | 9648 | 300 |
| 325 | -27.8 | 17 | .2 | 339.2 | 9100 | -28.0 | 17 | .2 | 338.9 | 9062 | -27.0 | 19 | .2 | 340.5 | 9127 | -28.2 | 23 | .3 | 338.8 | 9079 | 325 |
| 350 | -23.7 | 17 | .3 | 337.9 | 8563 | -24.1 | 17 | .3 | 337.4 | 8526 | -22.6 | 16 | .3 | 339.4 | 8588 | -23.7 | 21 | .3 | 338.2 | 8542 | 350 |
| 375 | -19.8 | 17 | .4 | 336.8 | 8055 | -21.1 | 17 | .3 | 334.9 | 8019 | -18.8 | 16 | .4 | 338.1 | 8078 | -20.3 | 19 | .4 | 336.2 | 8034 | 375 |
| 400 | -16.2 | 17 | .5 | 335.7 | 7572 | -17.0 | 17 | .4 | 334.6 | 7539 | -15.3 | 16 | .5 | 336.9 | 7594 | -17.7 | 18 | .4 | 333.6 | 7554 | 400 |
| 425 | -12.7 | 17 | .6 | 334.7 | 7113 | -13.3 | 17 | .5 | 334.0 | 7081 | -11.4 | 15 | .6 | 336.6 | 7133 | -14.6 | 18 | .5 | 332.2 | 7098 | 425 |
| 450 | -9.5 | 16 | .7 | 333.8 | 6674 | -10.6 | 17 | .6 | 332.3 | 6643 | -8.8 | 15 | .6 | 334.6 | 6692 | -11.7 | 18 | .6 | 330.8 | 6662 | 450 |
| 475 | -8.0 | 20 | .9 | 331.4 | 6255 | -8.2 | 17 | .7 | 330.6 | 6225 | -6.7 | 14 | .7 | 332.2 | 6272 | -9.6 | 44 | 1.7 | 332.0 | 6247 | 475 |
| 500 | -5.6 | 21 | 1.0 | 329.9 | 5855 | -5.4 | 17 | .9 | 329.6 | 5825 | -3.7 | 14 | .8 | 331.5 | 5869 | -6.3 | 34 | 1.6 | 331.0 | 5848 | 500 |
| 525 | -2.5 | 18 | 1.1 | 329.4 | 5470 | -2.7 | 17 | 1.0 | 328.8 | 5440 | -.8 | 13 | .9 | 330.9 | 5482 | -3.2 | 27 | 1.5 | 329.9 | 5464 | 525 |
| 550 | .2 | 16 | 1.2 | 328.4 | 5100 | -.4 | 17 | 1.1 | 327.7 | 5070 | 2.0 | 13 | 1.1 | 330.3 | 5108 | -.2 | 19 | 1.3 | 328.5 | 5094 | 550 |
| 575 | 2.3 | 15 | 1.2 | 326.9 | 4742 | 1.5 | 16 | 1.2 | 326.0 | 4713 | 4.0 | 13 | 1.2 | 328.8 | 4748 | 2.2 | 14 | 1.1 | 326.5 | 4737 | 575 |
| 600 | 3.2 | 16 | 1.3 | 324.4 | 4398 | 2.1 | 16 | 1.2 | 322.7 | 4370 | 4.5 | 14 | 1.2 | 325.6 | 4402 | 2.7 | 16 | 1.2 | 323.5 | 4393 | 600 |
| 625 | 4.0 | 18 | 1.5 | 322.0 | 4067 | 3.7 | 16 | 1.3 | 321.1 | 4040 | 5.6 | 14 | 1.3 | 323.3 | 4070 | 4.5 | 16 | 1.4 | 322.3 | 4062 | 625 |
| 650 | 6.6 | 18 | 1.7 | 322.0 | 3747 | 6.2 | 16 | 1.5 | 321.1 | 3721 | 7.9 | 15 | 1.5 | 323.1 | 3748 | 6.7 | 17 | 1.6 | 321.9 | 3741 | 650 |
| 675 | 9.2 | 17 | 1.9 | 322.2 | 3436 | 8.7 | 17 | 1.7 | 321.3 | 3410 | 10.2 | 15 | 1.7 | 323.0 | 3436 | 8.9 | 17 | 1.8 | 321.7 | 3431 | 675 |
| 700 | 11.7 | 17 | 2.1 | 322.4 | 3133 | 10.5 | 18 | 2.0 | 320.9 | 3108 | 12.4 | 16 | 2.0 | 322.9 | 3133 | 10.9 | 18 | 2.1 | 321.5 | 3129 | 700 |
| 725 | 12.2 | 21 | 2.6 | 321.2 | 2840 | 11.4 | 30 | 3.5 | 323.1 | 2816 | 14.0 | 27 | 3.8 | 326.9 | 2838 | 12.0 | 38 | 4.6 | 327.3 | 2835 | 725 |
| 750 | 13.9 | 19 | 2.5 | 320.0 | 2555 | 13.4 | 32 | 4.2 | 324.3 | 2532 | 15.4 | 27 | 3.9 | 325.8 | 2551 | 13.6 | 33 | 4.3 | 324.8 | 2551 | 750 |
| 775 | 15.6 | 17 | 2.5 | 318.7 | 2278 | 15.5 | 18 | 2.5 | 318.8 | 2255 | 17.2 | 19 | 2.9 | 321.9 | 2273 | 15.2 | 17 | 2.4 | 317.9 | 2274 | 775 |
| 800 | 17.0 | 21 | 3.1 | 319.3 | 2009 | 16.8 | 18 | 2.7 | 317.8 | 1986 | 18.9 | 18 | 3.1 | 321.3 | 2002 | 15.6 | 40 | 5.6 | 325.1 | 2005 | 800 |
| 825 | 17.3 | 40 | 6.0 | 325.3 | 1746 | 16.5 | 42 | 5.9 | 324.1 | 1724 | 19.0 | 51 | 8.5 | 334.5 | 1737 | 17.7 | 31 | 4.7 | 322.0 | 1743 | 825 |
| 850 | 18.1 | 44 | 6.7 | 325.3 | 1491 | 16.9 | 45 | 6.4 | 323.0 | 1470 | 20.2 | 41 | 7.2 | 329.1 | 1480 | 18.6 | 43 | 6.8 | 326.2 | 1488 | 850 |
| 875 | 18.5 | 48 | 7.3 | 324.9 | 1243 | 17.7 | 50 | 7.3 | 323.8 | 1222 | 21.2 | 47 | 8.6 | 331.5 | 1230 | 18.7 | 69 | 10.7 | 334.6 | 1239 | 875 |
| 900 | 19.3 | 55 | 8.6 | 326.6 | 1001 | 19.3 | 48 | 7.5 | 323.6 | 980 | 22.2 | 54 | 10.0 | 334.1 | 985 | 19.2 | 78 | 12.2 | 336.4 | 996 | 900 |
| 925 | 20.5 | 59 | 9.7 | 328.5 | 764 | 20.8 | 64 | 10.8 | 331.7 | 744 | 23.1 | 59 | 11.5 | 336.7 | 746 | 19.7 | 87 | 13.6 | 338.2 | 759 | 925 |
| 950 | 21.6 | 76 | 13.1 | 336.4 | 533 | 20.3 | 70 | 11.1 | 329.5 | 514 | 24.1 | 65 | 13.1 | 339.5 | 513 | 20.8 | 91 | 15.0 | 340.7 | 529 | 950 |
| 975 | 23.3 | 78 | 14.5 | 339.8 | 307 | 22.6 | 67 | 12.0 | 332.0 | 288 | 25.0 | 71 | 14.7 | 342.3 | 284 | 23.1 | 88 | 16.3 | 344.4 | 302 | 975 |
| 1000 | 26.0 | 82 | 17.5 | 348.8 | 84 | 24.9 | 73 | 14.6 | 339.4 | 66 | 27.3 | 74 | 17.3 | 350.0 | 60 | 25.2 | 86 | 17.6 | 348.2 | 79 | 1000 |
| SFC. | 27.0 | 83 | 18.8 | 352.6 | 0 | 27.7 | 80 | 18.9 | 354.1 | 0 | 28.2 | 75 | 18.2 | 353.0 | 0 | 26.0 | 85 | 18.1 | 349.5 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.5 | SURFACE PRESSURE | | | | 1007.5 | SURFACE PRESSURE | | | | 1006.8 | SURFACE PRESSURE | | | | 1009.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/11 835 GMT | | | | | 3/11 12 0 GMT | | | | | 3/12 620 GMT | | | | | 3/12 12 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.0 | 0 | 0.0 | 465.4 | 19460 | -65.3 | 0 | 0.0 | 464.7 | 19449 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.2 | 0 | 0.0 | 467.2 | 19438 | 60 |
| 70 | -75.9 | 0 | 0.0 | 422.0 | 18545 | -68.4 | 0 | 0.0 | 438.2 | 18514 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.1 | 0 | 0.0 | 430.1 | 18517 | 70 |
| 80 | -75.7 | 36 | .0 | 406.7 | 17772 | -73.6 | 0 | 0.0 | 410.9 | 17731 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.7 | 0 | 0.0 | 408.7 | 17737 | 80 |
| 90 | -79.4 | 36 | .0 | 385.9 | 17098 | -78.4 | 39 | .0 | 387.9 | 17050 | -81.8 | 54 | .0 | 381.1 | 17107 | -79.8 | 47 | .0 | 384.9 | 17057 | 90 |
| 100 | -81.0 | 36 | .0 | 371.2 | 16503 | -80.9 | 39 | .0 | 371.5 | 16453 | -82.3 | 54 | .0 | 368.7 | 16517 | -81.4 | 47 | .0 | 370.5 | 16464 | 100 |
| 110 | -81.5 | 36 | .0 | 360.3 | 15968 | -81.5 | 38 | .0 | 360.4 | 15920 | -79.1 | 54 | .0 | 364.8 | 15980 | -79.2 | 47 | .0 | 364.7 | 15926 | 110 |
| 120 | -77.7 | 36 | .0 | 358.4 | 15475 | -78.9 | 38 | .0 | 356.3 | 15429 | -76.2 | 54 | .0 | 361.2 | 15482 | -77.2 | 47 | .0 | 359.4 | 15429 | 120 |
| 130 | -74.3 | 35 | .0 | 356.5 | 15012 | -75.3 | 38 | .0 | 354.7 | 14969 | -73.5 | 54 | .0 | 357.9 | 15017 | -75.2 | 47 | .0 | 354.9 | 14967 | 130 |
| 140 | -71.1 | 35 | .0 | 354.7 | 14577 | -72.0 | 38 | .0 | 353.1 | 14536 | -70.8 | 54 | .0 | 355.1 | 14581 | -71.9 | 47 | .0 | 353.2 | 14534 | 140 |
| 150 | -68.1 | 35 | .0 | 352.9 | 14166 | -68.9 | 37 | .0 | 351.5 | 14126 | -67.6 | 55 | .0 | 353.8 | 14169 | -68.9 | 47 | .0 | 351.5 | 14125 | 150 |
| 160 | -65.0 | 35 | .0 | 351.6 | 13776 | -66.0 | 37 | .0 | 350.0 | 13737 | -65.0 | 55 | .0 | 351.7 | 13777 | -66.1 | 47 | .0 | 349.9 | 13736 | 160 |
| 170 | -62.1 | 34 | .0 | 350.5 | 13403 | -63.2 | 37 | .0 | 348.5 | 13367 | -62.8 | 56 | .0 | 349.3 | 13406 | -63.4 | 47 | .0 | 348.3 | 13366 | 170 |
| 180 | -59.3 | 34 | .0 | 349.4 | 13048 | -60.4 | 37 | .0 | 347.6 | 13013 | -60.1 | 57 | .0 | 348.1 | 13052 | -60.9 | 47 | .0 | 346.7 | 13013 | 180 |
| 190 | -56.7 | 34 | .0 | 348.3 | 12707 | -57.4 | 36 | .0 | 347.0 | 12674 | -57.5 | 58 | .0 | 346.9 | 12712 | -58.4 | 47 | .0 | 345.5 | 12675 | 190 |
| 200 | -54.2 | 34 | .0 | 347.2 | 12380 | -54.7 | 36 | .0 | 346.4 | 12348 | -55.1 | 59 | .1 | 345.9 | 12386 | -55.4 | 47 | .0 | 345.2 | 12350 | 200 |
| 225 | -48.2 | 34 | .1 | 345.0 | 11615 | -48.3 | 35 | .1 | 344.8 | 11583 | -48.7 | 62 | .1 | 344.4 | 11623 | -48.8 | 51 | .1 | 344.1 | 11587 | 225 |
| 250 | -41.4 | 40 | .2 | 345.2 | 10910 | -42.6 | 35 | .1 | 343.3 | 10881 | -43.0 | 64 | .2 | 343.0 | 10922 | -43.7 | 63 | .2 | 342.0 | 10888 | 250 |
| 275 | -36.7 | 35 | .2 | 342.9 | 10257 | -37.8 | 48 | .3 | 341.5 | 10231 | -37.7 | 60 | .3 | 341.9 | 10272 | -38.2 | 61 | .3 | 341.1 | 10240 | 275 |
| 300 | -32.7 | 57 | .5 | 341.2 | 9649 | -32.5 | 51 | .4 | 341.2 | 9625 | -32.2 | 56 | .5 | 341.8 | 9665 | -34.2 | 69 | .5 | 339.1 | 9636 | 300 |
| 325 | -28.4 | 17 | .2 | 338.3 | 9080 | -28.9 | 67 | .7 | 339.6 | 9056 | -28.8 | 66 | .7 | 339.7 | 9096 | -30.1 | 66 | .6 | 337.6 | 9071 | 325 |
| 350 | -23.8 | 15 | .2 | 337.6 | 8544 | -24.9 | 24 | .4 | 336.6 | 8522 | -24.8 | 55 | .8 | 338.4 | 8561 | -25.8 | 47 | .6 | 336.4 | 8538 | 350 |
| 375 | -20.3 | 15 | .3 | 335.9 | 8037 | -20.6 | 17 | .3 | 335.6 | 8016 | -20.6 | 40 | .8 | 337.2 | 8055 | -21.7 | 42 | .8 | 335.7 | 8034 | 375 |
| 400 | -17.3 | 16 | .4 | 334.1 | 7556 | -17.5 | 20 | .5 | 334.1 | 7536 | -16.5 | 41 | 1.1 | 337.5 | 7574 | -17.3 | 31 | .8 | 335.3 | 7555 | 400 |
| 425 | -14.4 | 17 | .5 | 332.3 | 7099 | -13.8 | 17 | .5 | 333.2 | 7078 | -12.9 | 31 | 1.0 | 336.2 | 7115 | -13.3 | 21 | .7 | 334.4 | 7097 | 425 |
| 450 | -11.7 | 17 | .6 | 330.7 | 6663 | -11.2 | 17 | .6 | 331.4 | 6642 | -9.3 | 18 | .7 | 334.2 | 6676 | -10.0 | 18 | .7 | 333.3 | 6659 | 450 |
| 475 | -9.3 | 44 | 1.8 | 332.6 | 6247 | -9.2 | 29 | 1.2 | 330.7 | 6225 | -6.6 | 15 | .7 | 332.5 | 6256 | -6.9 | 16 | .8 | 332.2 | 6240 | 475 |
| 500 | -6.5 | 30 | 1.4 | 330.0 | 5848 | -7.3 | 36 | 1.6 | 329.7 | 5827 | -4.8 | 22 | 1.2 | 331.5 | 5854 | -5.2 | 17 | .9 | 329.9 | 5838 | 500 |
| 525 | -3.8 | 19 | 1.0 | 327.7 | 5465 | -4.3 | 26 | 1.4 | 328.1 | 5445 | -3.1 | 30 | 1.7 | 330.7 | 5469 | -3.3 | 17 | 1.0 | 328.0 | 5454 | 525 |
| 550 | -.9 | 16 | 1.1 | 326.8 | 5096 | -.9 | 21 | 1.3 | 327.7 | 5076 | -.7 | 18 | 1.2 | 327.4 | 5099 | -1.5 | 18 | 1.1 | 326.2 | 5085 | 550 |
| 575 | 1.9 | 14 | 1.0 | 325.8 | 4740 | 1.6 | 17 | 1.3 | 326.3 | 4720 | 1.2 | 18 | 1.3 | 326.0 | 4743 | .6 | 18 | 1.2 | 324.9 | 4730 | 575 |
| 600 | 2.9 | 14 | 1.1 | 323.2 | 4396 | 2.1 | 17 | 1.3 | 323.0 | 4377 | 3.1 | 18 | 1.4 | 324.7 | 4400 | 2.8 | 17 | 1.3 | 324.0 | 4387 | 600 |
| 625 | 4.4 | 14 | 1.2 | 321.7 | 4065 | 3.6 | 24 | 1.9 | 323.0 | 4046 | 5.0 | 18 | 1.6 | 323.5 | 4068 | 4.9 | 17 | 1.5 | 323.0 | 4055 | 625 |
| 650 | 6.6 | 15 | 1.4 | 321.2 | 3745 | 5.6 | 25 | 2.2 | 322.5 | 3727 | 7.7 | 16 | 1.6 | 323.2 | 3747 | 6.9 | 17 | 1.6 | 322.1 | 3735 | 650 |
| 675 | 8.6 | 16 | 1.6 | 320.9 | 3434 | 7.6 | 23 | 2.2 | 321.5 | 3417 | 10.0 | 16 | 1.8 | 322.9 | 3434 | 8.8 | 16 | 1.7 | 321.2 | 3424 | 675 |
| 700 | 10.6 | 16 | 1.9 | 320.5 | 3132 | 9.5 | 22 | 2.3 | 320.6 | 3117 | 11.8 | 17 | 2.1 | 322.7 | 3132 | 10.3 | 25 | 2.8 | 323.2 | 3122 | 700 |
| 725 | 12.3 | 21 | 2.6 | 321.6 | 2839 | 11.0 | 37 | 4.2 | 324.8 | 2825 | 13.2 | 26 | 3.4 | 324.8 | 2837 | 11.6 | 37 | 4.4 | 326.2 | 2830 | 725 |
| 750 | 13.1 | 33 | 4.1 | 323.9 | 2555 | 13.1 | 23 | 2.9 | 320.1 | 2541 | 14.2 | 26 | 3.5 | 323.3 | 2552 | 13.6 | 31 | 4.0 | 324.1 | 2545 | 750 |
| 775 | 15.1 | 21 | 2.8 | 319.2 | 2279 | 14.3 | 24 | 3.2 | 319.4 | 2265 | 15.3 | 20 | 2.8 | 319.5 | 2275 | 15.5 | 25 | 3.5 | 321.6 | 2268 | 775 |
| 800 | 16.1 | 24 | 3.4 | 319.1 | 2010 | 15.6 | 25 | 3.5 | 318.7 | 1997 | 16.3 | 25 | 3.6 | 320.0 | 2006 | 17.2 | 20 | 3.1 | 319.5 | 1998 | 800 |
| 825 | 17.1 | 27 | 4.0 | 319.1 | 1748 | 15.6 | 68 | 9.3 | 332.4 | 1736 | 16.7 | 41 | 6.0 | 324.5 | 1744 | 17.3 | 35 | 5.3 | 323.2 | 1736 | 825 |
| 850 | 17.2 | 60 | 8.7 | 329.9 | 1493 | 16.3 | 74 | 10.2 | 333.0 | 1482 | 17.7 | 58 | 8.7 | 330.7 | 1489 | 17.2 | 61 | 8.8 | 330.4 | 1481 | 850 |
| 875 | 18.4 | 61 | 9.3 | 330.4 | 1245 | 18.0 | 75 | 11.2 | 335.1 | 1233 | 18.8 | 74 | 11.7 | 337.4 | 1240 | 17.8 | 82 | 12.0 | 337.1 | 1233 | 875 |
| 900 | 19.5 | 70 | 11.1 | 333.9 | 1003 | 18.5 | 87 | 13.1 | 338.2 | 991 | 19.4 | 76 | 12.1 | 336.3 | 997 | 18.6 | 91 | 13.7 | 339.9 | 991 | 900 |
| 925 | 20.7 | 74 | 12.3 | 335.9 | 766 | 19.1 | 98 | 14.9 | 341.0 | 755 | 19.4 | 94 | 14.6 | 340.3 | 761 | 19.7 | 96 | 15.1 | 342.3 | 754 | 925 |
| 950 | 20.9 | 92 | 15.3 | 341.7 | 534 | 20.4 | 99 | 16.0 | 342.8 | 524 | 20.9 | 97 | 16.1 | 343.7 | 530 | 21.3 | 92 | 15.7 | 343.2 | 523 | 950 |
| 975 | 22.7 | 92 | 16.7 | 344.9 | 308 | 22.8 | 93 | 17.0 | 345.8 | 297 | 23.1 | 92 | 16.9 | 346.1 | 303 | 22.9 | 89 | 16.2 | 344.0 | 296 | 975 |
| 1000 | 24.8 | 88 | 17.6 | 347.4 | 85 | 25.2 | 87 | 17.9 | 348.7 | 75 | 25.2 | 86 | 17.8 | 348.5 | 80 | 24.5 | 85 | 16.7 | 344.6 | 74 | 1000 |
| SFC. | 25.6 | 86 | 17.9 | 348.3 | 0 | 26.0 | 85 | 18.1 | 349.6 | 0 | 26.3 | 84 | 18.2 | 350.2 | 0 | 25.0 | 84 | 16.9 | 344.8 | 0 | SFC. |
| | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1008.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/12 1840 GMT | | | | | 3/13 18 0 GMT | | | | | 3/14 030 GMT | | | | | 3/14 315 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -64.2 | 0 | 0.0 | 467.2 | 19462 | -63.2 | 0 | 0.0 | 469.4 | 19518 | -61.7 | 0 | 0.0 | 472.7 | 19533 | -61.8 | 0 | 0.0 | 472.6 | 19559 | 60 |
| 70 | -69.4 | 0 | 0.0 | 435.9 | 18536 | -68.9 | 15 | .0 | 437.0 | 18585 | -69.7 | 0 | 0.0 | 435.3 | 18584 | -73.3 | 0 | 0.0 | 427.6 | 18626 | 70 |
| 80 | -73.9 | 0 | 0.0 | 410.4 | 17748 | -75.7 | 15 | .0 | 406.6 | 17798 | -78.0 | 0 | 0.0 | 401.9 | 17804 | -80.3 | 20 | .0 | 397.2 | 17854 | 80 |
| 90 | -78.2 | 0 | 0.0 | 388.2 | 17068 | -79.0 | 15 | .0 | 386.6 | 17124 | -80.4 | 18 | .0 | 383.8 | 17138 | -81.7 | 20 | .0 | 381.1 | 17194 | 90 |
| 100 | -79.6 | 21 | .0 | 374.0 | 16470 | -80.2 | 15 | .0 | 372.8 | 16526 | -80.5 | 19 | .0 | 372.2 | 16543 | -79.6 | 19 | .0 | 374.0 | 16601 | 100 |
| 110 | -77.1 | 21 | .0 | 368.5 | 15927 | -79.4 | 14 | .0 | 364.2 | 15987 | -77.3 | 18 | .0 | 368.2 | 16001 | -79.2 | 19 | .0 | 364.6 | 16060 | 110 |
| 120 | -75.1 | 21 | .0 | 363.3 | 15423 | -77.2 | 15 | .0 | 359.3 | 15491 | -76.4 | 18 | .0 | 360.8 | 15502 | -75.6 | 19 | .0 | 362.3 | 15562 | 120 |
| 130 | -73.6 | 21 | .0 | 357.7 | 14958 | -74.2 | 15 | .0 | 356.6 | 15029 | -73.0 | 18 | .0 | 358.7 | 15036 | -72.3 | 18 | .0 | 360.1 | 15095 | 130 |
| 140 | -71.2 | 21 | .0 | 354.5 | 14523 | -70.7 | 15 | .0 | 355.2 | 14593 | -69.9 | 18 | .0 | 356.7 | 14599 | -69.2 | 18 | .0 | 357.9 | 14655 | 140 |
| 150 | -67.9 | 21 | .0 | 353.2 | 14111 | -67.5 | 15 | .0 | 353.8 | 14181 | -67.0 | 17 | .0 | 354.8 | 14185 | -66.1 | 18 | .0 | 356.2 | 14240 | 150 |
| 160 | -66.0 | 21 | .0 | 350.0 | 13723 | -64.5 | 15 | .0 | 352.5 | 13789 | -64.2 | 17 | .0 | 352.9 | 13793 | -63.2 | 17 | .0 | 354.7 | 13846 | 160 |
| 170 | -62.8 | 21 | .0 | 349.3 | 13352 | -61.5 | 15 | .0 | 351.4 | 13416 | -61.6 | 17 | .0 | 351.3 | 13419 | -60.5 | 17 | .0 | 353.1 | 13471 | 170 |
| 180 | -59.7 | 20 | .0 | 348.6 | 12997 | -58.6 | 14 | .0 | 350.4 | 13059 | -58.5 | 17 | .0 | 350.6 | 13063 | -57.8 | 17 | .0 | 351.8 | 13113 | 180 |
| 190 | -56.9 | 20 | .0 | 347.9 | 12657 | -55.9 | 14 | .0 | 349.4 | 12718 | -55.6 | 18 | .0 | 349.9 | 12721 | -54.8 | 17 | .0 | 351.2 | 12769 | 190 |
| 200 | -54.4 | 20 | .0 | 346.7 | 12330 | -53.3 | 14 | .0 | 348.4 | 12389 | -52.9 | 18 | .0 | 349.2 | 12392 | -52.0 | 16 | .0 | 350.6 | 12439 | 200 |
| 225 | -49.6 | 21 | .0 | 342.7 | 11569 | -47.5 | 13 | .0 | 345.9 | 11621 | -47.5 | 18 | .0 | 345.9 | 11622 | -46.5 | 16 | .0 | 347.4 | 11665 | 225 |
| 250 | -43.8 | 22 | .1 | 341.2 | 10871 | -42.8 | 12 | .0 | 342.7 | 10918 | -43.1 | 17 | .1 | 342.3 | 10919 | -42.3 | 16 | .1 | 343.5 | 10961 | 250 |
| 275 | -38.5 | 22 | .1 | 339.9 | 10223 | -37.2 | 12 | .1 | 341.6 | 10267 | -38.3 | 16 | .1 | 340.1 | 10271 | -37.2 | 15 | .1 | 341.8 | 10310 | 275 |
| 300 | -33.0 | 20 | .2 | 339.5 | 9618 | -31.9 | 12 | .1 | 340.8 | 9659 | -33.4 | 16 | .1 | 338.8 | 9666 | -31.8 | 15 | .1 | 341.2 | 9702 | 300 |
| 325 | -29.4 | 21 | .2 | 337.0 | 9050 | -27.1 | 11 | .1 | 340.0 | 9088 | -27.9 | 15 | .2 | 339.0 | 9098 | -26.6 | 15 | .2 | 340.9 | 9130 | 325 |
| 350 | -26.5 | 29 | .4 | 334.4 | 8518 | -22.6 | 11 | .2 | 339.2 | 8549 | -22.8 | 14 | .3 | 339.0 | 8560 | -21.8 | 14 | .3 | 340.5 | 8589 | 350 |
| 375 | -22.4 | 26 | .4 | 333.6 | 8016 | -18.7 | 11 | .3 | 337.8 | 8039 | -18.5 | 14 | .3 | 338.5 | 8050 | -17.3 | 14 | .4 | 340.1 | 8077 | 375 |
| 400 | -18.6 | 23 | .5 | 332.7 | 7538 | -16.1 | 11 | .3 | 335.3 | 7555 | -15.1 | 14 | .4 | 337.0 | 7565 | -14.2 | 14 | .4 | 338.3 | 7590 | 400 |
| 425 | -14.5 | 19 | .6 | 332.5 | 7082 | -13.0 | 10 | .3 | 333.6 | 7096 | -12.3 | 14 | .5 | 335.1 | 7104 | -11.4 | 14 | .5 | 336.3 | 7128 | 425 |
| 450 | -10.9 | 16 | .6 | 331.9 | 6646 | -10.4 | 10 | .4 | 331.7 | 6658 | -9.6 | 15 | .6 | 333.4 | 6665 | -8.8 | 14 | .6 | 334.5 | 6687 | 450 |
| 475 | -7.8 | 15 | .7 | 330.8 | 6228 | -8.7 | 12 | .5 | 329.1 | 6241 | -8.4 | 15 | .6 | 329.9 | 6246 | -6.8 | 14 | .7 | 332.1 | 6267 | 475 |
| 500 | -7.0 | 18 | .8 | 327.4 | 5828 | -5.6 | 11 | .6 | 328.3 | 5841 | -5.2 | 15 | .8 | 329.5 | 5846 | -4.2 | 14 | .8 | 330.8 | 5865 | 500 |
| 525 | -4.6 | 18 | .9 | 326.1 | 5446 | -2.7 | 10 | .6 | 327.4 | 5456 | -2.0 | 14 | .9 | 329.3 | 5461 | -1.1 | 14 | .9 | 330.5 | 5478 | 525 |
| 550 | -2.4 | 18 | 1.0 | 324.9 | 5078 | -1.5 | 11 | .7 | 324.7 | 5087 | .6 | 14 | 1.0 | 328.5 | 5089 | 1.9 | 14 | 1.1 | 330.3 | 5105 | 550 |
| 575 | -.2 | 17 | 1.1 | 323.7 | 4724 | .6 | 12 | .8 | 323.6 | 4732 | 1.1 | 17 | 1.2 | 325.4 | 4732 | 1.6 | 16 | 1.2 | 326.0 | 4747 | 575 |
| 600 | 1.8 | 17 | 1.3 | 322.6 | 4383 | 2.6 | 13 | 1.0 | 322.6 | 4390 | 3.1 | 21 | 1.7 | 325.5 | 4389 | 3.4 | 21 | 1.7 | 325.9 | 4403 | 600 |
| 625 | 3.8 | 17 | 1.4 | 321.5 | 4052 | 3.9 | 17 | 1.4 | 321.7 | 4059 | 5.1 | 26 | 2.2 | 325.8 | 4057 | 5.5 | 27 | 2.5 | 327.1 | 4071 | 625 |
| 650 | 5.7 | 17 | 1.5 | 320.5 | 3733 | 5.1 | 23 | 1.9 | 321.1 | 3740 | 7.0 | 30 | 2.9 | 326.3 | 3736 | 7.8 | 30 | 3.1 | 327.9 | 3749 | 650 |
| 675 | 7.1 | 31 | 2.9 | 323.1 | 3424 | 7.2 | 28 | 2.7 | 322.4 | 3430 | 8.8 | 34 | 3.6 | 327.1 | 3425 | 10.2 | 23 | 2.7 | 325.9 | 3437 | 675 |
| 700 | 9.6 | 25 | 2.7 | 321.8 | 3123 | 8.9 | 29 | 2.9 | 321.8 | 3130 | 10.4 | 21 | 2.4 | 321.9 | 3123 | 11.1 | 20 | 2.3 | 322.5 | 3134 | 700 |
| 725 | 11.2 | 28 | 3.2 | 322.0 | 2831 | 10.2 | 24 | 2.6 | 319.1 | 2839 | 12.2 | 23 | 2.9 | 322.3 | 2830 | 12.9 | 25 | 3.2 | 324.0 | 2840 | 725 |
| 750 | 12.9 | 29 | 3.5 | 321.8 | 2548 | 11.6 | 33 | 3.7 | 320.8 | 2557 | 14.0 | 29 | 3.8 | 324.0 | 2545 | 14.8 | 32 | 4.5 | 327.0 | 2555 | 750 |
| 775 | 15.1 | 20 | 2.7 | 318.8 | 2271 | 13.1 | 47 | 5.7 | 325.5 | 2282 | 15.8 | 33 | 4.8 | 326.0 | 2268 | 16.6 | 39 | 6.0 | 330.3 | 2276 | 775 |
| 800 | 12.3 | 39 | 4.3 | 317.6 | 2004 | 14.2 | 58 | 7.4 | 328.6 | 2014 | 15.8 | 46 | 6.5 | 327.9 | 1998 | 17.5 | 47 | 7.4 | 332.5 | 2006 | 800 |
| 825 | 13.1 | 57 | 6.6 | 321.9 | 1745 | 15.0 | 65 | 8.5 | 329.5 | 1754 | 16.6 | 53 | 7.6 | 329.0 | 1736 | 18.5 | 51 | 8.3 | 333.4 | 1742 | 825 |
| 850 | 15.0 | 90 | 11.4 | 334.7 | 1493 | 15.8 | 82 | 10.9 | 334.5 | 1500 | 17.5 | 58 | 8.6 | 330.0 | 1481 | 19.6 | 53 | 9.0 | 333.6 | 1485 | 850 |
| 875 | 16.1 | 95 | 12.6 | 336.5 | 1246 | 16.9 | 98 | 13.7 | 340.7 | 1252 | 18.9 | 58 | 9.1 | 330.4 | 1233 | 20.7 | 55 | 9.6 | 333.9 | 1235 | 875 |
| 900 | 17.4 | 94 | 13.1 | 336.6 | 1005 | 18.5 | 94 | 14.2 | 341.0 | 1010 | 20.3 | 58 | 9.7 | 330.7 | 990 | 21.7 | 57 | 10.3 | 334.3 | 990 | 900 |
| 925 | 18.9 | 91 | 13.7 | 337.4 | 770 | 20.0 | 91 | 14.6 | 341.3 | 774 | 21.6 | 58 | 10.2 | 331.1 | 752 | 22.6 | 60 | 11.2 | 335.3 | 752 | 925 |
| 950 | 20.4 | 89 | 14.3 | 338.1 | 539 | 21.5 | 87 | 15.0 | 341.4 | 542 | 22.8 | 58 | 10.7 | 331.5 | 520 | 23.3 | 68 | 13.0 | 338.3 | 519 | 950 |
| 975 | 21.8 | 87 | 14.8 | 338.8 | 313 | 22.9 | 84 | 15.3 | 341.5 | 315 | 24.1 | 58 | 11.3 | 332.0 | 293 | 25.0 | 69 | 14.3 | 341.5 | 291 | 975 |
| 1000 | 23.9 | 86 | 16.3 | 342.8 | 92 | 24.8 | 86 | 17.1 | 346.1 | 93 | 25.9 | 60 | 12.7 | 335.4 | 71 | 26.7 | 71 | 15.8 | 345.0 | 67 | 1000 |
| SFC. | 26.1 | 90 | 19.3 | 352.7 | 0 | 25.8 | 89 | 18.7 | 350.8 | 0 | 28.8 | 66 | 16.6 | 349.0 | 0 | 27.2 | 71 | 16.2 | 346.1 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1010.6 | | | | | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1007.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/14 620 GMT T | RH | W | EPT | H | 3/14 845 GMT T | RH | W | EPT | H | 3/14 1225 GMT T | RH | W | EPT | H | 3/14 15 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.8 | 0 | 0.0 | 468.1 | 19509 | -63.2 | 0 | 0.0 | 469.4 | 19572 | -63.5 | 0 | 0.0 | 468.9 | 19467 | -64.1 | 0 | 0.0 | 467.4 | 19489 | 60 |
| 70 | -67.8 | 0 | 0.0 | 439.4 | 18565 | -68.8 | 19 | .0 | 437.3 | 18629 | -67.9 | 0 | 0.0 | 439.1 | 18526 | -69.4 | 0 | 0.0 | 435.9 | 18548 | 70 |
| 80 | -78.0 | 0 | 0.0 | 401.9 | 17784 | -76.9 | 19 | .0 | 404.1 | 17843 | -77.1 | 0 | 0.0 | 403.7 | 17739 | -78.4 | 0 | 0.0 | 401.1 | 17767 | 80 |
| 90 | -83.8 | 19 | .0 | 377.0 | 17124 | -82.7 | 19 | .0 | 379.1 | 17183 | -81.9 | 22 | .0 | 380.8 | 17077 | -81.6 | 22 | .0 | 381.4 | 17107 | 90 |
| 100 | -80.5 | 19 | .0 | 372.2 | 16535 | -80.6 | 19 | .0 | 372.0 | 16592 | -80.3 | 25 | .0 | 372.6 | 16485 | -81.2 | 23 | .0 | 370.8 | 16515 | 100 |
| 110 | -82.2 | 19 | .0 | 359.0 | 15999 | -80.2 | 19 | .0 | 362.9 | 16055 | -80.7 | 25 | .0 | 361.8 | 15948 | -80.0 | 23 | .0 | 363.1 | 15979 | 110 |
| 120 | -77.6 | 18 | .0 | 358.6 | 15507 | -76.6 | 19 | .0 | 360.5 | 15558 | -77.6 | 25 | .0 | 358.6 | 15454 | -77.0 | 22 | .0 | 359.7 | 15483 | 120 |
| 130 | -73.6 | 18 | .0 | 357.6 | 15044 | -73.3 | 19 | .0 | 358.2 | 15094 | -74.7 | 25 | .0 | 355.7 | 14992 | -74.1 | 21 | .0 | 356.8 | 15020 | 130 |
| 140 | -70.6 | 18 | .0 | 355.5 | 14607 | -70.1 | 19 | .0 | 356.3 | 14657 | -71.5 | 25 | .0 | 353.8 | 14558 | -70.8 | 20 | .0 | 355.2 | 14584 | 140 |
| 150 | -67.7 | 17 | .0 | 353.5 | 14195 | -66.7 | 18 | .0 | 355.2 | 14243 | -68.4 | 24 | .0 | 352.4 | 14148 | -67.7 | 20 | .0 | 353.6 | 14172 | 150 |
| 160 | -65.0 | 17 | .0 | 351.6 | 13804 | -63.6 | 18 | .0 | 354.0 | 13850 | -65.4 | 24 | .0 | 351.0 | 13758 | -64.8 | 20 | .0 | 352.0 | 13781 | 160 |
| 170 | -62.5 | 17 | .0 | 349.7 | 13432 | -60.7 | 18 | .0 | 352.8 | 13475 | -62.6 | 23 | .0 | 349.6 | 13386 | -62.0 | 19 | .0 | 350.5 | 13408 | 170 |
| 180 | -59.3 | 17 | .0 | 349.2 | 13077 | -57.9 | 17 | .0 | 351.6 | 13117 | -59.9 | 23 | .0 | 348.4 | 13032 | -59.4 | 19 | .0 | 349.1 | 13053 | 180 |
| 190 | -56.3 | 17 | .0 | 348.7 | 12736 | -55.3 | 17 | .0 | 350.5 | 12775 | -56.8 | 23 | .0 | 348.0 | 12692 | -56.4 | 19 | .0 | 348.6 | 12712 | 190 |
| 200 | -53.5 | 17 | .0 | 348.2 | 12408 | -52.4 | 17 | .0 | 349.9 | 12445 | -53.9 | 23 | .0 | 347.6 | 12364 | -53.6 | 19 | .0 | 347.9 | 12384 | 200 |
| 225 | -46.9 | 16 | .0 | 346.8 | 11639 | -46.4 | 16 | .0 | 347.6 | 11673 | -48.1 | 22 | .0 | 345.0 | 11598 | -47.2 | 18 | .0 | 346.4 | 11616 | 225 |
| 250 | -42.6 | 16 | .1 | 343.0 | 10934 | -41.8 | 15 | .1 | 344.2 | 10966 | -43.1 | 21 | .1 | 342.3 | 10896 | -41.7 | 18 | .1 | 344.4 | 10910 | 250 |
| 275 | -38.0 | 15 | .1 | 340.5 | 10284 | -37.6 | 15 | .1 | 341.1 | 10314 | -38.2 | 20 | .1 | 340.3 | 10247 | -36.9 | 17 | .1 | 342.2 | 10258 | 275 |
| 300 | -32.9 | 15 | .1 | 339.5 | 9678 | -32.1 | 15 | .1 | 340.6 | 9707 | -32.9 | 19 | .2 | 339.6 | 9642 | -32.2 | 17 | .1 | 340.6 | 9650 | 300 |
| 325 | -28.0 | 14 | .2 | 338.8 | 9109 | -27.1 | 14 | .2 | 340.1 | 9136 | -28.1 | 19 | .2 | 338.9 | 9073 | -28.0 | 16 | .2 | 338.9 | 9080 | 325 |
| 350 | -23.4 | 14 | .2 | 338.1 | 8572 | -22.4 | 14 | .3 | 339.6 | 8597 | -23.5 | 19 | .3 | 338.3 | 8536 | -23.3 | 16 | .3 | 338.4 | 8543 | 350 |
| 375 | -19.0 | 14 | .3 | 337.8 | 8063 | -18.0 | 13 | .3 | 339.2 | 8086 | -19.3 | 18 | .4 | 337.6 | 8027 | -18.9 | 16 | .4 | 338.1 | 8034 | 375 |
| 400 | -14.8 | 14 | .4 | 337.4 | 7579 | -13.8 | 13 | .4 | 338.7 | 7599 | -15.4 | 18 | .5 | 337.0 | 7544 | -14.7 | 15 | .5 | 337.7 | 7549 | 400 |
| 425 | -12.7 | 14 | .5 | 334.5 | 7118 | -11.7 | 13 | .5 | 335.9 | 7137 | -12.0 | 18 | .6 | 335.9 | 7083 | -10.9 | 15 | .6 | 337.3 | 7086 | 425 |
| 450 | -10.0 | 14 | .5 | 332.8 | 6680 | -9.9 | 14 | .6 | 332.8 | 6698 | -10.7 | 18 | .7 | 332.3 | 6644 | -9.8 | 16 | .6 | 333.2 | 6646 | 450 |
| 475 | -6.9 | 13 | .6 | 331.8 | 6261 | -6.3 | 13 | .7 | 332.6 | 6278 | -7.9 | 18 | .8 | 331.2 | 6227 | -7.6 | 17 | .8 | 331.3 | 6228 | 475 |
| 500 | -5.0 | 13 | .7 | 329.5 | 5859 | -4.7 | 13 | .7 | 329.9 | 5876 | -6.2 | 17 | .8 | 328.5 | 5827 | -6.0 | 16 | .8 | 328.6 | 5827 | 500 |
| 525 | -2.4 | 13 | .8 | 328.4 | 5474 | -1.9 | 13 | .8 | 329.2 | 5490 | -3.4 | 17 | 1.0 | 327.9 | 5443 | -3.6 | 16 | .9 | 327.4 | 5444 | 525 |
| 550 | .4 | 13 | .9 | 327.9 | 5103 | .8 | 14 | 1.0 | 328.6 | 5118 | -.7 | 18 | 1.2 | 327.4 | 5073 | -1.2 | 16 | 1.0 | 326.2 | 5074 | 550 |
| 575 | 1.9 | 20 | 1.5 | 327.6 | 4745 | 1.8 | 22 | 1.6 | 327.8 | 4760 | .4 | 22 | 1.5 | 325.6 | 4717 | .3 | 24 | 1.6 | 325.8 | 4719 | 575 |
| 600 | 2.6 | 30 | 2.3 | 326.9 | 4402 | 2.9 | 24 | 1.9 | 325.9 | 4417 | 1.8 | 28 | 2.0 | 324.9 | 4375 | 1.3 | 38 | 2.7 | 326.3 | 4377 | 600 |
| 625 | 4.5 | 30 | 2.5 | 325.9 | 4071 | 4.7 | 21 | 1.8 | 323.8 | 4085 | 3.5 | 33 | 2.6 | 324.9 | 4045 | 3.3 | 42 | 3.2 | 326.7 | 4048 | 625 |
| 650 | 6.4 | 36 | 3.4 | 327.2 | 3750 | 6.6 | 36 | 3.3 | 327.3 | 3765 | 4.7 | 49 | 4.0 | 327.2 | 3726 | 5.6 | 33 | 2.9 | 324.8 | 3728 | 650 |
| 675 | 8.6 | 52 | 5.4 | 332.3 | 3439 | 9.0 | 29 | 3.1 | 325.7 | 3454 | 7.5 | 36 | 3.4 | 325.1 | 3417 | 8.0 | 28 | 2.7 | 323.6 | 3418 | 675 |
| 700 | 11.0 | 28 | 3.3 | 325.3 | 3137 | 11.2 | 19 | 2.2 | 322.3 | 3152 | 9.4 | 35 | 3.7 | 324.7 | 3116 | 10.3 | 30 | 3.4 | 324.8 | 3117 | 700 |
| 725 | 12.4 | 25 | 3.1 | 323.2 | 2844 | 12.9 | 25 | 3.2 | 323.9 | 2858 | 10.8 | 41 | 4.6 | 325.6 | 2824 | 11.6 | 39 | 4.6 | 326.6 | 2824 | 725 |
| 750 | 13.9 | 49 | 6.5 | 331.9 | 2559 | 14.2 | 45 | 6.1 | 330.9 | 2572 | 12.1 | 46 | 5.5 | 326.7 | 2541 | 12.3 | 51 | 6.1 | 328.8 | 2540 | 750 |
| 775 | 15.2 | 50 | 7.1 | 331.7 | 2281 | 15.4 | 49 | 7.0 | 331.8 | 2295 | 13.4 | 52 | 6.5 | 328.0 | 2265 | 13.1 | 60 | 7.4 | 330.2 | 2265 | 775 |
| 800 | 16.3 | 51 | 7.4 | 331.1 | 2011 | 16.6 | 50 | 7.4 | 331.3 | 2025 | 14.7 | 57 | 7.5 | 329.4 | 1997 | 14.2 | 64 | 8.1 | 330.4 | 1997 | 800 |
| 825 | 16.9 | 58 | 8.5 | 331.9 | 1749 | 17.5 | 56 | 8.6 | 332.8 | 1762 | 15.3 | 77 | 10.3 | 335.0 | 1736 | 15.2 | 67 | 8.8 | 330.8 | 1736 | 825 |
| 850 | 17.8 | 66 | 10.0 | 334.3 | 1494 | 17.6 | 82 | 12.2 | 340.4 | 1506 | 16.2 | 78 | 10.7 | 334.4 | 1482 | 16.2 | 70 | 9.6 | 331.2 | 1482 | 850 |
| 875 | 18.7 | 74 | 11.6 | 336.9 | 1245 | 18.9 | 79 | 12.5 | 339.7 | 1257 | 17.1 | 81 | 11.4 | 334.4 | 1234 | 17.2 | 77 | 10.9 | 333.2 | 1234 | 875 |
| 900 | 20.0 | 73 | 12.1 | 337.2 | 1002 | 20.2 | 76 | 12.6 | 338.9 | 1014 | 18.3 | 80 | 11.8 | 334.3 | 992 | 18.0 | 86 | 12.6 | 336.0 | 993 | 900 |
| 925 | 21.4 | 71 | 12.4 | 337.0 | 764 | 21.3 | 79 | 13.7 | 340.5 | 776 | 19.9 | 76 | 12.0 | 334.0 | 756 | 19.2 | 92 | 14.1 | 338.8 | 757 | 925 |
| 950 | 22.3 | 79 | 14.3 | 340.7 | 532 | 22.3 | 91 | 16.4 | 346.4 | 544 | 20.0 | 93 | 14.6 | 338.5 | 525 | 21.0 | 89 | 14.8 | 340.4 | 526 | 950 |
| 975 | 23.7 | 82 | 15.7 | 343.4 | 305 | 23.6 | 93 | 17.9 | 349.3 | 316 | 22.4 | 91 | 16.0 | 342.7 | 300 | 22.8 | 86 | 15.5 | 341.9 | 299 | 975 |
| 1000 | 25.4 | 80 | 16.5 | 345.2 | 82 | 26.2 | 88 | 19.1 | 353.6 | 93 | 24.8 | 87 | 17.4 | 346.9 | 77 | 24.6 | 84 | 16.5 | 344.2 | 77 | 1000 |
| SFC. | 26.0 | 79 | 16.8 | 345.9 | 0 | 28.0 | 86 | 20.7 | 359.1 | 0 | 25.6 | 86 | 17.9 | 348.4 | 0 | 25.5 | 85 | 17.6 | 347.4 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.3 | SURFACE PRESSURE | | | | 1010.5 | SURFACE PRESSURE | | | | 1008.8 | SURFACE PRESSURE | | | | 1008.8 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/14 1730 GMT | | | | | 3/14 2030 GMT | | | | | 3/15 0 0 GMT | | | | | 3/15 315 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -64.7 | 0 | 0.0 | 466.1 | 19493 | -63.3 | 17 | .0 | 469.4 | 19631 | -66.0 | 0 | 0.0 | 463.1 | 19565 | -65.7 | 0 | 0.0 | 463.9 | 19552 | 60 |
| 70 | -65.5 | 0 | 0.0 | 444.3 | 18546 | -65.4 | 17 | .0 | 444.6 | 18682 | -67.4 | 16 | .0 | 440.4 | 18626 | -69.1 | 0 | 0.0 | 436.6 | 18618 | 70 |
| 80 | -74.1 | 18 | .0 | 410.0 | 17753 | -71.6 | 18 | .0 | 415.1 | 17886 | -72.0 | 16 | .0 | 414.3 | 17836 | -71.7 | 19 | .0 | 414.9 | 17830 | 80 |
| 90 | -82.0 | 19 | .0 | 380.6 | 17083 | -80.1 | 18 | .0 | 384.4 | 17213 | -81.5 | 15 | .0 | 381.7 | 17167 | -81.4 | 19 | .0 | 381.9 | 17144 | 90 |
| 100 | -79.3 | 22 | .0 | 374.5 | 16489 | -79.2 | 18 | .0 | 374.7 | 16616 | -80.1 | 16 | .0 | 373.0 | 16574 | -80.1 | 19 | .0 | 373.0 | 16554 | 100 |
| 110 | -80.4 | 22 | .0 | 362.4 | 15949 | -79.0 | 18 | .0 | 365.0 | 16077 | -79.4 | 15 | .0 | 364.2 | 16035 | -79.5 | 19 | .0 | 364.1 | 16014 | 110 |
| 120 | -77.5 | 22 | .0 | 358.7 | 15455 | -75.8 | 18 | .0 | 361.9 | 15578 | -77.3 | 15 | .0 | 359.2 | 15538 | -77.7 | 19 | .0 | 358.4 | 15519 | 120 |
| 130 | -74.5 | 22 | .0 | 356.1 | 14993 | -72.9 | 18 | .0 | 359.0 | 15112 | -74.3 | 15 | .0 | 356.5 | 15076 | -74.3 | 18 | .0 | 356.5 | 15057 | 130 |
| 140 | -71.9 | 19 | .0 | 353.1 | 14559 | -70.1 | 18 | .0 | 356.4 | 14674 | -70.6 | 15 | .0 | 355.4 | 14641 | -71.1 | 18 | .0 | 354.5 | 14622 | 140 |
| 150 | -68.6 | 19 | .0 | 352.0 | 14149 | -66.7 | 17 | .0 | 355.2 | 14261 | -67.3 | 15 | .0 | 354.3 | 14228 | -68.2 | 17 | .0 | 352.7 | 14210 | 150 |
| 160 | -65.3 | 18 | .0 | 351.2 | 13759 | -63.6 | 17 | .0 | 353.9 | 13868 | -64.1 | 15 | .0 | 353.2 | 13836 | -65.1 | 17 | .0 | 351.4 | 13820 | 160 |
| 170 | -62.2 | 18 | .0 | 350.3 | 13387 | -60.7 | 17 | .0 | 352.7 | 13493 | -61.0 | 15 | .0 | 352.3 | 13462 | -61.9 | 17 | .0 | 350.8 | 13448 | 170 |
| 180 | -59.3 | 18 | .0 | 349.3 | 13032 | -58.0 | 16 | .0 | 351.5 | 13135 | -58.1 | 15 | .0 | 351.3 | 13104 | -58.8 | 17 | .0 | 350.1 | 13092 | 180 |
| 190 | -56.6 | 18 | .0 | 348.3 | 12691 | -55.2 | 16 | .0 | 350.5 | 12792 | -55.3 | 14 | .0 | 350.4 | 12762 | -55.9 | 17 | .0 | 349.4 | 12750 | 190 |
| 200 | -54.1 | 19 | .0 | 347.3 | 12364 | -52.5 | 16 | .0 | 349.8 | 12463 | -52.7 | 14 | .0 | 349.5 | 12432 | -53.2 | 17 | .0 | 348.6 | 12422 | 200 |
| 225 | -47.7 | 18 | .0 | 345.5 | 11598 | -46.0 | 16 | .0 | 348.2 | 11690 | -46.7 | 14 | .0 | 347.2 | 11662 | -47.1 | 16 | .0 | 346.6 | 11652 | 225 |
| 250 | -42.5 | 17 | .1 | 343.2 | 10893 | -40.3 | 15 | .1 | 346.5 | 10981 | -40.7 | 14 | .1 | 345.8 | 10954 | -41.3 | 16 | .1 | 345.0 | 10946 | 250 |
| 275 | -36.7 | 14 | .1 | 342.4 | 10242 | -35.1 | 15 | .1 | 344.8 | 10324 | -35.3 | 13 | .1 | 344.5 | 10297 | -35.9 | 16 | .1 | 343.6 | 10291 | 275 |
| 300 | -32.5 | 17 | .1 | 340.2 | 9634 | -30.4 | 15 | .2 | 343.2 | 9711 | -30.3 | 13 | .1 | 343.3 | 9685 | -31.1 | 15 | .1 | 342.2 | 9681 | 300 |
| 325 | -28.0 | 18 | .2 | 338.9 | 9064 | -26.5 | 15 | .2 | 341.1 | 9137 | -26.1 | 13 | .2 | 341.5 | 9110 | -26.6 | 15 | .2 | 340.9 | 9108 | 325 |
| 350 | -23.5 | 17 | .3 | 338.3 | 8527 | -22.0 | 15 | .3 | 340.2 | 8597 | -22.8 | 12 | .2 | 338.9 | 8570 | -23.3 | 15 | .2 | 338.4 | 8570 | 350 |
| 375 | -20.9 | 22 | .4 | 335.6 | 8020 | -17.9 | 14 | .4 | 339.4 | 8085 | -18.3 | 13 | .3 | 338.7 | 8060 | -18.9 | 14 | .3 | 338.0 | 8060 | 375 |
| 400 | -18.0 | 25 | .6 | 333.8 | 7541 | -14.0 | 14 | .5 | 338.6 | 7599 | -14.0 | 13 | .4 | 338.4 | 7574 | -14.7 | 14 | .4 | 337.6 | 7576 | 400 |
| 425 | -11.6 | 19 | .7 | 336.7 | 7083 | -10.4 | 13 | .5 | 337.7 | 7136 | -11.0 | 12 | .5 | 336.7 | 7111 | -11.4 | 14 | .5 | 336.4 | 7114 | 425 |
| 450 | -11.2 | 17 | .6 | 331.5 | 6645 | -9.8 | 14 | .6 | 333.1 | 6694 | -9.9 | 13 | .5 | 332.8 | 6671 | -9.7 | 14 | .6 | 333.2 | 6674 | 450 |
| 475 | -8.0 | 15 | .7 | 330.6 | 6228 | -6.6 | 13 | .6 | 332.2 | 6275 | -6.6 | 12 | .6 | 332.0 | 6251 | -6.6 | 14 | .7 | 332.4 | 6254 | 475 |
| 500 | -6.5 | 17 | .8 | 328.1 | 5828 | -4.8 | 15 | .8 | 330.1 | 5872 | -4.0 | 12 | .7 | 330.7 | 5848 | -3.9 | 14 | .8 | 331.3 | 5851 | 500 |
| 525 | -4.4 | 18 | .9 | 326.5 | 5445 | -3.0 | 16 | .9 | 328.1 | 5488 | -1.7 | 12 | .8 | 329.3 | 5462 | -1.8 | 15 | .9 | 329.7 | 5465 | 525 |
| 550 | -1.8 | 17 | 1.1 | 325.7 | 5077 | -.3 | 15 | 1.0 | 327.5 | 5118 | .4 | 13 | .9 | 327.9 | 5091 | .3 | 15 | 1.1 | 328.3 | 5094 | 550 |
| 575 | .7 | 17 | 1.2 | 325.0 | 4722 | 2.3 | 15 | 1.2 | 326.9 | 4761 | 2.5 | 13 | 1.0 | 326.6 | 4733 | 2.2 | 16 | 1.2 | 326.9 | 4736 | 575 |
| 600 | .6 | 32 | 2.1 | 323.9 | 4381 | 2.5 | 22 | 1.7 | 324.9 | 4417 | 2.3 | 29 | 2.2 | 326.0 | 4389 | 2.7 | 35 | 2.7 | 328.2 | 4392 | 600 |
| 625 | 2.7 | 34 | 2.5 | 323.8 | 4052 | 5.0 | 21 | 1.8 | 324.3 | 4086 | 4.7 | 26 | 2.2 | 325.3 | 4058 | 4.9 | 31 | 2.7 | 326.9 | 4060 | 625 |
| 650 | 5.0 | 29 | 2.4 | 322.5 | 3733 | 7.4 | 19 | 1.9 | 323.8 | 3764 | 7.1 | 23 | 2.2 | 324.4 | 3737 | 7.2 | 23 | 2.3 | 324.8 | 3739 | 650 |
| 675 | 7.4 | 24 | 2.2 | 321.3 | 3424 | 9.7 | 18 | 2.0 | 323.3 | 3453 | 9.3 | 21 | 2.2 | 323.5 | 3425 | 9.2 | 25 | 2.7 | 324.8 | 3428 | 675 |
| 700 | 9.6 | 23 | 2.5 | 321.2 | 3124 | 11.7 | 19 | 2.3 | 323.3 | 3150 | 11.3 | 20 | 2.4 | 322.9 | 3123 | 11.0 | 29 | 3.4 | 325.6 | 3126 | 700 |
| 725 | 10.9 | 31 | 3.5 | 322.6 | 2832 | 13.7 | 20 | 2.7 | 323.4 | 2856 | 12.9 | 22 | 2.9 | 323.0 | 2829 | 12.8 | 32 | 4.1 | 326.6 | 2832 | 725 |
| 750 | 12.0 | 41 | 4.8 | 324.5 | 2549 | 14.6 | 32 | 4.4 | 326.6 | 2570 | 14.5 | 25 | 3.4 | 323.2 | 2544 | 14.4 | 36 | 4.9 | 327.7 | 2546 | 750 |
| 775 | 13.0 | 51 | 6.2 | 326.6 | 2274 | 15.2 | 45 | 6.3 | 329.7 | 2292 | 16.0 | 27 | 3.9 | 323.6 | 2266 | 16.1 | 39 | 5.8 | 329.1 | 2268 | 775 |
| 800 | 13.9 | 61 | 7.6 | 328.7 | 2006 | 15.8 | 51 | 7.1 | 329.7 | 2022 | 17.0 | 33 | 5.0 | 325.0 | 1996 | 16.8 | 52 | 7.9 | 333.0 | 1998 | 800 |
| 825 | 15.3 | 63 | 8.3 | 329.5 | 1745 | 16.9 | 53 | 7.8 | 330.0 | 1760 | 17.9 | 40 | 6.3 | 326.7 | 1734 | 17.2 | 65 | 9.7 | 335.7 | 1735 | 825 |
| 850 | 16.6 | 65 | 9.2 | 330.4 | 1491 | 18.2 | 54 | 8.4 | 330.3 | 1505 | 18.8 | 47 | 7.5 | 328.4 | 1478 | 18.8 | 60 | 9.7 | 334.5 | 1479 | 850 |
| 875 | 17.0 | 80 | 11.3 | 333.9 | 1244 | 18.9 | 61 | 9.7 | 331.8 | 1256 | 19.3 | 59 | 9.5 | 331.8 | 1228 | 19.6 | 66 | 10.8 | 335.8 | 1229 | 875 |
| 900 | 17.4 | 86 | 12.0 | 333.7 | 1002 | 20.0 | 65 | 10.7 | 333.2 | 1013 | 20.0 | 70 | 11.5 | 335.4 | 985 | 20.0 | 75 | 12.4 | 338.0 | 986 | 900 |
| 925 | 18.4 | 88 | 12.7 | 334.0 | 767 | 21.1 | 67 | 11.5 | 334.2 | 776 | 21.1 | 73 | 12.6 | 337.2 | 748 | 20.6 | 84 | 14.0 | 340.4 | 749 | 925 |
| 950 | 20.4 | 83 | 13.3 | 335.4 | 537 | 22.0 | 72 | 12.7 | 335.8 | 544 | 22.3 | 77 | 13.8 | 339.1 | 516 | 22.2 | 80 | 14.4 | 341.0 | 517 | 950 |
| 975 | 22.4 | 78 | 13.8 | 336.8 | 311 | 23.9 | 70 | 13.5 | 337.8 | 317 | 23.9 | 74 | 14.4 | 340.2 | 289 | 23.8 | 77 | 14.9 | 341.4 | 289 | 975 |
| 1000 | 24.5 | 78 | 15.3 | 340.8 | 89 | 25.8 | 71 | 15.0 | 341.8 | 94 | 26.9 | 68 | 15.4 | 344.3 | 66 | 26.6 | 77 | 17.1 | 348.4 | 66 | 1000 |
| SFC. | 25.6 | 85 | 17.7 | 347.6 | 0 | 26.5 | 84 | 18.4 | 350.8 | 0 | 30.0 | 67 | 18.1 | 354.9 | 0 | 27.7 | 77 | 18.2 | 352.1 | 0 | SFC. |
| | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1010.7 | | | | | SURFACE PRESSURE 1007.4 | | | | | SURFACE PRESSURE 1007.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/15 530 GMT T | RH | W | EPT | H | 3/15 845 GMT T | RH | W | EPT | H | 3/15 12 5 GMT T | RH | W | EPT | H | 3/15 18 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.2 | 0 | 0.0 | 458.2 | 19525 | -67.2 | 0 | 0.0 | 460.5 | 19503 | -67.4 | 0 | 0.0 | 460.1 | 19499 | -70.0 | 21 | .0 | 454.3 | 19447 | 60 |
| 70 | -69.5 | 10 | .0 | 435.7 | 18600 | -66.9 | 15 | .0 | 441.4 | 18566 | -66.7 | 0 | 0.0 | 441.7 | 18564 | -64.7 | 21 | .0 | 446.1 | 18518 | 70 |
| 80 | -75.8 | 10 | .0 | 406.4 | 17823 | -78.1 | 15 | .0 | 401.7 | 17784 | -77.2 | 22 | .0 | 403.5 | 17779 | -77.3 | 23 | .0 | 403.4 | 17724 | 80 |
| 90 | -80.1 | 10 | .0 | 384.4 | 17147 | -84.1 | 15 | .0 | 376.5 | 17123 | -80.5 | 22 | .0 | 383.6 | 17110 | -81.4 | 24 | .0 | 381.8 | 17059 | 90 |
| 100 | -79.8 | 10 | .0 | 373.6 | 16551 | -81.7 | 15 | .0 | 369.9 | 16536 | -82.1 | 22 | .0 | 369.1 | 16518 | -82.0 | 24 | .0 | 369.3 | 16466 | 100 |
| 110 | -79.1 | 10 | .0 | 364.8 | 16010 | -80.1 | 15 | .0 | 363.0 | 15999 | -79.9 | 22 | .0 | 363.3 | 15982 | -80.4 | 24 | .0 | 362.5 | 15931 | 110 |
| 120 | -77.6 | 10 | .0 | 358.6 | 15515 | -77.4 | 15 | .0 | 358.9 | 15504 | -76.8 | 21 | .0 | 360.0 | 15486 | -78.4 | 24 | .0 | 357.2 | 15437 | 120 |
| 130 | -74.1 | 10 | .0 | 356.7 | 15052 | -75.0 | 15 | .0 | 355.2 | 15042 | -74.0 | 21 | .0 | 356.9 | 15022 | -74.5 | 23 | .0 | 356.0 | 14976 | 130 |
| 140 | -70.9 | 10 | .0 | 354.9 | 14617 | -71.7 | 15 | .0 | 353.5 | 14609 | -71.1 | 21 | .0 | 354.6 | 14587 | -70.9 | 23 | .0 | 354.9 | 14541 | 140 |
| 150 | -67.8 | 10 | .0 | 353.4 | 14205 | -68.5 | 15 | .0 | 352.2 | 14198 | -68.0 | 21 | .0 | 353.1 | 14176 | -67.6 | 22 | .0 | 353.7 | 14129 | 150 |
| 160 | -64.3 | 10 | .0 | 352.8 | 13814 | -65.3 | 15 | .0 | 351.1 | 13808 | -65.1 | 20 | .0 | 351.5 | 13785 | -64.5 | 21 | .0 | 352.5 | 13737 | 160 |
| 170 | -61.1 | 10 | .0 | 352.1 | 13440 | -62.1 | 14 | .0 | 350.3 | 13437 | -62.3 | 20 | .0 | 350.0 | 13413 | -61.5 | 21 | .0 | 351.4 | 13364 | 170 |
| 180 | -58.3 | 10 | .0 | 350.9 | 13083 | -59.2 | 14 | .0 | 349.5 | 13081 | -59.6 | 20 | .0 | 348.9 | 13058 | -58.9 | 21 | .0 | 350.0 | 13008 | 180 |
| 190 | -56.0 | 10 | .0 | 349.3 | 12741 | -56.4 | 14 | .0 | 348.6 | 12740 | -56.9 | 20 | .0 | 347.8 | 12718 | -56.4 | 21 | .0 | 348.6 | 12667 | 190 |
| 200 | -53.4 | 10 | .0 | 348.2 | 12413 | -53.7 | 13 | .0 | 347.8 | 12412 | -54.4 | 20 | .0 | 346.8 | 12391 | -54.1 | 21 | .0 | 347.3 | 12339 | 200 |
| 225 | -46.6 | 10 | .0 | 347.3 | 11643 | -47.4 | 12 | .0 | 346.0 | 11645 | -48.2 | 20 | .0 | 344.9 | 11626 | -48.9 | 22 | .0 | 343.9 | 11575 | 225 |
| 250 | -40.6 | 10 | .0 | 346.0 | 10935 | -41.6 | 12 | .0 | 344.4 | 10939 | -41.7 | 18 | .1 | 344.3 | 10922 | -42.5 | 20 | .1 | 343.2 | 10873 | 250 |
| 275 | -35.5 | 10 | .1 | 344.1 | 10278 | -36.4 | 11 | .1 | 342.8 | 10286 | -36.0 | 17 | .1 | 343.5 | 10268 | -37.4 | 20 | .1 | 341.5 | 10222 | 275 |
| 300 | -30.9 | 10 | .1 | 342.2 | 9667 | -31.3 | 10 | .1 | 341.6 | 9676 | -31.6 | 17 | .2 | 341.5 | 9658 | -32.7 | 20 | .2 | 339.9 | 9616 | 300 |
| 325 | -27.0 | 10 | .1 | 340.0 | 9094 | -27.4 | 10 | .1 | 339.5 | 9104 | -27.5 | 17 | .2 | 339.6 | 9087 | -28.4 | 20 | .2 | 338.4 | 9047 | 325 |
| 350 | -23.4 | 10 | .2 | 337.8 | 8557 | -23.9 | 10 | .2 | 337.2 | 8567 | -23.7 | 17 | .3 | 337.8 | 8550 | -24.9 | 17 | .2 | 336.1 | 8512 | 350 |
| 375 | -19.3 | 10 | .2 | 336.9 | 8048 | -19.9 | 11 | .2 | 336.2 | 8060 | -20.8 | 18 | .3 | 335.5 | 8043 | -22.9 | 18 | .3 | 332.4 | 8008 | 375 |
| 400 | -15.5 | 10 | .3 | 336.0 | 7564 | -16.1 | 12 | .3 | 335.4 | 7577 | -16.4 | 18 | .5 | 335.5 | 7562 | -17.8 | 18 | .4 | 333.5 | 7530 | 400 |
| 425 | -12.1 | 10 | .4 | 334.9 | 7104 | -12.5 | 10 | .3 | 334.3 | 7117 | -12.4 | 16 | .6 | 335.2 | 7102 | -13.7 | 17 | .5 | 333.4 | 7073 | 425 |
| 450 | -10.5 | 10 | .4 | 331.6 | 6665 | -9.7 | 10 | .4 | 332.7 | 6678 | -10.9 | 16 | .6 | 331.8 | 6664 | -12.2 | 16 | .5 | 329.9 | 6638 | 450 |
| 475 | -7.9 | 10 | .4 | 329.9 | 6247 | -7.0 | 10 | .5 | 331.1 | 6259 | -7.8 | 15 | .7 | 330.8 | 6247 | -9.2 | 16 | .6 | 328.9 | 6222 | 475 |
| 500 | -5.1 | 10 | .5 | 328.8 | 5847 | -4.5 | 10 | .5 | 329.6 | 5857 | -5.4 | 16 | .8 | 329.4 | 5846 | -6.3 | 15 | .7 | 328.0 | 5823 | 500 |
| 525 | -2.4 | 10 | .6 | 327.9 | 5461 | -2.1 | 10 | .6 | 328.2 | 5472 | -3.3 | 17 | 1.0 | 327.9 | 5462 | -4.1 | 17 | .9 | 326.7 | 5440 | 525 |
| 550 | .2 | 10 | .7 | 326.9 | 5091 | .2 | 10 | .7 | 326.8 | 5101 | -.3 | 17 | 1.1 | 327.8 | 5092 | -1.9 | 17 | 1.0 | 325.6 | 5072 | 550 |
| 575 | 2.4 | 10 | .8 | 325.7 | 4733 | 2.3 | 10 | .8 | 325.6 | 4743 | 2.0 | 17 | 1.3 | 326.9 | 4735 | .5 | 17 | 1.1 | 324.5 | 4717 | 575 |
| 600 | 1.3 | 32 | 2.2 | 325.1 | 4390 | 1.2 | 26 | 1.8 | 323.6 | 4400 | 1.8 | 32 | 2.3 | 326.0 | 4391 | 1.6 | 20 | 1.4 | 322.9 | 4375 | 600 |
| 625 | 3.2 | 30 | 2.3 | 323.8 | 4060 | 3.3 | 27 | 2.1 | 323.1 | 4070 | 3.2 | 37 | 2.8 | 325.3 | 4061 | 1.5 | 29 | 2.0 | 320.7 | 4046 | 625 |
| 650 | 5.7 | 19 | 1.6 | 320.9 | 3741 | 5.6 | 22 | 2.0 | 321.9 | 3751 | 5.8 | 30 | 2.7 | 324.3 | 3742 | 4.3 | 27 | 2.1 | 320.9 | 3729 | 650 |
| 675 | 7.9 | 16 | 1.6 | 320.0 | 3431 | 7.9 | 18 | 1.8 | 320.5 | 3441 | 7.9 | 29 | 2.9 | 323.9 | 3432 | 6.5 | 31 | 2.7 | 321.8 | 3421 | 675 |
| 700 | 7.5 | 19 | 1.7 | 316.6 | 3131 | 9.9 | 28 | 3.0 | 323.2 | 3141 | 9.6 | 50 | 5.4 | 329.9 | 3131 | 7.6 | 46 | 4.3 | 324.4 | 3121 | 700 |
| 725 | 11.0 | 48 | 5.4 | 328.3 | 2840 | 11.3 | 39 | 4.5 | 326.1 | 2848 | 11.6 | 52 | 6.1 | 331.2 | 2838 | 9.3 | 42 | 4.2 | 322.9 | 2831 | 725 |
| 750 | 12.5 | 45 | 5.4 | 326.9 | 2556 | 12.7 | 45 | 5.5 | 327.5 | 2564 | 12.8 | 56 | 7.0 | 331.8 | 2554 | 11.0 | 38 | 4.1 | 321.4 | 2549 | 750 |
| 775 | 13.8 | 84 | 10.8 | 340.9 | 2280 | 14.2 | 29 | 3.8 | 321.0 | 2288 | 14.2 | 46 | 6.0 | 327.5 | 2278 | 12.5 | 34 | 4.0 | 319.9 | 2275 | 775 |
| 800 | 15.0 | 80 | 10.8 | 339.2 | 2011 | 14.8 | 62 | 8.2 | 331.6 | 2020 | 15.1 | 63 | 8.5 | 332.7 | 2009 | 13.6 | 45 | 5.5 | 322.4 | 2008 | 800 |
| 825 | 16.2 | 76 | 10.7 | 337.3 | 1749 | 15.8 | 78 | 10.7 | 336.7 | 1758 | 16.0 | 69 | 9.6 | 334.0 | 1747 | 14.9 | 39 | 5.0 | 319.6 | 1748 | 825 |
| 850 | 15.2 | 96 | 12.4 | 337.6 | 1495 | 16.5 | 97 | 13.7 | 342.9 | 1504 | 16.9 | 71 | 10.1 | 333.6 | 1492 | 15.8 | 53 | 7.0 | 323.5 | 1495 | 850 |
| 875 | 18.9 | 95 | 15.1 | 346.9 | 1246 | 17.8 | 95 | 14.1 | 342.7 | 1255 | 17.8 | 72 | 10.6 | 333.2 | 1244 | 16.8 | 59 | 8.1 | 325.0 | 1248 | 875 |
| 900 | 20.3 | 93 | 15.7 | 347.6 | 1002 | 19.4 | 80 | 12.7 | 338.2 | 1013 | 18.2 | 91 | 13.4 | 338.6 | 1002 | 17.9 | 55 | 7.9 | 323.2 | 1008 | 900 |
| 925 | 21.7 | 92 | 16.4 | 348.2 | 764 | 20.8 | 76 | 12.8 | 337.4 | 775 | 19.6 | 92 | 14.5 | 340.4 | 766 | 18.6 | 69 | 10.1 | 327.3 | 772 | 925 |
| 950 | 23.0 | 90 | 16.9 | 348.7 | 531 | 21.9 | 88 | 15.4 | 343.2 | 544 | 21.2 | 92 | 15.5 | 342.5 | 535 | 19.4 | 80 | 12.0 | 330.8 | 543 | 950 |
| 975 | 24.3 | 88 | 17.5 | 349.3 | 303 | 22.8 | 95 | 17.4 | 347.0 | 317 | 23.2 | 89 | 16.5 | 345.1 | 308 | 21.1 | 78 | 12.7 | 332.3 | 318 | 975 |
| 1000 | 25.6 | 86 | 18.0 | 349.6 | 79 | 24.9 | 89 | 17.8 | 348.2 | 94 | 25.1 | 86 | 17.5 | 347.6 | 85 | 23.7 | 80 | 14.9 | 338.8 | 97 | 1000 |
| SFC. | 26.0 | 85 | 18.1 | 349.5 | 0 | 25.7 | 86 | 18.0 | 348.6 | 0 | 25.8 | 85 | 17.9 | 348.6 | 0 | 26.0 | 86 | 18.3 | 349.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.0 | SURFACE PRESSURE | | | | 1010.7 | SURFACE PRESSURE | | | | 1009.7 | SURFACE PRESSURE | | | | 1011.1 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/16 0 5 GMT T | RH | W | EPT | H | 3/16 555 GMT T | RH | W | EPT | H | 3/16 1210 GMT T | RH | W | EPT | H | 3/16 1532 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.6 | 0 | 0.0 | 461.9 | 19607 | -69.4 | 0 | 0.0 | 455.6 | 19525 | -69.1 | 0 | 0.0 | 456.3 | 19477 | -70.6 | 0 | 0.0 | 452.9 | 19357 | 60 |
| 70 | -65.7 | 18 | .0 | 443.9 | 18679 | -67.2 | 0 | 0.0 | 440.7 | 18602 | -67.8 | 0 | 0.0 | 439.4 | 18556 | -69.9 | 0 | 0.0 | 434.9 | 18444 | 70 |
| 80 | -72.8 | 18 | .0 | 412.6 | 17871 | -74.3 | 26 | .0 | 409.5 | 17801 | -73.8 | 26 | .0 | 410.7 | 17758 | -74.8 | 24 | .0 | 408.6 | 17649 | 80 |
| 90 | -77.1 | 18 | .0 | 390.4 | 17190 | -81.5 | 25 | .0 | 381.7 | 17132 | -80.3 | 26 | .0 | 383.9 | 17086 | -81.7 | 22 | .0 | 381.1 | 16982 | 90 |
| 100 | -79.4 | 19 | .0 | 374.3 | 16588 | -82.3 | 26 | .0 | 368.7 | 16542 | -80.4 | 26 | .0 | 372.4 | 16491 | -81.6 | 23 | .0 | 370.2 | 16391 | 100 |
| 110 | -79.1 | 19 | .0 | 364.9 | 16048 | -80.0 | 26 | .0 | 363.2 | 16006 | -79.4 | 25 | .0 | 364.3 | 15951 | -79.9 | 23 | .0 | 363.4 | 15854 | 110 |
| 120 | -76.2 | 19 | .0 | 361.1 | 15550 | -76.9 | 26 | .0 | 360.0 | 15510 | -77.3 | 25 | .0 | 359.1 | 15456 | -79.8 | 23 | .0 | 354.7 | 15362 | 120 |
| 130 | -73.6 | 19 | .0 | 357.7 | 15086 | -74.0 | 25 | .0 | 357.0 | 15047 | -74.6 | 26 | .0 | 355.8 | 14993 | -75.9 | 25 | .0 | 353.6 | 14904 | 130 |
| 140 | -70.4 | 19 | .0 | 355.8 | 14649 | -71.1 | 25 | .0 | 354.5 | 14611 | -71.2 | 26 | .0 | 354.3 | 14559 | -72.2 | 24 | .0 | 352.6 | 14472 | 140 |
| 150 | -66.9 | 19 | .0 | 354.9 | 14236 | -67.9 | 25 | .0 | 353.1 | 14200 | -68.1 | 25 | .0 | 352.9 | 14148 | -68.9 | 24 | .0 | 351.5 | 14063 | 150 |
| 160 | -63.8 | 19 | .0 | 353.6 | 13843 | -64.9 | 25 | .0 | 351.7 | 13809 | -65.1 | 25 | .0 | 351.5 | 13757 | -65.7 | 23 | .0 | 350.5 | 13674 | 160 |
| 170 | -60.9 | 18 | .0 | 352.4 | 13469 | -62.1 | 25 | .0 | 350.4 | 13437 | -62.2 | 25 | .0 | 350.2 | 13385 | -62.7 | 23 | .0 | 349.4 | 13303 | 170 |
| 180 | -58.1 | 18 | .0 | 351.2 | 13112 | -59.4 | 25 | .0 | 349.2 | 13082 | -59.4 | 24 | .0 | 349.2 | 13030 | -59.9 | 22 | .0 | 348.3 | 12948 | 180 |
| 190 | -55.6 | 18 | .0 | 350.0 | 12769 | -56.7 | 25 | .0 | 348.1 | 12741 | -56.7 | 24 | .0 | 348.2 | 12689 | -58.0 | 21 | .0 | 346.1 | 12609 | 190 |
| 200 | -53.0 | 18 | .0 | 349.0 | 12440 | -54.2 | 24 | .0 | 347.0 | 12414 | -54.1 | 24 | .0 | 347.3 | 12362 | -55.6 | 20 | .0 | 344.9 | 12284 | 200 |
| 225 | -47.0 | 17 | .0 | 346.6 | 11671 | -48.1 | 24 | .1 | 345.1 | 11649 | -48.2 | 23 | .0 | 344.8 | 11596 | -49.3 | 19 | .0 | 343.1 | 11523 | 225 |
| 250 | -41.0 | 17 | .1 | 345.5 | 10964 | -42.4 | 23 | .1 | 343.4 | 10945 | -43.1 | 20 | .1 | 342.3 | 10894 | -43.7 | 19 | .1 | 341.3 | 10823 | 250 |
| 275 | -35.5 | 17 | .1 | 344.4 | 10308 | -37.1 | 22 | .1 | 342.0 | 10294 | -37.1 | 20 | .1 | 342.0 | 10244 | -38.5 | 18 | .1 | 339.9 | 10176 | 275 |
| 300 | -30.8 | 16 | .2 | 342.7 | 9696 | -31.8 | 21 | .2 | 341.3 | 9686 | -32.5 | 20 | .2 | 340.3 | 9637 | -33.6 | 16 | .1 | 338.5 | 9572 | 300 |
| 325 | -26.6 | 15 | .2 | 340.8 | 9123 | -27.0 | 19 | .2 | 340.5 | 9114 | -27.8 | 20 | .2 | 339.3 | 9067 | -29.5 | 16 | .2 | 336.7 | 9005 | 325 |
| 350 | -22.8 | 15 | .3 | 339.1 | 8584 | -23.3 | 19 | .3 | 338.7 | 8576 | -23.8 | 21 | .3 | 338.0 | 8530 | -25.9 | 16 | .2 | 334.7 | 8472 | 350 |
| 375 | -19.2 | 16 | .3 | 337.5 | 8074 | -19.9 | 19 | .4 | 336.8 | 8068 | -21.3 | 23 | .4 | 335.0 | 8024 | -22.6 | 16 | .3 | 332.8 | 7969 | 375 |
| 400 | -15.9 | 16 | .4 | 336.0 | 7591 | -16.8 | 19 | .5 | 335.0 | 7586 | -18.0 | 22 | .5 | 333.5 | 7545 | -19.7 | 18 | .4 | 330.8 | 7493 | 400 |
| 425 | -11.8 | 15 | .5 | 335.8 | 7130 | -13.0 | 17 | .6 | 334.5 | 7127 | -14.3 | 20 | .6 | 332.8 | 7088 | -16.1 | 17 | .4 | 330.0 | 7040 | 425 |
| 450 | -8.6 | 14 | .6 | 334.8 | 6690 | -10.4 | 24 | .9 | 333.5 | 6689 | -11.8 | 23 | .8 | 331.4 | 6652 | -12.5 | 16 | .5 | 329.6 | 6607 | 450 |
| 475 | -7.2 | 14 | .7 | 331.5 | 6270 | -7.3 | 21 | 1.0 | 332.4 | 6270 | -9.3 | 24 | 1.0 | 329.9 | 6237 | -10.8 | 18 | .6 | 326.9 | 6192 | 475 |
| 500 | -4.4 | 14 | .8 | 330.5 | 5868 | -4.5 | 18 | 1.0 | 331.2 | 5868 | -6.3 | 21 | 1.0 | 328.9 | 5838 | -7.7 | 14 | .6 | 325.9 | 5795 | 500 |
| 525 | -1.8 | 15 | .9 | 329.6 | 5482 | -1.7 | 15 | 1.0 | 329.9 | 5482 | -3.7 | 18 | 1.0 | 327.6 | 5455 | -5.6 | 14 | .7 | 324.2 | 5414 | 525 |
| 550 | .7 | 15 | 1.1 | 328.8 | 5110 | .1 | 17 | 1.2 | 328.4 | 5111 | -2.8 | 21 | 1.2 | 324.9 | 5087 | -3.7 | 15 | .8 | 322.5 | 5048 | 550 |
| 575 | 2.9 | 15 | 1.2 | 327.8 | 4752 | 1.7 | 18 | 1.4 | 326.8 | 4754 | -1.8 | 23 | 1.3 | 322.5 | 4734 | -3.1 | 17 | .9 | 319.5 | 4696 | 575 |
| 600 | 2.5 | 19 | 1.4 | 324.0 | 4409 | 1.8 | 23 | 1.6 | 323.8 | 4412 | .8 | 25 | 1.7 | 322.7 | 4394 | -1.1 | 17 | 1.0 | 318.3 | 4359 | 600 |
| 625 | 5.2 | 19 | 1.6 | 323.9 | 4077 | 4.3 | 23 | 1.9 | 323.7 | 4081 | 3.4 | 26 | 2.0 | 323.1 | 4064 | 1.5 | 16 | 1.1 | 317.8 | 4032 | 625 |
| 650 | 7.7 | 18 | 1.8 | 324.0 | 3756 | 6.8 | 22 | 2.1 | 323.7 | 3760 | 5.8 | 28 | 2.4 | 323.6 | 3745 | 3.9 | 14 | 1.1 | 317.2 | 3715 | 650 |
| 675 | 10.1 | 19 | 2.2 | 324.2 | 3444 | 8.8 | 28 | 2.9 | 325.0 | 3449 | 8.0 | 30 | 3.0 | 324.2 | 3435 | 6.3 | 13 | 1.2 | 316.7 | 3407 | 675 |
| 700 | 10.8 | 32 | 3.7 | 326.2 | 3141 | 9.8 | 47 | 5.1 | 329.3 | 3148 | 8.1 | 47 | 4.6 | 325.8 | 3134 | 6.6 | 20 | 1.7 | 315.4 | 3108 | 700 |
| 725 | 12.5 | 34 | 4.2 | 326.6 | 2848 | 11.9 | 45 | 5.4 | 329.5 | 2855 | 9.7 | 50 | 5.3 | 326.4 | 2844 | 8.0 | 40 | 3.7 | 320.0 | 2820 | 725 |
| 750 | 14.4 | 32 | 4.4 | 326.3 | 2562 | 13.9 | 44 | 5.8 | 329.7 | 2570 | 12.1 | 47 | 5.5 | 326.7 | 2561 | 9.9 | 42 | 4.3 | 320.7 | 2539 | 750 |
| 775 | 16.1 | 33 | 4.9 | 326.6 | 2285 | 15.1 | 50 | 7.0 | 331.6 | 2293 | 14.4 | 43 | 5.7 | 326.8 | 2285 | 11.8 | 44 | 4.9 | 321.6 | 2266 | 775 |
| 800 | 16.8 | 42 | 6.4 | 328.7 | 2014 | 16.8 | 44 | 6.6 | 329.4 | 2023 | 15.0 | 44 | 5.8 | 324.9 | 2016 | 13.1 | 47 | 5.6 | 322.1 | 1999 | 800 |
| 825 | 18.3 | 41 | 6.6 | 328.2 | 1752 | 18.6 | 34 | 5.6 | 325.5 | 1760 | 16.7 | 50 | 7.2 | 327.9 | 1755 | 13.8 | 48 | 5.7 | 320.3 | 1740 | 825 |
| 850 | 20.7 | 26 | 4.6 | 322.3 | 1495 | 19.0 | 53 | 8.7 | 332.2 | 1503 | 16.9 | 70 | 10.0 | 333.2 | 1501 | 15.1 | 63 | 8.0 | 325.5 | 1488 | 850 |
| 875 | 20.9 | 34 | 6.1 | 324.0 | 1244 | 19.5 | 72 | 11.8 | 338.6 | 1254 | 17.1 | 90 | 12.8 | 338.3 | 1253 | 15.3 | 87 | 10.9 | 330.9 | 1241 | 875 |
| 900 | 21.6 | 44 | 7.9 | 327.5 | 1001 | 20.3 | 79 | 13.2 | 340.7 | 1010 | 18.8 | 92 | 14.2 | 341.4 | 1010 | 16.0 | 94 | 12.0 | 332.0 | 1001 | 900 |
| 925 | 22.4 | 53 | 9.8 | 331.1 | 762 | 21.0 | 86 | 14.7 | 342.8 | 772 | 20.3 | 92 | 15.1 | 343.0 | 773 | 17.5 | 95 | 13.0 | 333.7 | 767 | 925 |
| 950 | 23.2 | 62 | 11.8 | 334.7 | 530 | 21.9 | 90 | 15.9 | 344.4 | 540 | 21.3 | 93 | 15.9 | 343.6 | 542 | 19.3 | 94 | 14.1 | 336.5 | 538 | 950 |
| 975 | 24.1 | 70 | 13.6 | 338.4 | 302 | 23.5 | 85 | 16.1 | 344.2 | 313 | 22.4 | 94 | 16.6 | 344.3 | 315 | 21.8 | 92 | 15.8 | 341.3 | 312 | 975 |
| 1000 | 26.9 | 66 | 14.9 | 342.8 | 79 | 25.0 | 80 | 16.2 | 343.8 | 90 | 24.5 | 90 | 17.7 | 347.2 | 93 | 24.3 | 90 | 17.5 | 346.5 | 90 | 1000 |
| SFC. | 30.6 | 64 | 17.8 | 354.9 | 0 | 25.6 | 78 | 16.2 | 343.6 | 0 | 25.4 | 88 | 18.1 | 348.4 | 0 | 25.3 | 89 | 18.2 | 348.6 | 0 | SFC. |
| | SURFACE PRESSURE 1008.9 | | | | | SURFACE PRESSURE 1010.3 | | | | | SURFACE PRESSURE 1010.6 | | | | | SURFACE PRESSURE 1010.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/16 1831 GMT T | RH | W | EPT | H | 3/16 2030 GMT T | RH | W | EPT | H | 3/17 013 GMT T | RH | W | EPT | H | 3/17 3 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -59.3 | 0 | 0.0 | 478.2 | 19378 | -68.2 | 0 | 0.0 | 458.3 | 19509 | -69.3 | 0 | 0.0 | 455.9 | 19526 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -67.6 | 0 | 0.0 | 439.7 | 18441 | -69.3 | 0 | 0.0 | 436.2 | 18589 | -69.3 | 0 | 0.0 | 436.0 | 18611 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -69.3 | 0 | 0.0 | 419.9 | 17643 | -71.2 | 22 | .0 | 415.9 | 17785 | -65.4 | 18 | .0 | 427.9 | 17807 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -65.9 | 20 | .0 | 412.8 | 16933 | -80.6 | 23 | .0 | 383.3 | 17108 | -79.0 | 18 | .0 | 386.6 | 17114 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -80.3 | 20 | .0 | 372.6 | 16313 | -79.0 | 23 | .0 | 375.2 | 16512 | -79.0 | 20 | .0 | 375.1 | 16517 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -80.6 | 20 | .0 | 362.0 | 15775 | -77.7 | 23 | .0 | 367.5 | 15968 | -78.8 | 19 | .0 | 365.4 | 15974 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -79.8 | 20 | .0 | 354.6 | 15285 | -77.1 | 23 | .0 | 359.6 | 15469 | -77.7 | 19 | .0 | 358.4 | 15478 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -77.4 | 20 | .0 | 350.8 | 14829 | -74.4 | 23 | .0 | 356.2 | 15007 | -76.0 | 19 | .0 | 353.4 | 15018 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -75.2 | 20 | .0 | 347.3 | 14401 | -71.0 | 22 | .0 | 354.8 | 14572 | -72.1 | 19 | .0 | 352.8 | 14586 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -72.9 | 20 | .0 | 344.5 | 13999 | -67.6 | 22 | .0 | 353.6 | 14160 | -68.6 | 19 | .0 | 352.0 | 14176 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -69.7 | 20 | .0 | 343.7 | 13618 | -64.5 | 21 | .0 | 352.4 | 13768 | -65.3 | 19 | .0 | 351.0 | 13787 | -63.0 | 20 | .0 | 355.1 | 13820 | 160 |
| 170 | -66.6 | 20 | .0 | 342.9 | 13254 | -61.8 | 21 | .0 | 351.0 | 13396 | -62.3 | 19 | .0 | 350.0 | 13415 | -60.4 | 19 | .0 | 353.2 | 13445 | 170 |
| 180 | -63.7 | 20 | .0 | 342.1 | 12906 | -59.1 | 21 | .0 | 349.6 | 13040 | -59.5 | 18 | .0 | 349.0 | 13060 | -58.0 | 19 | .0 | 351.5 | 13086 | 180 |
| 190 | -61.0 | 19 | .0 | 341.2 | 12572 | -56.7 | 21 | .0 | 348.2 | 12699 | -56.8 | 18 | .0 | 348.0 | 12719 | -55.7 | 18 | .0 | 349.8 | 12744 | 190 |
| 200 | -58.4 | 19 | .0 | 340.4 | 12251 | -54.3 | 21 | .0 | 346.8 | 12372 | -54.2 | 18 | .0 | 347.1 | 12392 | -53.5 | 18 | .0 | 348.1 | 12416 | 200 |
| 225 | -52.3 | 19 | .0 | 338.4 | 11500 | -48.3 | 21 | .0 | 344.7 | 11607 | -48.2 | 18 | .0 | 344.8 | 11627 | -47.4 | 18 | .0 | 346.0 | 11648 | 225 |
| 250 | -46.4 | 18 | .0 | 337.3 | 10810 | -42.6 | 21 | .1 | 343.1 | 10904 | -42.8 | 18 | .1 | 342.7 | 10924 | -42.0 | 18 | .1 | 344.0 | 10943 | 250 |
| 275 | -41.0 | 18 | .1 | 336.2 | 10169 | -37.2 | 20 | .1 | 341.8 | 10253 | -37.6 | 18 | .1 | 341.2 | 10274 | -37.1 | 18 | .1 | 342.0 | 10291 | 275 |
| 300 | -36.1 | 17 | .1 | 335.0 | 9571 | -32.4 | 20 | .2 | 340.4 | 9646 | -32.5 | 17 | .1 | 340.2 | 9667 | -31.7 | 17 | .2 | 341.4 | 9683 | 300 |
| 325 | -31.6 | 17 | .1 | 333.7 | 9010 | -28.5 | 21 | .2 | 338.4 | 9077 | -27.8 | 17 | .2 | 339.3 | 9098 | -27.2 | 17 | .2 | 340.1 | 9111 | 325 |
| 350 | -27.6 | 18 | .2 | 332.4 | 8482 | -24.0 | 19 | .3 | 337.6 | 8542 | -23.6 | 16 | .3 | 338.0 | 8560 | -23.3 | 16 | .3 | 338.5 | 8573 | 350 |
| 375 | -23.0 | 18 | .3 | 332.2 | 7981 | -20.9 | 18 | .4 | 335.3 | 8036 | -19.7 | 15 | .3 | 336.8 | 8052 | -19.2 | 16 | .3 | 337.6 | 8064 | 375 |
| 400 | -20.3 | 17 | .3 | 329.8 | 7506 | -17.6 | 19 | .4 | 333.8 | 7555 | -16.1 | 14 | .4 | 335.6 | 7570 | -15.4 | 15 | .4 | 336.7 | 7580 | 400 |
| 425 | -17.0 | 17 | .4 | 328.7 | 7054 | -14.5 | 19 | .6 | 332.4 | 7099 | -13.7 | 14 | .4 | 333.1 | 7111 | -12.9 | 16 | .5 | 334.4 | 7121 | 425 |
| 450 | -13.8 | 16 | .5 | 327.7 | 6623 | -12.1 | 18 | .6 | 330.3 | 6663 | -10.1 | 13 | .5 | 332.5 | 6674 | -9.6 | 15 | .6 | 333.5 | 6682 | 450 |
| 475 | -10.8 | 16 | .6 | 326.7 | 6210 | -10.6 | 18 | .6 | 327.1 | 6249 | -7.2 | 13 | .6 | 331.3 | 6255 | -6.8 | 15 | .7 | 332.2 | 6262 | 475 |
| 500 | -9.2 | 20 | .7 | 324.5 | 5814 | -6.5 | 18 | .8 | 328.2 | 5851 | -4.9 | 13 | .7 | 329.7 | 5853 | -4.4 | 14 | .8 | 330.6 | 5860 | 500 |
| 525 | -6.6 | 18 | .8 | 323.3 | 5435 | -3.9 | 17 | .9 | 327.0 | 5468 | -2.9 | 13 | .8 | 327.8 | 5468 | -2.0 | 14 | .8 | 329.1 | 5474 | 525 |
| 550 | -4.0 | 15 | .8 | 322.2 | 5070 | -2.0 | 17 | 1.0 | 325.3 | 5099 | -1.0 | 13 | .8 | 325.9 | 5099 | .0 | 13 | .9 | 327.4 | 5103 | 550 |
| 575 | -2.1 | 15 | .8 | 320.4 | 4718 | -1.0 | 19 | 1.1 | 322.7 | 4745 | .6 | 14 | .9 | 324.0 | 4743 | 1.1 | 16 | 1.1 | 325.2 | 4747 | 575 |
| 600 | -1.3 | 17 | 1.0 | 318.0 | 4379 | .8 | 19 | 1.3 | 321.5 | 4405 | 2.4 | 15 | 1.1 | 322.8 | 4401 | 3.1 | 17 | 1.3 | 324.3 | 4404 | 600 |
| 625 | .1 | 18 | 1.1 | 316.3 | 4053 | 3.3 | 20 | 1.5 | 321.4 | 4076 | 4.5 | 17 | 1.4 | 322.4 | 4070 | 5.0 | 18 | 1.6 | 323.5 | 4072 | 625 |
| 650 | 1.9 | 18 | 1.2 | 315.2 | 3738 | 5.8 | 20 | 1.8 | 321.4 | 3757 | 6.6 | 16 | 1.5 | 321.6 | 3750 | 6.8 | 19 | 1.8 | 322.7 | 3751 | 650 |
| 675 | 4.9 | 17 | 1.4 | 315.8 | 3432 | 7.7 | 22 | 2.2 | 321.5 | 3447 | 8.7 | 14 | 1.4 | 320.1 | 3439 | 8.5 | 20 | 2.1 | 322.1 | 3440 | 675 |
| 700 | 7.5 | 17 | 1.6 | 316.0 | 3134 | 9.2 | 27 | 2.8 | 321.7 | 3146 | 9.2 | 23 | 2.4 | 320.5 | 3139 | 9.7 | 25 | 2.7 | 322.1 | 3139 | 700 |
| 725 | 9.0 | 18 | 1.8 | 315.1 | 2845 | 10.7 | 31 | 3.4 | 322.0 | 2855 | 11.1 | 29 | 3.3 | 322.3 | 2847 | 11.8 | 27 | 3.2 | 322.8 | 2847 | 725 |
| 750 | 9.3 | 28 | 2.7 | 315.3 | 2564 | 12.3 | 33 | 3.9 | 322.4 | 2572 | 13.3 | 21 | 2.7 | 319.9 | 2563 | 13.9 | 28 | 3.7 | 323.6 | 2563 | 750 |
| 775 | 12.1 | 38 | 4.3 | 320.3 | 2291 | 13.8 | 35 | 4.5 | 322.8 | 2296 | 15.0 | 23 | 3.2 | 320.3 | 2287 | 15.5 | 31 | 4.5 | 324.6 | 2285 | 775 |
| 800 | 14.5 | 40 | 5.2 | 322.5 | 2024 | 15.2 | 34 | 4.7 | 321.8 | 2028 | 16.4 | 29 | 4.2 | 322.0 | 2017 | 16.8 | 36 | 5.4 | 325.8 | 2016 | 800 |
| 825 | 16.0 | 35 | 4.8 | 320.4 | 1763 | 16.5 | 32 | 4.6 | 320.2 | 1767 | 17.3 | 40 | 6.0 | 325.2 | 1755 | 17.8 | 43 | 6.7 | 327.8 | 1753 | 825 |
| 850 | 15.6 | 67 | 8.8 | 328.2 | 1509 | 16.0 | 59 | 8.0 | 326.5 | 1513 | 17.6 | 56 | 8.4 | 329.6 | 1500 | 16.3 | 86 | 11.8 | 337.4 | 1498 | 850 |
| 875 | 16.4 | 78 | 10.5 | 331.0 | 1263 | 17.3 | 64 | 9.1 | 328.3 | 1266 | 18.0 | 72 | 10.7 | 333.7 | 1252 | 18.2 | 82 | 12.5 | 338.8 | 1249 | 875 |
| 900 | 17.8 | 79 | 11.3 | 332.2 | 1022 | 18.7 | 68 | 10.2 | 330.3 | 1024 | 19.2 | 74 | 11.7 | 335.0 | 1009 | 20.1 | 79 | 13.1 | 340.1 | 1006 | 900 |
| 925 | 19.2 | 80 | 12.1 | 333.5 | 786 | 19.8 | 73 | 11.5 | 332.5 | 788 | 20.6 | 75 | 12.4 | 336.1 | 772 | 21.9 | 76 | 13.7 | 341.3 | 768 | 925 |
| 950 | 20.5 | 81 | 13.0 | 334.8 | 555 | 20.7 | 79 | 12.9 | 334.8 | 557 | 22.0 | 75 | 13.2 | 337.2 | 541 | 22.9 | 78 | 14.6 | 342.0 | 536 | 950 |
| 975 | 22.2 | 80 | 14.0 | 336.9 | 330 | 22.1 | 81 | 14.0 | 337.0 | 331 | 23.8 | 74 | 14.2 | 339.4 | 314 | 23.9 | 78 | 15.2 | 342.4 | 308 | 975 |
| 1000 | 24.4 | 84 | 16.3 | 343.5 | 108 | 23.9 | 79 | 14.9 | 339.1 | 110 | 25.8 | 72 | 15.2 | 342.4 | 91 | 26.6 | 78 | 17.4 | 349.2 | 85 | 1000 |
| SFC. | 25.8 | 92 | 19.4 | 352.3 | 0 | 26.7 | 87 | 19.3 | 353.3 | 0 | 27.7 | 74 | 17.4 | 349.6 | 0 | 29.1 | 80 | 20.5 | 360.2 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1012.3 | | SURFACE PRESSURE | | | 1012.5 | | SURFACE PRESSURE | | | 1010.3 | | SURFACE PRESSURE | | | 1009.6 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/17 547 GMT | | | | | 3/17 1145 GMT | | | | | 3/17 1750 GMT | | | | | 3/18 0 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -68.3 | 23 | .0 | 458.1 | 19487 | -65.2 | 0 | 0.0 | 464.9 | 19463 | -64.4 | 0 | 0.0 | 466.8 | 19506 | -65.7 | 0 | 0.0 | 463.9 | 19571 | 60 |
| 70 | -72.5 | 23 | .0 | 429.3 | 18578 | -69.9 | 18 | .0 | 434.9 | 18533 | -69.6 | 16 | .0 | 435.6 | 18572 | -70.9 | 0 | 0.0 | 432.7 | 18644 | 70 |
| 80 | -71.3 | 25 | .0 | 415.8 | 17785 | -70.7 | 18 | .0 | 417.0 | 17743 | -73.5 | 17 | .0 | 411.1 | 17782 | -69.8 | 16 | .0 | 418.9 | 17852 | 80 |
| 90 | -80.8 | 23 | .0 | 383.0 | 17108 | -79.8 | 18 | .0 | 384.9 | 17065 | -81.5 | 18 | .0 | 381.6 | 17112 | -77.9 | 16 | .0 | 388.9 | 17166 | 90 |
| 100 | -80.6 | 24 | .0 | 372.0 | 16514 | -80.5 | 18 | .0 | 372.2 | 16470 | -81.3 | 18 | .0 | 370.7 | 16521 | -80.5 | 17 | .0 | 372.2 | 16567 | 100 |
| 110 | -78.8 | 23 | .0 | 365.5 | 15974 | -78.7 | 18 | .0 | 365.6 | 15931 | -78.1 | 17 | .0 | 366.7 | 15981 | -79.8 | 17 | .0 | 363.5 | 16029 | 110 |
| 120 | -76.9 | 23 | .0 | 360.0 | 15477 | -75.7 | 17 | .0 | 362.2 | 15432 | -75.2 | 17 | .0 | 363.1 | 15480 | -77.1 | 17 | .0 | 359.5 | 15533 | 120 |
| 130 | -74.4 | 22 | .0 | 356.3 | 15014 | -73.7 | 17 | .0 | 357.5 | 14966 | -72.5 | 17 | .0 | 359.7 | 15013 | -74.1 | 16 | .0 | 356.8 | 15070 | 130 |
| 140 | -71.6 | 22 | .0 | 353.6 | 14580 | -71.8 | 17 | .0 | 353.4 | 14531 | -70.0 | 16 | .0 | 356.5 | 14574 | -71.0 | 16 | .0 | 354.7 | 14635 | 140 |
| 150 | -68.4 | 21 | .0 | 352.3 | 14169 | -69.1 | 16 | .0 | 351.1 | 14122 | -67.3 | 16 | .0 | 354.2 | 14161 | -67.8 | 17 | .0 | 353.3 | 14223 | 150 |
| 160 | -65.3 | 21 | .0 | 351.0 | 13779 | -66.2 | 16 | .0 | 349.6 | 13734 | -64.5 | 16 | .0 | 352.4 | 13770 | -64.8 | 17 | .0 | 351.9 | 13832 | 160 |
| 170 | -62.5 | 21 | .0 | 349.8 | 13408 | -63.2 | 16 | .0 | 348.6 | 13364 | -61.9 | 16 | .0 | 350.8 | 13397 | -61.8 | 17 | .0 | 350.9 | 13460 | 170 |
| 180 | -59.8 | 21 | .0 | 348.5 | 13053 | -60.3 | 15 | .0 | 347.7 | 13010 | -59.4 | 16 | .0 | 349.2 | 13041 | -58.7 | 16 | .0 | 350.2 | 13104 | 180 |
| 190 | -57.2 | 20 | .0 | 347.3 | 12713 | -57.6 | 15 | .0 | 346.7 | 12670 | -56.7 | 16 | .0 | 348.1 | 12701 | -55.8 | 16 | .0 | 349.5 | 12762 | 190 |
| 200 | -54.8 | 20 | .0 | 346.2 | 12387 | -55.0 | 15 | .0 | 345.7 | 12345 | -54.1 | 16 | .0 | 347.2 | 12373 | -53.1 | 16 | .0 | 348.8 | 12433 | 200 |
| 225 | -48.3 | 20 | .0 | 344.7 | 11623 | -49.2 | 16 | .0 | 343.3 | 11582 | -48.1 | 16 | .0 | 344.9 | 11608 | -46.8 | 15 | .0 | 347.0 | 11663 | 225 |
| 250 | -42.6 | 20 | .1 | 343.1 | 10920 | -43.9 | 17 | .1 | 341.0 | 10883 | -42.8 | 16 | .1 | 342.7 | 10905 | -41.1 | 14 | .1 | 345.2 | 10956 | 250 |
| 275 | -37.5 | 19 | .1 | 341.3 | 10269 | -38.6 | 15 | .1 | 339.7 | 10236 | -38.5 | 17 | .1 | 339.8 | 10256 | -37.5 | 17 | .1 | 341.3 | 10302 | 275 |
| 300 | -32.4 | 17 | .1 | 340.3 | 9663 | -33.7 | 14 | .1 | 338.4 | 9632 | -33.1 | 16 | .1 | 339.2 | 9652 | -33.1 | 18 | .1 | 339.3 | 9697 | 300 |
| 325 | -28.0 | 17 | .2 | 338.9 | 9093 | -29.1 | 13 | .1 | 337.1 | 9065 | -28.7 | 16 | .2 | 337.8 | 9084 | -27.7 | 16 | .2 | 339.3 | 9128 | 325 |
| 350 | -24.1 | 17 | .3 | 337.4 | 8556 | -24.7 | 11 | .2 | 336.2 | 8531 | -24.7 | 15 | .2 | 336.4 | 8549 | -23.0 | 16 | .3 | 338.9 | 8590 | 350 |
| 375 | -20.4 | 16 | .3 | 335.9 | 8049 | -21.0 | 12 | .2 | 334.7 | 8025 | -20.9 | 15 | .3 | 335.1 | 8043 | -19.2 | 16 | .4 | 337.6 | 8081 | 375 |
| 400 | -17.0 | 16 | .4 | 334.5 | 7568 | -18.0 | 16 | .4 | 333.0 | 7545 | -17.3 | 14 | .3 | 333.9 | 7563 | -15.2 | 16 | .5 | 337.1 | 7597 | 400 |
| 425 | -14.4 | 17 | .5 | 332.3 | 7111 | -15.2 | 19 | .5 | 331.4 | 7090 | -14.9 | 19 | .5 | 331.9 | 7106 | -12.1 | 16 | .6 | 335.5 | 7136 | 425 |
| 450 | -11.2 | 17 | .6 | 331.4 | 6675 | -11.9 | 13 | .4 | 330.0 | 6655 | -11.1 | 15 | .5 | 331.3 | 6671 | -9.2 | 15 | .6 | 334.1 | 6697 | 450 |
| 475 | -8.4 | 15 | .6 | 329.9 | 6258 | -9.3 | 10 | .4 | 327.9 | 6239 | -8.9 | 13 | .5 | 328.9 | 6254 | -6.7 | 14 | .7 | 332.4 | 6276 | 475 |
| 500 | -6.4 | 13 | .6 | 327.5 | 5859 | -7.6 | 10 | .4 | 325.4 | 5842 | -7.7 | 13 | .6 | 325.7 | 5856 | -4.4 | 14 | .8 | 330.5 | 5874 | 500 |
| 525 | -3.9 | 12 | .7 | 326.2 | 5476 | -4.8 | 10 | .5 | 324.5 | 5460 | -5.1 | 13 | .6 | 324.6 | 5474 | -2.2 | 13 | .8 | 328.7 | 5488 | 525 |
| 550 | -2.4 | 12 | .7 | 323.7 | 5107 | -2.0 | 10 | .6 | 323.9 | 5093 | -2.6 | 12 | .7 | 323.5 | 5107 | -.1 | 12 | .8 | 327.0 | 5118 | 550 |
| 575 | -.4 | 12 | .8 | 322.3 | 4753 | -.5 | 10 | .6 | 321.7 | 4738 | -.2 | 12 | .8 | 322.5 | 4753 | 1.6 | 12 | .9 | 325.1 | 4761 | 575 |
| 600 | 1.9 | 17 | 1.2 | 322.5 | 4412 | 1.0 | 13 | .9 | 320.3 | 4398 | 2.0 | 12 | .9 | 321.6 | 4412 | 3.2 | 12 | 1.0 | 323.3 | 4417 | 600 |
| 625 | 4.2 | 23 | 1.9 | 323.7 | 4081 | 3.2 | 23 | 1.8 | 322.0 | 4068 | 4.1 | 13 | 1.0 | 320.8 | 4081 | 5.1 | 13 | 1.2 | 322.4 | 4085 | 625 |
| 650 | 6.3 | 27 | 2.5 | 324.3 | 3761 | 5.2 | 24 | 2.0 | 321.7 | 3749 | 6.2 | 13 | 1.2 | 320.0 | 3761 | 7.1 | 15 | 1.4 | 321.9 | 3764 | 650 |
| 675 | 7.4 | 20 | 1.9 | 320.4 | 3451 | 7.3 | 11 | 1.1 | 317.6 | 3440 | 8.1 | 14 | 1.4 | 319.4 | 3451 | 9.0 | 17 | 1.8 | 321.6 | 3453 | 675 |
| 700 | 8.6 | 36 | 3.6 | 323.4 | 3151 | 8.2 | 29 | 2.8 | 320.6 | 3141 | 9.7 | 17 | 1.8 | 319.2 | 3151 | 10.8 | 18 | 2.1 | 321.4 | 3151 | 700 |
| 725 | 10.6 | 37 | 4.0 | 323.9 | 2860 | 10.2 | 26 | 2.8 | 319.7 | 2850 | 11.2 | 20 | 2.2 | 319.1 | 2859 | 12.5 | 20 | 2.4 | 321.3 | 2858 | 725 |
| 750 | 12.5 | 37 | 4.5 | 324.5 | 2577 | 12.0 | 29 | 3.3 | 320.2 | 2567 | 12.6 | 22 | 2.7 | 319.1 | 2575 | 13.4 | 27 | 3.5 | 322.3 | 2574 | 750 |
| 775 | 14.4 | 38 | 5.1 | 325.1 | 2301 | 13.0 | 48 | 5.8 | 325.7 | 2292 | 14.1 | 26 | 3.4 | 319.6 | 2300 | 13.9 | 37 | 4.8 | 323.7 | 2298 | 775 |
| 800 | 16.2 | 39 | 5.7 | 325.9 | 2032 | 14.1 | 65 | 8.2 | 330.7 | 2024 | 13.5 | 48 | 5.8 | 323.0 | 2031 | 14.4 | 47 | 6.0 | 324.9 | 2030 | 800 |
| 825 | 17.4 | 48 | 7.3 | 328.9 | 1769 | 15.8 | 60 | 8.2 | 329.6 | 1763 | 13.0 | 62 | 7.1 | 323.2 | 1773 | 15.5 | 54 | 7.2 | 326.7 | 1769 | 825 |
| 850 | 15.8 | 91 | 12.2 | 338.1 | 1515 | 16.6 | 65 | 9.2 | 330.5 | 1509 | 15.1 | 95 | 12.2 | 337.1 | 1520 | 17.5 | 59 | 8.8 | 330.7 | 1515 | 850 |
| 875 | 18.0 | 86 | 12.8 | 339.5 | 1267 | 16.1 | 92 | 12.2 | 335.3 | 1262 | 16.7 | 92 | 12.7 | 337.4 | 1273 | 19.0 | 66 | 10.4 | 334.1 | 1266 | 875 |
| 900 | 18.6 | 94 | 14.3 | 341.4 | 1025 | 17.5 | 95 | 13.4 | 337.7 | 1021 | 18.2 | 88 | 13.1 | 337.6 | 1031 | 20.1 | 70 | 11.6 | 335.9 | 1023 | 900 |
| 925 | 20.1 | 95 | 15.4 | 343.6 | 788 | 19.0 | 97 | 14.7 | 340.2 | 785 | 19.8 | 85 | 13.4 | 337.7 | 795 | 21.1 | 75 | 12.8 | 337.9 | 785 | 925 |
| 950 | 21.9 | 94 | 16.5 | 346.0 | 556 | 20.6 | 98 | 15.9 | 342.9 | 554 | 21.2 | 82 | 13.8 | 337.8 | 564 | 22.4 | 77 | 14.0 | 339.9 | 553 | 950 |
| 975 | 23.6 | 92 | 17.5 | 348.3 | 329 | 22.7 | 94 | 17.0 | 345.7 | 328 | 23.0 | 83 | 15.3 | 341.7 | 337 | 24.6 | 72 | 14.6 | 341.7 | 325 | 975 |
| 1000 | 25.3 | 90 | 18.6 | 350.7 | 106 | 24.7 | 91 | 18.0 | 348.4 | 105 | 24.9 | 86 | 17.4 | 346.9 | 115 | 26.7 | 68 | 15.2 | 343.3 | 102 | 1000 |
| SFC. | 26.1 | 89 | 19.1 | 351.9 | 0 | 25.6 | 89 | 18.5 | 349.7 | 0 | 25.8 | 88 | 18.5 | 349.8 | 0 | 29.2 | 75 | 19.3 | 356.7 | 0 | SFC. |
| | SURFACE PRESSURE 1012.0 | | | | | SURFACE PRESSURE 1012.0 | | | | | SURFACE PRESSURE 1013.1 | | | | | SURFACE PRESSURE 1011.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/18 531 GMT T | RH | W | EPT | H | 3/18 1255 GMT T | RH | W | EPT | H | 3/18 1740 GMT T | RH | W | EPT | H | 3/18 2035 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.9 | 0 | 0.0 | 458.9 | 19545 | -68.0 | 0 | 0.0 | 458.7 | 19452 | -69.3 | 0 | 0.0 | 455.8 | 19505 | -63.9 | 0 | 0.0 | 467.9 | 19492 | 60 |
| 70 | -70.8 | 0 | 0.0 | 433.0 | 18625 | -70.6 | 15 | .0 | 433.4 | 18531 | -71.0 | 20 | .0 | 432.5 | 18588 | -70.2 | 0 | 0.0 | 434.1 | 18567 | 70 |
| 80 | -71.6 | 0 | 0.0 | 415.0 | 17838 | -73.3 | 15 | .0 | 411.5 | 17747 | -71.6 | 20 | .0 | 415.1 | 17801 | -73.3 | 0 | 0.0 | 411.5 | 17784 | 80 |
| 90 | -72.9 | 21 | .0 | 398.8 | 17138 | -75.5 | 15 | .0 | 393.6 | 17056 | -76.5 | 20 | .0 | 391.6 | 17108 | -73.6 | 19 | .0 | 397.4 | 17091 | 90 |
| 100 | -81.2 | 21 | .0 | 370.9 | 16535 | -77.9 | 15 | .0 | 377.2 | 16451 | -80.5 | 20 | .0 | 372.3 | 16510 | -79.4 | 19 | .0 | 374.3 | 16484 | 100 |
| 110 | -80.7 | 21 | .0 | 361.9 | 15999 | -80.2 | 15 | .0 | 362.8 | 15912 | -78.3 | 20 | .0 | 366.3 | 15969 | -79.7 | 20 | .0 | 363.7 | 15946 | 110 |
| 120 | -77.7 | 21 | .0 | 358.4 | 15505 | -77.3 | 15 | .0 | 359.1 | 15417 | -76.4 | 20 | .0 | 360.9 | 15470 | -77.7 | 20 | .0 | 358.4 | 15451 | 120 |
| 130 | -74.9 | 21 | .0 | 355.3 | 15043 | -74.7 | 14 | .0 | 355.7 | 14955 | -74.0 | 20 | .0 | 356.9 | 15007 | -74.4 | 20 | .0 | 356.2 | 14989 | 130 |
| 140 | -72.0 | 21 | .0 | 353.0 | 14610 | -72.2 | 14 | .0 | 352.7 | 14521 | -70.7 | 20 | .0 | 355.3 | 14571 | -71.4 | 19 | .0 | 354.0 | 14554 | 140 |
| 150 | -68.6 | 21 | .0 | 352.0 | 14200 | -69.1 | 14 | .0 | 351.0 | 14112 | -67.6 | 20 | .0 | 353.8 | 14159 | -68.6 | 19 | .0 | 352.0 | 14144 | 150 |
| 160 | -65.4 | 20 | .0 | 350.9 | 13811 | -66.3 | 15 | .0 | 349.5 | 13724 | -64.6 | 20 | .0 | 352.3 | 13767 | -66.0 | 19 | .0 | 350.0 | 13754 | 160 |
| 170 | -62.4 | 20 | .0 | 349.8 | 13439 | -63.6 | 15 | .0 | 347.9 | 13354 | -61.7 | 20 | .0 | 351.1 | 13394 | -63.2 | 19 | .0 | 348.6 | 13384 | 170 |
| 180 | -59.5 | 24 | .0 | 349.1 | 13084 | -60.8 | 15 | .0 | 346.8 | 13001 | -59.0 | 20 | .0 | 349.9 | 13038 | -60.3 | 19 | .0 | 347.7 | 13030 | 180 |
| 190 | -56.5 | 31 | .0 | 348.5 | 12743 | -58.0 | 14 | .0 | 346.1 | 12663 | -56.4 | 19 | .0 | 348.7 | 12697 | -57.5 | 18 | .0 | 346.8 | 12691 | 190 |
| 200 | -53.7 | 37 | .0 | 347.9 | 12416 | -55.2 | 13 | .0 | 345.4 | 12338 | -53.9 | 19 | .0 | 347.5 | 12370 | -54.9 | 18 | .0 | 345.9 | 12365 | 200 |
| 225 | -47.4 | 51 | .1 | 346.5 | 11648 | -48.7 | 12 | .0 | 344.1 | 11575 | -47.7 | 18 | .0 | 345.7 | 11603 | -48.5 | 18 | .0 | 344.4 | 11602 | 225 |
| 250 | -41.6 | 64 | .3 | 345.2 | 10942 | -41.9 | 11 | .0 | 344.0 | 10872 | -41.9 | 18 | .1 | 344.1 | 10898 | -42.6 | 17 | .1 | 343.0 | 10899 | 250 |
| 275 | -36.5 | 75 | .5 | 344.2 | 10289 | -35.7 | 10 | .1 | 343.8 | 10218 | -36.7 | 17 | .1 | 342.5 | 10245 | -37.3 | 17 | .1 | 341.6 | 10248 | 275 |
| 300 | -34.1 | 46 | .3 | 338.7 | 9681 | -34.1 | 15 | .1 | 337.8 | 9610 | -33.0 | 19 | .1 | 339.5 | 9638 | -32.5 | 16 | .1 | 340.2 | 9641 | 300 |
| 325 | -29.4 | 33 | .3 | 337.5 | 9116 | -32.2 | 55 | .4 | 334.0 | 9049 | -29.8 | 21 | .2 | 336.5 | 9071 | -29.4 | 18 | .2 | 337.0 | 9073 | 325 |
| 350 | -24.2 | 27 | .4 | 337.8 | 8582 | -27.0 | 31 | .4 | 333.7 | 8520 | -26.8 | 32 | .4 | 334.1 | 8541 | -27.3 | 24 | .3 | 333.0 | 8542 | 350 |
| 375 | -19.4 | 21 | .5 | 337.8 | 8074 | -22.5 | 23 | .4 | 333.2 | 8018 | -22.0 | 27 | .5 | 334.3 | 8039 | -22.6 | 21 | .3 | 333.1 | 8041 | 375 |
| 400 | -16.6 | 29 | .8 | 336.2 | 7591 | -18.8 | 32 | .7 | 333.1 | 7541 | -17.5 | 22 | .5 | 334.2 | 7560 | -18.5 | 20 | .5 | 332.7 | 7563 | 400 |
| 425 | -13.7 | 23 | .7 | 334.0 | 7133 | -15.4 | 15 | .4 | 330.9 | 7086 | -15.3 | 26 | .7 | 332.0 | 7103 | -15.4 | 25 | .7 | 331.7 | 7108 | 425 |
| 450 | -11.0 | 20 | .7 | 332.1 | 6696 | -12.5 | 10 | .3 | 328.7 | 6652 | -11.8 | 21 | .7 | 331.1 | 6669 | -12.0 | 23 | .8 | 331.0 | 6673 | 450 |
| 475 | -8.3 | 18 | .8 | 330.6 | 6279 | -9.1 | 10 | .4 | 328.2 | 6237 | -8.5 | 17 | .7 | 330.0 | 6252 | -8.6 | 19 | .8 | 330.3 | 6257 | 475 |
| 500 | -5.7 | 17 | .8 | 329.2 | 5879 | -6.4 | 10 | .5 | 327.0 | 5838 | -6.0 | 17 | .8 | 328.7 | 5853 | -5.4 | 16 | .8 | 329.4 | 5857 | 500 |
| 525 | -3.2 | 16 | .9 | 327.8 | 5495 | -3.8 | 10 | .5 | 325.8 | 5455 | -4.6 | 29 | 1.5 | 328.1 | 5470 | -3.9 | 17 | .9 | 327.1 | 5474 | 525 |
| 550 | -.9 | 15 | 1.0 | 326.5 | 5125 | -1.4 | 10 | .6 | 324.7 | 5086 | -1.7 | 20 | 1.2 | 326.3 | 5101 | -1.4 | 16 | 1.0 | 326.0 | 5105 | 550 |
| 575 | 1.4 | 14 | 1.0 | 325.2 | 4769 | 1.0 | 10 | .7 | 323.7 | 4731 | .7 | 15 | 1.1 | 324.6 | 4746 | 1.0 | 16 | 1.1 | 325.1 | 4749 | 575 |
| 600 | 2.6 | 42 | 3.2 | 329.7 | 4425 | 2.3 | 10 | .7 | 321.5 | 4388 | 2.6 | 16 | 1.2 | 323.3 | 4403 | 3.2 | 15 | 1.2 | 324.1 | 4406 | 600 |
| 625 | 4.7 | 18 | 1.5 | 323.1 | 4094 | 3.4 | 10 | .8 | 319.1 | 4058 | 4.2 | 17 | 1.4 | 322.0 | 4073 | 4.6 | 14 | 1.2 | 322.0 | 4074 | 625 |
| 650 | 6.8 | 18 | 1.7 | 322.6 | 3774 | 5.2 | 11 | .9 | 318.1 | 3739 | 5.4 | 20 | 1.7 | 320.8 | 3753 | 6.0 | 17 | 1.5 | 320.9 | 3754 | 650 |
| 675 | 8.9 | 19 | 2.0 | 322.2 | 3463 | 7.4 | 12 | 1.1 | 317.9 | 3430 | 8.0 | 20 | 2.0 | 321.2 | 3443 | 7.5 | 21 | 2.0 | 320.8 | 3445 | 675 |
| 700 | 10.9 | 19 | 2.2 | 321.8 | 3161 | 9.5 | 13 | 1.4 | 317.7 | 3130 | 10.5 | 20 | 2.2 | 321.6 | 3142 | 10.1 | 20 | 2.3 | 321.2 | 3144 | 700 |
| 725 | 12.8 | 21 | 2.6 | 322.1 | 2867 | 11.6 | 14 | 1.6 | 317.6 | 2838 | 12.3 | 19 | 2.4 | 320.8 | 2849 | 11.6 | 19 | 2.2 | 319.3 | 2852 | 725 |
| 750 | 14.1 | 34 | 4.6 | 326.4 | 2582 | 13.3 | 11 | 1.5 | 315.9 | 2554 | 12.8 | 22 | 2.7 | 319.3 | 2565 | 11.7 | 41 | 4.7 | 323.9 | 2568 | 750 |
| 775 | 15.3 | 47 | 6.6 | 330.7 | 2305 | 14.7 | 11 | 1.5 | 314.8 | 2278 | 13.5 | 27 | 3.3 | 318.8 | 2290 | 13.3 | 36 | 4.4 | 321.9 | 2293 | 775 |
| 800 | 16.4 | 44 | 6.4 | 328.4 | 2035 | 15.9 | 15 | 2.1 | 314.9 | 2010 | 14.7 | 32 | 4.3 | 320.1 | 2022 | 14.8 | 40 | 5.2 | 323.0 | 2025 | 800 |
| 825 | 17.5 | 41 | 6.2 | 326.1 | 1773 | 17.1 | 17 | 2.5 | 314.7 | 1748 | 16.0 | 38 | 5.3 | 321.5 | 1761 | 15.8 | 51 | 6.9 | 326.1 | 1764 | 825 |
| 850 | 17.7 | 62 | 9.3 | 332.3 | 1517 | 18.3 | 19 | 2.9 | 314.5 | 1494 | 17.1 | 44 | 6.4 | 323.4 | 1507 | 16.6 | 50 | 7.0 | 324.4 | 1510 | 850 |
| 875 | 17.9 | 83 | 12.4 | 338.3 | 1269 | 15.1 | 99 | 12.3 | 334.6 | 1248 | 18.2 | 65 | 9.8 | 331.3 | 1259 | 16.3 | 68 | 9.1 | 327.3 | 1263 | 875 |
| 900 | 18.9 | 91 | 14.1 | 341.3 | 1026 | 16.7 | 98 | 13.2 | 336.0 | 1008 | 18.9 | 70 | 10.8 | 332.2 | 1017 | 17.0 | 71 | 9.7 | 326.9 | 1023 | 900 |
| 925 | 20.2 | 93 | 15.2 | 343.2 | 789 | 18.2 | 98 | 14.1 | 337.5 | 773 | 19.6 | 73 | 11.3 | 331.8 | 781 | 18.9 | 65 | 9.7 | 326.5 | 788 | 925 |
| 950 | 21.6 | 95 | 16.3 | 345.2 | 557 | 19.7 | 97 | 14.9 | 339.1 | 543 | 20.2 | 75 | 11.9 | 331.5 | 550 | 20.9 | 60 | 9.9 | 326.9 | 558 | 950 |
| 975 | 23.5 | 89 | 16.9 | 346.7 | 330 | 21.6 | 94 | 15.9 | 341.3 | 317 | 21.9 | 76 | 13.1 | 334.3 | 325 | 22.5 | 65 | 11.6 | 330.8 | 332 | 975 |
| 1000 | 25.5 | 84 | 17.4 | 347.9 | 107 | 24.2 | 87 | 16.8 | 344.4 | 96 | 24.3 | 80 | 15.6 | 341.5 | 103 | 24.6 | 76 | 14.9 | 339.8 | 111 | 1000 |
| SFC. | 26.4 | 81 | 17.6 | 348.3 | 0 | 25.3 | 84 | 17.1 | 345.7 | 0 | 25.6 | 87 | 18.1 | 348.5 | 0 | 26.2 | 85 | 18.3 | 349.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1012.2 | SURFACE PRESSURE | | | | 1010.9 | SURFACE PRESSURE | | | | 1011.8 | SURFACE PRESSURE | | | | 1012.6 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/18 2343 GMT | | | | | 3/19 255 GMT | | | | | 3/19 6 5 GMT | | | | | 3/19 9 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -67.3 | 18 | .0 | 460.3 | 19550 | -67.3 | 0 | 0.0 | 460.3 | 19495 | -63.5 | 0 | 0.0 | 468.8 | 19494 | -65.3 | 0 | 0.0 | 464.8 | 19472 | 60 |
| 70 | -70.8 | 18 | .0 | 433.1 | 18632 | -71.0 | 18 | .0 | 432.6 | 18573 | -73.5 | 22 | .0 | 427.3 | 18574 | -72.8 | 0 | 0.0 | 428.7 | 18557 | 70 |
| 80 | -73.5 | 18 | .0 | 411.1 | 17848 | -74.2 | 18 | .0 | 409.8 | 17794 | -75.5 | 22 | .0 | 407.0 | 17798 | -73.1 | 0 | 0.0 | 411.9 | 17777 | 80 |
| 90 | -71.6 | 18 | .0 | 401.4 | 17156 | -74.2 | 19 | .0 | 396.1 | 17104 | -75.4 | 22 | .0 | 393.7 | 17115 | -77.3 | 16 | .0 | 390.0 | 17093 | 90 |
| 100 | -78.0 | 18 | .0 | 377.1 | 16543 | -76.8 | 19 | .0 | 379.4 | 16497 | -77.4 | 23 | .0 | 378.2 | 16510 | -79.1 | 16 | .0 | 374.9 | 16492 | 100 |
| 110 | -78.8 | 18 | .0 | 365.4 | 16001 | -79.1 | 19 | .0 | 364.8 | 15955 | -77.7 | 23 | .0 | 367.5 | 15964 | -78.3 | 15 | .0 | 366.3 | 15949 | 110 |
| 120 | -77.0 | 18 | .0 | 359.7 | 15504 | -77.0 | 19 | .0 | 359.7 | 15458 | -77.3 | 23 | .0 | 359.1 | 15465 | -77.5 | 15 | .0 | 358.9 | 15452 | 120 |
| 130 | -74.4 | 18 | .0 | 356.3 | 15041 | -74.8 | 19 | .0 | 355.4 | 14996 | -75.3 | 23 | .0 | 354.7 | 15005 | -75.2 | 15 | .0 | 354.8 | 14990 | 130 |
| 140 | -71.3 | 18 | .0 | 354.2 | 14606 | -71.7 | 19 | .0 | 353.5 | 14562 | -72.2 | 22 | .0 | 352.6 | 14572 | -73.1 | 15 | .0 | 351.1 | 14558 | 140 |
| 150 | -68.5 | 17 | .0 | 352.1 | 14196 | -68.8 | 19 | .0 | 351.5 | 14152 | -69.4 | 22 | .0 | 350.6 | 14163 | -69.6 | 15 | .0 | 350.3 | 14151 | 150 |
| 160 | -65.9 | 17 | .0 | 350.2 | 13806 | -65.9 | 19 | .0 | 350.1 | 13763 | -66.4 | 22 | .0 | 349.2 | 13775 | -66.3 | 15 | .0 | 349.4 | 13763 | 160 |
| 170 | -63.4 | 17 | .0 | 348.3 | 13436 | -62.8 | 19 | .0 | 349.3 | 13392 | -63.2 | 21 | .0 | 348.5 | 13406 | -63.2 | 15 | .0 | 348.5 | 13393 | 170 |
| 180 | -60.3 | 16 | .0 | 347.6 | 13083 | -59.8 | 18 | .0 | 348.4 | 13038 | -60.2 | 21 | .0 | 347.9 | 13052 | -60.3 | 14 | .0 | 347.7 | 13039 | 180 |
| 190 | -57.2 | 16 | .0 | 347.3 | 12743 | -57.0 | 18 | .0 | 347.6 | 12698 | -57.3 | 20 | .0 | 347.2 | 12712 | -57.5 | 14 | .0 | 346.8 | 12700 | 190 |
| 200 | -54.3 | 15 | .0 | 346.8 | 12417 | -54.1 | 18 | .0 | 347.2 | 12371 | -54.5 | 20 | .0 | 346.5 | 12386 | -54.9 | 14 | .0 | 345.9 | 12374 | 200 |
| 225 | -47.4 | 15 | .0 | 346.1 | 11650 | -47.5 | 17 | .0 | 345.9 | 11604 | -48.3 | 18 | .0 | 344.7 | 11621 | -48.8 | 14 | .0 | 343.9 | 11611 | 225 |
| 250 | -41.1 | 14 | .1 | 345.3 | 10944 | -41.6 | 16 | .1 | 344.5 | 10899 | -42.4 | 18 | .1 | 343.3 | 10918 | -42.3 | 13 | .0 | 343.3 | 10908 | 250 |
| 275 | -35.6 | 14 | .1 | 344.1 | 10288 | -36.2 | 16 | .1 | 343.2 | 10245 | -37.0 | 18 | .1 | 342.1 | 10267 | -36.8 | 13 | .1 | 342.3 | 10256 | 275 |
| 300 | -31.4 | 15 | .1 | 341.8 | 9677 | -31.3 | 15 | .1 | 341.8 | 9635 | -32.4 | 19 | .2 | 340.4 | 9659 | -33.0 | 13 | .1 | 339.3 | 9649 | 300 |
| 325 | -27.4 | 16 | .2 | 339.7 | 9106 | -29.4 | 18 | .2 | 336.9 | 9065 | -28.4 | 20 | .2 | 338.4 | 9090 | -29.3 | 14 | .1 | 336.9 | 9082 | 325 |
| 350 | -23.8 | 17 | .3 | 337.7 | 8568 | -27.1 | 30 | .4 | 333.5 | 8533 | -24.8 | 21 | .3 | 336.6 | 8554 | -25.8 | 14 | .2 | 334.7 | 8549 | 350 |
| 375 | -20.5 | 17 | .3 | 335.9 | 8061 | -22.2 | 25 | .4 | 333.8 | 8032 | -21.4 | 22 | .4 | 334.9 | 8049 | -21.8 | 13 | .2 | 333.6 | 8045 | 375 |
| 400 | -17.3 | 18 | .4 | 334.2 | 7581 | -17.5 | 20 | .5 | 334.1 | 7553 | -18.2 | 23 | .5 | 333.3 | 7570 | -17.3 | 11 | .3 | 333.6 | 7566 | 400 |
| 425 | -13.9 | 18 | .6 | 333.2 | 7123 | -14.2 | 19 | .6 | 333.0 | 7096 | -14.1 | 24 | .7 | 333.6 | 7114 | -14.8 | 15 | .4 | 331.6 | 7109 | 425 |
| 450 | -10.7 | 18 | .7 | 332.3 | 6686 | -11.0 | 19 | .7 | 331.9 | 6659 | -10.8 | 25 | .9 | 333.0 | 6677 | -11.4 | 16 | .6 | 331.0 | 6674 | 450 |
| 475 | -7.7 | 17 | .8 | 331.3 | 6268 | -8.0 | 18 | .8 | 331.0 | 6242 | -8.2 | 27 | 1.2 | 332.1 | 6259 | -8.3 | 16 | .7 | 330.3 | 6257 | 475 |
| 500 | -4.8 | 16 | .8 | 330.3 | 5867 | -5.2 | 18 | .9 | 330.0 | 5841 | -5.7 | 29 | 1.5 | 331.2 | 5859 | -5.7 | 15 | .8 | 328.9 | 5857 | 500 |
| 525 | -2.2 | 15 | .9 | 329.2 | 5481 | -2.5 | 17 | 1.0 | 329.1 | 5456 | -3.3 | 30 | 1.7 | 330.3 | 5475 | -3.8 | 36 | 1.9 | 330.5 | 5473 | 525 |
| 550 | -.0 | 14 | 1.0 | 327.6 | 5111 | -.4 | 17 | 1.2 | 327.8 | 5086 | -1.0 | 20 | 1.3 | 327.5 | 5105 | -1.8 | 24 | 1.4 | 327.0 | 5104 | 550 |
| 575 | 2.0 | 14 | 1.0 | 326.0 | 4754 | 1.6 | 18 | 1.3 | 326.4 | 4729 | 1.0 | 29 | 2.1 | 328.2 | 4749 | -.2 | 68 | 4.4 | 334.1 | 4749 | 575 |
| 600 | 3.9 | 13 | 1.1 | 324.5 | 4409 | 3.5 | 18 | 1.5 | 325.2 | 4385 | 2.1 | 41 | 3.1 | 328.6 | 4406 | 1.7 | 85 | 6.1 | 337.5 | 4407 | 600 |
| 625 | 4.7 | 42 | 3.6 | 329.7 | 4077 | 3.6 | 59 | 4.7 | 331.5 | 4054 | 3.4 | 72 | 5.6 | 334.0 | 4076 | 3.9 | 70 | 5.7 | 335.0 | 4076 | 625 |
| 650 | 6.4 | 50 | 4.6 | 331.1 | 3756 | 5.4 | 40 | 3.4 | 326.2 | 3734 | 6.0 | 55 | 5.0 | 331.7 | 3756 | 6.2 | 39 | 3.6 | 327.6 | 3755 | 650 |
| 675 | 8.6 | 45 | 4.7 | 330.3 | 3445 | 7.7 | 32 | 3.1 | 324.3 | 3424 | 8.5 | 41 | 4.2 | 328.8 | 3445 | 8.1 | 59 | 5.9 | 333.2 | 3444 | 675 |
| 700 | 10.6 | 39 | 4.5 | 328.6 | 3143 | 8.8 | 51 | 5.2 | 328.5 | 3124 | 10.5 | 47 | 5.3 | 330.9 | 3143 | 8.6 | 59 | 6.0 | 330.5 | 3143 | 700 |
| 725 | 12.1 | 33 | 4.0 | 325.5 | 2850 | 10.9 | 46 | 5.1 | 327.4 | 2832 | 12.9 | 39 | 5.0 | 329.4 | 2850 | 9.2 | 93 | 9.4 | 337.7 | 2853 | 725 |
| 750 | 12.2 | 68 | 8.1 | 334.5 | 2566 | 12.9 | 38 | 4.7 | 325.5 | 2548 | 15.2 | 31 | 4.5 | 327.3 | 2564 | 10.7 | 95 | 10.3 | 338.8 | 2570 | 750 |
| 775 | 13.8 | 62 | 8.0 | 332.8 | 2289 | 14.5 | 37 | 4.9 | 324.7 | 2272 | 15.6 | 35 | 5.0 | 326.2 | 2286 | 12.0 | 95 | 10.9 | 338.8 | 2295 | 775 |
| 800 | 15.3 | 57 | 7.8 | 331.0 | 2021 | 15.8 | 38 | 5.3 | 324.5 | 2003 | 14.6 | 72 | 9.4 | 334.8 | 2016 | 13.4 | 94 | 11.4 | 338.8 | 2027 | 800 |
| 825 | 16.9 | 51 | 7.5 | 329.1 | 1759 | 16.6 | 57 | 8.2 | 330.7 | 1741 | 15.6 | 85 | 11.5 | 338.7 | 1755 | 14.6 | 93 | 12.0 | 338.8 | 1767 | 825 |
| 850 | 17.7 | 61 | 9.2 | 331.9 | 1504 | 18.8 | 55 | 8.9 | 332.4 | 1486 | 16.6 | 76 | 10.7 | 334.9 | 1500 | 16.7 | 78 | 11.1 | 336.1 | 1513 | 850 |
| 875 | 18.6 | 70 | 10.8 | 334.6 | 1255 | 18.8 | 62 | 9.7 | 331.8 | 1236 | 17.6 | 68 | 9.9 | 331.0 | 1253 | 18.8 | 59 | 9.1 | 330.2 | 1264 | 875 |
| 900 | 19.9 | 69 | 11.3 | 334.9 | 1012 | 18.1 | 71 | 10.4 | 330.1 | 994 | 18.1 | 92 | 13.5 | 338.8 | 1011 | 20.1 | 55 | 9.0 | 328.7 | 1021 | 900 |
| 925 | 21.1 | 69 | 11.9 | 335.2 | 775 | 18.8 | 75 | 11.2 | 330.6 | 759 | 19.1 | 94 | 14.3 | 339.3 | 775 | 20.5 | 73 | 12.0 | 334.9 | 785 | 925 |
| 950 | 22.4 | 69 | 12.4 | 335.4 | 543 | 20.6 | 76 | 12.4 | 333.3 | 528 | 20.5 | 93 | 15.0 | 340.3 | 544 | 20.9 | 94 | 15.6 | 342.2 | 553 | 950 |
| 975 | 23.5 | 68 | 12.9 | 335.8 | 316 | 22.5 | 75 | 13.4 | 335.8 | 303 | 22.6 | 87 | 15.6 | 341.8 | 318 | 22.8 | 88 | 16.0 | 343.3 | 327 | 975 |
| 1000 | 24.7 | 68 | 13.4 | 336.1 | 94 | 26.0 | 75 | 16.0 | 344.7 | 80 | 24.7 | 81 | 16.0 | 343.1 | 96 | 24.7 | 83 | 16.4 | 344.2 | 104 | 1000 |
| SFC. | 29.7 | 72 | 19.0 | 356.9 | 0 | 27.8 | 78 | 18.5 | 352.9 | 0 | 25.6 | 78 | 16.2 | 343.5 | 0 | 25.6 | 80 | 16.6 | 344.5 | 0 | SFC. |
| | SURFACE PRESSURE 1010.6 | | | | | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1010.9 | | | | | SURFACE PRESSURE 1011.9 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/19 1220 GMT | | | | | 3/19 1740 GMT | | | | | 3/19 2350 GMT | | | | | 3/20 6 1 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -68.1 | 0 | 0.0 | 458.5 | 19414 | -68.5 | 0 | 0.0 | 457.6 | 19363 | -69.6 | 0 | 0.0 | 455.1 | 19505 | -64.8 | 0 | 0.0 | 465.9 | 19503 | 60 |
| 70 | -72.3 | 0 | 0.0 | 429.8 | 18498 | -69.7 | 0 | 0.0 | 435.3 | 18441 | -70.6 | 0 | 0.0 | 433.3 | 18593 | -71.7 | 0 | 0.0 | 431.0 | 18582 | 70 |
| 80 | -73.4 | 30 | .0 | 411.4 | 17716 | -71.8 | 0 | 0.0 | 414.7 | 17648 | -71.9 | 18 | .0 | 414.4 | 17799 | -74.2 | 20 | .0 | 409.8 | 17796 | 80 |
| 90 | -77.4 | 31 | .0 | 389.9 | 17036 | -79.4 | 26 | .0 | 385.7 | 16969 | -78.3 | 18 | .0 | 387.9 | 17117 | -79.9 | 20 | .0 | 384.8 | 17120 | 90 |
| 100 | -77.5 | 32 | .0 | 378.0 | 16432 | -79.5 | 26 | .0 | 374.2 | 16374 | -79.5 | 18 | .0 | 374.2 | 16518 | -77.6 | 20 | .0 | 377.9 | 16520 | 100 |
| 110 | -78.2 | 32 | .0 | 366.6 | 15887 | -77.9 | 26 | .0 | 367.1 | 15831 | -76.8 | 18 | .0 | 369.2 | 15974 | -78.4 | 20 | .0 | 366.1 | 15975 | 110 |
| 120 | -77.0 | 32 | .0 | 359.7 | 15389 | -76.4 | 26 | .0 | 360.8 | 15332 | -74.3 | 18 | .0 | 364.7 | 15470 | -76.9 | 20 | .0 | 360.0 | 15476 | 120 |
| 130 | -74.9 | 32 | .0 | 355.4 | 14927 | -74.5 | 26 | .0 | 356.1 | 14869 | -72.0 | 19 | .0 | 360.5 | 15001 | -73.9 | 20 | .0 | 357.2 | 15013 | 130 |
| 140 | -72.9 | 32 | .0 | 351.4 | 14495 | -71.8 | 25 | .0 | 353.3 | 14435 | -69.9 | 19 | .0 | 356.7 | 14562 | -70.9 | 20 | .0 | 354.9 | 14577 | 140 |
| 150 | -69.7 | 32 | .0 | 350.1 | 14087 | -69.2 | 25 | .0 | 351.0 | 14025 | -67.9 | 19 | .0 | 353.1 | 14150 | -68.2 | 20 | .0 | 352.6 | 14166 | 150 |
| 160 | -66.7 | 31 | .0 | 348.8 | 13699 | -66.4 | 26 | .0 | 349.2 | 13637 | -66.1 | 19 | .0 | 349.8 | 13760 | -65.7 | 20 | .0 | 350.5 | 13776 | 160 |
| 170 | -63.8 | 31 | .0 | 347.5 | 13330 | -63.8 | 26 | .0 | 347.5 | 13268 | -63.6 | 19 | .0 | 347.8 | 13391 | -62.9 | 20 | .0 | 349.0 | 13406 | 170 |
| 180 | -61.2 | 31 | .0 | 346.3 | 12977 | -61.3 | 26 | .0 | 346.0 | 12916 | -60.6 | 18 | .0 | 347.1 | 13037 | -60.1 | 19 | .0 | 348.0 | 13051 | 180 |
| 190 | -58.6 | 30 | .0 | 345.1 | 12640 | -58.8 | 25 | .0 | 344.7 | 12578 | -57.8 | 17 | .0 | 346.3 | 12699 | -57.5 | 19 | .0 | 346.9 | 12712 | 190 |
| 200 | -56.1 | 30 | .0 | 344.0 | 12316 | -56.5 | 25 | .0 | 343.4 | 12254 | -54.9 | 17 | .0 | 345.9 | 12373 | -54.9 | 19 | .0 | 345.9 | 12386 | 200 |
| 225 | -49.4 | 30 | .1 | 343.0 | 11556 | -50.3 | 24 | .0 | 341.6 | 11497 | -48.1 | 17 | .0 | 344.9 | 11609 | -49.0 | 18 | .0 | 343.6 | 11623 | 225 |
| 250 | -43.4 | 30 | .1 | 342.0 | 10856 | -45.2 | 23 | .1 | 339.1 | 10800 | -42.8 | 17 | .1 | 342.7 | 10906 | -43.3 | 17 | .1 | 342.0 | 10923 | 250 |
| 275 | -38.2 | 30 | .2 | 340.6 | 10207 | -41.3 | 23 | .1 | 335.8 | 10160 | -37.8 | 16 | .1 | 340.9 | 10256 | -38.1 | 17 | .1 | 340.4 | 10274 | 275 |
| 300 | -34.7 | 31 | .2 | 337.3 | 9604 | -35.5 | 24 | .1 | 335.9 | 9562 | -32.6 | 16 | .1 | 339.9 | 9650 | -33.0 | 16 | .1 | 339.5 | 9669 | 300 |
| 325 | -31.4 | 31 | .3 | 334.5 | 9041 | -30.2 | 24 | .2 | 336.0 | 8999 | -27.9 | 15 | .2 | 339.0 | 9080 | -28.1 | 15 | .2 | 338.6 | 9100 | 325 |
| 350 | -26.5 | 28 | .4 | 334.4 | 8511 | -27.9 | 25 | .3 | 332.1 | 8469 | -23.5 | 14 | .2 | 338.0 | 8543 | -24.1 | 15 | .2 | 337.2 | 8564 | 350 |
| 375 | -22.2 | 27 | .5 | 334.0 | 8008 | -23.9 | 24 | .4 | 331.3 | 7969 | -21.4 | 15 | .3 | 334.4 | 8036 | -20.4 | 16 | .3 | 335.9 | 8057 | 375 |
| 400 | -18.7 | 28 | .6 | 333.0 | 7530 | -20.1 | 23 | .4 | 330.6 | 7495 | -17.8 | 14 | .3 | 333.1 | 7557 | -18.1 | 18 | .4 | 333.0 | 7576 | 400 |
| 425 | -15.7 | 33 | .9 | 332.0 | 7076 | -16.5 | 25 | .6 | 330.0 | 7042 | -14.5 | 17 | .5 | 332.2 | 7101 | -14.0 | 17 | .5 | 332.9 | 7120 | 425 |
| 450 | -12.1 | 32 | 1.1 | 332.0 | 6642 | -13.2 | 26 | .8 | 329.6 | 6609 | -11.1 | 16 | .6 | 331.6 | 6665 | -11.2 | 19 | .7 | 331.7 | 6683 | 450 |
| 475 | -8.6 | 31 | 1.3 | 332.0 | 6225 | -10.0 | 28 | 1.0 | 329.4 | 6195 | -7.9 | 16 | .7 | 330.9 | 6247 | -7.8 | 19 | .9 | 331.4 | 6266 | 475 |
| 500 | -6.1 | 31 | 1.5 | 330.9 | 5826 | -7.3 | 29 | 1.3 | 328.6 | 5797 | -5.1 | 17 | .9 | 330.2 | 5846 | -4.6 | 20 | 1.1 | 331.4 | 5864 | 500 |
| 525 | -3.8 | 35 | 1.9 | 330.4 | 5442 | -5.8 | 36 | 1.7 | 327.3 | 5416 | -2.4 | 19 | 1.2 | 329.7 | 5461 | -2.4 | 25 | 1.6 | 331.0 | 5479 | 525 |
| 550 | -2.2 | 59 | 3.5 | 333.0 | 5073 | -4.0 | 51 | 2.6 | 328.0 | 5050 | -.1 | 26 | 1.8 | 330.1 | 5090 | -.6 | 34 | 2.3 | 331.1 | 5108 | 550 |
| 575 | -.3 | 66 | 4.3 | 333.7 | 4719 | -1.9 | 49 | 2.8 | 327.0 | 4698 | 1.9 | 20 | 1.5 | 327.5 | 4733 | 1.1 | 48 | 3.5 | 332.8 | 4751 | 575 |
| 600 | 1.2 | 77 | 5.4 | 334.6 | 4377 | -.3 | 52 | 3.2 | 326.1 | 4358 | 3.5 | 36 | 3.0 | 330.1 | 4389 | 3.5 | 37 | 3.0 | 330.3 | 4407 | 600 |
| 625 | 3.6 | 64 | 5.1 | 332.7 | 4046 | 1.8 | 50 | 3.5 | 325.8 | 4030 | 5.3 | 26 | 2.3 | 326.4 | 4056 | 5.6 | 39 | 3.6 | 330.6 | 4075 | 625 |
| 650 | 4.9 | 66 | 5.5 | 331.8 | 3726 | 4.3 | 31 | 2.5 | 322.0 | 3712 | 6.9 | 30 | 2.9 | 326.3 | 3735 | 7.5 | 46 | 4.6 | 332.2 | 3753 | 650 |
| 675 | 6.7 | 41 | 3.8 | 325.3 | 3417 | 6.3 | 24 | 2.1 | 319.5 | 3404 | 8.5 | 33 | 3.4 | 326.3 | 3424 | 9.1 | 32 | 3.5 | 327.2 | 3441 | 675 |
| 700 | 8.5 | 51 | 5.0 | 327.7 | 3118 | 7.1 | 45 | 4.1 | 323.1 | 3105 | 10.0 | 37 | 4.0 | 326.4 | 3123 | 10.7 | 22 | 2.5 | 322.5 | 3139 | 700 |
| 725 | 10.2 | 71 | 7.7 | 334.1 | 2826 | 7.9 | 50 | 4.6 | 322.4 | 2816 | 11.6 | 27 | 3.2 | 322.5 | 2830 | 12.1 | 28 | 3.4 | 323.7 | 2846 | 725 |
| 750 | 10.6 | 83 | 8.9 | 334.6 | 2543 | 9.1 | 54 | 5.2 | 322.3 | 2536 | 12.7 | 28 | 3.4 | 321.3 | 2546 | 13.4 | 36 | 4.6 | 325.6 | 2561 | 750 |
| 775 | 12.0 | 71 | 8.1 | 330.9 | 2269 | 10.8 | 49 | 5.1 | 321.0 | 2263 | 14.7 | 18 | 2.5 | 317.7 | 2270 | 14.5 | 43 | 5.7 | 327.0 | 2285 | 775 |
| 800 | 13.1 | 85 | 10.2 | 335.1 | 2001 | 12.5 | 40 | 4.6 | 318.4 | 1997 | 15.6 | 29 | 4.1 | 320.5 | 2002 | 14.7 | 72 | 9.6 | 335.3 | 2016 | 800 |
| 825 | 14.4 | 67 | 8.4 | 328.6 | 1741 | 12.8 | 58 | 6.5 | 321.4 | 1739 | 16.2 | 43 | 6.0 | 324.0 | 1740 | 15.5 | 92 | 12.5 | 341.3 | 1754 | 825 |
| 850 | 15.9 | 64 | 8.6 | 328.0 | 1488 | 14.1 | 53 | 6.3 | 319.7 | 1488 | 17.3 | 49 | 7.2 | 325.7 | 1486 | 16.9 | 93 | 13.3 | 342.5 | 1499 | 850 |
| 875 | 16.6 | 73 | 10.0 | 329.8 | 1241 | 15.1 | 62 | 7.6 | 321.8 | 1242 | 19.3 | 40 | 6.5 | 323.3 | 1238 | 18.3 | 93 | 14.2 | 343.7 | 1251 | 875 |
| 900 | 18.2 | 70 | 10.2 | 329.8 | 1000 | 16.1 | 70 | 9.0 | 324.0 | 1003 | 20.8 | 39 | 6.8 | 323.2 | 995 | 19.6 | 94 | 15.2 | 345.1 | 1008 | 900 |
| 925 | 18.9 | 81 | 12.1 | 333.1 | 764 | 17.1 | 78 | 10.4 | 326.3 | 769 | 21.4 | 50 | 8.7 | 326.9 | 758 | 20.9 | 94 | 16.1 | 346.5 | 770 | 925 |
| 950 | 20.0 | 88 | 13.8 | 336.4 | 534 | 18.0 | 86 | 11.8 | 328.7 | 540 | 22.1 | 61 | 10.8 | 330.7 | 526 | 22.2 | 95 | 17.0 | 347.9 | 537 | 950 |
| 975 | 21.9 | 87 | 14.9 | 339.2 | 308 | 19.6 | 80 | 11.9 | 328.3 | 317 | 23.1 | 68 | 12.6 | 334.2 | 299 | 23.6 | 91 | 17.4 | 348.2 | 310 | 975 |
| 1000 | 23.9 | 85 | 16.1 | 342.2 | 87 | 22.9 | 84 | 14.9 | 337.9 | 97 | 25.8 | 66 | 14.0 | 339.0 | 77 | 25.0 | 87 | 17.8 | 348.3 | 87 | 1000 |
| SFC. | 25.2 | 83 | 16.8 | 344.9 | 0 | 25.0 | 90 | 18.0 | 347.8 | 0 | 30.6 | 67 | 18.7 | 357.3 | 0 | 25.6 | 86 | 17.9 | 348.3 | 0 | SFC. |
| | SURFACE PRESSURE 1009.9 | | | | | SURFACE PRESSURE 1011.1 | | | | | SURFACE PRESSURE 1008.7 | | | | | SURFACE PRESSURE 1009.9 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/20 12 0 GMT | | | | | 3/20 15 0 GMT | | | | | 3/20 1730 GMT | | | | | 3/20 2030 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -63.5 | 0 | 0.0 | 468.7 | 19494 | -65.0 | 0 | 0.0 | 465.4 | 19431 | -63.8 | 0 | 0.0 | 468.1 | 19508 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -72.7 | 0 | 0.0 | 428.9 | 18556 | -72.2 | 24 | .0 | 429.9 | 18503 | -73.0 | 0 | 0.0 | 428.3 | 18580 | -72.4 | 0 | 0.0 | 429.5 | 18623 | 70 |
| 80 | -72.5 | 0 | 0.0 | 413.2 | 17772 | -73.3 | 24 | .0 | 411.6 | 17719 | -73.2 | 0 | 0.0 | 411.9 | 17799 | -72.4 | 20 | .0 | 413.5 | 17838 | 80 |
| 90 | -76.6 | 16 | .0 | 391.4 | 17085 | -78.4 | 25 | .0 | 387.8 | 17037 | -77.4 | 0 | 0.0 | 389.8 | 17113 | -73.7 | 20 | .0 | 397.2 | 17145 | 90 |
| 100 | -77.0 | 16 | .0 | 379.0 | 16482 | -76.8 | 24 | .0 | 379.4 | 16435 | -75.4 | 0 | 0.0 | 382.1 | 16505 | -74.7 | 20 | .0 | 383.5 | 16533 | 100 |
| 110 | -77.4 | 16 | .0 | 368.0 | 15935 | -76.9 | 25 | .0 | 369.0 | 15887 | -76.3 | 26 | .0 | 370.1 | 15955 | -75.9 | 20 | .0 | 370.8 | 15980 | 110 |
| 120 | -75.2 | 16 | .0 | 363.0 | 15433 | -75.6 | 25 | .0 | 362.3 | 15386 | -74.5 | 27 | .0 | 364.4 | 15451 | -74.4 | 20 | .0 | 364.5 | 15478 | 120 |
| 130 | -73.2 | 15 | .0 | 358.3 | 14967 | -74.4 | 25 | .0 | 356.2 | 14921 | -71.5 | 27 | .0 | 361.5 | 14982 | -71.1 | 20 | .0 | 362.1 | 15008 | 130 |
| 140 | -71.4 | 15 | .0 | 354.0 | 14531 | -72.2 | 24 | .0 | 352.6 | 14488 | -70.8 | 26 | .0 | 355.2 | 14543 | -69.0 | 20 | .0 | 358.3 | 14567 | 140 |
| 150 | -68.4 | 15 | .0 | 352.3 | 14120 | -69.4 | 24 | .0 | 350.5 | 14079 | -68.2 | 26 | .0 | 352.6 | 14132 | -66.8 | 20 | .0 | 355.0 | 14152 | 150 |
| 160 | -65.6 | 15 | .0 | 350.6 | 13731 | -66.8 | 23 | .0 | 348.6 | 13692 | -65.7 | 26 | .0 | 350.5 | 13742 | -64.2 | 20 | .0 | 352.9 | 13760 | 160 |
| 170 | -63.0 | 15 | .0 | 348.9 | 13360 | -64.3 | 22 | .0 | 346.7 | 13323 | -63.3 | 26 | .0 | 348.5 | 13372 | -61.8 | 20 | .0 | 350.8 | 13387 | 170 |
| 180 | -60.4 | 15 | .0 | 347.4 | 13006 | -61.7 | 22 | .0 | 345.4 | 12972 | -60.9 | 26 | .0 | 346.7 | 13018 | -59.9 | 20 | .0 | 348.3 | 13031 | 180 |
| 190 | -57.7 | 15 | .0 | 346.4 | 12667 | -59.0 | 22 | .0 | 344.5 | 12635 | -58.1 | 26 | .0 | 345.8 | 12680 | -57.7 | 20 | .0 | 346.5 | 12692 | 190 |
| 200 | -55.2 | 14 | .0 | 345.5 | 12342 | -56.4 | 22 | .0 | 343.6 | 12311 | -55.5 | 26 | .0 | 345.0 | 12355 | -55.7 | 20 | .0 | 344.7 | 12367 | 200 |
| 225 | -49.9 | 14 | .0 | 342.1 | 11580 | -49.9 | 22 | .0 | 342.3 | 11552 | -48.9 | 25 | .1 | 343.8 | 11593 | -50.3 | 19 | .0 | 341.6 | 11608 | 225 |
| 250 | -43.5 | 13 | .0 | 341.6 | 10881 | -43.8 | 23 | .1 | 341.2 | 10854 | -43.2 | 26 | .1 | 342.2 | 10892 | -44.0 | 19 | .1 | 341.0 | 10911 | 250 |
| 275 | -38.2 | 12 | .1 | 340.1 | 10233 | -38.8 | 24 | .1 | 339.4 | 10206 | -38.6 | 30 | .1 | 339.9 | 10244 | -37.6 | 18 | .1 | 341.1 | 10263 | 275 |
| 300 | -33.5 | 11 | .1 | 338.5 | 9628 | -34.7 | 22 | .1 | 337.1 | 9605 | -34.8 | 36 | .2 | 337.4 | 9642 | -34.1 | 19 | .1 | 337.9 | 9658 | 300 |
| 325 | -29.1 | 10 | .1 | 337.0 | 9061 | -29.8 | 18 | .2 | 336.3 | 9040 | -29.4 | 26 | .3 | 337.2 | 9077 | -28.9 | 19 | .2 | 337.6 | 9092 | 325 |
| 350 | -24.9 | 10 | .1 | 335.8 | 8527 | -25.3 | 16 | .2 | 335.6 | 8507 | -24.7 | 22 | .3 | 336.7 | 8542 | -24.2 | 18 | .3 | 337.3 | 8557 | 350 |
| 375 | -21.5 | 12 | .2 | 334.0 | 8022 | -21.2 | 17 | .3 | 334.8 | 8002 | -20.5 | 21 | .4 | 336.1 | 8036 | -19.9 | 18 | .4 | 336.7 | 8049 | 375 |
| 400 | -19.3 | 16 | .3 | 331.2 | 7544 | -17.3 | 17 | .4 | 334.1 | 7522 | -17.3 | 20 | .5 | 334.5 | 7555 | -17.1 | 18 | .4 | 334.5 | 7568 | 400 |
| 425 | -15.7 | 16 | .4 | 330.4 | 7090 | -16.4 | 18 | .5 | 329.7 | 7068 | -15.1 | 24 | .7 | 332.1 | 7098 | -14.4 | 17 | .5 | 332.4 | 7111 | 425 |
| 450 | -12.4 | 16 | .5 | 329.7 | 6656 | -12.8 | 19 | .6 | 329.3 | 6635 | -12.9 | 29 | .9 | 330.3 | 6665 | -13.2 | 18 | .6 | 328.8 | 6676 | 450 |
| 475 | -9.2 | 16 | .6 | 328.9 | 6240 | -9.4 | 19 | .7 | 329.1 | 6220 | -9.2 | 26 | 1.0 | 330.3 | 6250 | -9.5 | 18 | .7 | 328.7 | 6262 | 475 |
| 500 | -6.5 | 16 | .8 | 327.9 | 5841 | -6.6 | 19 | .9 | 328.2 | 5821 | -6.0 | 25 | 1.2 | 330.0 | 5851 | -6.1 | 17 | .8 | 328.6 | 5863 | 500 |
| 525 | -4.4 | 29 | 1.5 | 328.3 | 5459 | -4.3 | 21 | 1.1 | 327.3 | 5439 | -3.8 | 29 | 1.6 | 329.3 | 5467 | -3.5 | 21 | 1.2 | 328.4 | 5479 | 525 |
| 550 | -2.6 | 47 | 2.7 | 329.9 | 5091 | -2.9 | 42 | 2.3 | 328.5 | 5071 | -2.2 | 35 | 2.1 | 328.5 | 5099 | -2.2 | 32 | 1.9 | 327.9 | 5110 | 550 |
| 575 | .1 | 26 | 1.7 | 326.1 | 4737 | -.3 | 22 | 1.4 | 324.4 | 4717 | .3 | 33 | 2.2 | 327.9 | 4744 | .6 | 18 | 1.2 | 325.0 | 4755 | 575 |
| 600 | 3.0 | 15 | 1.2 | 323.7 | 4394 | 2.4 | 19 | 1.4 | 323.7 | 4375 | 3.3 | 25 | 2.0 | 326.8 | 4401 | 3.0 | 16 | 1.3 | 324.0 | 4412 | 600 |
| 625 | 4.6 | 34 | 2.9 | 327.3 | 4062 | 4.3 | 34 | 2.8 | 326.7 | 4044 | 5.1 | 25 | 2.2 | 325.7 | 4069 | 5.2 | 18 | 1.6 | 323.8 | 4081 | 625 |
| 650 | 6.4 | 19 | 1.8 | 322.2 | 3742 | 6.3 | 18 | 1.7 | 321.7 | 3724 | 7.0 | 30 | 2.9 | 326.4 | 3748 | 7.0 | 26 | 2.5 | 325.1 | 3759 | 650 |
| 675 | 8.3 | 24 | 2.4 | 322.9 | 3431 | 7.9 | 18 | 1.8 | 320.5 | 3414 | 8.6 | 32 | 3.3 | 326.0 | 3436 | 8.3 | 17 | 1.7 | 320.8 | 3449 | 675 |
| 700 | 9.6 | 27 | 2.9 | 322.4 | 3130 | 9.5 | 18 | 1.9 | 319.3 | 3113 | 10.0 | 33 | 3.6 | 325.1 | 3135 | 10.1 | 18 | 1.9 | 320.1 | 3148 | 700 |
| 725 | 10.9 | 31 | 3.5 | 322.6 | 2839 | 10.9 | 31 | 3.4 | 322.4 | 2822 | 11.3 | 34 | 3.9 | 324.4 | 2843 | 11.8 | 20 | 2.3 | 320.0 | 2855 | 725 |
| 750 | 12.5 | 18 | 2.2 | 317.3 | 2555 | 12.3 | 26 | 3.1 | 319.7 | 2538 | 12.8 | 34 | 4.1 | 323.6 | 2559 | 13.6 | 29 | 3.7 | 323.2 | 2571 | 750 |
| 775 | 13.5 | 40 | 5.0 | 323.8 | 2280 | 13.2 | 49 | 6.0 | 326.4 | 2263 | 14.3 | 33 | 4.3 | 322.8 | 2283 | 14.8 | 21 | 2.8 | 318.9 | 2295 | 775 |
| 800 | 15.0 | 50 | 6.7 | 327.4 | 2012 | 14.8 | 35 | 4.7 | 321.3 | 1995 | 15.7 | 47 | 6.6 | 328.0 | 2014 | 16.0 | 37 | 5.3 | 324.6 | 2026 | 800 |
| 825 | 15.4 | 74 | 9.9 | 334.0 | 1751 | 14.6 | 32 | 4.1 | 316.6 | 1735 | 14.8 | 65 | 8.3 | 328.8 | 1753 | 16.1 | 52 | 7.3 | 327.5 | 1764 | 825 |
| 850 | 17.0 | 75 | 10.7 | 335.4 | 1496 | 16.8 | 55 | 7.7 | 326.7 | 1482 | 16.5 | 64 | 8.9 | 329.8 | 1500 | 17.4 | 53 | 7.8 | 327.5 | 1509 | 850 |
| 875 | 18.2 | 79 | 12.0 | 337.5 | 1248 | 16.4 | 61 | 8.2 | 324.8 | 1234 | 18.7 | 62 | 9.7 | 331.8 | 1251 | 18.6 | 58 | 9.0 | 329.5 | 1261 | 875 |
| 900 | 19.0 | 86 | 13.2 | 339.0 | 1005 | 16.6 | 90 | 12.0 | 332.8 | 994 | 19.6 | 76 | 12.1 | 336.7 | 1009 | 19.7 | 63 | 10.2 | 331.6 | 1018 | 900 |
| 925 | 19.4 | 93 | 14.4 | 340.1 | 768 | 18.6 | 90 | 13.2 | 335.8 | 759 | 20.1 | 86 | 13.9 | 339.5 | 772 | 20.8 | 69 | 11.6 | 333.9 | 781 | 925 |
| 950 | 20.2 | 98 | 15.5 | 341.3 | 538 | 20.6 | 89 | 14.5 | 338.9 | 528 | 21.1 | 82 | 13.6 | 337.3 | 540 | 21.9 | 74 | 12.9 | 336.3 | 550 | 950 |
| 975 | 22.3 | 93 | 16.4 | 343.7 | 312 | 22.6 | 88 | 15.7 | 342.2 | 302 | 22.4 | 88 | 15.6 | 341.6 | 314 | 23.0 | 74 | 13.6 | 336.9 | 323 | 975 |
| 1000 | 24.4 | 88 | 17.2 | 346.1 | 89 | 24.4 | 87 | 17.1 | 345.6 | 80 | 24.2 | 87 | 16.8 | 344.4 | 92 | 24.9 | 78 | 15.6 | 342.2 | 101 | 1000 |
| SFC. | 25.3 | 86 | 17.6 | 346.9 | 0 | 25.1 | 87 | 17.6 | 346.8 | 0 | 25.6 | 87 | 18.1 | 348.7 | 0 | 26.3 | 84 | 18.2 | 349.8 | 0 | SFC. |
| | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1011.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/20 2350 GMT T | RH | W | EPT | H | 3/21 3 0 GMT T | RH | W | EPT | H | 3/21 630 GMT T | RH | W | EPT | H | 3/21 910 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.9 | 0 | 0.0 | 467.8 | 19511 | -64.2 | 0 | 0.0 | 467.2 | 19522 | -62.6 | 0 | 0.0 | 470.8 | 19492 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -71.0 | 0 | 0.0 | 432.5 | 18579 | -69.4 | 0 | 0.0 | 435.9 | 18585 | -73.8 | 0 | 0.0 | 426.5 | 18563 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -72.6 | 19 | .0 | 413.0 | 17796 | -73.0 | 0 | 0.0 | 412.1 | 17801 | -75.6 | 26 | .0 | 406.9 | 17788 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -75.8 | 19 | .0 | 393.0 | 17105 | -75.8 | 23 | .0 | 393.0 | 17111 | -77.0 | 26 | .0 | 390.6 | 17109 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -75.8 | 19 | .0 | 381.3 | 16499 | -78.7 | 24 | .0 | 375.7 | 16509 | -78.3 | 26 | .0 | 376.5 | 16505 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -76.1 | 19 | .0 | 370.5 | 15948 | -78.1 | 24 | .0 | 366.8 | 15966 | -78.3 | 26 | .0 | 366.4 | 15961 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -75.5 | 18 | .0 | 362.5 | 15446 | -75.4 | 24 | .0 | 362.7 | 15466 | -78.3 | 26 | .0 | 357.3 | 15465 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -71.9 | 18 | .0 | 360.7 | 14979 | -72.1 | 24 | .0 | 360.4 | 14999 | -75.5 | 26 | .0 | 354.3 | 15007 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -68.1 | 18 | .0 | 359.8 | 14538 | -68.3 | 23 | .0 | 359.5 | 14558 | -68.7 | 25 | .0 | 358.7 | 14571 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -66.9 | 18 | .0 | 354.8 | 14122 | -65.3 | 23 | .0 | 357.6 | 14141 | -68.1 | 25 | .0 | 352.8 | 14156 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -64.8 | 18 | .0 | 351.9 | 13731 | -65.3 | 24 | .0 | 351.1 | 13750 | -65.0 | 25 | .0 | 351.6 | 13766 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.2 | 18 | .0 | 350.2 | 13358 | -61.8 | 23 | .0 | 350.9 | 13377 | -62.1 | 25 | .0 | 350.4 | 13394 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.8 | 18 | .0 | 348.5 | 13003 | -59.0 | 22 | .0 | 349.9 | 13021 | -59.4 | 25 | .0 | 349.2 | 13038 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -57.5 | 18 | .0 | 346.9 | 12664 | -56.8 | 22 | .0 | 348.0 | 12680 | -56.8 | 24 | .0 | 348.0 | 12698 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -55.3 | 18 | .0 | 345.3 | 12338 | -55.0 | 22 | .0 | 345.8 | 12354 | -54.4 | 24 | .0 | 346.8 | 12371 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -50.3 | 18 | .0 | 341.6 | 11578 | -50.4 | 21 | .0 | 341.5 | 11594 | -48.7 | 24 | .0 | 344.1 | 11606 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -44.5 | 18 | .1 | 340.1 | 10881 | -44.5 | 22 | .1 | 340.2 | 10898 | -44.0 | 33 | .1 | 341.1 | 10907 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -38.7 | 17 | .1 | 339.5 | 10235 | -39.1 | 22 | .1 | 339.1 | 10252 | -38.7 | 34 | .2 | 339.8 | 10260 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -33.9 | 17 | .1 | 338.2 | 9631 | -34.1 | 23 | .2 | 338.0 | 9649 | -33.9 | 39 | .3 | 338.8 | 9657 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -29.8 | 17 | .2 | 336.4 | 9066 | -29.5 | 24 | .2 | 336.9 | 9083 | -28.7 | 35 | .4 | 338.7 | 9090 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -25.2 | 17 | .2 | 335.7 | 8533 | -25.2 | 23 | .3 | 336.1 | 8550 | -25.0 | 44 | .6 | 337.5 | 8554 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -21.0 | 17 | .3 | 335.1 | 8027 | -20.9 | 20 | .4 | 335.4 | 8044 | -21.3 | 31 | .6 | 335.6 | 8050 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -17.0 | 17 | .4 | 334.6 | 7547 | -17.2 | 18 | .4 | 334.4 | 7564 | -17.3 | 14 | .3 | 333.9 | 7570 | -16.8 | 14 | .4 | 334.6 | 7588 | 400 |
| 425 | -13.8 | 17 | .5 | 333.2 | 7089 | -13.9 | 17 | .5 | 333.1 | 7106 | -14.7 | 16 | .5 | 331.9 | 7113 | -13.7 | 11 | .3 | 332.7 | 7130 | 425 |
| 450 | -12.8 | 19 | .6 | 329.5 | 6654 | -11.7 | 20 | .7 | 331.1 | 6670 | -12.2 | 18 | .6 | 330.1 | 6678 | -11.6 | 10 | .3 | 330.0 | 6694 | 450 |
| 475 | -9.7 | 19 | .7 | 328.7 | 6239 | -8.9 | 21 | .8 | 330.1 | 6254 | -9.5 | 18 | .7 | 328.8 | 6263 | -9.1 | 10 | .4 | 328.2 | 6278 | 475 |
| 500 | -6.2 | 18 | .9 | 328.6 | 5840 | -5.3 | 20 | 1.0 | 330.2 | 5854 | -6.0 | 16 | .8 | 328.7 | 5864 | -5.9 | 10 | .5 | 327.6 | 5879 | 500 |
| 525 | -2.9 | 17 | 1.0 | 328.5 | 5457 | -1.9 | 19 | 1.2 | 330.4 | 5469 | -2.6 | 14 | .9 | 328.4 | 5480 | -3.6 | 14 | .8 | 326.8 | 5495 | 525 |
| 550 | -1.4 | 29 | 1.8 | 328.6 | 5087 | -.7 | 29 | 1.9 | 329.8 | 5098 | -1.7 | 28 | 1.7 | 328.0 | 5110 | -2.0 | 17 | 1.0 | 325.3 | 5127 | 550 |
| 575 | 1.0 | 20 | 1.4 | 326.1 | 4731 | 1.1 | 22 | 1.6 | 326.8 | 4742 | .6 | 14 | 1.0 | 324.3 | 4755 | .6 | 13 | .9 | 324.0 | 4772 | 575 |
| 600 | 3.2 | 20 | 1.6 | 325.4 | 4388 | 3.6 | 22 | 1.8 | 326.5 | 4398 | 3.0 | 14 | 1.1 | 323.3 | 4412 | 3.0 | 10 | .8 | 322.6 | 4429 | 600 |
| 625 | 5.3 | 22 | 2.0 | 325.3 | 4056 | 6.0 | 22 | 2.1 | 326.3 | 4066 | 4.9 | 28 | 2.4 | 326.1 | 4081 | 5.0 | 17 | 1.5 | 323.2 | 4097 | 625 |
| 650 | 7.3 | 23 | 2.3 | 324.8 | 3735 | 8.0 | 22 | 2.3 | 325.6 | 3743 | 6.7 | 39 | 3.7 | 328.5 | 3760 | 6.9 | 25 | 2.3 | 324.6 | 3776 | 650 |
| 675 | 9.0 | 21 | 2.3 | 323.2 | 3423 | 9.7 | 22 | 2.4 | 324.6 | 3431 | 8.6 | 27 | 2.8 | 324.4 | 3449 | 8.5 | 40 | 4.1 | 328.5 | 3465 | 675 |
| 700 | 10.6 | 20 | 2.2 | 321.6 | 3121 | 11.3 | 22 | 2.6 | 323.7 | 3129 | 9.7 | 75 | 8.1 | 338.0 | 3147 | 9.7 | 75 | 8.2 | 338.3 | 3163 | 700 |
| 725 | 12.1 | 20 | 2.4 | 320.6 | 2829 | 12.8 | 25 | 3.1 | 323.7 | 2835 | 11.1 | 86 | 9.9 | 341.5 | 2854 | 11.1 | 89 | 10.3 | 342.6 | 2870 | 725 |
| 750 | 13.1 | 33 | 4.2 | 324.1 | 2544 | 13.6 | 43 | 5.7 | 329.1 | 2550 | 12.5 | 91 | 11.1 | 343.4 | 2570 | 12.6 | 89 | 10.9 | 343.1 | 2586 | 750 |
| 775 | 14.2 | 42 | 5.5 | 326.3 | 2268 | 15.0 | 40 | 5.5 | 327.1 | 2273 | 13.9 | 96 | 12.4 | 345.5 | 2293 | 14.1 | 89 | 11.6 | 343.6 | 2309 | 775 |
| 800 | 15.6 | 37 | 5.2 | 323.8 | 1999 | 16.9 | 48 | 7.3 | 331.6 | 2003 | 15.3 | 92 | 12.7 | 344.9 | 2023 | 15.5 | 88 | 12.4 | 344.1 | 2039 | 800 |
| 825 | 16.6 | 44 | 6.3 | 325.4 | 1738 | 16.5 | 77 | 11.0 | 338.5 | 1740 | 16.7 | 88 | 12.9 | 344.0 | 1760 | 16.9 | 88 | 13.1 | 344.8 | 1776 | 825 |
| 850 | 17.6 | 50 | 7.5 | 327.1 | 1483 | 17.3 | 84 | 12.5 | 340.6 | 1485 | 18.1 | 84 | 13.1 | 343.2 | 1504 | 18.2 | 88 | 13.8 | 345.4 | 1520 | 850 |
| 875 | 18.5 | 57 | 8.8 | 328.9 | 1234 | 18.9 | 90 | 14.3 | 344.7 | 1236 | 18.8 | 90 | 14.2 | 344.3 | 1255 | 19.5 | 88 | 14.5 | 346.2 | 1270 | 875 |
| 900 | 19.5 | 63 | 10.0 | 330.8 | 992 | 19.8 | 91 | 14.9 | 344.5 | 992 | 19.7 | 94 | 15.2 | 345.4 | 1012 | 20.7 | 89 | 15.4 | 347.1 | 1026 | 900 |
| 925 | 20.4 | 69 | 11.3 | 332.7 | 755 | 21.4 | 91 | 16.0 | 346.9 | 754 | 20.9 | 94 | 16.1 | 346.5 | 774 | 21.8 | 90 | 16.3 | 348.1 | 787 | 925 |
| 950 | 21.4 | 73 | 12.5 | 334.6 | 524 | 23.0 | 91 | 17.2 | 349.4 | 521 | 22.2 | 95 | 17.0 | 347.7 | 541 | 23.0 | 91 | 17.1 | 349.2 | 554 | 950 |
| 975 | 23.4 | 69 | 13.0 | 335.8 | 297 | 24.6 | 90 | 18.4 | 352.0 | 293 | 23.4 | 95 | 17.8 | 348.9 | 314 | 24.0 | 92 | 18.0 | 350.3 | 326 | 975 |
| 1000 | 25.7 | 70 | 14.8 | 341.0 | 75 | 26.1 | 90 | 19.6 | 354.6 | 69 | 24.5 | 95 | 18.7 | 350.1 | 91 | 25.1 | 93 | 18.9 | 351.5 | 103 | 1000 |
| SFC. | 27.0 | 77 | 17.4 | 348.9 | 0 | 26.6 | 90 | 20.0 | 355.5 | 0 | 25.0 | 95 | 19.1 | 350.7 | 0 | 25.6 | 93 | 19.4 | 352.0 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.5 | SURFACE PRESSURE | | | | 1007.8 | SURFACE PRESSURE | | | | 1010.4 | SURFACE PRESSURE | | | | 1011.7 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/21 1424 GMT | | | | | 3/21 18 0 GMT | | | | | 3/22 020 GMT | | | | | 3/22 615 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.6 | 0 | 0.0 | 461.9 | 19463 | -65.9 | 0 | 0.0 | 463.4 | 19449 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 0 | 0.0 | 431.2 | 18537 | -68.5 | 27 | .0 | 438.0 | 18514 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 25 | .0 | 408.6 | 17749 | -74.2 | 26 | .0 | 409.8 | 17726 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 25 | .0 | 389.4 | 17074 | -80.0 | 27 | .0 | 384.5 | 17052 | 90 |
| 100 | -77.2 | 0 | 0.0 | 378.6 | 16429 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.9 | 25 | .0 | 381.1 | 16468 | -76.6 | 27 | .0 | 379.8 | 16450 | 100 |
| 110 | -76.5 | 14 | .0 | 369.7 | 15881 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 25 | .0 | 372.6 | 15914 | -80.0 | 27 | .0 | 363.2 | 15908 | 110 |
| 120 | -74.8 | 14 | .0 | 363.7 | 15377 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.5 | 25 | .0 | 362.5 | 15411 | -76.2 | 27 | .0 | 361.2 | 15411 | 120 |
| 130 | -73.3 | 15 | .0 | 358.2 | 14911 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.1 | 25 | .0 | 360.3 | 14944 | -72.7 | 27 | .0 | 359.4 | 14945 | 130 |
| 140 | -72.5 | 15 | .0 | 352.1 | 14476 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.4 | 25 | .0 | 359.3 | 14504 | -69.4 | 26 | .0 | 357.5 | 14506 | 140 |
| 150 | -70.3 | 15 | .0 | 349.1 | 14069 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.5 | 25 | .0 | 357.3 | 14086 | -66.4 | 26 | .0 | 355.8 | 14091 | 150 |
| 160 | -67.1 | 15 | .0 | 348.1 | 13683 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 25 | .0 | 349.3 | 13695 | -63.6 | 26 | .0 | 354.0 | 13698 | 160 |
| 170 | -64.1 | 14 | .0 | 347.1 | 13314 | -62.6 | 24 | .0 | 349.6 | 13341 | -63.7 | 25 | .0 | 347.7 | 13326 | -62.5 | 27 | .0 | 349.8 | 13325 | 170 |
| 180 | -61.3 | 14 | .0 | 346.1 | 12962 | -59.7 | 24 | .0 | 348.6 | 12986 | -61.2 | 26 | .0 | 346.2 | 12973 | -61.6 | 29 | .0 | 345.5 | 12971 | 180 |
| 190 | -58.6 | 14 | .0 | 345.1 | 12624 | -57.0 | 25 | .0 | 347.6 | 12646 | -58.8 | 26 | .0 | 344.8 | 12636 | -59.5 | 29 | .0 | 343.7 | 12635 | 190 |
| 200 | -55.8 | 14 | .0 | 344.4 | 12300 | -54.5 | 25 | .0 | 346.7 | 12320 | -56.1 | 26 | .0 | 344.0 | 12312 | -56.9 | 29 | .0 | 342.9 | 12312 | 200 |
| 225 | -49.3 | 13 | .0 | 343.0 | 11539 | -49.0 | 25 | .0 | 343.7 | 11555 | -50.1 | 25 | .0 | 341.9 | 11553 | -50.8 | 29 | .0 | 340.8 | 11556 | 225 |
| 250 | -43.5 | 12 | .0 | 341.5 | 10839 | -44.5 | 26 | .1 | 340.2 | 10857 | -44.8 | 24 | .1 | 339.8 | 10856 | -45.2 | 27 | .1 | 339.3 | 10861 | 250 |
| 275 | -39.8 | 26 | .1 | 338.0 | 10193 | -39.9 | 27 | .1 | 337.8 | 10213 | -39.5 | 23 | .1 | 338.4 | 10212 | -39.4 | 21 | .1 | 338.5 | 10217 | 275 |
| 300 | -35.8 | 37 | .2 | 335.8 | 9593 | -35.1 | 28 | .2 | 336.6 | 9612 | -34.0 | 21 | .2 | 338.0 | 9610 | -34.4 | 18 | .1 | 337.5 | 9615 | 300 |
| 325 | -31.5 | 39 | .3 | 334.5 | 9032 | -30.8 | 28 | .2 | 335.3 | 9049 | -29.3 | 20 | .2 | 337.1 | 9043 | -29.8 | 16 | .2 | 336.3 | 9050 | 325 |
| 350 | -27.1 | 34 | .4 | 333.7 | 8503 | -26.7 | 27 | .3 | 334.0 | 8519 | -26.2 | 23 | .3 | 334.6 | 8511 | -26.1 | 16 | .2 | 334.4 | 8517 | 350 |
| 375 | -23.1 | 30 | .5 | 332.8 | 8002 | -23.0 | 27 | .4 | 332.8 | 8017 | -22.5 | 28 | .5 | 333.5 | 8008 | -22.7 | 17 | .3 | 332.7 | 8015 | 375 |
| 400 | -19.3 | 26 | .5 | 331.9 | 7525 | -19.5 | 26 | .5 | 331.7 | 7541 | -19.1 | 32 | .7 | 332.7 | 7531 | -19.8 | 40 | .8 | 332.2 | 7538 | 400 |
| 425 | -15.1 | 12 | .3 | 331.0 | 7070 | -16.2 | 26 | .7 | 330.6 | 7087 | -15.3 | 28 | .8 | 332.2 | 7077 | -16.3 | 32 | .8 | 331.0 | 7085 | 425 |
| 450 | -12.5 | 10 | .3 | 328.9 | 6636 | -12.4 | 22 | .7 | 330.3 | 6654 | -11.7 | 25 | .8 | 331.6 | 6642 | -13.0 | 24 | .7 | 329.6 | 6653 | 450 |
| 475 | -10.0 | 11 | .4 | 327.2 | 6221 | -9.1 | 20 | .8 | 329.6 | 6238 | -8.4 | 21 | .9 | 330.9 | 6225 | -10.0 | 23 | .8 | 328.7 | 6238 | 475 |
| 500 | -6.8 | 11 | .5 | 326.5 | 5823 | -6.6 | 19 | .9 | 328.2 | 5840 | -5.5 | 21 | 1.1 | 330.2 | 5825 | -7.4 | 46 | 2.0 | 330.9 | 5840 | 500 |
| 525 | -3.8 | 10 | .6 | 325.9 | 5441 | -4.2 | 19 | 1.0 | 327.0 | 5457 | -3.1 | 22 | 1.3 | 329.3 | 5441 | -5.3 | 72 | 3.6 | 333.8 | 5458 | 525 |
| 550 | -1.5 | 15 | .9 | 325.7 | 5072 | -2.7 | 28 | 1.6 | 326.3 | 5089 | -1.7 | 25 | 1.6 | 327.5 | 5071 | -2.8 | 78 | 4.4 | 335.1 | 5091 | 550 |
| 575 | .3 | 10 | .7 | 322.8 | 4717 | -.4 | 39 | 2.5 | 327.8 | 4735 | -.3 | 28 | 1.8 | 325.8 | 4717 | -.5 | 63 | 4.0 | 332.5 | 4737 | 575 |
| 600 | 2.7 | 10 | .8 | 322.0 | 4374 | 2.7 | 22 | 1.7 | 325.1 | 4392 | 1.6 | 49 | 3.5 | 329.3 | 4375 | 1.6 | 24 | 1.7 | 323.8 | 4395 | 600 |
| 625 | 5.0 | 10 | .9 | 321.3 | 4043 | 4.3 | 32 | 2.7 | 326.3 | 4061 | 3.9 | 48 | 3.8 | 329.3 | 4044 | 2.7 | 78 | 5.8 | 333.9 | 4065 | 625 |
| 650 | 2.3 | 43 | 3.0 | 321.1 | 3725 | 5.3 | 63 | 5.4 | 331.9 | 3741 | 6.0 | 43 | 3.9 | 328.2 | 3724 | 4.4 | 92 | 7.4 | 336.8 | 3746 | 650 |
| 675 | 5.2 | 60 | 4.9 | 326.7 | 3418 | 7.4 | 47 | 4.5 | 328.3 | 3431 | 7.4 | 47 | 4.5 | 328.2 | 3414 | 6.2 | 92 | 8.2 | 337.4 | 3437 | 675 |
| 700 | 7.7 | 82 | 7.8 | 334.6 | 3120 | 8.4 | 62 | 6.1 | 330.8 | 3131 | 6.9 | 44 | 3.9 | 322.3 | 3115 | 7.9 | 93 | 8.9 | 338.2 | 3136 | 700 |
| 725 | 9.0 | 83 | 8.3 | 334.2 | 2828 | 10.2 | 63 | 6.8 | 331.3 | 2839 | 10.4 | 71 | 7.7 | 334.4 | 2825 | 9.6 | 93 | 9.7 | 339.1 | 2845 | 725 |
| 750 | 10.9 | 88 | 9.6 | 337.0 | 2546 | 11.9 | 61 | 7.2 | 331.5 | 2556 | 11.6 | 70 | 8.0 | 333.3 | 2542 | 11.1 | 88 | 9.8 | 337.8 | 2562 | 750 |
| 775 | 12.8 | 97 | 11.7 | 342.1 | 2271 | 13.0 | 67 | 8.2 | 332.5 | 2280 | 12.8 | 72 | 8.7 | 333.5 | 2266 | 12.2 | 60 | 6.9 | 327.8 | 2287 | 775 |
| 800 | 13.3 | 94 | 11.4 | 338.6 | 2003 | 13.8 | 76 | 9.5 | 333.9 | 2013 | 14.0 | 76 | 9.7 | 334.7 | 1998 | 13.1 | 66 | 7.8 | 328.4 | 2020 | 800 |
| 825 | 15.5 | 99 | 13.4 | 343.9 | 1741 | 14.6 | 83 | 10.5 | 334.8 | 1752 | 15.2 | 81 | 10.7 | 336.0 | 1737 | 14.4 | 89 | 11.2 | 336.4 | 1760 | 825 |
| 850 | 16.7 | 99 | 14.1 | 344.4 | 1486 | 15.6 | 84 | 11.1 | 334.8 | 1498 | 16.3 | 85 | 11.8 | 337.4 | 1483 | 15.9 | 93 | 12.5 | 339.1 | 1506 | 850 |
| 875 | 18.0 | 99 | 14.8 | 345.0 | 1238 | 16.6 | 86 | 11.7 | 334.8 | 1251 | 17.4 | 89 | 12.9 | 339.0 | 1235 | 17.5 | 92 | 13.4 | 340.4 | 1258 | 875 |
| 900 | 19.2 | 99 | 15.6 | 345.7 | 995 | 17.6 | 87 | 12.3 | 334.8 | 1010 | 18.5 | 90 | 13.6 | 339.4 | 993 | 18.9 | 92 | 14.2 | 341.7 | 1016 | 900 |
| 925 | 20.3 | 99 | 16.3 | 346.4 | 757 | 18.8 | 86 | 12.9 | 335.1 | 774 | 19.6 | 86 | 13.5 | 337.8 | 756 | 20.4 | 92 | 15.1 | 343.1 | 779 | 925 |
| 950 | 21.5 | 99 | 17.1 | 347.1 | 525 | 20.4 | 83 | 13.3 | 335.6 | 544 | 20.7 | 82 | 13.4 | 336.1 | 525 | 21.7 | 92 | 16.0 | 344.6 | 547 | 950 |
| 975 | 22.6 | 99 | 17.8 | 347.8 | 298 | 21.9 | 80 | 13.8 | 336.1 | 318 | 22.0 | 79 | 13.5 | 335.4 | 300 | 23.1 | 91 | 16.9 | 346.1 | 320 | 975 |
| 1000 | 24.0 | 97 | 18.5 | 348.7 | 76 | 23.4 | 77 | 14.2 | 336.4 | 97 | 24.4 | 78 | 15.2 | 340.4 | 78 | 24.4 | 91 | 17.8 | 347.6 | 97 | 1000 |
| SFC. | 25.0 | 92 | 18.5 | 349.3 | 0 | 25.3 | 93 | 19.0 | 350.8 | 0 | 26.2 | 82 | 17.7 | 348.6 | 0 | 25.0 | 91 | 18.2 | 348.3 | 0 | SFC. |
| | SURFACE PRESSURE 1008.7 | | | | | SURFACE PRESSURE 1011.1 | | | | | SURFACE PRESSURE 1008.9 | | | | | SURFACE PRESSURE 1011.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/22 1250 GMT T | RH | W | EPT | H | 3/22 1515 GMT T | RH | W | EPT | H | 3/22 18 0 GMT T | RH | W | EPT | H | 3/22 2120 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.5 | 0 | 0.0 | 459.8 | 19484 | -69.7 | 0 | 0.0 | 454.9 | 19356 | -67.2 | 0 | 0.0 | 460.5 | 19510 | -65.0 | 0 | 0.0 | 465.4 | 19591 | 60 |
| 70 | -64.9 | 0 | 0.0 | 445.6 | 18550 | -68.2 | 33 | .0 | 438.6 | 18433 | -67.6 | 24 | .0 | 440.0 | 18577 | -65.7 | 0 | 0.0 | 443.9 | 18652 | 70 |
| 80 | -74.6 | 0 | 0.0 | 408.9 | 17753 | -71.5 | 36 | .0 | 415.3 | 17640 | -68.3 | 25 | .0 | 421.9 | 17776 | -68.2 | 20 | .0 | 422.2 | 17847 | 80 |
| 90 | -78.3 | 36 | .0 | 388.1 | 17081 | -79.5 | 37 | .0 | 385.6 | 16961 | -77.5 | 25 | .0 | 389.6 | 17093 | -77.5 | 20 | .0 | 389.5 | 17161 | 90 |
| 100 | -74.8 | 36 | .0 | 383.3 | 16475 | -77.9 | 37 | .0 | 377.2 | 16360 | -76.9 | 25 | .0 | 379.3 | 16486 | -74.7 | 20 | .0 | 383.4 | 16552 | 100 |
| 110 | -78.6 | 37 | .0 | 365.8 | 15924 | -79.3 | 37 | .0 | 364.4 | 15816 | -78.6 | 25 | .0 | 365.8 | 15942 | -77.0 | 20 | .0 | 368.9 | 16002 | 110 |
| 120 | -75.8 | 36 | .0 | 362.0 | 15426 | -77.6 | 37 | .0 | 358.7 | 15322 | -75.2 | 25 | .0 | 363.1 | 15442 | -74.3 | 20 | .0 | 364.6 | 15500 | 120 |
| 130 | -72.3 | 36 | .0 | 360.1 | 14959 | -74.0 | 37 | .0 | 357.1 | 14859 | -71.6 | 25 | .0 | 361.2 | 14974 | -71.5 | 20 | .0 | 361.5 | 15030 | 130 |
| 140 | -69.1 | 37 | .0 | 358.1 | 14519 | -70.6 | 37 | .0 | 355.5 | 14423 | -68.3 | 25 | .0 | 359.4 | 14533 | -68.2 | 20 | .0 | 359.8 | 14589 | 140 |
| 150 | -70.1 | 37 | .0 | 349.5 | 14108 | -69.1 | 30 | .0 | 351.1 | 14012 | -68.0 | 24 | .0 | 353.1 | 14117 | -64.6 | 20 | .0 | 358.8 | 14171 | 150 |
| 160 | -67.1 | 37 | .0 | 348.1 | 13721 | -68.6 | 38 | .0 | 345.5 | 13628 | -66.1 | 24 | .0 | 349.8 | 13728 | -64.8 | 20 | .0 | 352.0 | 13775 | 160 |
| 170 | -63.9 | 36 | .0 | 347.5 | 13352 | -65.8 | 37 | .0 | 344.2 | 13262 | -63.4 | 25 | .0 | 348.3 | 13358 | -61.9 | 20 | .0 | 350.7 | 13403 | 170 |
| 180 | -60.8 | 36 | .0 | 346.8 | 13000 | -63.2 | 36 | .0 | 343.0 | 12913 | -60.7 | 25 | .0 | 347.0 | 13005 | -59.1 | 20 | .0 | 349.6 | 13047 | 180 |
| 190 | -58.0 | 35 | .0 | 346.1 | 12661 | -60.2 | 36 | .0 | 342.6 | 12578 | -57.8 | 25 | .0 | 346.4 | 12666 | -56.6 | 20 | .0 | 348.4 | 12706 | 190 |
| 200 | -55.3 | 35 | .0 | 345.4 | 12336 | -57.3 | 36 | .0 | 342.3 | 12256 | -55.0 | 25 | .0 | 345.8 | 12341 | -54.1 | 20 | .0 | 347.2 | 12379 | 200 |
| 225 | -49.4 | 35 | .1 | 343.1 | 11574 | -50.6 | 35 | .1 | 341.2 | 11499 | -48.6 | 26 | .1 | 344.2 | 11577 | -49.3 | 20 | .0 | 343.1 | 11615 | 225 |
| 250 | -44.4 | 47 | .1 | 340.6 | 10876 | -45.0 | 39 | .1 | 339.7 | 10804 | -42.9 | 26 | .1 | 342.6 | 10876 | -43.9 | 19 | .1 | 341.1 | 10916 | 250 |
| 275 | -38.2 | 30 | .2 | 340.5 | 10229 | -40.8 | 53 | .2 | 336.9 | 10161 | -39.1 | 27 | .1 | 339.2 | 10228 | -38.6 | 18 | .1 | 339.7 | 10269 | 275 |
| 300 | -33.2 | 26 | .2 | 339.4 | 9624 | -35.7 | 27 | .2 | 335.7 | 9563 | -34.5 | 26 | .2 | 337.5 | 9626 | -33.3 | 17 | .1 | 339.0 | 9664 | 300 |
| 325 | -28.8 | 13 | .1 | 337.6 | 9056 | -31.0 | 46 | .4 | 335.5 | 9000 | -30.0 | 25 | .2 | 336.3 | 9061 | -28.7 | 19 | .2 | 338.0 | 9096 | 325 |
| 350 | -24.8 | 22 | .3 | 336.5 | 8521 | -27.6 | 23 | .3 | 332.6 | 8471 | -25.8 | 21 | .3 | 335.0 | 8529 | -25.2 | 24 | .3 | 336.1 | 8562 | 350 |
| 375 | -21.9 | 32 | .6 | 334.8 | 8016 | -23.5 | 19 | .3 | 331.7 | 7971 | -22.0 | 18 | .3 | 333.8 | 8025 | -21.3 | 17 | .3 | 334.6 | 8057 | 375 |
| 400 | -18.6 | 13 | .3 | 331.9 | 7539 | -20.0 | 53 | 1.0 | 332.7 | 7495 | -19.2 | 57 | 1.2 | 334.3 | 7547 | -17.7 | 16 | .4 | 333.4 | 7578 | 400 |
| 425 | -15.3 | 28 | .8 | 332.2 | 7084 | -16.7 | 52 | 1.3 | 332.1 | 7042 | -15.7 | 37 | 1.0 | 332.4 | 7093 | -15.3 | 27 | .7 | 332.0 | 7122 | 425 |
| 450 | -12.6 | 51 | 1.7 | 333.2 | 6649 | -14.0 | 51 | 1.5 | 330.8 | 6611 | -12.3 | 45 | 1.5 | 333.1 | 6659 | -11.5 | 20 | .7 | 331.4 | 6687 | 450 |
| 475 | -10.4 | 56 | 2.0 | 332.0 | 6235 | -10.8 | 49 | 1.7 | 330.6 | 6198 | -8.9 | 41 | 1.7 | 332.8 | 6242 | -8.3 | 26 | 1.1 | 331.6 | 6270 | 475 |
| 500 | -7.5 | 72 | 3.1 | 334.3 | 5836 | -8.1 | 56 | 2.3 | 331.0 | 5801 | -6.2 | 50 | 2.4 | 333.5 | 5843 | -5.4 | 32 | 1.6 | 332.2 | 5870 | 500 |
| 525 | -4.9 | 92 | 4.7 | 337.7 | 5454 | -5.7 | 64 | 3.1 | 331.7 | 5420 | -4.8 | 69 | 3.5 | 334.2 | 5460 | -3.5 | 39 | 2.2 | 331.6 | 5485 | 525 |
| 550 | -2.3 | 99 | 5.8 | 340.0 | 5086 | -3.4 | 72 | 3.9 | 332.8 | 5053 | -2.8 | 59 | 3.3 | 331.7 | 5092 | -2.6 | 56 | 3.2 | 331.7 | 5117 | 550 |
| 575 | .2 | 99 | 6.7 | 341.5 | 4730 | -2.8 | 84 | 4.6 | 331.3 | 4700 | -.9 | 58 | 3.6 | 330.6 | 4738 | -.4 | 50 | 3.2 | 330.0 | 4762 | 575 |
| 600 | 1.1 | 99 | 6.9 | 338.9 | 4388 | -.9 | 94 | 5.7 | 332.8 | 4361 | .7 | 72 | 4.8 | 332.3 | 4397 | .5 | 66 | 4.4 | 330.6 | 4421 | 600 |
| 625 | 2.5 | 97 | 7.2 | 337.6 | 4058 | 1.1 | 98 | 6.5 | 333.9 | 4033 | 2.5 | 69 | 5.1 | 331.3 | 4067 | 3.4 | 50 | 3.9 | 328.8 | 4091 | 625 |
| 650 | 4.5 | 94 | 7.6 | 337.5 | 3739 | 2.7 | 86 | 6.2 | 331.1 | 3716 | 4.9 | 63 | 5.3 | 331.1 | 3749 | 5.8 | 44 | 3.9 | 328.2 | 3771 | 650 |
| 675 | 6.6 | 86 | 7.8 | 337.0 | 3429 | 5.5 | 70 | 5.9 | 330.0 | 3408 | 7.9 | 54 | 5.3 | 331.2 | 3439 | 8.1 | 39 | 3.9 | 327.3 | 3461 | 675 |
| 700 | 9.3 | 67 | 7.1 | 334.6 | 3128 | 8.1 | 55 | 5.3 | 328.0 | 3109 | 10.0 | 50 | 5.5 | 330.8 | 3137 | 10.4 | 34 | 3.8 | 326.1 | 3160 | 700 |
| 725 | 11.8 | 50 | 6.0 | 330.9 | 2836 | 10.2 | 40 | 4.3 | 324.1 | 2818 | 12.1 | 46 | 5.6 | 330.3 | 2844 | 12.5 | 24 | 3.0 | 323.0 | 2867 | 725 |
| 750 | 14.1 | 34 | 4.6 | 326.3 | 2551 | 11.9 | 53 | 6.2 | 328.4 | 2535 | 14.1 | 43 | 5.7 | 329.7 | 2559 | 14.6 | 18 | 2.5 | 320.7 | 2582 | 750 |
| 775 | 15.5 | 24 | 3.4 | 321.4 | 2274 | 14.5 | 48 | 6.4 | 329.1 | 2259 | 15.5 | 34 | 4.8 | 325.5 | 2281 | 16.5 | 17 | 2.6 | 320.0 | 2304 | 775 |
| 800 | 16.6 | 26 | 3.8 | 320.9 | 2004 | 16.1 | 34 | 4.9 | 323.6 | 1990 | 16.4 | 20 | 2.9 | 318.1 | 2012 | 18.4 | 35 | 5.9 | 329.1 | 2033 | 800 |
| 825 | 17.1 | 50 | 7.4 | 329.1 | 1742 | 16.5 | 30 | 4.3 | 319.3 | 1728 | 16.1 | 62 | 8.7 | 331.6 | 1750 | 20.0 | 24 | 4.2 | 323.1 | 1769 | 825 |
| 850 | 18.8 | 42 | 6.8 | 326.3 | 1486 | 16.6 | 65 | 9.1 | 330.4 | 1474 | 17.1 | 62 | 9.0 | 330.6 | 1496 | 20.8 | 36 | 6.5 | 327.8 | 1511 | 850 |
| 875 | 20.3 | 44 | 7.6 | 327.9 | 1237 | 18.4 | 41 | 6.2 | 321.7 | 1226 | 18.1 | 69 | 10.3 | 332.5 | 1247 | 20.8 | 39 | 6.9 | 326.4 | 1261 | 875 |
| 900 | 21.5 | 43 | 7.7 | 326.8 | 993 | 18.4 | 58 | 8.6 | 325.6 | 984 | 18.7 | 66 | 10.0 | 329.8 | 1005 | 20.8 | 43 | 7.4 | 324.9 | 1017 | 900 |
| 925 | 21.9 | 50 | 9.1 | 328.4 | 755 | 19.3 | 63 | 9.7 | 327.1 | 749 | 18.9 | 78 | 11.6 | 331.7 | 770 | 20.6 | 58 | 9.5 | 328.0 | 780 | 925 |
| 950 | 21.8 | 73 | 12.7 | 335.7 | 523 | 20.6 | 70 | 11.4 | 330.7 | 519 | 20.1 | 84 | 13.2 | 334.9 | 539 | 21.5 | 71 | 12.1 | 333.6 | 549 | 950 |
| 975 | 22.8 | 84 | 15.1 | 340.8 | 297 | 21.9 | 77 | 13.2 | 334.5 | 293 | 21.9 | 79 | 13.6 | 335.8 | 314 | 23.2 | 68 | 12.5 | 334.2 | 323 | 975 |
| 1000 | 24.5 | 86 | 16.9 | 345.3 | 75 | 23.6 | 85 | 15.7 | 341.0 | 72 | 24.6 | 88 | 17.4 | 346.7 | 92 | 26.8 | 69 | 15.6 | 344.6 | 100 | 1000 |
| SFC. | 25.1 | 87 | 17.6 | 346.9 | 0 | 24.4 | 87 | 16.8 | 344.1 | 0 | 26.0 | 98 | 21.0 | 357.1 | 0 | 29.5 | 73 | 19.1 | 356.6 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.5 | SURFACE PRESSURE | | | | 1008.2 | SURFACE PRESSURE | | | | 1010.5 | SURFACE PRESSURE | | | | 1011.3 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/23 030 GMT | | | | | 3/23 3 0 GMT | | | | | 3/23 6 0 GMT | | | | | 3/23 9 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.4 | 0 | 0.0 | 464.5 | 19482 | -67.0 | 0 | 0.0 | 460.9 | 19478 | -67.8 | 0 | 0.0 | 459.2 | 19469 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 0 | 0.0 | 442.3 | 18546 | -66.7 | 0 | 0.0 | 441.7 | 18547 | -67.8 | 0 | 0.0 | 439.4 | 18542 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.2 | 0 | 0.0 | 418.0 | 17746 | -70.6 | 0 | 0.0 | 417.0 | 17746 | -70.1 | 0 | 0.0 | 418.2 | 17744 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.0 | 20 | .0 | 390.5 | 17060 | -77.5 | 0 | 0.0 | 389.6 | 17057 | -75.7 | 35 | .0 | 393.1 | 17050 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 20 | .0 | 382.9 | 16453 | -75.3 | 40 | .0 | 382.3 | 16452 | -76.2 | 35 | .0 | 380.5 | 16444 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.4 | 20 | .0 | 366.2 | 15904 | -78.6 | 40 | .0 | 365.8 | 15899 | -75.8 | 35 | .0 | 371.0 | 15891 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.3 | 20 | .0 | 362.8 | 15404 | -75.8 | 40 | .0 | 362.0 | 15400 | -75.8 | 35 | .0 | 361.9 | 15391 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.5 | 20 | .0 | 359.6 | 14937 | -73.2 | 40 | .0 | 358.4 | 14934 | -73.6 | 35 | .0 | 357.7 | 14925 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.6 | 20 | .0 | 357.1 | 14499 | -69.5 | 40 | .0 | 357.4 | 14496 | -70.7 | 35 | .0 | 355.3 | 14489 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.0 | 20 | .0 | 356.4 | 14084 | -65.8 | 40 | .0 | 356.8 | 14081 | -68.0 | 35 | .0 | 353.0 | 14077 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.7 | 20 | .0 | 355.6 | 13689 | -62.3 | 40 | .0 | 356.2 | 13686 | -65.4 | 35 | .0 | 350.9 | 13687 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.0 | 20 | .0 | 352.3 | 13314 | -61.0 | 41 | .0 | 352.4 | 13310 | -63.1 | 36 | .0 | 348.7 | 13316 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.0 | 21 | .0 | 348.2 | 12958 | -60.5 | 42 | .0 | 347.4 | 12954 | -61.1 | 37 | .0 | 346.5 | 12963 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.5 | 21 | .0 | 345.3 | 12619 | -58.8 | 43 | .0 | 344.8 | 12616 | -59.1 | 39 | .0 | 344.3 | 12626 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.5 | 21 | .0 | 343.4 | 12295 | -56.5 | 43 | .0 | 343.5 | 12293 | -57.2 | 40 | .0 | 342.3 | 12303 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -51.5 | 20 | .0 | 339.8 | 11540 | -51.1 | 45 | .1 | 340.5 | 11536 | -51.8 | 42 | .1 | 339.4 | 11549 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -45.4 | 19 | .0 | 338.7 | 10847 | -46.1 | 44 | .1 | 338.0 | 10843 | -46.1 | 41 | .1 | 337.9 | 10858 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -40.0 | 18 | .1 | 337.6 | 10203 | -40.7 | 24 | .1 | 336.7 | 10202 | -40.2 | 36 | .2 | 337.7 | 10216 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.0 | 17 | .1 | 336.5 | 9603 | -35.3 | 24 | .2 | 336.2 | 9603 | -35.2 | 41 | .3 | 336.9 | 9615 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.5 | 16 | .1 | 335.3 | 9039 | -31.1 | 38 | .3 | 335.1 | 9041 | -30.9 | 25 | .2 | 335.1 | 9053 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.2 | 15 | .2 | 334.2 | 8508 | -26.5 | 24 | .3 | 334.2 | 8510 | -27.3 | 57 | .7 | 334.5 | 8522 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -22.3 | 15 | .2 | 333.1 | 8005 | -22.7 | 20 | .3 | 332.9 | 8008 | -22.9 | 26 | .4 | 332.9 | 8021 | 375 |
| 400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -18.6 | 14 | .3 | 332.0 | 7527 | -19.1 | 16 | .3 | 331.5 | 7531 | -18.9 | 27 | .6 | 332.7 | 7544 | 400 |
| 425 | 0.0 | 0 | 0.0 | 0.0 | 0 | -15.2 | 16 | .4 | 331.1 | 7072 | -15.9 | 20 | .5 | 330.6 | 7077 | -16.2 | 37 | .9 | 331.5 | 7090 | 425 |
| 450 | 0.0 | 0 | 0.0 | 0.0 | 0 | -12.0 | 17 | .6 | 330.4 | 6638 | -12.9 | 24 | .8 | 329.9 | 6644 | -12.7 | 28 | .9 | 330.5 | 6657 | 450 |
| 475 | 0.0 | 0 | 0.0 | 0.0 | 0 | -8.9 | 19 | .8 | 329.7 | 6222 | -10.0 | 28 | 1.1 | 329.4 | 6229 | -9.3 | 22 | .9 | 329.7 | 6241 | 475 |
| 500 | 0.0 | 0 | 0.0 | 0.0 | 0 | -6.3 | 27 | 1.3 | 330.0 | 5822 | -7.4 | 35 | 1.5 | 329.4 | 5831 | -7.0 | 46 | 2.1 | 331.6 | 5842 | 500 |
| 525 | 0.0 | 0 | 0.0 | 0.0 | 0 | -4.1 | 50 | 2.7 | 332.5 | 5439 | -5.5 | 61 | 3.0 | 331.7 | 5450 | -5.1 | 57 | 2.8 | 331.8 | 5460 | 525 |
| 550 | 0.0 | 0 | 0.0 | 0.0 | 0 | -4.1 | 66 | 3.4 | 330.4 | 5072 | -4.9 | 90 | 4.3 | 332.2 | 5084 | -3.9 | 71 | 3.7 | 331.4 | 5093 | 550 |
| 575 | 0.0 | 0 | 0.0 | 0.0 | 0 | -1.7 | 68 | 4.0 | 330.9 | 4719 | -1.6 | 81 | 4.8 | 333.4 | 4732 | -2.1 | 82 | 4.7 | 332.4 | 4741 | 575 |
| 600 | 0.0 | 0 | 0.0 | 0.0 | 0 | .2 | 64 | 4.1 | 329.6 | 4379 | .5 | 74 | 4.9 | 332.3 | 4391 | .2 | 70 | 4.5 | 330.8 | 4401 | 600 |
| 625 | 0.0 | 0 | 0.0 | 0.0 | 0 | 2.9 | 55 | 4.2 | 329.2 | 4050 | 2.4 | 71 | 5.2 | 331.6 | 4061 | 2.6 | 71 | 5.2 | 332.0 | 4072 | 625 |
| 650 | 0.0 | 0 | 0.0 | 0.0 | 0 | 4.9 | 56 | 4.7 | 329.3 | 3730 | 4.9 | 67 | 5.6 | 331.9 | 3742 | 4.9 | 48 | 4.0 | 327.3 | 3753 | 650 |
| 675 | 0.0 | 0 | 0.0 | 0.0 | 0 | 7.3 | 36 | 3.4 | 324.9 | 3421 | 7.1 | 54 | 5.0 | 329.4 | 3433 | 7.0 | 41 | 3.8 | 325.6 | 3443 | 675 |
| 700 | 9.7 | 21 | 2.2 | 320.6 | 3126 | 9.9 | 25 | 2.7 | 322.4 | 3120 | 9.2 | 41 | 4.3 | 326.1 | 3133 | 9.1 | 33 | 3.4 | 323.5 | 3143 | 700 |
| 725 | 12.3 | 19 | 2.3 | 320.6 | 2834 | 12.2 | 20 | 2.4 | 320.8 | 2828 | 11.4 | 25 | 2.9 | 321.4 | 2841 | 10.9 | 40 | 4.5 | 325.5 | 2852 | 725 |
| 750 | 14.8 | 17 | 2.4 | 320.6 | 2549 | 14.2 | 19 | 2.6 | 320.6 | 2543 | 13.2 | 24 | 3.1 | 320.8 | 2557 | 12.5 | 63 | 7.6 | 333.4 | 2568 | 750 |
| 775 | 16.0 | 17 | 2.5 | 319.2 | 2271 | 16.2 | 19 | 2.8 | 320.4 | 2266 | 14.8 | 27 | 3.7 | 321.6 | 2280 | 14.0 | 67 | 8.7 | 335.0 | 2291 | 775 |
| 800 | 17.0 | 17 | 2.6 | 317.7 | 2002 | 16.6 | 22 | 3.3 | 319.3 | 1996 | 15.6 | 47 | 6.5 | 327.6 | 2011 | 15.8 | 65 | 9.2 | 335.5 | 2022 | 800 |
| 825 | 17.3 | 40 | 6.0 | 325.1 | 1739 | 16.8 | 30 | 4.4 | 319.9 | 1734 | 16.6 | 46 | 6.7 | 326.3 | 1750 | 17.6 | 46 | 7.1 | 328.7 | 1760 | 825 |
| 850 | 18.0 | 38 | 5.8 | 322.8 | 1484 | 17.5 | 45 | 6.6 | 324.4 | 1480 | 19.2 | 18 | 2.9 | 315.6 | 1495 | 18.6 | 51 | 8.1 | 329.9 | 1504 | 850 |
| 875 | 18.8 | 42 | 6.6 | 323.0 | 1236 | 18.5 | 55 | 8.5 | 328.0 | 1231 | 19.7 | 34 | 5.7 | 321.6 | 1246 | 19.1 | 67 | 10.7 | 335.2 | 1254 | 875 |
| 900 | 19.5 | 51 | 8.0 | 325.4 | 994 | 19.5 | 64 | 10.2 | 331.4 | 989 | 20.0 | 52 | 8.6 | 327.4 | 1003 | 20.4 | 52 | 8.7 | 328.1 | 1011 | 900 |
| 925 | 20.3 | 64 | 10.4 | 330.1 | 757 | 21.0 | 66 | 11.3 | 333.5 | 752 | 21.1 | 53 | 9.0 | 327.2 | 766 | 19.9 | 62 | 9.9 | 328.4 | 774 | 925 |
| 950 | 21.1 | 76 | 12.6 | 334.4 | 526 | 21.0 | 84 | 13.9 | 337.9 | 520 | 21.6 | 69 | 11.9 | 333.2 | 535 | 20.2 | 86 | 13.5 | 335.9 | 544 | 950 |
| 975 | 23.0 | 71 | 12.9 | 335.0 | 300 | 23.0 | 77 | 14.2 | 338.6 | 294 | 22.0 | 87 | 15.1 | 339.8 | 308 | 22.4 | 81 | 14.3 | 338.2 | 318 | 975 |
| 1000 | 24.8 | 66 | 13.1 | 335.3 | 78 | 26.2 | 75 | 16.3 | 345.8 | 72 | 23.9 | 92 | 17.4 | 345.8 | 87 | 24.4 | 81 | 15.7 | 341.7 | 96 | 1000 |
| SFC. | 30.0 | 67 | 18.0 | 354.7 | 0 | 27.8 | 78 | 18.5 | 353.1 | 0 | 24.8 | 92 | 18.3 | 348.2 | 0 | 25.0 | 84 | 16.8 | 344.5 | 0 | SFC. |
| | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1009.9 | | | | | SURFACE PRESSURE 1011.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/23 1145 GMT T | RH | W | EPT | H | 3/23 15 0 GMT T | RH | W | EPT | H | 3/23 1745 GMT T | RH | W | EPT | H | 3/23 2039 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -70.7 | 0 | 0.0 | 452.8 | 19419 | -68.4 | 0 | 0.0 | 457.8 | 19399 | -67.0 | 0 | 0.0 | 460.9 | 19477 | -66.8 | 0 | 0.0 | 461.4 | 19506 | 60 |
| 70 | -68.7 | 0 | 0.0 | 437.4 | 18502 | -69.4 | 0 | 0.0 | 435.9 | 18482 | -68.9 | 0 | 0.0 | 437.0 | 18554 | -69.8 | 0 | 0.0 | 435.1 | 18584 | 70 |
| 80 | -69.6 | 0 | 0.0 | 419.3 | 17701 | -74.2 | 24 | .0 | 409.7 | 17692 | -69.0 | 0 | 0.0 | 420.5 | 17752 | -69.8 | 20 | .0 | 418.7 | 17788 | 80 |
| 90 | -76.6 | 32 | .0 | 391.4 | 17010 | -79.5 | 24 | .0 | 385.7 | 17018 | -78.3 | 21 | .0 | 387.9 | 17061 | -77.3 | 20 | .0 | 390.0 | 17095 | 90 |
| 100 | -75.7 | 33 | .0 | 381.5 | 16406 | -77.3 | 24 | .0 | 378.4 | 16415 | -76.3 | 20 | .0 | 380.3 | 16459 | -75.8 | 20 | .0 | 381.3 | 16488 | 100 |
| 110 | -76.3 | 33 | .0 | 370.0 | 15854 | -77.3 | 24 | .0 | 368.2 | 15869 | -76.3 | 20 | .0 | 370.1 | 15909 | -73.4 | 21 | .0 | 375.6 | 15934 | 110 |
| 120 | -77.1 | 33 | .0 | 359.6 | 15354 | -77.3 | 24 | .0 | 359.2 | 15370 | -76.3 | 21 | .0 | 361.0 | 15408 | -76.0 | 21 | .0 | 361.5 | 15427 | 120 |
| 130 | -74.0 | 33 | .0 | 357.0 | 14891 | -73.7 | 24 | .0 | 357.4 | 14907 | -74.6 | 21 | .0 | 355.9 | 14945 | -73.5 | 21 | .0 | 357.9 | 14963 | 130 |
| 140 | -70.1 | 33 | .0 | 356.3 | 14455 | -70.1 | 24 | .0 | 356.4 | 14470 | -70.6 | 21 | .0 | 355.5 | 14510 | -70.5 | 20 | .0 | 355.7 | 14526 | 140 |
| 150 | -66.6 | 33 | .0 | 355.5 | 14041 | -66.8 | 24 | .0 | 355.0 | 14056 | -66.8 | 20 | .0 | 355.0 | 14097 | -67.7 | 20 | .0 | 353.6 | 14114 | 150 |
| 160 | -63.2 | 33 | .0 | 354.7 | 13647 | -64.6 | 24 | .0 | 352.3 | 13664 | -63.3 | 20 | .0 | 354.4 | 13704 | -65.0 | 20 | .0 | 351.6 | 13723 | 160 |
| 170 | -61.7 | 34 | .0 | 351.1 | 13272 | -62.5 | 24 | .0 | 349.8 | 13292 | -61.7 | 21 | .0 | 351.1 | 13329 | -62.5 | 20 | .0 | 349.7 | 13351 | 170 |
| 180 | -60.3 | 35 | .0 | 347.7 | 12918 | -60.5 | 24 | .0 | 347.4 | 12938 | -60.5 | 21 | .0 | 347.3 | 12975 | -60.2 | 20 | .0 | 347.9 | 12997 | 180 |
| 190 | -60.6 | 35 | .0 | 341.9 | 12582 | -58.6 | 24 | .0 | 345.1 | 12599 | -58.4 | 21 | .0 | 345.4 | 12636 | -58.0 | 20 | .0 | 346.1 | 12658 | 190 |
| 200 | -58.4 | 36 | .0 | 340.5 | 12261 | -56.8 | 24 | .0 | 342.9 | 12276 | -56.4 | 20 | .0 | 343.5 | 12312 | -55.9 | 20 | .0 | 344.4 | 12333 | 200 |
| 225 | -52.7 | 37 | .0 | 338.0 | 11511 | -51.1 | 23 | .0 | 340.3 | 11521 | -51.3 | 20 | .0 | 340.1 | 11557 | -50.9 | 20 | .0 | 340.6 | 11575 | 225 |
| 250 | -46.2 | 32 | .1 | 337.8 | 10820 | -45.1 | 22 | .1 | 339.3 | 10826 | -45.0 | 20 | .1 | 339.4 | 10862 | -44.7 | 20 | .1 | 339.8 | 10880 | 250 |
| 275 | -40.3 | 29 | .1 | 337.4 | 10178 | -39.6 | 21 | .1 | 338.2 | 10182 | -39.3 | 19 | .1 | 338.7 | 10217 | -39.2 | 19 | .1 | 338.9 | 10234 | 275 |
| 300 | -34.9 | 25 | .2 | 336.8 | 9578 | -34.6 | 20 | .1 | 337.1 | 9581 | -34.1 | 19 | .1 | 337.9 | 9615 | -34.0 | 19 | .1 | 338.0 | 9631 | 300 |
| 325 | -31.1 | 27 | .2 | 334.7 | 9015 | -30.9 | 22 | .2 | 334.8 | 9017 | -29.3 | 19 | .2 | 337.1 | 9049 | -29.3 | 19 | .2 | 337.1 | 9065 | 325 |
| 350 | -27.4 | 20 | .2 | 332.8 | 8486 | -26.8 | 21 | .2 | 333.6 | 8487 | -26.0 | 20 | .3 | 334.7 | 8515 | -26.4 | 20 | .3 | 334.1 | 8533 | 350 |
| 375 | -23.6 | 19 | .3 | 331.6 | 7985 | -22.9 | 19 | .3 | 332.5 | 7985 | -23.2 | 20 | .3 | 332.1 | 8014 | -22.8 | 19 | .3 | 332.6 | 8031 | 375 |
| 400 | -20.0 | 19 | .4 | 330.4 | 7510 | -19.3 | 19 | .4 | 331.4 | 7508 | -19.7 | 19 | .4 | 330.8 | 7538 | -19.3 | 18 | .4 | 331.3 | 7554 | 400 |
| 425 | -16.4 | 35 | .9 | 331.1 | 7057 | -16.4 | 24 | .6 | 330.1 | 7055 | -15.9 | 29 | .7 | 331.3 | 7084 | -15.5 | 18 | .5 | 331.0 | 7100 | 425 |
| 450 | -13.2 | 23 | .7 | 329.2 | 6625 | -12.9 | 17 | .5 | 329.0 | 6622 | -12.3 | 23 | .7 | 330.5 | 6651 | -11.9 | 18 | .6 | 330.6 | 6666 | 450 |
| 475 | -10.6 | 28 | 1.0 | 328.5 | 6211 | -10.3 | 22 | .8 | 328.0 | 6208 | -9.2 | 19 | .8 | 329.3 | 6235 | -9.2 | 19 | .8 | 329.4 | 6250 | 475 |
| 500 | -8.5 | 42 | 1.7 | 328.6 | 5814 | -8.0 | 28 | 1.2 | 327.5 | 5811 | -7.0 | 26 | 1.2 | 328.8 | 5837 | -6.8 | 20 | .9 | 328.1 | 5851 | 500 |
| 525 | -6.7 | 72 | 3.2 | 330.8 | 5434 | -6.4 | 57 | 2.5 | 329.2 | 5431 | -5.8 | 48 | 2.3 | 329.1 | 5455 | -5.0 | 30 | 1.5 | 327.6 | 5469 | 525 |
| 550 | -4.6 | 74 | 3.7 | 330.6 | 5069 | -4.1 | 63 | 3.2 | 329.7 | 5065 | -3.7 | 53 | 2.8 | 329.0 | 5088 | -3.8 | 49 | 2.5 | 328.1 | 5102 | 550 |
| 575 | -2.3 | 74 | 4.1 | 330.6 | 4717 | -1.8 | 46 | 2.7 | 326.7 | 4713 | -2.1 | 40 | 2.3 | 325.1 | 4736 | -1.6 | 33 | 1.9 | 324.6 | 4750 | 575 |
| 600 | -.9 | 66 | 3.9 | 327.6 | 4378 | .1 | 76 | 4.9 | 331.6 | 4373 | .4 | 59 | 3.9 | 329.0 | 4396 | .5 | 51 | 3.4 | 327.7 | 4409 | 600 |
| 625 | 1.9 | 69 | 4.8 | 329.9 | 4050 | 2.2 | 66 | 4.7 | 330.0 | 4044 | 2.3 | 53 | 3.8 | 327.3 | 4067 | 3.0 | 44 | 3.4 | 326.8 | 4080 | 625 |
| 650 | 4.7 | 52 | 4.3 | 328.0 | 3731 | 5.1 | 52 | 4.4 | 328.6 | 3725 | 5.1 | 51 | 4.3 | 328.6 | 3748 | 5.4 | 36 | 3.1 | 325.1 | 3761 | 650 |
| 675 | 7.3 | 39 | 3.7 | 325.5 | 3422 | 7.4 | 31 | 2.9 | 323.5 | 3415 | 7.7 | 36 | 3.5 | 325.4 | 3438 | 7.6 | 31 | 3.0 | 323.9 | 3451 | 675 |
| 700 | 9.2 | 33 | 3.4 | 323.6 | 3122 | 9.5 | 20 | 2.1 | 320.0 | 3115 | 9.9 | 32 | 3.5 | 324.8 | 3137 | 9.6 | 33 | 3.6 | 324.6 | 3150 | 700 |
| 725 | 11.0 | 28 | 3.1 | 321.6 | 2830 | 11.5 | 24 | 2.9 | 321.3 | 2823 | 11.9 | 39 | 4.7 | 327.4 | 2845 | 11.5 | 36 | 4.2 | 325.4 | 2858 | 725 |
| 750 | 12.2 | 51 | 6.0 | 328.4 | 2547 | 12.3 | 46 | 5.5 | 327.1 | 2539 | 13.2 | 45 | 5.7 | 328.5 | 2560 | 13.4 | 38 | 4.8 | 326.3 | 2574 | 750 |
| 775 | 13.2 | 57 | 7.0 | 329.3 | 2271 | 14.5 | 30 | 4.0 | 322.1 | 2264 | 14.9 | 28 | 3.8 | 321.9 | 2283 | 15.8 | 27 | 3.9 | 323.4 | 2297 | 775 |
| 800 | 15.8 | 39 | 5.5 | 325.1 | 2002 | 16.6 | 32 | 4.7 | 323.4 | 1994 | 14.7 | 36 | 4.7 | 321.3 | 2015 | 15.8 | 35 | 5.0 | 323.3 | 2027 | 800 |
| 825 | 17.5 | 37 | 5.7 | 324.5 | 1740 | 15.2 | 65 | 8.6 | 330.1 | 1733 | 16.7 | 48 | 7.0 | 327.4 | 1754 | 16.1 | 39 | 5.5 | 322.4 | 1766 | 825 |
| 850 | 17.7 | 66 | 9.9 | 333.8 | 1485 | 16.6 | 54 | 7.6 | 326.0 | 1479 | 17.7 | 55 | 8.2 | 329.2 | 1498 | 17.3 | 45 | 6.5 | 323.8 | 1511 | 850 |
| 875 | 18.7 | 59 | 9.1 | 330.1 | 1236 | 16.1 | 99 | 13.1 | 338.0 | 1232 | 17.6 | 70 | 10.2 | 331.8 | 1250 | 17.9 | 53 | 7.9 | 325.7 | 1264 | 875 |
| 900 | 16.4 | 94 | 12.4 | 333.6 | 995 | 17.5 | 99 | 14.0 | 339.3 | 991 | 18.9 | 74 | 11.3 | 333.7 | 1008 | 18.6 | 61 | 9.2 | 327.5 | 1022 | 900 |
| 925 | 18.0 | 88 | 12.5 | 333.2 | 761 | 19.1 | 98 | 14.9 | 340.9 | 755 | 20.4 | 75 | 12.4 | 335.6 | 772 | 19.3 | 69 | 10.6 | 329.4 | 786 | 925 |
| 950 | 19.6 | 83 | 12.6 | 332.7 | 531 | 21.0 | 94 | 15.7 | 342.8 | 524 | 21.3 | 80 | 13.7 | 337.7 | 540 | 21.5 | 73 | 12.6 | 335.0 | 555 | 950 |
| 975 | 21.8 | 84 | 14.3 | 337.2 | 306 | 22.8 | 91 | 16.5 | 344.5 | 297 | 22.2 | 83 | 14.4 | 338.2 | 314 | 24.7 | 75 | 15.3 | 343.6 | 328 | 975 |
| 1000 | 24.0 | 84 | 16.0 | 342.1 | 84 | 24.6 | 87 | 17.2 | 346.2 | 75 | 24.7 | 80 | 15.9 | 342.7 | 92 | 27.7 | 77 | 18.3 | 353.4 | 104 | 1000 |
| SFC. | 25.1 | 84 | 16.9 | 345.1 | 0 | 25.2 | 86 | 17.5 | 346.8 | 0 | 26.6 | 81 | 17.9 | 349.4 | 0 | 29.1 | 78 | 19.9 | 358.4 | 0 | SFC. |
| | SURFACE PRESSURE 1009.6 | | | | | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1011.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/24 0 7 GMT | | | | | 3/24 3 0 GMT | | | | | 3/24 9 0 GMT | | | | | 3/24 12 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.9 | 0 | 0.0 | 463.4 | 19515 | -65.8 | 0 | 0.0 | 463.6 | 19537 | -67.9 | 0 | 0.0 | 458.9 | 19473 | -65.7 | 0 | 0.0 | 463.8 | 19436 | 60 |
| 70 | -69.9 | 0 | 0.0 | 434.9 | 18588 | -69.7 | 17 | .0 | 435.4 | 18606 | -70.2 | 0 | 0.0 | 434.2 | 18545 | -70.7 | 21 | .0 | 433.2 | 18506 | 70 |
| 80 | -70.9 | 18 | .0 | 416.5 | 17794 | -71.5 | 17 | .0 | 415.3 | 17813 | -71.7 | 25 | .0 | 414.9 | 17753 | -72.0 | 22 | .0 | 414.3 | 17715 | 80 |
| 90 | -77.5 | 18 | .0 | 389.6 | 17103 | -75.6 | 17 | .0 | 393.4 | 17122 | -77.2 | 25 | .0 | 390.2 | 17067 | -80.3 | 22 | .0 | 384.0 | 17036 | 90 |
| 100 | -75.3 | 19 | .0 | 382.3 | 16496 | -75.0 | 17 | .0 | 382.8 | 16514 | -78.2 | 25 | .0 | 376.7 | 16464 | -78.8 | 23 | .0 | 375.5 | 16438 | 100 |
| 110 | -73.3 | 19 | .0 | 375.8 | 15941 | -75.5 | 18 | .0 | 371.6 | 15961 | -77.9 | 25 | .0 | 367.2 | 15919 | -78.5 | 22 | .0 | 365.9 | 15895 | 110 |
| 120 | -75.4 | 19 | .0 | 362.7 | 15434 | -74.7 | 18 | .0 | 364.0 | 15458 | -77.2 | 25 | .0 | 359.3 | 15421 | -78.3 | 22 | .0 | 357.3 | 15399 | 120 |
| 130 | -73.8 | 19 | .0 | 357.3 | 14970 | -72.3 | 17 | .0 | 360.0 | 14990 | -73.7 | 24 | .0 | 357.5 | 14958 | -74.3 | 21 | .0 | 356.4 | 14938 | 130 |
| 140 | -70.7 | 19 | .0 | 355.2 | 14534 | -69.8 | 17 | .0 | 356.9 | 14551 | -70.4 | 24 | .0 | 355.8 | 14522 | -71.0 | 21 | .0 | 354.7 | 14502 | 140 |
| 150 | -67.9 | 18 | .0 | 353.2 | 14122 | -66.8 | 17 | .0 | 355.0 | 14137 | -67.4 | 23 | .0 | 354.1 | 14109 | -68.9 | 21 | .0 | 351.4 | 14092 | 150 |
| 160 | -65.2 | 18 | .0 | 351.2 | 13732 | -64.1 | 17 | .0 | 353.2 | 13745 | -65.9 | 24 | .0 | 350.1 | 13718 | -66.9 | 21 | .0 | 348.4 | 13704 | 160 |
| 170 | -62.7 | 18 | .0 | 349.4 | 13360 | -61.5 | 17 | .0 | 351.5 | 13371 | -63.2 | 23 | .0 | 348.6 | 13348 | -64.8 | 21 | .0 | 345.9 | 13336 | 170 |
| 180 | -60.1 | 18 | .0 | 348.0 | 13006 | -58.9 | 17 | .0 | 350.0 | 13015 | -60.6 | 23 | .0 | 347.2 | 12994 | -61.8 | 21 | .0 | 345.3 | 12985 | 180 |
| 190 | -57.6 | 18 | .0 | 346.7 | 12667 | -56.4 | 17 | .0 | 348.6 | 12673 | -58.2 | 22 | .0 | 345.8 | 12656 | -58.9 | 20 | .0 | 344.6 | 12648 | 190 |
| 200 | -55.1 | 18 | .0 | 345.6 | 12341 | -54.1 | 16 | .0 | 347.3 | 12346 | -55.9 | 22 | .0 | 344.4 | 12331 | -56.2 | 20 | .0 | 343.9 | 12324 | 200 |
| 225 | -49.6 | 17 | .0 | 342.7 | 11579 | -48.7 | 16 | .0 | 344.0 | 11581 | -50.0 | 22 | .0 | 342.0 | 11572 | -49.6 | 19 | .0 | 342.7 | 11564 | 225 |
| 250 | -44.2 | 17 | .1 | 340.5 | 10882 | -43.2 | 17 | .1 | 342.1 | 10880 | -44.1 | 23 | .1 | 340.8 | 10875 | -44.2 | 17 | .1 | 340.6 | 10865 | 250 |
| 275 | -38.7 | 18 | .1 | 339.5 | 10235 | -38.1 | 17 | .1 | 340.5 | 10231 | -38.8 | 24 | .1 | 339.6 | 10228 | -39.1 | 17 | .1 | 338.9 | 10220 | 275 |
| 300 | -33.8 | 18 | .1 | 338.3 | 9631 | -33.4 | 18 | .1 | 338.9 | 9626 | -33.9 | 25 | .2 | 338.4 | 9624 | -33.9 | 16 | .1 | 338.1 | 9617 | 300 |
| 325 | -29.2 | 19 | .2 | 337.2 | 9065 | -28.6 | 23 | .3 | 338.3 | 9059 | -29.3 | 26 | .3 | 337.4 | 9058 | -29.1 | 18 | .2 | 337.4 | 9050 | 325 |
| 350 | -25.8 | 32 | .4 | 335.6 | 8531 | -24.1 | 39 | .6 | 338.6 | 8523 | -24.4 | 28 | .4 | 337.6 | 8523 | -24.5 | 21 | .3 | 337.0 | 8516 | 350 |
| 375 | -21.9 | 22 | .4 | 334.1 | 8028 | -21.0 | 35 | .7 | 336.4 | 8016 | -19.8 | 30 | .6 | 337.8 | 8016 | -20.2 | 24 | .5 | 336.7 | 8009 | 375 |
| 400 | -17.9 | 16 | .4 | 333.2 | 7549 | -17.5 | 18 | .4 | 333.9 | 7536 | -18.1 | 30 | .7 | 334.0 | 7536 | -17.4 | 66 | 1.6 | 338.1 | 7527 | 400 |
| 425 | -14.4 | 16 | .5 | 332.3 | 7092 | -14.1 | 17 | .5 | 332.8 | 7079 | -15.1 | 24 | .7 | 332.1 | 7080 | -15.0 | 27 | .8 | 332.5 | 7071 | 425 |
| 450 | -11.1 | 16 | .6 | 331.4 | 6656 | -11.0 | 16 | .6 | 331.7 | 6643 | -12.3 | 18 | .6 | 330.0 | 6646 | -13.3 | 24 | .7 | 329.2 | 6637 | 450 |
| 475 | -8.6 | 16 | .7 | 329.8 | 6239 | -8.5 | 17 | .7 | 330.1 | 6226 | -9.7 | 19 | .7 | 328.6 | 6231 | -10.1 | 24 | .9 | 328.6 | 6223 | 475 |
| 500 | -6.3 | 17 | .8 | 328.3 | 5840 | -6.1 | 18 | .8 | 328.6 | 5826 | -7.4 | 24 | 1.1 | 327.8 | 5833 | -7.1 | 23 | 1.0 | 328.1 | 5826 | 500 |
| 525 | -4.5 | 29 | 1.5 | 328.3 | 5457 | -4.4 | 27 | 1.4 | 328.2 | 5443 | -5.2 | 29 | 1.4 | 327.2 | 5451 | -4.8 | 25 | 1.3 | 327.1 | 5443 | 525 |
| 550 | -3.1 | 46 | 2.6 | 328.9 | 5090 | -3.2 | 48 | 2.6 | 329.1 | 5076 | -3.9 | 48 | 2.5 | 327.8 | 5085 | -3.7 | 43 | 2.2 | 327.2 | 5077 | 550 |
| 575 | -.5 | 26 | 1.7 | 325.1 | 4736 | -.8 | 33 | 2.1 | 326.1 | 4722 | -1.2 | 50 | 3.0 | 328.6 | 4732 | -1.4 | 53 | 3.2 | 328.7 | 4724 | 575 |
| 600 | 2.3 | 31 | 2.3 | 326.5 | 4394 | 1.5 | 40 | 2.9 | 327.2 | 4381 | 1.3 | 53 | 3.7 | 329.7 | 4391 | -.4 | 76 | 4.7 | 330.6 | 4384 | 600 |
| 625 | 4.9 | 35 | 3.0 | 328.0 | 4063 | 3.6 | 47 | 3.7 | 328.7 | 4051 | 2.6 | 71 | 5.2 | 331.8 | 4061 | 1.9 | 70 | 4.9 | 330.2 | 4056 | 625 |
| 650 | 6.9 | 35 | 3.4 | 327.8 | 3742 | 6.3 | 31 | 2.9 | 325.4 | 3731 | 4.6 | 66 | 5.4 | 331.1 | 3742 | 4.6 | 58 | 4.8 | 329.2 | 3737 | 650 |
| 675 | 8.9 | 35 | 3.7 | 327.6 | 3430 | 7.5 | 49 | 4.8 | 329.1 | 3420 | 6.6 | 59 | 5.4 | 329.8 | 3433 | 6.3 | 64 | 5.7 | 330.4 | 3428 | 675 |
| 700 | 10.7 | 33 | 3.8 | 326.6 | 3128 | 9.5 | 36 | 3.8 | 325.3 | 3120 | 8.6 | 52 | 5.2 | 328.3 | 3133 | 8.5 | 45 | 4.4 | 325.8 | 3129 | 700 |
| 725 | 12.4 | 30 | 3.7 | 325.0 | 2835 | 11.5 | 23 | 2.7 | 320.9 | 2827 | 10.5 | 47 | 5.1 | 326.9 | 2842 | 10.5 | 53 | 5.8 | 329.0 | 2837 | 725 |
| 750 | 14.1 | 26 | 3.5 | 323.2 | 2550 | 13.2 | 27 | 3.5 | 322.0 | 2543 | 12.0 | 47 | 5.5 | 326.7 | 2558 | 12.4 | 61 | 7.4 | 332.6 | 2553 | 750 |
| 775 | 15.7 | 23 | 3.3 | 321.4 | 2273 | 14.5 | 44 | 5.9 | 327.5 | 2267 | 13.6 | 47 | 5.9 | 326.5 | 2283 | 13.9 | 44 | 5.7 | 326.4 | 2277 | 775 |
| 800 | 16.3 | 40 | 5.9 | 326.6 | 2003 | 15.6 | 61 | 8.5 | 333.4 | 1998 | 15.1 | 46 | 6.2 | 326.3 | 2014 | 16.6 | 40 | 6.0 | 327.3 | 2008 | 800 |
| 825 | 17.1 | 45 | 6.6 | 326.8 | 1741 | 17.7 | 32 | 5.0 | 322.7 | 1736 | 16.5 | 46 | 6.6 | 326.1 | 1753 | 17.7 | 43 | 6.6 | 327.5 | 1746 | 825 |
| 850 | 18.3 | 38 | 5.9 | 323.2 | 1486 | 19.0 | 35 | 5.7 | 323.6 | 1480 | 17.9 | 46 | 7.0 | 326.0 | 1498 | 18.8 | 45 | 7.3 | 327.8 | 1490 | 850 |
| 875 | 19.2 | 39 | 6.2 | 322.5 | 1237 | 20.4 | 38 | 6.5 | 324.6 | 1231 | 19.3 | 46 | 7.4 | 325.9 | 1249 | 19.3 | 56 | 9.0 | 330.6 | 1240 | 875 |
| 900 | 21.0 | 56 | 9.7 | 331.9 | 994 | 21.6 | 40 | 7.3 | 325.8 | 987 | 19.9 | 60 | 9.8 | 330.8 | 1006 | 17.8 | 89 | 12.8 | 336.5 | 998 | 900 |
| 925 | 22.2 | 51 | 9.3 | 329.5 | 756 | 22.2 | 51 | 9.3 | 329.5 | 749 | 20.3 | 78 | 12.8 | 336.9 | 770 | 19.7 | 91 | 14.4 | 340.2 | 762 | 925 |
| 950 | 22.3 | 65 | 11.7 | 333.6 | 524 | 21.9 | 73 | 12.7 | 335.8 | 517 | 20.9 | 94 | 15.5 | 342.2 | 538 | 20.6 | 93 | 15.1 | 340.7 | 531 | 950 |
| 975 | 23.3 | 70 | 13.1 | 336.0 | 297 | 23.9 | 78 | 15.1 | 342.3 | 290 | 22.7 | 91 | 16.4 | 344.1 | 312 | 21.8 | 94 | 16.0 | 341.8 | 305 | 975 |
| 1000 | 26.8 | 68 | 15.3 | 343.9 | 75 | 26.4 | 80 | 17.6 | 349.5 | 66 | 24.4 | 88 | 17.2 | 345.9 | 89 | 24.1 | 88 | 16.9 | 344.7 | 83 | 1000 |
| SFC. | 29.2 | 71 | 18.3 | 354.3 | 0 | 27.2 | 80 | 18.3 | 351.9 | 0 | 25.1 | 87 | 17.5 | 346.7 | 0 | 25.0 | 86 | 17.2 | 345.8 | 0 | SFC. |
| | SURFACE PRESSURE 1008.4 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1009.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/24 1750 GMT T | RH | W | EPT | H | 3/25 0 1 GMT T | RH | W | EPT | H | 3/25 6 0 GMT T | RH | W | EPT | H | 3/25 12 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.6 | 0 | 0.0 | 470.8 | 19532 | -71.8 | 0 | 0.0 | 450.2 | 19546 | -60.5 | 0 | 0.0 | 475.5 | 19455 | -62.9 | 0 | 0.0 | 470.2 | 19466 | 60 |
| 70 | -69.4 | 0 | 0.0 | 435.9 | 18600 | -69.0 | 0 | 0.0 | 436.8 | 18626 | -72.0 | 31 | .0 | 430.4 | 18536 | -68.3 | 0 | 0.0 | 438.4 | 18524 | 70 |
| 80 | -70.9 | 0 | 0.0 | 416.4 | 17809 | -68.9 | 20 | .0 | 420.7 | 17834 | -73.6 | 32 | .0 | 411.0 | 17753 | -74.0 | 0 | 0.0 | 410.1 | 17737 | 80 |
| 90 | -71.5 | 20 | .0 | 401.6 | 17113 | -73.2 | 20 | .0 | 398.1 | 17134 | -80.2 | 32 | .0 | 384.3 | 17071 | -76.9 | 41 | .0 | 390.8 | 17054 | 90 |
| 100 | -76.0 | 20 | .0 | 380.9 | 16502 | -77.0 | 20 | .0 | 379.0 | 16527 | -78.4 | 32 | .0 | 376.3 | 16475 | -79.9 | 41 | .0 | 373.4 | 16455 | 100 |
| 110 | -74.8 | 20 | .0 | 372.9 | 15950 | -76.8 | 20 | .0 | 369.3 | 15978 | -77.7 | 31 | .0 | 367.5 | 15930 | -76.7 | 41 | .0 | 369.4 | 15911 | 110 |
| 120 | -76.9 | 20 | .0 | 359.9 | 15450 | -76.8 | 20 | .0 | 360.1 | 15479 | -76.7 | 31 | .0 | 360.2 | 15432 | -75.4 | 41 | .0 | 362.6 | 15409 | 120 |
| 130 | -73.1 | 20 | .0 | 358.6 | 14986 | -73.0 | 20 | .0 | 358.7 | 15015 | -73.3 | 31 | .0 | 358.2 | 14967 | -73.4 | 41 | .0 | 358.0 | 14943 | 130 |
| 140 | -69.6 | 20 | .0 | 357.3 | 14548 | -69.5 | 20 | .0 | 357.3 | 14577 | -70.1 | 31 | .0 | 356.3 | 14530 | -70.8 | 41 | .0 | 355.1 | 14508 | 140 |
| 150 | -67.4 | 20 | .0 | 354.0 | 14134 | -66.1 | 20 | .0 | 356.2 | 14162 | -66.4 | 31 | .0 | 355.8 | 14116 | -67.3 | 41 | .0 | 354.2 | 14095 | 150 |
| 160 | -66.4 | 20 | .0 | 349.2 | 13744 | -62.9 | 19 | .0 | 355.2 | 13767 | -62.8 | 31 | .0 | 355.3 | 13722 | -64.1 | 41 | .0 | 353.2 | 13703 | 160 |
| 170 | -64.8 | 20 | .0 | 345.8 | 13376 | -62.9 | 20 | .0 | 349.1 | 13394 | -60.4 | 31 | .0 | 353.2 | 13346 | -61.0 | 41 | .0 | 352.3 | 13329 | 170 |
| 180 | -61.8 | 20 | .0 | 345.3 | 13025 | -60.7 | 20 | .0 | 347.1 | 13041 | -59.5 | 32 | .0 | 349.0 | 12989 | -58.6 | 43 | .0 | 350.6 | 12972 | 180 |
| 190 | -58.8 | 20 | .0 | 344.8 | 12688 | -58.0 | 20 | .0 | 346.0 | 12702 | -58.6 | 33 | .0 | 345.1 | 12650 | -56.7 | 45 | .0 | 348.3 | 12631 | 190 |
| 200 | -55.9 | 20 | .0 | 344.4 | 12363 | -55.5 | 20 | .0 | 345.0 | 12377 | -56.6 | 33 | .0 | 343.3 | 12327 | -56.7 | 48 | .0 | 343.2 | 12305 | 200 |
| 225 | -49.1 | 21 | .0 | 343.4 | 11602 | -49.4 | 20 | .0 | 343.0 | 11616 | -50.1 | 32 | .1 | 342.0 | 11568 | -51.3 | 48 | .1 | 340.2 | 11551 | 225 |
| 250 | -43.1 | 22 | .1 | 342.3 | 10902 | -43.3 | 19 | .1 | 341.9 | 10916 | -44.3 | 32 | .1 | 340.6 | 10871 | -45.2 | 46 | .1 | 339.4 | 10857 | 250 |
| 275 | -37.7 | 22 | .1 | 341.1 | 10252 | -37.8 | 18 | .1 | 340.9 | 10267 | -39.0 | 32 | .1 | 339.3 | 10225 | -39.7 | 45 | .2 | 338.6 | 10213 | 275 |
| 300 | -32.7 | 23 | .2 | 340.0 | 9646 | -32.8 | 18 | .1 | 339.8 | 9661 | -34.2 | 31 | .2 | 338.0 | 9622 | -34.6 | 43 | .3 | 337.7 | 9612 | 300 |
| 325 | -28.2 | 23 | .3 | 339.0 | 9077 | -28.2 | 17 | .2 | 338.7 | 9092 | -29.8 | 31 | .3 | 336.8 | 9057 | -30.0 | 39 | .4 | 336.8 | 9047 | 325 |
| 350 | -23.9 | 23 | .4 | 338.0 | 8540 | -23.5 | 17 | .3 | 338.2 | 8555 | -26.0 | 24 | .3 | 334.9 | 8524 | -25.8 | 36 | .5 | 335.9 | 8515 | 350 |
| 375 | -20.0 | 24 | .5 | 337.1 | 8032 | -19.2 | 17 | .4 | 337.7 | 8047 | -21.7 | 29 | .5 | 334.8 | 8021 | -22.0 | 44 | .8 | 335.3 | 8011 | 375 |
| 400 | -17.4 | 51 | 1.2 | 336.9 | 7551 | -15.1 | 17 | .5 | 337.3 | 7563 | -18.3 | 38 | .9 | 334.4 | 7541 | -18.4 | 49 | 1.1 | 335.1 | 7533 | 400 |
| 425 | -14.6 | 25 | .7 | 333.0 | 7095 | -13.7 | 33 | 1.0 | 335.1 | 7102 | -14.5 | 43 | 1.3 | 335.0 | 7085 | -15.2 | 48 | 1.3 | 334.2 | 7078 | 425 |
| 450 | -12.0 | 23 | .8 | 330.9 | 6659 | -10.6 | 18 | .7 | 332.4 | 6665 | -11.4 | 20 | .7 | 331.5 | 6650 | -11.6 | 30 | 1.0 | 332.4 | 6643 | 450 |
| 475 | -9.4 | 22 | .9 | 329.4 | 6244 | -8.1 | 20 | .9 | 331.2 | 6247 | -10.0 | 17 | .7 | 328.0 | 6234 | -10.2 | 23 | .9 | 328.4 | 6227 | 475 |
| 500 | -6.9 | 21 | .9 | 328.0 | 5845 | -5.7 | 24 | 1.2 | 330.3 | 5847 | -8.2 | 64 | 2.6 | 331.8 | 5837 | -8.4 | 48 | 1.9 | 329.4 | 5831 | 500 |
| 525 | -4.5 | 19 | 1.0 | 326.7 | 5463 | -3.5 | 27 | 1.5 | 329.5 | 5463 | -6.0 | 28 | 1.3 | 325.6 | 5457 | -5.7 | 40 | 1.9 | 328.0 | 5450 | 525 |
| 550 | -2.7 | 30 | 1.7 | 326.7 | 5095 | -1.3 | 30 | 1.9 | 329.0 | 5094 | -3.7 | 31 | 1.6 | 325.3 | 5091 | -3.8 | 45 | 2.3 | 327.3 | 5084 | 550 |
| 575 | -1.7 | 52 | 3.0 | 328.0 | 4742 | .7 | 33 | 2.3 | 328.7 | 4738 | -1.3 | 38 | 2.3 | 326.2 | 4738 | -1.2 | 52 | 3.2 | 329.0 | 4731 | 575 |
| 600 | .4 | 45 | 3.0 | 326.3 | 4402 | 2.7 | 35 | 2.7 | 328.2 | 4395 | .4 | 58 | 3.8 | 328.8 | 4397 | .9 | 64 | 4.4 | 331.2 | 4390 | 600 |
| 625 | 2.8 | 46 | 3.4 | 326.7 | 4073 | 4.8 | 34 | 2.9 | 327.5 | 4063 | 1.9 | 64 | 4.5 | 328.9 | 4069 | 2.2 | 48 | 3.4 | 325.9 | 4061 | 625 |
| 650 | 5.1 | 47 | 4.0 | 327.5 | 3754 | 6.8 | 33 | 3.1 | 326.9 | 3742 | 4.5 | 27 | 2.2 | 321.3 | 3751 | 4.8 | 39 | 3.2 | 324.7 | 3743 | 650 |
| 675 | 7.8 | 35 | 3.4 | 325.4 | 3444 | 8.7 | 32 | 3.4 | 326.3 | 3431 | 6.5 | 41 | 3.7 | 324.7 | 3442 | 7.0 | 42 | 3.9 | 325.9 | 3434 | 675 |
| 700 | 9.3 | 37 | 3.9 | 325.1 | 3143 | 10.5 | 32 | 3.6 | 325.7 | 3129 | 8.8 | 36 | 3.6 | 323.7 | 3142 | 8.9 | 40 | 4.1 | 325.4 | 3133 | 700 |
| 725 | 10.8 | 46 | 5.2 | 327.4 | 2851 | 12.2 | 31 | 3.8 | 325.0 | 2836 | 11.0 | 31 | 3.5 | 322.6 | 2851 | 10.7 | 36 | 4.0 | 323.8 | 2842 | 725 |
| 750 | 12.6 | 48 | 5.8 | 328.2 | 2567 | 13.6 | 29 | 3.8 | 323.4 | 2552 | 13.1 | 26 | 3.3 | 321.3 | 2567 | 12.1 | 41 | 4.8 | 324.8 | 2559 | 750 |
| 775 | 14.3 | 37 | 4.9 | 324.4 | 2291 | 14.9 | 28 | 3.8 | 321.8 | 2275 | 14.3 | 33 | 4.3 | 322.8 | 2291 | 13.4 | 49 | 6.1 | 326.8 | 2283 | 775 |
| 800 | 15.8 | 36 | 5.1 | 323.8 | 2022 | 16.2 | 26 | 3.7 | 320.2 | 2006 | 15.2 | 52 | 7.1 | 328.9 | 2023 | 14.8 | 49 | 6.4 | 326.4 | 2015 | 800 |
| 825 | 17.4 | 29 | 4.4 | 320.5 | 1761 | 16.8 | 42 | 6.0 | 324.7 | 1744 | 16.7 | 42 | 6.1 | 324.9 | 1761 | 16.2 | 48 | 6.8 | 326.1 | 1754 | 825 |
| 850 | 19.0 | 30 | 4.8 | 320.8 | 1505 | 18.4 | 32 | 5.0 | 320.8 | 1489 | 18.0 | 44 | 6.7 | 325.1 | 1506 | 17.5 | 48 | 7.1 | 325.8 | 1499 | 850 |
| 875 | 19.1 | 48 | 7.7 | 326.5 | 1256 | 19.4 | 37 | 5.9 | 321.8 | 1241 | 19.2 | 38 | 6.1 | 322.1 | 1257 | 18.3 | 54 | 8.1 | 326.7 | 1251 | 875 |
| 900 | 18.3 | 82 | 12.1 | 335.1 | 1014 | 20.2 | 50 | 8.2 | 326.6 | 998 | 20.1 | 64 | 10.5 | 333.0 | 1015 | 18.9 | 65 | 10.0 | 330.1 | 1009 | 900 |
| 925 | 19.6 | 86 | 13.4 | 337.5 | 778 | 20.9 | 63 | 10.6 | 331.4 | 761 | 21.4 | 79 | 13.7 | 340.6 | 777 | 19.7 | 79 | 12.4 | 334.9 | 773 | 925 |
| 950 | 20.8 | 90 | 14.8 | 340.0 | 547 | 22.1 | 70 | 12.4 | 335.1 | 529 | 23.3 | 77 | 14.8 | 343.3 | 544 | 20.4 | 93 | 14.9 | 339.8 | 542 | 950 |
| 975 | 22.1 | 93 | 16.2 | 342.8 | 321 | 23.8 | 69 | 13.3 | 337.1 | 302 | 25.1 | 76 | 15.9 | 346.0 | 316 | 22.0 | 91 | 15.8 | 341.8 | 316 | 975 |
| 1000 | 24.9 | 89 | 17.9 | 348.3 | 98 | 25.4 | 69 | 14.2 | 339.1 | 80 | 25.7 | 81 | 17.2 | 347.5 | 92 | 23.8 | 87 | 16.4 | 343.1 | 95 | 1000 |
| SFC. | 26.1 | 87 | 18.6 | 350.8 | 0 | 29.1 | 78 | 20.0 | 358.9 | 0 | 25.6 | 85 | 17.7 | 347.6 | 0 | 25.1 | 85 | 17.1 | 345.5 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1011.2 | | SURFACE PRESSURE | | | 1009.0 | | SURFACE PRESSURE | | | 1010.5 | | SURFACE PRESSURE | | | 1010.8 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/25 1736 GMT | | | | | 3/25 2140 GMT | | | | | 3/27 010 GMT | | | | | 3/27 635 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -62.3 | 0 | 0.0 | 471.5 | 19543 | -60.2 | 0 | 0.0 | 476.2 | 19616 | -67.2 | 0 | 0.0 | 460.4 | 19527 | -69.8 | 0 | 0.0 | 454.7 | 19472 | 60 |
| 70 | -66.8 | 21 | .0 | 441.7 | 18600 | -67.2 | 0 | 0.0 | 440.6 | 18675 | -67.0 | 21 | .0 | 441.2 | 18597 | -69.2 | 0 | 0.0 | 436.3 | 18551 | 70 |
| 80 | -72.4 | 22 | .0 | 413.4 | 17804 | -69.6 | 25 | .0 | 419.3 | 17872 | -72.6 | 21 | .0 | 413.1 | 17808 | -71.3 | 18 | .0 | 415.7 | 17756 | 80 |
| 90 | -73.8 | 23 | .0 | 396.9 | 17116 | -71.5 | 25 | .0 | 401.5 | 17176 | -73.5 | 21 | .0 | 397.7 | 17117 | -78.2 | 18 | .0 | 388.2 | 17071 | 90 |
| 100 | -78.3 | 23 | .0 | 376.5 | 16514 | -78.1 | 25 | .0 | 376.9 | 16565 | -79.4 | 19 | .0 | 374.3 | 16510 | -82.0 | 18 | .0 | 369.3 | 16478 | 100 |
| 110 | -76.0 | 23 | .0 | 370.8 | 15967 | -75.2 | 25 | .0 | 372.3 | 16016 | -77.0 | 19 | .0 | 368.7 | 15966 | -78.8 | 18 | .0 | 365.4 | 15940 | 110 |
| 120 | -74.0 | 22 | .0 | 365.3 | 15462 | -74.9 | 25 | .0 | 363.7 | 15512 | -74.9 | 18 | .0 | 363.6 | 15464 | -76.6 | 18 | .0 | 360.5 | 15441 | 120 |
| 130 | -72.2 | 22 | .0 | 360.3 | 14993 | -71.9 | 25 | .0 | 360.7 | 15044 | -72.9 | 18 | .0 | 358.9 | 14997 | -75.9 | 18 | .0 | 353.5 | 14980 | 130 |
| 140 | -69.4 | 22 | .0 | 357.6 | 14554 | -69.2 | 25 | .0 | 358.0 | 14604 | -71.1 | 18 | .0 | 354.6 | 14560 | -72.6 | 18 | .0 | 352.0 | 14548 | 140 |
| 150 | -65.7 | 22 | .0 | 357.0 | 14139 | -65.8 | 25 | .0 | 356.8 | 14189 | -67.1 | 18 | .0 | 354.5 | 14148 | -69.4 | 17 | .0 | 350.6 | 14140 | 150 |
| 160 | -62.3 | 22 | .0 | 356.3 | 13744 | -62.3 | 25 | .0 | 356.2 | 13794 | -63.4 | 18 | .0 | 354.4 | 13755 | -66.1 | 17 | .0 | 349.8 | 13752 | 160 |
| 170 | -59.9 | 22 | .0 | 354.0 | 13367 | -59.0 | 25 | .0 | 355.6 | 13417 | -60.1 | 18 | .0 | 353.7 | 13379 | -62.8 | 16 | .0 | 349.3 | 13381 | 170 |
| 180 | -59.0 | 23 | .0 | 349.8 | 13009 | -57.2 | 25 | .0 | 352.8 | 13057 | -57.9 | 18 | .0 | 351.5 | 13021 | -59.7 | 16 | .0 | 348.7 | 13026 | 180 |
| 190 | -57.6 | 23 | .0 | 346.8 | 12669 | -55.5 | 25 | .0 | 350.1 | 12713 | -55.0 | 18 | .0 | 350.9 | 12678 | -56.7 | 16 | .0 | 348.1 | 12686 | 190 |
| 200 | -55.3 | 24 | .0 | 345.4 | 12343 | -53.9 | 25 | .0 | 347.6 | 12385 | -52.2 | 18 | .0 | 350.3 | 12348 | -53.9 | 15 | .0 | 347.5 | 12359 | 200 |
| 225 | -50.0 | 25 | .0 | 342.1 | 11583 | -49.3 | 25 | .0 | 343.2 | 11622 | -47.5 | 18 | .0 | 345.9 | 11577 | -47.6 | 15 | .0 | 345.8 | 11592 | 225 |
| 250 | -44.4 | 25 | .1 | 340.4 | 10886 | -43.8 | 26 | .1 | 341.3 | 10923 | -43.2 | 19 | .1 | 342.1 | 10875 | -42.0 | 14 | .1 | 343.9 | 10887 | 250 |
| 275 | -38.4 | 23 | .1 | 340.1 | 10239 | -38.8 | 27 | .1 | 339.6 | 10276 | -38.9 | 21 | .1 | 339.2 | 10227 | -38.3 | 14 | .1 | 340.0 | 10237 | 275 |
| 300 | -33.0 | 21 | .2 | 339.6 | 9634 | -33.1 | 26 | .2 | 339.6 | 9671 | -33.5 | 21 | .2 | 338.8 | 9623 | -33.6 | 14 | .1 | 338.5 | 9633 | 300 |
| 325 | -29.2 | 27 | .3 | 337.5 | 9068 | -28.3 | 25 | .3 | 338.8 | 9103 | -28.5 | 20 | .2 | 338.3 | 9056 | -28.9 | 13 | .1 | 337.4 | 9066 | 325 |
| 350 | -24.8 | 31 | .5 | 337.1 | 8533 | -24.5 | 26 | .4 | 337.3 | 8567 | -24.6 | 20 | .3 | 336.7 | 8520 | -24.4 | 12 | .2 | 336.6 | 8531 | 350 |
| 375 | -21.6 | 35 | .6 | 335.4 | 8027 | -20.9 | 26 | .5 | 336.0 | 8061 | -21.2 | 20 | .4 | 335.0 | 8015 | -20.7 | 13 | .3 | 335.2 | 8025 | 375 |
| 400 | -18.0 | 26 | .6 | 333.9 | 7549 | -17.5 | 27 | .7 | 334.7 | 7581 | -17.5 | 20 | .5 | 334.1 | 7535 | -18.7 | 25 | .5 | 332.7 | 7545 | 400 |
| 425 | -14.9 | 29 | .8 | 332.8 | 7093 | -13.7 | 24 | .7 | 334.1 | 7123 | -14.1 | 20 | .6 | 333.1 | 7078 | -16.1 | 39 | 1.0 | 331.9 | 7091 | 425 |
| 450 | -11.7 | 19 | .6 | 330.9 | 6657 | -10.1 | 20 | .8 | 333.5 | 6686 | -10.9 | 19 | .7 | 332.2 | 6641 | -12.4 | 36 | 1.2 | 331.8 | 6657 | 450 |
| 475 | -9.1 | 20 | .8 | 329.7 | 6241 | -7.3 | 20 | .9 | 332.4 | 6267 | -7.9 | 19 | .9 | 331.3 | 6223 | -10.0 | 36 | 1.4 | 330.4 | 6242 | 475 |
| 500 | -6.6 | 21 | 1.0 | 328.6 | 5842 | -5.0 | 22 | 1.1 | 331.0 | 5865 | -5.0 | 19 | 1.0 | 330.5 | 5823 | -7.7 | 27 | 1.1 | 327.7 | 5845 | 500 |
| 525 | -4.2 | 22 | 1.2 | 327.5 | 5459 | -2.8 | 23 | 1.4 | 329.9 | 5480 | -3.7 | 21 | 1.2 | 328.0 | 5438 | -5.1 | 28 | 1.4 | 327.3 | 5464 | 525 |
| 550 | -2.2 | 25 | 1.4 | 326.5 | 5091 | -.8 | 25 | 1.6 | 328.8 | 5110 | -1.3 | 19 | 1.2 | 326.7 | 5070 | -2.2 | 37 | 2.2 | 328.8 | 5096 | 550 |
| 575 | -.2 | 33 | 2.1 | 327.0 | 4737 | 1.0 | 29 | 2.1 | 328.2 | 4754 | .5 | 34 | 2.3 | 328.4 | 4714 | .4 | 47 | 3.2 | 331.2 | 4741 | 575 |
| 600 | 1.6 | 35 | 2.5 | 326.3 | 4395 | 2.7 | 33 | 2.6 | 327.8 | 4411 | 2.1 | 40 | 2.9 | 328.2 | 4371 | 3.0 | 31 | 2.5 | 327.8 | 4398 | 600 |
| 625 | 2.7 | 31 | 2.3 | 323.1 | 4066 | 3.9 | 28 | 2.3 | 324.5 | 4080 | 3.8 | 29 | 2.3 | 324.3 | 4041 | 5.1 | 27 | 2.4 | 326.3 | 4066 | 625 |
| 650 | 5.0 | 28 | 2.4 | 322.4 | 3747 | 6.1 | 31 | 2.8 | 325.2 | 3760 | 5.6 | 25 | 2.2 | 322.6 | 3721 | 7.0 | 25 | 2.4 | 324.9 | 3745 | 650 |
| 675 | 7.2 | 26 | 2.4 | 321.6 | 3438 | 8.3 | 34 | 3.4 | 326.0 | 3449 | 7.3 | 22 | 2.1 | 320.8 | 3412 | 8.9 | 22 | 2.3 | 323.4 | 3434 | 675 |
| 700 | 9.1 | 24 | 2.5 | 320.8 | 3138 | 10.0 | 34 | 3.7 | 325.4 | 3148 | 9.0 | 19 | 1.9 | 318.9 | 3112 | 10.7 | 20 | 2.3 | 321.9 | 3132 | 700 |
| 725 | 11.0 | 23 | 2.6 | 319.9 | 2846 | 11.7 | 33 | 3.9 | 324.8 | 2856 | 10.6 | 30 | 3.3 | 321.6 | 2821 | 12.5 | 17 | 2.2 | 320.3 | 2839 | 725 |
| 750 | 11.7 | 43 | 5.0 | 324.8 | 2563 | 13.3 | 33 | 4.2 | 324.3 | 2571 | 12.0 | 46 | 5.4 | 326.3 | 2538 | 13.8 | 22 | 2.9 | 320.9 | 2554 | 750 |
| 775 | 13.3 | 39 | 4.8 | 323.0 | 2288 | 14.2 | 41 | 5.4 | 325.9 | 2295 | 13.3 | 46 | 5.7 | 325.6 | 2262 | 14.7 | 36 | 4.8 | 324.7 | 2277 | 775 |
| 800 | 15.0 | 30 | 4.1 | 319.8 | 2020 | 15.1 | 50 | 6.7 | 327.7 | 2026 | 13.8 | 60 | 7.4 | 328.0 | 1995 | 15.7 | 32 | 4.5 | 321.8 | 2009 | 800 |
| 825 | 15.8 | 44 | 6.0 | 323.5 | 1760 | 15.5 | 51 | 6.8 | 325.5 | 1765 | 14.7 | 64 | 8.2 | 328.4 | 1734 | 15.8 | 73 | 10.1 | 335.0 | 1747 | 825 |
| 850 | 17.0 | 53 | 7.6 | 326.7 | 1505 | 15.9 | 51 | 6.7 | 322.8 | 1512 | 16.1 | 63 | 8.5 | 328.1 | 1481 | 17.8 | 50 | 7.5 | 327.1 | 1492 | 850 |
| 875 | 18.0 | 62 | 9.3 | 329.7 | 1257 | 17.1 | 63 | 8.9 | 327.6 | 1265 | 17.8 | 58 | 8.5 | 327.3 | 1233 | 19.4 | 40 | 6.4 | 323.4 | 1243 | 875 |
| 900 | 18.0 | 74 | 10.8 | 331.1 | 1016 | 18.4 | 76 | 11.2 | 332.7 | 1023 | 19.5 | 53 | 8.4 | 326.3 | 991 | 20.2 | 40 | 6.7 | 322.2 | 1001 | 900 |
| 925 | 18.9 | 79 | 11.9 | 332.4 | 780 | 19.6 | 87 | 13.6 | 338.0 | 787 | 20.6 | 54 | 8.9 | 326.3 | 755 | 20.2 | 51 | 8.2 | 324.0 | 764 | 925 |
| 950 | 20.2 | 82 | 12.9 | 334.0 | 550 | 21.5 | 84 | 14.4 | 339.8 | 556 | 20.9 | 63 | 10.5 | 328.5 | 524 | 20.4 | 81 | 13.0 | 334.7 | 534 | 950 |
| 975 | 22.4 | 83 | 14.6 | 339.0 | 324 | 23.4 | 80 | 15.1 | 341.6 | 329 | 21.6 | 71 | 11.8 | 330.5 | 299 | 22.3 | 85 | 14.9 | 339.5 | 308 | 975 |
| 1000 | 24.9 | 84 | 16.8 | 345.4 | 102 | 25.3 | 77 | 15.8 | 343.3 | 1[illegible]6 | 23.5 | 69 | 12.7 | 332.5 | 78 | 24.3 | 85 | 16.5 | 343.8 | 86 | 1000 |
| SFC. | 26.0 | 84 | 17.9 | 348.5 | 0 | 26.1 | 80 | 17.1 | 346.5 | 0 | 30.0 | 73 | 19.7 | 359.3 | 0 | 25.1 | 85 | 17.1 | 345.6 | 0 | SFC. |
| | SURFACE PRESSURE 1011.6 | | | | | SURFACE PRESSURE 1[illegible]12.1 | | | | | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1009.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/27 1150 GMT T | RH | W | EPT | H | 3/27 20 6 GMT T | RH | W | EPT | H | 3/27 2350 GMT T | RH | W | EPT | H | 3/28 545 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.5 | 0 | 0.0 | 457.7 | 19334 | -63.5 | 0 | 0.0 | 468.8 | 19587 | -65.7 | 0 | 0.0 | 463.9 | 19566 | -67.1 | 0 | 0.0 | 460.7 | 19507 | 60 |
| 70 | -71.2 | 0 | 0.0 | 432.0 | 18416 | -70.9 | 0 | 0.0 | 432.7 | 18661 | -71.4 | 0 | 0.0 | 431.6 | 18643 | -70.1 | 0 | 0.0 | 434.4 | 18585 | 70 |
| 80 | -73.9 | 20 | .0 | 410.4 | 17631 | -71.8 | 0 | 0.0 | 414.7 | 17872 | -72.4 | 0 | 0.0 | 413.4 | 17856 | -71.5 | 23 | .0 | 415.4 | 17793 | 80 |
| 90 | -80.1 | 20 | .0 | 384.3 | 16951 | -75.5 | 21 | .0 | 393.6 | 17162 | -75.8 | 18 | .0 | 393.0 | 17169 | -72.3 | 22 | .0 | 400.0 | 17099 | 90 |
| 100 | -84.1 | 20 | .0 | 365.3 | 16366 | -80.6 | 21 | .0 | 372.0 | 16580 | -79.4 | 18 | .0 | 374.3 | 16567 | -77.8 | 23 | .0 | 377.4 | 16488 | 100 |
| 110 | -80.4 | 20 | .0 | 362.4 | 15833 | -77.5 | 21 | .0 | 367.9 | 16038 | -76.0 | 18 | .0 | 370.7 | 16022 | -78.0 | 23 | .0 | 367.0 | 15945 | 110 |
| 120 | -78.7 | 20 | .0 | 356.6 | 15339 | -74.6 | 21 | .0 | 364.2 | 15536 | -74.9 | 18 | .0 | 363.5 | 15519 | -76.2 | 22 | .0 | 361.2 | 15446 | 120 |
| 130 | -76.6 | 20 | .0 | 352.4 | 14881 | -71.9 | 21 | .0 | 360.7 | 15067 | -72.9 | 18 | .0 | 358.9 | 15051 | -74.6 | 22 | .0 | 355.9 | 14982 | 130 |
| 140 | -73.2 | 20 | .0 | 350.9 | 14451 | -69.5 | 21 | .0 | 357.4 | 14628 | -70.0 | 17 | .0 | 356.6 | 14614 | -72.3 | 22 | .0 | 352.4 | 14549 | 140 |
| 150 | -69.8 | 20 | .0 | 350.0 | 14043 | -66.4 | 21 | .0 | 355.8 | 14213 | -66.6 | 17 | .0 | 355.4 | 14200 | -69.1 | 21 | .0 | 351.1 | 14140 | 150 |
| 160 | -66.7 | 19 | .0 | 348.7 | 13656 | -63.1 | 21 | .0 | 354.8 | 13820 | -63.5 | 16 | .0 | 354.1 | 13807 | -66.1 | 21 | .0 | 349.8 | 13752 | 160 |
| 170 | -63.9 | 19 | .0 | 347.4 | 13287 | -60.1 | 20 | .0 | 353.8 | 13444 | -60.6 | 16 | .0 | 352.9 | 13432 | -63.0 | 21 | .0 | 348.9 | 13381 | 170 |
| 180 | -61.2 | 19 | .0 | 346.1 | 12935 | -57.2 | 20 | .0 | 352.8 | 13085 | -57.8 | 15 | .0 | 351.7 | 13074 | -60.1 | 20 | .0 | 348.0 | 13027 | 180 |
| 190 | -58.7 | 18 | .0 | 344.9 | 12597 | -54.8 | 20 | .0 | 351.2 | 12741 | -55.0 | 15 | .0 | 350.9 | 12730 | -57.4 | 20 | .0 | 347.1 | 12688 | 190 |
| 200 | -56.2 | 18 | .0 | 343.9 | 12273 | -52.9 | 20 | .0 | 349.2 | 12411 | -52.1 | 15 | .0 | 350.4 | 12401 | -54.8 | 20 | .0 | 346.2 | 12362 | 200 |
| 225 | -49.8 | 17 | .0 | 342.3 | 11514 | -47.8 | 20 | .0 | 345.5 | 11644 | -45.4 | 15 | .0 | 349.1 | 11627 | -48.6 | 19 | .0 | 344.3 | 11598 | 225 |
| 250 | -44.1 | 16 | .0 | 340.7 | 10816 | -41.8 | 19 | .1 | 344.3 | 10939 | -41.4 | 17 | .1 | 344.8 | 10917 | -43.0 | 19 | .1 | 342.5 | 10896 | 250 |
| 275 | -39.5 | 16 | .1 | 338.4 | 10170 | -36.3 | 18 | .1 | 343.1 | 10286 | -35.9 | 15 | .1 | 343.6 | 10263 | -37.9 | 18 | .1 | 340.7 | 10247 | 275 |
| 300 | -36.0 | 17 | .1 | 335.1 | 9570 | -32.2 | 18 | .2 | 340.7 | 9676 | -31.3 | 14 | .1 | 341.8 | 9652 | -33.3 | 18 | .1 | 339.0 | 9641 | 300 |
| 325 | -32.1 | 19 | .1 | 333.0 | 9009 | -28.2 | 20 | .2 | 338.7 | 9107 | -28.2 | 15 | .2 | 338.6 | 9082 | -29.1 | 17 | .2 | 337.3 | 9074 | 325 |
| 350 | -28.1 | 25 | .3 | 331.9 | 8482 | -24.1 | 23 | .4 | 337.8 | 8571 | -25.0 | 28 | .4 | 336.7 | 8546 | -26.4 | 24 | .3 | 334.3 | 8542 | 350 |
| 375 | -22.7 | 36 | .6 | 333.8 | 7981 | -21.1 | 36 | .7 | 336.1 | 8064 | -21.3 | 32 | .6 | 335.7 | 8042 | -23.1 | 55 | .9 | 334.3 | 8040 | 375 |
| 400 | -19.4 | 22 | .5 | 331.5 | 7505 | -17.3 | 22 | .5 | 334.6 | 7584 | -17.2 | 24 | .6 | 334.9 | 7562 | -18.6 | 39 | .9 | 334.0 | 7563 | 400 |
| 425 | -16.5 | 26 | .6 | 330.2 | 7051 | -13.1 | 19 | .6 | 334.5 | 7126 | -13.1 | 17 | .6 | 334.3 | 7103 | -14.7 | 30 | .9 | 333.2 | 7107 | 425 |
| 450 | -13.6 | 29 | .9 | 329.3 | 6619 | -10.8 | 21 | .8 | 332.5 | 6688 | -10.2 | 17 | .6 | 332.8 | 6665 | -11.1 | 22 | .8 | 332.2 | 6672 | 450 |
| 475 | -10.2 | 26 | 1.0 | 328.8 | 6205 | -8.1 | 23 | 1.0 | 331.5 | 6271 | -7.5 | 18 | .8 | 331.7 | 6247 | -8.6 | 19 | .8 | 330.3 | 6254 | 475 |
| 500 | -7.0 | 24 | 1.1 | 328.3 | 5808 | -5.2 | 24 | 1.2 | 331.1 | 5870 | -4.5 | 18 | 1.0 | 331.1 | 5845 | -5.6 | 21 | 1.1 | 330.1 | 5854 | 500 |
| 525 | -5.1 | 31 | 1.5 | 327.5 | 5426 | -2.4 | 25 | 1.5 | 330.9 | 5485 | -1.9 | 22 | 1.4 | 330.9 | 5459 | -2.7 | 23 | 1.4 | 330.0 | 5469 | 525 |
| 550 | -3.0 | 42 | 2.4 | 328.5 | 5059 | .2 | 27 | 1.9 | 330.9 | 5114 | -.3 | 33 | 2.3 | 331.5 | 5088 | .1 | 25 | 1.7 | 330.1 | 5099 | 550 |
| 575 | -.5 | 54 | 3.4 | 330.7 | 4705 | 1.6 | 43 | 3.2 | 332.6 | 4757 | 1.4 | 44 | 3.2 | 332.3 | 4731 | 1.8 | 39 | 3.0 | 332.0 | 4741 | 575 |
| 600 | 1.9 | 59 | 4.3 | 332.1 | 4363 | 3.2 | 29 | 2.3 | 327.7 | 4413 | 2.5 | 24 | 1.8 | 325.2 | 4388 | 3.2 | 42 | 3.4 | 330.9 | 4397 | 600 |
| 625 | 4.3 | 31 | 2.6 | 326.0 | 4032 | 5.3 | 27 | 2.4 | 326.6 | 4081 | 4.6 | 23 | 1.9 | 324.1 | 4057 | 5.2 | 22 | 2.0 | 325.0 | 4065 | 625 |
| 650 | 5.2 | 25 | 2.1 | 321.9 | 3712 | 7.3 | 27 | 2.6 | 325.9 | 3759 | 6.5 | 21 | 2.0 | 323.0 | 3736 | 7.6 | 26 | 2.6 | 326.2 | 3744 | 650 |
| 675 | 6.8 | 22 | 2.0 | 319.9 | 3403 | 9.2 | 26 | 2.8 | 325.1 | 3448 | 8.4 | 20 | 2.1 | 321.9 | 3426 | 9.5 | 34 | 3.7 | 328.4 | 3432 | 675 |
| 700 | 8.4 | 19 | 1.9 | 318.0 | 3104 | 11.1 | 25 | 3.0 | 324.4 | 3145 | 9.6 | 39 | 4.2 | 326.5 | 3125 | 10.3 | 44 | 4.9 | 329.4 | 3129 | 700 |
| 725 | 9.6 | 32 | 3.3 | 320.5 | 2814 | 12.4 | 32 | 4.0 | 325.8 | 2852 | 11.3 | 48 | 5.5 | 329.1 | 2832 | 11.4 | 55 | 6.5 | 332.0 | 2837 | 725 |
| 750 | 11.3 | 31 | 3.5 | 320.0 | 2532 | 13.5 | 40 | 5.2 | 327.7 | 2567 | 13.3 | 47 | 6.0 | 329.8 | 2548 | 13.2 | 56 | 7.1 | 332.8 | 2552 | 750 |
| 775 | 11.7 | 67 | 7.4 | 328.6 | 2257 | 14.7 | 48 | 6.5 | 329.7 | 2290 | 14.8 | 51 | 6.9 | 330.9 | 2271 | 14.9 | 58 | 7.9 | 334.0 | 2275 | 775 |
| 800 | 12.9 | 49 | 5.8 | 322.5 | 1991 | 16.2 | 48 | 7.0 | 329.7 | 2021 | 15.9 | 50 | 7.0 | 329.4 | 2002 | 16.1 | 64 | 9.3 | 336.3 | 2005 | 800 |
| 825 | 14.0 | 50 | 6.1 | 321.7 | 1732 | 17.3 | 46 | 6.8 | 327.6 | 1758 | 16.9 | 40 | 5.8 | 324.2 | 1740 | 17.1 | 72 | 10.8 | 338.7 | 1742 | 825 |
| 850 | 15.2 | 39 | 4.9 | 317.0 | 1479 | 17.6 | 47 | 6.9 | 325.4 | 1503 | 17.7 | 45 | 6.7 | 325.0 | 1485 | 18.1 | 47 | 7.3 | 327.0 | 1487 | 850 |
| 875 | 15.9 | 55 | 7.1 | 321.2 | 1233 | 17.8 | 61 | 9.0 | 328.6 | 1255 | 18.2 | 54 | 8.2 | 326.9 | 1236 | 18.6 | 62 | 9.6 | 331.4 | 1238 | 875 |
| 900 | 16.6 | 70 | 9.3 | 325.4 | 993 | 18.3 | 64 | 9.4 | 327.6 | 1014 | 18.5 | 54 | 8.0 | 324.1 | 995 | 20.2 | 55 | 9.1 | 329.2 | 996 | 900 |
| 925 | 18.2 | 67 | 9.6 | 325.3 | 759 | 19.6 | 65 | 10.2 | 328.8 | 778 | 19.0 | 70 | 10.6 | 329.0 | 759 | 21.5 | 68 | 12.0 | 335.9 | 758 | 925 |
| 950 | 18.5 | 98 | 14.0 | 335.1 | 530 | 20.9 | 75 | 12.4 | 333.6 | 547 | 20.4 | 72 | 11.5 | 330.5 | 529 | 21.8 | 81 | 14.2 | 339.7 | 526 | 950 |
| 975 | 20.9 | 95 | 15.4 | 339.1 | 305 | 23.0 | 69 | 12.6 | 334.2 | 321 | 22.4 | 67 | 11.8 | 331.4 | 304 | 22.6 | 88 | 15.7 | 342.2 | 299 | 975 |
| 1000 | 23.2 | 92 | 16.8 | 343.2 | 84 | 25.8 | 65 | 13.8 | 338.3 | 99 | 24.4 | 62 | 12.0 | 331.8 | 82 | 24.4 | 89 | 17.5 | 346.5 | 77 | 1000 |
| SFC. | 24.1 | 91 | 17.3 | 344.7 | 0 | 30.0 | 69 | 18.5 | 355.8 | 0 | 30.0 | 65 | 17.5 | 353.0 | 0 | 25.0 | 90 | 18.1 | 348.1 | 0 | SFC. |
| | SURFACE PRESSURE 1009.6 | | | | | SURFACE PRESSURE 1011.2 | | | | | SURFACE PRESSURE 1009.3 | | | | | SURFACE PRESSURE 1008.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/28 1155 GMT | | | | | 3/28 15 0 GMT | | | | | 3/28 1750 GMT | | | | | 3/28 21 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -66.7 | 0 | 0.0 | 461.7 | 19507 | -63.9 | 0 | 0.0 | 467.9 | 19479 | -62.7 | 0 | 0.0 | 470.6 | 19591 | -57.2 | 0 | 0.0 | 482.9 | 19594 | 60 |
| 70 | -72.6 | 23 | .0 | 429.1 | 18589 | -71.3 | 0 | 0.0 | 431.9 | 18551 | -68.1 | 0 | 0.0 | 438.7 | 18656 | -68.4 | 0 | 0.0 | 438.0 | 18653 | 70 |
| 80 | -73.8 | 22 | .0 | 410.6 | 17808 | -75.3 | 25 | .0 | 407.4 | 17772 | -72.8 | 0 | 0.0 | 412.6 | 17864 | -72.2 | 19 | .0 | 413.8 | 17860 | 80 |
| 90 | -73.4 | 22 | .0 | 397.9 | 17120 | -76.7 | 25 | .0 | 391.2 | 17092 | -74.0 | 0 | 0.0 | 396.6 | 17175 | -73.4 | 20 | .0 | 397.8 | 17169 | 90 |
| 100 | -76.5 | 22 | .0 | 380.0 | 16506 | -77.9 | 25 | .0 | 377.2 | 16487 | -75.0 | 20 | .0 | 382.9 | 16562 | -74.4 | 20 | .0 | 384.0 | 16554 | 100 |
| 110 | -77.4 | 22 | .0 | 368.0 | 15960 | -78.3 | 25 | .0 | 366.4 | 15944 | -78.0 | 19 | .0 | 366.9 | 16014 | -76.0 | 20 | .0 | 370.7 | 16000 | 110 |
| 120 | -76.0 | 22 | .0 | 361.6 | 15459 | -76.9 | 25 | .0 | 360.0 | 15446 | -76.2 | 19 | .0 | 361.2 | 15514 | -75.4 | 20 | .0 | 362.7 | 15497 | 120 |
| 130 | -74.6 | 22 | .0 | 355.8 | 14996 | -74.8 | 25 | .0 | 355.5 | 14984 | -74.0 | 19 | .0 | 356.9 | 15050 | -74.4 | 20 | .0 | 356.3 | 15033 | 130 |
| 140 | -72.1 | 22 | .0 | 352.7 | 14562 | -71.8 | 25 | .0 | 353.4 | 14551 | -70.9 | 19 | .0 | 354.9 | 14615 | -71.1 | 20 | .0 | 354.5 | 14598 | 140 |
| 150 | -69.7 | 21 | .0 | 350.1 | 14153 | -68.6 | 25 | .0 | 351.9 | 14141 | -68.0 | 19 | .0 | 352.9 | 14203 | -68.1 | 20 | .0 | 352.9 | 14186 | 150 |
| 160 | -66.3 | 21 | .0 | 349.3 | 13766 | -65.7 | 25 | .0 | 350.5 | 13751 | -65.3 | 19 | .0 | 351.0 | 13813 | -65.2 | 20 | .0 | 351.2 | 13796 | 160 |
| 170 | -63.2 | 21 | .0 | 348.6 | 13396 | -62.9 | 24 | .0 | 349.1 | 13380 | -62.7 | 19 | .0 | 349.5 | 13442 | -62.6 | 20 | .0 | 349.6 | 13425 | 170 |
| 180 | -60.2 | 21 | .0 | 347.8 | 13042 | -60.2 | 24 | .0 | 347.8 | 13026 | -59.5 | 19 | .0 | 348.9 | 13087 | -60.0 | 20 | .0 | 348.1 | 13070 | 180 |
| 190 | -57.4 | 22 | .0 | 347.0 | 12702 | -57.8 | 24 | .0 | 346.4 | 12687 | -56.6 | 18 | .0 | 348.3 | 12746 | -57.2 | 20 | .0 | 347.3 | 12730 | 190 |
| 200 | -54.7 | 22 | .0 | 346.2 | 12376 | -55.2 | 24 | .0 | 345.4 | 12362 | -53.8 | 18 | .0 | 347.7 | 12419 | -54.4 | 19 | .0 | 346.7 | 12404 | 200 |
| 225 | -48.6 | 22 | .0 | 344.2 | 11612 | -48.6 | 22 | .0 | 344.3 | 11598 | -47.4 | 17 | .0 | 346.0 | 11651 | -48.0 | 18 | .0 | 345.2 | 11638 | 225 |
| 250 | -42.7 | 20 | .1 | 342.9 | 10911 | -42.6 | 21 | .1 | 343.1 | 10896 | -41.7 | 17 | .1 | 344.4 | 10946 | -42.2 | 18 | .1 | 343.7 | 10934 | 250 |
| 275 | -37.3 | 17 | .1 | 341.6 | 10260 | -37.2 | 19 | .1 | 341.9 | 10245 | -36.5 | 16 | .1 | 342.8 | 10293 | -37.0 | 17 | .1 | 342.1 | 10282 | 275 |
| 300 | -32.8 | 16 | .1 | 339.7 | 9653 | -32.3 | 18 | .2 | 340.5 | 9637 | -31.8 | 16 | .1 | 341.2 | 9683 | -32.2 | 16 | .1 | 340.6 | 9674 | 300 |
| 325 | -28.7 | 16 | .2 | 337.9 | 9085 | -28.6 | 18 | .2 | 338.0 | 9069 | -27.4 | 15 | .2 | 339.7 | 9113 | -28.7 | 16 | .2 | 337.8 | 9105 | 325 |
| 350 | -25.1 | 19 | .3 | 336.0 | 8550 | -25.9 | 23 | .3 | 335.0 | 8535 | -24.0 | 15 | .2 | 337.4 | 8575 | -25.2 | 18 | .3 | 335.8 | 8571 | 350 |
| 375 | -21.8 | 33 | .6 | 335.0 | 8046 | -21.8 | 43 | .8 | 335.5 | 8031 | -20.8 | 23 | .5 | 335.9 | 8069 | -21.7 | 21 | .4 | 334.4 | 8066 | 375 |
| 400 | -19.2 | 33 | .7 | 332.6 | 7569 | -19.0 | 42 | .9 | 333.6 | 7554 | -17.6 | 19 | .5 | 333.9 | 7588 | -18.4 | 24 | .5 | 333.1 | 7588 | 400 |
| 425 | -15.0 | 24 | .7 | 332.2 | 7114 | -15.1 | 29 | .8 | 332.6 | 7099 | -14.2 | 19 | .6 | 333.0 | 7132 | -14.7 | 24 | .7 | 332.6 | 7132 | 425 |
| 450 | -11.4 | 20 | .7 | 331.6 | 6679 | -11.5 | 23 | .8 | 331.8 | 6664 | -10.9 | 20 | .7 | 332.2 | 6695 | -11.2 | 24 | .8 | 332.2 | 6696 | 450 |
| 475 | -8.2 | 23 | 1.0 | 331.3 | 6262 | -8.5 | 24 | 1.0 | 331.1 | 6247 | -8.4 | 23 | 1.0 | 331.1 | 6278 | -7.9 | 23 | 1.0 | 331.9 | 6279 | 475 |
| 500 | -5.3 | 25 | 1.3 | 331.2 | 5861 | -5.6 | 28 | 1.4 | 331.1 | 5847 | -5.1 | 22 | 1.1 | 330.9 | 5877 | -4.8 | 23 | 1.2 | 331.6 | 5878 | 500 |
| 525 | -2.5 | 27 | 1.7 | 331.3 | 5476 | -2.4 | 27 | 1.6 | 331.2 | 5462 | -2.0 | 21 | 1.3 | 330.7 | 5492 | -1.8 | 23 | 1.5 | 331.4 | 5492 | 525 |
| 550 | .2 | 29 | 2.1 | 331.5 | 5105 | .2 | 32 | 2.2 | 332.0 | 5091 | .9 | 20 | 1.5 | 330.5 | 5120 | .4 | 23 | 1.7 | 330.3 | 5120 | 550 |
| 575 | 2.7 | 27 | 2.2 | 330.6 | 4747 | 2.0 | 38 | 2.9 | 332.1 | 4733 | 2.6 | 25 | 2.0 | 330.0 | 4762 | 2.4 | 24 | 1.9 | 329.3 | 4763 | 575 |
| 600 | 3.8 | 35 | 2.9 | 330.3 | 4402 | 3.6 | 28 | 2.3 | 328.0 | 4389 | 4.2 | 22 | 1.9 | 327.6 | 4417 | 4.4 | 24 | 2.1 | 328.3 | 4417 | 600 |
| 625 | 5.5 | 19 | 1.7 | 324.6 | 4069 | 5.4 | 22 | 1.9 | 325.2 | 4056 | 6.4 | 18 | 1.7 | 325.7 | 4083 | 6.3 | 24 | 2.3 | 327.4 | 4084 | 625 |
| 650 | 7.7 | 26 | 2.6 | 326.3 | 3748 | 7.0 | 40 | 3.9 | 329.4 | 3735 | 8.2 | 31 | 3.2 | 329.0 | 3761 | 8.1 | 24 | 2.5 | 326.6 | 3761 | 650 |
| 675 | 9.9 | 24 | 2.7 | 325.8 | 3435 | 8.6 | 34 | 3.5 | 326.7 | 3424 | 9.9 | 29 | 3.3 | 327.5 | 3448 | 9.9 | 25 | 2.8 | 325.9 | 3449 | 675 |
| 700 | 11.1 | 29 | 3.4 | 325.7 | 3133 | 9.1 | 54 | 5.6 | 330.0 | 3122 | 10.9 | 44 | 5.1 | 330.8 | 3145 | 11.5 | 25 | 3.0 | 325.2 | 3146 | 700 |
| 725 | 11.7 | 55 | 6.6 | 332.7 | 2839 | 10.9 | 59 | 6.7 | 332.1 | 2830 | 12.4 | 43 | 5.3 | 329.8 | 2852 | 11.6 | 57 | 6.7 | 333.0 | 2853 | 725 |
| 750 | 12.8 | 58 | 7.1 | 332.3 | 2555 | 12.7 | 64 | 7.9 | 334.4 | 2546 | 14.2 | 40 | 5.5 | 329.2 | 2566 | 13.5 | 52 | 6.7 | 332.0 | 2568 | 750 |
| 775 | 15.1 | 48 | 6.6 | 330.5 | 2278 | 14.8 | 30 | 4.0 | 322.4 | 2270 | 16.0 | 38 | 5.6 | 328.6 | 2289 | 15.2 | 48 | 6.7 | 330.8 | 2291 | 775 |
| 800 | 15.5 | 64 | 8.8 | 334.0 | 2008 | 15.1 | 69 | 9.3 | 334.9 | 2001 | 16.2 | 53 | 7.7 | 331.7 | 2019 | 17.0 | 43 | 6.6 | 329.4 | 2021 | 800 |
| 825 | 16.5 | 62 | 8.8 | 332.4 | 1746 | 16.0 | 76 | 10.6 | 336.7 | 1739 | 17.0 | 56 | 8.2 | 331.2 | 1756 | 17.7 | 49 | 7.5 | 330.0 | 1758 | 825 |
| 850 | 17.5 | 59 | 8.7 | 330.4 | 1491 | 16.7 | 62 | 8.8 | 329.5 | 1484 | 17.9 | 56 | 8.6 | 330.4 | 1501 | 18.2 | 55 | 8.6 | 330.8 | 1502 | 850 |
| 875 | 18.6 | 62 | 9.7 | 331.5 | 1243 | 17.7 | 74 | 10.8 | 333.4 | 1237 | 18.5 | 73 | 11.2 | 335.7 | 1252 | 19.4 | 54 | 8.7 | 329.9 | 1253 | 875 |
| 900 | 19.0 | 94 | 14.6 | 342.8 | 1000 | 18.5 | 85 | 12.8 | 337.3 | 995 | 19.7 | 69 | 11.1 | 334.0 | 1009 | 20.7 | 52 | 8.9 | 329.0 | 1010 | 900 |
| 925 | 20.0 | 88 | 14.2 | 340.0 | 764 | 20.1 | 86 | 13.8 | 339.1 | 758 | 21.2 | 70 | 12.1 | 335.9 | 772 | 21.6 | 54 | 9.6 | 329.5 | 772 | 925 |
| 950 | 21.6 | 88 | 15.2 | 342.2 | 532 | 21.6 | 85 | 14.7 | 340.9 | 526 | 22.1 | 75 | 13.4 | 337.9 | 540 | 22.1 | 65 | 11.6 | 333.1 | 540 | 950 |
| 975 | 23.1 | 88 | 16.3 | 344.5 | 305 | 23.1 | 85 | 15.7 | 342.7 | 300 | 23.6 | 86 | 16.3 | 345.1 | 313 | 22.8 | 76 | 13.7 | 337.0 | 314 | 975 |
| 1000 | 24.6 | 88 | 17.4 | 346.9 | 83 | 24.6 | 84 | 16.6 | 344.5 | 77 | 25.8 | 85 | 18.0 | 349.8 | 90 | 27.4 | 75 | 17.5 | 350.7 | 91 | 1000 |
| SFC. | 25.2 | 88 | 17.9 | 347.8 | 0 | 25.1 | 84 | 17.0 | 345.2 | 0 | 26.7 | 84 | 18.7 | 351.8 | 0 | 29.2 | 75 | 19.3 | 356.9 | 0 | SFC. |
| | SURFACE PRESSURE 1009.4 | | | | | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1010.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/29 0 0 GMT T | RH | W | EPT | H | 3/29 250 GMT T | RH | W | EPT | H | 3/29 6 0 GMT T | RH | W | EPT | H | 3/29 9 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.7 | 0 | 0.0 | 466.0 | 19570 | -67.7 | 0 | 0.0 | 459.4 | 19530 | -67.7 | 0 | 0.0 | 459.4 | 19513 | -69.0 | 0 | 0.0 | 456.5 | 19543 | 60 |
| 70 | -70.6 | 0 | 0.0 | 433.3 | 18644 | -70.3 | 0 | 0.0 | 434.0 | 18608 | -71.5 | 0 | 0.0 | 431.4 | 18594 | -70.5 | 0 | 0.0 | 433.6 | 18625 | 70 |
| 80 | -74.6 | 22 | .0 | 409.0 | 17861 | -75.6 | 0 | 0.0 | 406.9 | 17827 | -77.9 | 0 | 0.0 | 402.1 | 17817 | -77.8 | 0 | 0.0 | 402.3 | 17843 | 80 |
| 90 | -74.8 | 23 | .0 | 394.9 | 17177 | -76.4 | 31 | .0 | 391.8 | 17147 | -77.9 | 33 | .0 | 388.8 | 17144 | -76.6 | 0 | 0.0 | 391.3 | 17167 | 90 |
| 100 | -75.1 | 24 | .0 | 382.7 | 16565 | -76.4 | 31 | .0 | 380.2 | 16540 | -77.0 | 33 | .0 | 379.0 | 16541 | -78.3 | 34 | .0 | 376.5 | 16562 | 100 |
| 110 | -77.3 | 24 | .0 | 368.3 | 16018 | -77.0 | 32 | .0 | 368.8 | 15992 | -78.1 | 33 | .0 | 366.7 | 15995 | -76.5 | 34 | .0 | 369.7 | 16016 | 110 |
| 120 | -76.0 | 24 | .0 | 361.5 | 15517 | -76.7 | 32 | .0 | 360.3 | 15492 | -75.9 | 33 | .0 | 361.7 | 15495 | -74.9 | 34 | .0 | 363.6 | 15512 | 120 |
| 130 | -72.7 | 24 | .0 | 359.3 | 15051 | -73.2 | 31 | .0 | 358.4 | 15028 | -73.9 | 33 | .0 | 357.2 | 15030 | -73.4 | 34 | .0 | 358.0 | 15046 | 130 |
| 140 | -69.6 | 24 | .0 | 357.3 | 14613 | -70.0 | 31 | .0 | 356.5 | 14590 | -71.9 | 33 | .0 | 353.3 | 14595 | -70.6 | 34 | .0 | 355.5 | 14610 | 140 |
| 150 | -66.7 | 24 | .0 | 355.3 | 14199 | -69.5 | 31 | .0 | 350.4 | 14179 | -68.6 | 33 | .0 | 352.0 | 14185 | -67.3 | 34 | .0 | 354.2 | 14197 | 150 |
| 160 | -63.9 | 24 | .0 | 353.4 | 13806 | -66.0 | 31 | .0 | 349.9 | 13790 | -65.5 | 33 | .0 | 350.8 | 13796 | -64.2 | 34 | .0 | 353.0 | 13805 | 160 |
| 170 | -62.7 | 23 | .0 | 349.3 | 13433 | -62.7 | 31 | .0 | 349.4 | 13420 | -62.6 | 33 | .0 | 349.6 | 13425 | -61.4 | 34 | .0 | 351.7 | 13432 | 170 |
| 180 | -59.9 | 22 | .0 | 348.3 | 13079 | -59.6 | 31 | .0 | 348.8 | 13065 | -59.7 | 33 | .0 | 348.8 | 13070 | -58.6 | 35 | .0 | 350.4 | 13075 | 180 |
| 190 | -56.7 | 23 | .0 | 348.2 | 12739 | -56.7 | 31 | .0 | 348.2 | 12724 | -56.7 | 33 | .0 | 348.2 | 12729 | -56.1 | 35 | .0 | 349.2 | 12733 | 190 |
| 200 | -53.5 | 23 | .0 | 348.1 | 12411 | -53.9 | 31 | .0 | 347.6 | 12397 | -53.9 | 32 | .0 | 347.6 | 12402 | -53.6 | 35 | .0 | 348.0 | 12405 | 200 |
| 225 | -46.4 | 24 | .1 | 347.7 | 11641 | -47.4 | 32 | .1 | 346.2 | 11630 | -47.3 | 32 | .1 | 346.4 | 11635 | -47.9 | 36 | .1 | 345.4 | 11639 | 225 |
| 250 | -40.7 | 22 | .1 | 346.0 | 10933 | -41.5 | 33 | .1 | 345.0 | 10924 | -41.7 | 41 | .2 | 344.8 | 10929 | -42.2 | 43 | .2 | 343.9 | 10935 | 250 |
| 275 | -35.7 | 21 | .1 | 344.1 | 10277 | -36.1 | 34 | .2 | 343.8 | 10270 | -36.5 | 21 | .1 | 342.8 | 10275 | -37.0 | 48 | .3 | 342.7 | 10283 | 275 |
| 300 | -31.2 | 19 | .2 | 342.2 | 9666 | -31.2 | 35 | .3 | 342.8 | 9659 | -32.0 | 25 | .2 | 341.2 | 9667 | -31.1 | 42 | .4 | 343.2 | 9674 | 300 |
| 325 | -27.0 | 17 | .2 | 340.4 | 9094 | -26.8 | 45 | .6 | 342.0 | 9087 | -27.8 | 36 | .4 | 340.0 | 9096 | -27.6 | 49 | .6 | 340.9 | 9102 | 325 |
| 350 | -24.8 | 19 | .3 | 336.4 | 8558 | -24.5 | 19 | .3 | 336.9 | 8549 | -23.3 | 50 | .8 | 340.6 | 8559 | -24.1 | 77 | 1.2 | 340.7 | 8565 | 350 |
| 375 | -20.9 | 20 | .4 | 335.4 | 8052 | -21.1 | 17 | .3 | 335.0 | 8043 | -21.8 | 51 | .9 | 336.2 | 8052 | -20.7 | 84 | 1.6 | 340.1 | 8058 | 375 |
| 400 | -17.3 | 21 | .5 | 334.5 | 7572 | -17.7 | 18 | .4 | 333.6 | 7564 | -18.0 | 28 | .6 | 334.0 | 7573 | -17.5 | 34 | .8 | 335.3 | 7578 | 400 |
| 425 | -14.7 | 21 | .6 | 332.4 | 7115 | -13.7 | 17 | .5 | 333.5 | 7106 | -14.1 | 23 | .7 | 333.4 | 7117 | -14.1 | 17 | .5 | 332.8 | 7121 | 425 |
| 450 | -11.2 | 20 | .7 | 331.7 | 6679 | -10.5 | 18 | .7 | 332.6 | 6669 | -10.5 | 18 | .7 | 332.6 | 6680 | -10.5 | 13 | .5 | 331.9 | 6684 | 450 |
| 475 | -7.9 | 19 | .8 | 331.2 | 6262 | -7.6 | 18 | .8 | 331.6 | 6251 | -8.1 | 27 | 1.2 | 332.1 | 6262 | -7.3 | 11 | .5 | 330.8 | 6266 | 475 |
| 500 | -4.8 | 18 | 1.0 | 330.6 | 5861 | -4.9 | 19 | 1.0 | 330.7 | 5850 | -4.7 | 22 | 1.2 | 331.6 | 5861 | -4.8 | 12 | .6 | 329.6 | 5864 | 500 |
| 525 | -2.0 | 18 | 1.1 | 330.0 | 5475 | -2.3 | 20 | 1.2 | 330.0 | 5464 | -1.8 | 20 | 1.3 | 330.9 | 5475 | -2.3 | 12 | .8 | 328.4 | 5479 | 525 |
| 550 | .6 | 18 | 1.3 | 329.5 | 5104 | .2 | 20 | 1.4 | 329.3 | 5093 | 1.0 | 21 | 1.5 | 330.6 | 5103 | -.1 | 14 | 1.0 | 327.5 | 5108 | 550 |
| 575 | 3.1 | 18 | 1.5 | 328.8 | 4745 | 2.5 | 21 | 1.7 | 328.7 | 4736 | 2.6 | 26 | 2.1 | 330.1 | 4745 | 1.0 | 29 | 2.1 | 328.2 | 4752 | 575 |
| 600 | 5.1 | 18 | 1.6 | 327.8 | 4400 | 4.3 | 23 | 2.0 | 327.8 | 4390 | 3.7 | 30 | 2.5 | 328.8 | 4400 | 3.2 | 22 | 1.8 | 326.0 | 4408 | 600 |
| 625 | 7.1 | 18 | 1.8 | 326.8 | 4065 | 6.2 | 16 | 1.6 | 325.0 | 4057 | 5.8 | 18 | 1.7 | 324.8 | 4067 | 5.7 | 15 | 1.4 | 323.8 | 4076 | 625 |
| 650 | 9.0 | 18 | 2.0 | 325.9 | 3742 | 8.1 | 25 | 2.6 | 326.7 | 3735 | 7.7 | 23 | 2.3 | 325.3 | 3745 | 7.6 | 27 | 2.7 | 326.6 | 3754 | 650 |
| 675 | 10.7 | 20 | 2.4 | 325.8 | 3429 | 9.8 | 27 | 3.0 | 326.5 | 3423 | 9.5 | 28 | 3.1 | 326.5 | 3433 | 9.5 | 38 | 4.2 | 329.9 | 3442 | 675 |
| 700 | 11.9 | 31 | 3.8 | 327.9 | 3125 | 11.3 | 33 | 3.9 | 327.7 | 3120 | 10.8 | 55 | 6.3 | 334.2 | 3131 | 9.8 | 77 | 8.4 | 339.2 | 3140 | 700 |
| 725 | 12.2 | 55 | 6.8 | 334.0 | 2831 | 11.9 | 74 | 9.0 | 339.8 | 2826 | 11.4 | 94 | 11.0 | 345.2 | 2837 | 11.3 | 64 | 7.4 | 334.7 | 2847 | 725 |
| 750 | 13.9 | 50 | 6.6 | 332.0 | 2546 | 13.8 | 65 | 8.7 | 338.0 | 2541 | 13.1 | 67 | 8.5 | 336.6 | 2552 | 13.2 | 57 | 7.2 | 333.0 | 2562 | 750 |
| 775 | 15.5 | 42 | 6.1 | 329.3 | 2268 | 15.8 | 49 | 7.2 | 332.8 | 2263 | 14.5 | 56 | 7.5 | 332.1 | 2275 | 15.2 | 63 | 8.9 | 337.1 | 2285 | 775 |
| 800 | 16.8 | 43 | 6.5 | 328.9 | 1998 | 16.8 | 53 | 8.0 | 333.5 | 1992 | 15.7 | 63 | 8.9 | 334.6 | 2006 | 16.7 | 45 | 6.7 | 329.5 | 2015 | 800 |
| 825 | 17.7 | 51 | 7.9 | 331.0 | 1735 | 17.9 | 56 | 8.7 | 333.7 | 1729 | 18.2 | 38 | 6.1 | 326.5 | 1743 | 17.8 | 37 | 5.8 | 325.1 | 1752 | 825 |
| 850 | 18.7 | 45 | 7.2 | 327.5 | 1480 | 19.3 | 38 | 6.3 | 325.7 | 1473 | 19.8 | 40 | 6.8 | 327.7 | 1487 | 18.7 | 35 | 5.5 | 322.7 | 1497 | 850 |
| 875 | 19.9 | 45 | 7.5 | 326.9 | 1230 | 20.1 | 46 | 7.8 | 328.1 | 1223 | 20.6 | 51 | 9.0 | 331.9 | 1236 | 18.7 | 65 | 10.2 | 333.0 | 1248 | 875 |
| 900 | 21.0 | 49 | 8.6 | 328.6 | 987 | 20.9 | 54 | 9.3 | 330.5 | 980 | 20.2 | 70 | 11.7 | 336.4 | 993 | 18.7 | 98 | 14.9 | 343.1 | 1005 | 900 |
| 925 | 22.1 | 54 | 9.8 | 330.5 | 749 | 20.0 | 79 | 12.7 | 336.0 | 743 | 19.6 | 85 | 13.4 | 337.5 | 756 | 20.3 | 95 | 15.7 | 344.6 | 768 | 925 |
| 950 | 23.1 | 58 | 11.0 | 332.4 | 517 | 22.0 | 75 | 13.2 | 337.2 | 511 | 21.5 | 86 | 14.7 | 340.7 | 525 | 21.9 | 94 | 16.5 | 346.1 | 536 | 950 |
| 975 | 24.1 | 62 | 12.2 | 334.5 | 289 | 23.9 | 70 | 13.6 | 338.2 | 284 | 23.3 | 86 | 16.1 | 344.3 | 298 | 23.4 | 92 | 17.3 | 347.6 | 309 | 975 |
| 1000 | 26.4 | 68 | 14.8 | 341.9 | 67 | 26.8 | 71 | 16.0 | 345.6 | 61 | 25.2 | 86 | 17.6 | 348.0 | 75 | 24.9 | 90 | 18.1 | 349.0 | 86 | 1000 |
| SFC. | 29.8 | 72 | 19.2 | 357.8 | 0 | 29.0 | 78 | 19.9 | 358.7 | 0 | 25.8 | 86 | 18.1 | 349.3 | 0 | 25.5 | 89 | 18.4 | 349.6 | 0 | SFC. |
| | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1006.9 | | | | | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1009.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/29 12 0 GMT | | | | | 3/29 1750 GMT | | | | | 3/29 2345 GMT | | | | | 3/30 6 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -66.9 | 0 | 0.0 | 461.2 | 19375 | -63.4 | 0 | 0.0 | 469.0 | 19564 | -66.1 | 0 | 0.0 | 463.0 | 19541 | -65.1 | 0 | 0.0 | 465.2 | 19548 | 60 |
| 70 | -75.1 | 0 | 0.0 | 423.8 | 18467 | -71.4 | 0 | 0.0 | 431.7 | 18635 | -69.8 | 23 | .0 | 435.1 | 18621 | -70.6 | 0 | 0.0 | 433.3 | 18617 | 70 |
| 80 | -79.0 | 0 | 0.0 | 399.8 | 17700 | -78.3 | 25 | .0 | 401.3 | 17860 | -79.4 | 24 | .0 | 398.9 | 17843 | -70.5 | 39 | .0 | 417.4 | 17828 | 80 |
| 90 | -78.2 | 46 | .0 | 388.3 | 17029 | -75.9 | 25 | .0 | 392.7 | 17183 | -80.3 | 24 | .0 | 384.0 | 17177 | -80.6 | 39 | .0 | 383.4 | 17158 | 90 |
| 100 | -76.2 | 46 | .0 | 380.6 | 16425 | -73.8 | 25 | .0 | 385.2 | 16572 | -78.4 | 24 | .0 | 376.3 | 16579 | -79.2 | 38 | .0 | 374.7 | 16562 | 100 |
| 110 | -77.5 | 46 | .0 | 367.9 | 15877 | -74.2 | 25 | .0 | 374.0 | 16016 | -75.6 | 24 | .0 | 371.5 | 16031 | -76.7 | 38 | .0 | 369.4 | 16017 | 110 |
| 120 | -76.4 | 46 | .0 | 360.8 | 15377 | -74.7 | 25 | .0 | 364.0 | 15509 | -74.0 | 24 | .0 | 365.2 | 15525 | -74.4 | 38 | .0 | 364.6 | 15513 | 120 |
| 130 | -74.8 | 46 | .0 | 355.6 | 14915 | -71.8 | 25 | .0 | 360.8 | 15041 | -71.3 | 24 | .0 | 361.9 | 15055 | -72.1 | 38 | .0 | 360.4 | 15045 | 130 |
| 140 | -71.6 | 46 | .0 | 353.8 | 14481 | -68.9 | 26 | .0 | 358.5 | 14601 | -68.5 | 24 | .0 | 359.1 | 14614 | -69.8 | 38 | .0 | 357.0 | 14606 | 140 |
| 150 | -68.6 | 46 | .0 | 352.0 | 14070 | -66.1 | 26 | .0 | 356.2 | 14186 | -65.6 | 24 | .0 | 357.2 | 14198 | -67.6 | 38 | .0 | 353.7 | 14193 | 150 |
| 160 | -65.8 | 46 | .0 | 350.3 | 13681 | -63.6 | 26 | .0 | 354.1 | 13792 | -62.7 | 24 | .0 | 355.4 | 13803 | -64.5 | 37 | .0 | 352.4 | 13801 | 160 |
| 170 | -63.2 | 46 | .0 | 348.7 | 13310 | -61.2 | 26 | .0 | 352.0 | 13418 | -60.1 | 24 | .0 | 353.8 | 13427 | -61.7 | 37 | .0 | 351.2 | 13429 | 170 |
| 180 | -60.8 | 46 | .0 | 346.9 | 12957 | -58.9 | 27 | .0 | 350.0 | 13061 | -57.0 | 24 | .0 | 353.1 | 13068 | -59.0 | 37 | .0 | 349.9 | 13072 | 180 |
| 190 | -58.3 | 46 | .0 | 345.6 | 12619 | -56.7 | 27 | .0 | 348.1 | 12720 | -54.1 | 24 | .0 | 352.3 | 12723 | -56.4 | 36 | .0 | 348.7 | 12731 | 190 |
| 200 | -55.6 | 46 | .0 | 345.0 | 12294 | -54.1 | 27 | .0 | 347.3 | 12393 | -52.9 | 24 | .0 | 349.1 | 12394 | -53.7 | 38 | .0 | 348.0 | 12404 | 200 |
| 225 | -49.2 | 47 | .1 | 343.6 | 11532 | -47.3 | 29 | .1 | 346.3 | 11626 | -46.1 | 23 | .1 | 348.1 | 11622 | -47.2 | 46 | .1 | 346.6 | 11635 | 225 |
| 250 | -43.4 | 47 | .2 | 342.1 | 10833 | -41.3 | 30 | .1 | 345.2 | 10920 | -40.1 | 22 | .1 | 346.9 | 10912 | -41.9 | 57 | .2 | 344.7 | 10930 | 250 |
| 275 | -38.4 | 57 | .3 | 340.7 | 10184 | -36.2 | 36 | .2 | 343.7 | 10265 | -35.5 | 22 | .1 | 344.4 | 10255 | -36.7 | 59 | .4 | 343.5 | 10277 | 275 |
| 300 | -33.9 | 67 | .5 | 339.5 | 9580 | -31.5 | 41 | .4 | 342.5 | 9655 | -31.0 | 33 | .3 | 343.0 | 9643 | -31.9 | 61 | .5 | 342.5 | 9669 | 300 |
| 325 | -29.1 | 65 | .7 | 339.2 | 9014 | -27.2 | 46 | .6 | 341.4 | 9084 | -26.6 | 44 | .6 | 342.3 | 9070 | -27.5 | 73 | .9 | 342.2 | 9098 | 325 |
| 350 | -25.6 | 83 | 1.1 | 338.4 | 8480 | -23.4 | 51 | .8 | 340.4 | 8546 | -24.4 | 46 | .7 | 338.4 | 8533 | -23.1 | 64 | 1.1 | 341.6 | 8560 | 350 |
| 375 | -23.0 | 93 | 1.5 | 336.5 | 7977 | -20.8 | 58 | 1.1 | 338.2 | 8038 | -20.4 | 44 | .9 | 338.0 | 8026 | -20.2 | 71 | 1.5 | 340.1 | 8051 | 375 |
| 400 | -19.5 | 29 | .6 | 331.9 | 7501 | -18.0 | 45 | 1.0 | 335.4 | 7558 | -17.3 | 28 | .7 | 335.1 | 7545 | -17.3 | 74 | 1.8 | 339.0 | 7570 | 400 |
| 425 | -15.7 | 23 | .6 | 331.1 | 7047 | -13.7 | 22 | .7 | 333.9 | 7101 | -13.7 | 26 | .8 | 334.4 | 7087 | -14.0 | 29 | .9 | 334.2 | 7112 | 425 |
| 450 | -12.2 | 18 | .6 | 330.2 | 6613 | -10.0 | 18 | .7 | 333.4 | 6664 | -10.3 | 23 | .9 | 333.7 | 6650 | -10.1 | 20 | .8 | 333.5 | 6675 | 450 |
| 475 | -9.2 | 20 | .8 | 329.4 | 6197 | -7.0 | 18 | .9 | 332.5 | 6244 | -7.3 | 23 | 1.1 | 332.9 | 6231 | -6.7 | 15 | .7 | 332.4 | 6256 | 475 |
| 500 | -6.4 | 21 | 1.0 | 328.9 | 5798 | -4.2 | 19 | 1.0 | 331.7 | 5842 | -4.9 | 27 | 1.4 | 332.1 | 5830 | -4.5 | 22 | 1.2 | 331.8 | 5853 | 500 |
| 525 | -3.7 | 23 | 1.3 | 328.4 | 5415 | -1.8 | 19 | 1.2 | 330.7 | 5456 | -2.6 | 30 | 1.8 | 331.5 | 5444 | -2.3 | 28 | 1.7 | 331.6 | 5468 | 525 |
| 550 | -1.7 | 27 | 1.7 | 327.8 | 5046 | -.1 | 20 | 1.4 | 328.9 | 5085 | -.7 | 30 | 2.0 | 330.1 | 5074 | -1.1 | 30 | 1.9 | 329.3 | 5097 | 550 |
| 575 | -.6 | 35 | 2.2 | 326.7 | 4692 | 1.5 | 21 | 1.6 | 327.2 | 4728 | 1.0 | 29 | 2.1 | 328.1 | 4718 | 1.2 | 25 | 1.8 | 327.7 | 4741 | 575 |
| 600 | 1.5 | 25 | 1.8 | 323.8 | 4350 | 3.1 | 28 | 2.3 | 327.3 | 4384 | 3.0 | 30 | 2.4 | 327.5 | 4374 | 3.5 | 21 | 1.7 | 326.0 | 4398 | 600 |
| 625 | 3.8 | 19 | 1.5 | 322.0 | 4020 | 5.5 | 27 | 2.4 | 326.9 | 4052 | 5.2 | 32 | 2.8 | 327.6 | 4043 | 5.6 | 20 | 1.8 | 325.0 | 4065 | 625 |
| 650 | 5.8 | 34 | 3.0 | 325.4 | 3701 | 7.7 | 29 | 3.0 | 327.4 | 3730 | 7.3 | 33 | 3.2 | 327.9 | 3721 | 7.6 | 41 | 4.1 | 330.8 | 3743 | 650 |
| 675 | 7.6 | 33 | 3.1 | 324.3 | 3390 | 9.2 | 28 | 3.0 | 325.8 | 3419 | 9.3 | 35 | 3.7 | 328.1 | 3409 | 10.1 | 34 | 3.8 | 329.4 | 3431 | 675 |
| 700 | 8.2 | 68 | 6.6 | 331.8 | 3090 | 10.6 | 46 | 5.3 | 330.9 | 3116 | 10.7 | 37 | 4.3 | 328.0 | 3107 | 12.0 | 50 | 6.3 | 335.6 | 3127 | 700 |
| 725 | 9.2 | 83 | 8.4 | 334.8 | 2799 | 12.1 | 49 | 6.0 | 331.5 | 2823 | 12.1 | 39 | 4.8 | 328.0 | 2814 | 13.5 | 45 | 6.0 | 333.3 | 2832 | 725 |
| 750 | 11.0 | 69 | 7.6 | 331.4 | 2517 | 13.6 | 46 | 6.0 | 330.0 | 2538 | 13.5 | 42 | 5.4 | 328.1 | 2529 | 15.0 | 40 | 5.7 | 330.9 | 2546 | 750 |
| 775 | 12.5 | 59 | 7.0 | 328.4 | 2242 | 14.7 | 49 | 6.7 | 330.1 | 2261 | 14.8 | 44 | 6.0 | 328.2 | 2252 | 16.5 | 35 | 5.3 | 328.3 | 2268 | 775 |
| 800 | 13.9 | 52 | 6.5 | 325.7 | 1975 | 15.7 | 46 | 6.4 | 327.4 | 1992 | 16.8 | 38 | 5.7 | 326.6 | 1982 | 17.9 | 31 | 4.9 | 325.7 | 1997 | 800 |
| 825 | 15.8 | 41 | 5.6 | 322.3 | 1714 | 16.8 | 37 | 5.4 | 322.9 | 1730 | 17.7 | 38 | 5.9 | 325.4 | 1720 | 19.2 | 26 | 4.4 | 322.9 | 1733 | 825 |
| 850 | 16.9 | 46 | 6.5 | 323.5 | 1460 | 17.1 | 53 | 7.7 | 326.8 | 1475 | 18.2 | 42 | 6.6 | 325.1 | 1464 | 20.0 | 32 | 5.5 | 324.1 | 1477 | 850 |
| 875 | 16.6 | 66 | 9.0 | 327.4 | 1213 | 17.3 | 68 | 9.8 | 330.3 | 1228 | 18.5 | 53 | 8.2 | 327.1 | 1216 | 20.7 | 41 | 7.1 | 326.8 | 1226 | 875 |
| 900 | 16.5 | 88 | 11.7 | 331.7 | 973 | 18.4 | 75 | 11.1 | 332.5 | 986 | 18.9 | 63 | 9.6 | 329.0 | 974 | 21.2 | 52 | 9.2 | 330.5 | 983 | 900 |
| 925 | 17.7 | 93 | 12.9 | 333.9 | 738 | 19.7 | 77 | 12.1 | 334.1 | 750 | 20.4 | 66 | 10.7 | 331.2 | 737 | 20.7 | 91 | 15.3 | 343.9 | 745 | 925 |
| 950 | 19.5 | 90 | 13.6 | 335.3 | 508 | 21.4 | 74 | 12.5 | 334.6 | 519 | 21.1 | 73 | 12.1 | 333.0 | 506 | 22.3 | 90 | 16.3 | 346.2 | 513 | 950 |
| 975 | 21.2 | 87 | 14.3 | 336.7 | 283 | 22.8 | 79 | 14.2 | 338.3 | 293 | 23.1 | 71 | 13.1 | 335.6 | 280 | 24.0 | 89 | 17.4 | 348.5 | 285 | 975 |
| 1000 | 23.6 | 83 | 15.5 | 340.4 | 62 | 25.4 | 79 | 16.3 | 344.9 | 71 | 26.0 | 72 | 15.4 | 343.0 | 58 | 25.6 | 88 | 18.5 | 351.0 | 62 | 1000 |
| SFC. | 27.0 | 78 | 17.7 | 349.8 | 0 | 26.8 | 81 | 18.1 | 350.7 | 0 | 28.7 | 75 | 18.8 | 355.3 | 0 | 26.0 | 88 | 18.8 | 351.6 | 0 | SFC. |
| | SURFACE PRESSURE 1007.1 | | | | | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1006.5 | | | | | SURFACE PRESSURE 1007.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 3/30 1220 GMT T | RH | W | EPT | H | 3/30 1755 GMT T | RH | W | EPT | H | 3/31 0 2 GMT T | RH | W | EPT | H | 3/31 655 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.0 | 0 | 0.0 | 469.8 | 19454 | -63.7 | 0 | 0.0 | 468.3 | 19509 | -62.2 | 0 | 0.0 | 471.7 | 19544 | -63.9 | 0 | 0.0 | 467.9 | 19479 | 60 |
| 70 | -72.9 | 0 | 0.0 | 428.5 | 18529 | -74.8 | 0 | 0.0 | 424.4 | 18589 | -69.2 | 24 | .0 | 436.5 | 18599 | -66.9 | 44 | .0 | 441.5 | 18542 | 70 |
| 80 | -75.6 | 43 | .0 | 406.9 | 17746 | -76.8 | 26 | .0 | 404.4 | 17817 | -74.2 | 24 | .0 | 409.7 | 17817 | -75.2 | 45 | .0 | 407.6 | 17750 | 80 |
| 90 | -82.9 | 43 | .0 | 378.9 | 17079 | -79.9 | 26 | .0 | 384.7 | 17145 | -76.9 | 25 | .0 | 390.8 | 17133 | -77.3 | 45 | .0 | 389.9 | 17071 | 90 |
| 100 | -79.6 | 43 | .0 | 374.0 | 16487 | -78.3 | 28 | .0 | 376.5 | 16546 | -80.1 | 26 | .0 | 373.0 | 16536 | -79.2 | 45 | .0 | 374.7 | 16470 | 100 |
| 110 | -77.4 | 43 | .0 | 368.0 | 15944 | -78.1 | 28 | .0 | 366.7 | 16002 | -79.2 | 26 | .0 | 364.6 | 15997 | -80.4 | 45 | .0 | 362.4 | 15930 | 110 |
| 120 | -75.2 | 43 | .0 | 363.1 | 15442 | -74.3 | 27 | .0 | 364.8 | 15500 | -75.0 | 26 | .0 | 363.4 | 15498 | -76.6 | 45 | .0 | 360.4 | 15434 | 120 |
| 130 | -72.2 | 42 | .0 | 360.2 | 14975 | -70.7 | 27 | .0 | 362.8 | 15030 | -71.1 | 25 | .0 | 362.1 | 15029 | -72.6 | 45 | .0 | 359.4 | 14969 | 130 |
| 140 | -69.2 | 42 | .0 | 358.0 | 14535 | -68.9 | 27 | .0 | 358.5 | 14589 | -68.0 | 25 | .0 | 360.0 | 14587 | -69.0 | 45 | .0 | 358.4 | 14530 | 140 |
| 150 | -67.0 | 42 | .0 | 354.8 | 14121 | -65.8 | 27 | .0 | 356.8 | 14173 | -65.7 | 26 | .0 | 357.0 | 14170 | -68.3 | 46 | .0 | 352.4 | 14116 | 150 |
| 160 | -65.1 | 43 | .0 | 351.4 | 13730 | -62.8 | 28 | .0 | 355.4 | 13778 | -63.4 | 26 | .0 | 354.3 | 13775 | -66.2 | 46 | .0 | 349.6 | 13727 | 160 |
| 170 | -62.0 | 43 | .0 | 350.5 | 13358 | -60.0 | 28 | .0 | 354.0 | 13402 | -61.3 | 27 | .0 | 351.7 | 13401 | -63.9 | 47 | .0 | 347.5 | 13358 | 170 |
| 180 | -59.1 | 42 | .0 | 349.7 | 13002 | -57.3 | 29 | .0 | 352.7 | 13043 | -59.4 | 27 | .0 | 349.2 | 13045 | -62.0 | 48 | .0 | 344.9 | 13006 | 180 |
| 190 | -56.4 | 42 | .0 | 348.8 | 12661 | -55.0 | 30 | .0 | 350.9 | 12699 | -57.5 | 28 | .0 | 346.9 | 12705 | -59.6 | 48 | .0 | 343.5 | 12670 | 190 |
| 200 | -53.8 | 42 | .1 | 347.9 | 12333 | -53.2 | 31 | .0 | 348.8 | 12370 | -55.6 | 28 | .0 | 344.8 | 12380 | -56.8 | 49 | .0 | 343.0 | 12347 | 200 |
| 225 | -48.8 | 43 | .1 | 344.1 | 11568 | -47.9 | 32 | .1 | 345.5 | 11603 | -48.8 | 29 | .1 | 343.9 | 11618 | -50.3 | 51 | .1 | 341.8 | 11589 | 225 |
| 250 | -42.8 | 43 | .2 | 343.0 | 10867 | -42.0 | 32 | .1 | 344.2 | 10899 | -42.8 | 30 | .1 | 342.9 | 10916 | -44.0 | 52 | .2 | 341.3 | 10892 | 250 |
| 275 | -38.0 | 53 | .3 | 341.3 | 10217 | -36.7 | 32 | .2 | 342.9 | 10246 | -37.3 | 31 | .2 | 341.9 | 10266 | -38.3 | 53 | .3 | 340.8 | 10244 | 275 |
| 300 | -32.9 | 57 | .5 | 340.9 | 9611 | -31.8 | 32 | .3 | 341.6 | 9638 | -32.3 | 32 | .3 | 340.9 | 9658 | -33.1 | 54 | .4 | 340.4 | 9639 | 300 |
| 325 | -28.6 | 67 | .8 | 340.1 | 9042 | -28.1 | 43 | .5 | 339.9 | 9068 | -27.7 | 32 | .4 | 340.0 | 9088 | -28.9 | 24 | .3 | 337.9 | 9072 | 325 |
| 350 | -24.4 | 71 | 1.1 | 339.8 | 8507 | -23.7 | 43 | .7 | 339.4 | 8531 | -23.8 | 36 | .6 | 338.8 | 8551 | -24.9 | 18 | .3 | 336.2 | 8537 | 350 |
| 375 | -20.6 | 74 | 1.5 | 339.7 | 8000 | -19.9 | 39 | .8 | 338.3 | 8023 | -20.1 | 39 | .8 | 337.9 | 8044 | -21.5 | 49 | .9 | 336.5 | 8032 | 375 |
| 400 | -18.7 | 59 | 1.3 | 335.3 | 7520 | -15.9 | 36 | 1.0 | 338.0 | 7541 | -16.3 | 38 | 1.0 | 337.6 | 7562 | -17.0 | 23 | .6 | 335.1 | 7552 | 400 |
| 425 | -15.6 | 38 | 1.0 | 332.7 | 7066 | -13.2 | 45 | 1.5 | 337.3 | 7081 | -12.4 | 33 | 1.2 | 337.2 | 7102 | -12.9 | 17 | .6 | 334.6 | 7094 | 425 |
| 450 | -11.6 | 29 | 1.0 | 332.3 | 6631 | -10.6 | 33 | 1.2 | 334.4 | 6643 | -9.4 | 20 | .8 | 334.5 | 6662 | -11.1 | 26 | .9 | 332.8 | 6656 | 450 |
| 475 | -7.9 | 19 | .9 | 331.3 | 6214 | -8.0 | 31 | 1.3 | 332.9 | 6225 | -7.2 | 16 | .8 | 331.9 | 6243 | -8.3 | 10 | .4 | 329.4 | 6239 | 475 |
| 500 | -6.2 | 22 | 1.1 | 329.3 | 5813 | -5.5 | 28 | 1.4 | 331.4 | 5825 | -5.1 | 18 | .9 | 330.3 | 5842 | -7.1 | 11 | .5 | 326.2 | 5840 | 500 |
| 525 | -5.1 | 28 | 1.4 | 327.2 | 5431 | -4.7 | 34 | 1.7 | 328.7 | 5442 | -2.9 | 20 | 1.2 | 329.1 | 5457 | -4.5 | 12 | .6 | 325.4 | 5458 | 525 |
| 550 | -3.1 | 34 | 1.9 | 326.9 | 5064 | -2.3 | 36 | 2.1 | 328.4 | 5074 | -.6 | 24 | 1.6 | 328.9 | 5087 | -2.0 | 14 | .8 | 324.6 | 5090 | 550 |
| 575 | -.9 | 28 | 1.8 | 325.0 | 4711 | -.1 | 38 | 2.5 | 328.3 | 4719 | 1.7 | 27 | 2.0 | 329.0 | 4730 | .3 | 16 | 1.0 | 324.0 | 4735 | 575 |
| 600 | 1.8 | 42 | 3.0 | 328.2 | 4369 | 2.1 | 40 | 3.0 | 328.3 | 4377 | 3.9 | 31 | 2.6 | 329.2 | 4385 | 2.5 | 17 | 1.3 | 323.6 | 4393 | 600 |
| 625 | 4.5 | 54 | 4.6 | 332.2 | 4038 | 4.3 | 48 | 4.0 | 330.1 | 4046 | 5.9 | 34 | 3.2 | 329.7 | 4052 | 4.7 | 18 | 1.6 | 323.2 | 4062 | 625 |
| 650 | 6.8 | 41 | 3.9 | 329.3 | 3717 | 6.5 | 48 | 4.5 | 330.6 | 3725 | 7.8 | 37 | 3.7 | 330.0 | 3730 | 6.7 | 20 | 1.9 | 322.9 | 3741 | 650 |
| 675 | 8.6 | 37 | 3.9 | 327.8 | 3406 | 8.5 | 36 | 3.7 | 327.2 | 3414 | 9.3 | 39 | 4.2 | 329.7 | 3418 | 8.6 | 23 | 2.3 | 323.0 | 3430 | 675 |
| 700 | 9.2 | 54 | 5.6 | 330.3 | 3104 | 9.0 | 54 | 5.6 | 329.9 | 3113 | 10.8 | 41 | 4.7 | 329.5 | 3115 | 9.2 | 51 | 5.3 | 329.4 | 3129 | 700 |
| 725 | 11.7 | 43 | 5.1 | 328.2 | 2812 | 11.4 | 45 | 5.3 | 328.5 | 2821 | 12.7 | 40 | 5.1 | 329.5 | 2822 | 10.6 | 85 | 9.4 | 339.4 | 2837 | 725 |
| 750 | 14.0 | 31 | 4.1 | 324.9 | 2527 | 13.4 | 42 | 5.4 | 327.9 | 2537 | 14.6 | 39 | 5.5 | 329.6 | 2536 | 12.1 | 87 | 10.4 | 340.8 | 2553 | 750 |
| 775 | 15.2 | 28 | 3.9 | 322.6 | 2250 | 14.5 | 52 | 7.0 | 330.7 | 2260 | 16.4 | 39 | 5.8 | 329.6 | 2258 | 13.6 | 89 | 11.4 | 342.3 | 2276 | 775 |
| 800 | 16.2 | 26 | 3.8 | 320.3 | 1981 | 15.6 | 53 | 7.4 | 330.3 | 1991 | 18.2 | 38 | 6.2 | 329.7 | 1987 | 15.1 | 92 | 12.5 | 343.9 | 2007 | 800 |
| 825 | 16.8 | 35 | 5.1 | 322.2 | 1719 | 16.1 | 65 | 9.0 | 332.4 | 1729 | 19.8 | 37 | 6.6 | 329.8 | 1723 | 16.5 | 93 | 13.4 | 345.4 | 1745 | 825 |
| 850 | 17.0 | 54 | 7.8 | 327.2 | 1465 | 16.1 | 87 | 11.8 | 337.2 | 1474 | 20.3 | 45 | 8.0 | 331.8 | 1465 | 17.9 | 93 | 14.3 | 346.4 | 1489 | 850 |
| 875 | 16.5 | 92 | 12.6 | 337.0 | 1217 | 17.0 | 92 | 12.9 | 338.5 | 1227 | 20.8 | 53 | 9.5 | 333.6 | 1215 | 19.3 | 93 | 15.1 | 347.5 | 1239 | 875 |
| 900 | 18.2 | 90 | 13.2 | 338.0 | 976 | 18.7 | 89 | 13.6 | 339.8 | 985 | 21.3 | 61 | 10.9 | 335.4 | 970 | 20.6 | 93 | 15.9 | 348.6 | 995 | 900 |
| 925 | 19.8 | 87 | 13.8 | 338.9 | 739 | 20.4 | 87 | 14.3 | 340.9 | 748 | 21.8 | 68 | 12.2 | 337.0 | 732 | 21.9 | 92 | 16.8 | 349.8 | 756 | 925 |
| 950 | 21.4 | 85 | 14.5 | 340.2 | 508 | 22.0 | 84 | 15.0 | 342.1 | 516 | 23.0 | 70 | 13.2 | 338.4 | 500 | 23.2 | 92 | 17.7 | 351.0 | 523 | 950 |
| 975 | 23.4 | 85 | 16.0 | 344.2 | 281 | 23.6 | 82 | 15.6 | 343.2 | 289 | 24.8 | 67 | 13.7 | 339.4 | 272 | 24.4 | 92 | 18.5 | 352.2 | 294 | 975 |
| 1000 | 25.4 | 85 | 17.6 | 348.3 | 58 | 25.2 | 80 | 16.5 | 344.9 | 66 | 28.7 | 70 | 17.5 | 352.5 | 48 | 25.6 | 92 | 19.4 | 353.5 | 71 | 1000 |
| SFC. | 25.9 | 85 | 18.1 | 349.5 | 0 | 26.0 | 82 | 17.5 | 348.0 | 0 | 31.0 | 74 | 21.3 | 365.5 | 0 | 26.0 | 92 | 19.7 | 353.9 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1006.6 | SURFACE PRESSURE | | | | 1007.5 | SURFACE PRESSURE | | | | 1005.4 | SURFACE PRESSURE | | | | 1008.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 3/31 12 0 GMT | | | | | 3/31 1744 GMT | | | | | 4/ 1 0 1 GMT | | | | | 4/ 1 6 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -64.8 | 0 | 0.0 | 465.9 | 19469 | -66.7 | 0 | 0.0 | 461.6 | 19440 | -61.8 | 0 | 0.0 | 472.5 | 19581 | -65.0 | 25 | .0 | 465.6 | 19461 | 60 |
| 70 | -69.1 | 0 | 0.0 | 436.5 | 18535 | -65.8 | 18 | .0 | 443.7 | 18506 | -63.7 | 0 | 0.0 | 448.2 | 18636 | -66.7 | 25 | .0 | 441.8 | 18528 | 70 |
| 80 | -75.6 | 0 | 0.0 | 406.9 | 17756 | -76.1 | 18 | .0 | 405.7 | 17725 | -76.0 | 0 | 0.0 | 406.1 | 17833 | -80.2 | 26 | .0 | 397.3 | 17748 | 80 |
| 90 | -80.5 | 45 | .0 | 383.6 | 17083 | -78.9 | 19 | .0 | 386.7 | 17047 | -78.2 | 19 | .0 | 388.2 | 17159 | -81.1 | 26 | .0 | 382.4 | 17086 | 90 |
| 100 | -79.2 | 45 | .0 | 374.7 | 16486 | -80.9 | 19 | .0 | 371.4 | 16451 | -81.1 | 20 | .0 | 371.1 | 16559 | -80.7 | 26 | .0 | 371.8 | 16492 | 100 |
| 110 | -80.1 | 45 | .0 | 362.9 | 15947 | -79.5 | 19 | .0 | 364.1 | 15913 | -79.2 | 20 | .0 | 364.6 | 16020 | -79.3 | 26 | .0 | 364.5 | 15953 | 110 |
| 120 | -76.7 | 45 | .0 | 360.2 | 15450 | -76.7 | 19 | .0 | 360.4 | 15416 | -77.0 | 20 | .0 | 359.7 | 15523 | -77.6 | 26 | .0 | 358.7 | 15457 | 120 |
| 130 | -73.6 | 45 | .0 | 357.7 | 14986 | -74.1 | 19 | .0 | 356.9 | 14953 | -73.9 | 20 | .0 | 357.1 | 15060 | -74.6 | 26 | .0 | 356.0 | 14995 | 130 |
| 140 | -70.7 | 45 | .0 | 355.3 | 14550 | -71.3 | 19 | .0 | 354.2 | 14518 | -71.1 | 20 | .0 | 354.6 | 14625 | -71.8 | 26 | .0 | 353.4 | 14561 | 140 |
| 150 | -68.4 | 45 | .0 | 352.3 | 14138 | -68.3 | 19 | .0 | 352.5 | 14107 | -67.5 | 20 | .0 | 353.8 | 14213 | -69.2 | 26 | .0 | 351.0 | 14152 | 150 |
| 160 | -66.7 | 45 | .0 | 348.8 | 13750 | -65.5 | 19 | .0 | 350.8 | 13717 | -64.0 | 20 | .0 | 353.3 | 13821 | -66.3 | 26 | .0 | 349.4 | 13764 | 160 |
| 170 | -64.0 | 45 | .0 | 347.2 | 13381 | -62.8 | 19 | .0 | 349.2 | 13346 | -61.0 | 19 | .0 | 352.2 | 13447 | -63.0 | 25 | .0 | 348.9 | 13394 | 170 |
| 180 | -61.3 | 45 | .0 | 346.0 | 13029 | -60.0 | 19 | .0 | 348.1 | 12992 | -58.2 | 19 | .0 | 351.2 | 13089 | -59.9 | 24 | .0 | 348.3 | 13039 | 180 |
| 190 | -58.2 | 45 | .0 | 345.9 | 12691 | -57.4 | 19 | .0 | 347.0 | 12652 | -55.5 | 19 | .0 | 350.1 | 12747 | -57.0 | 23 | .0 | 347.7 | 12699 | 190 |
| 200 | -55.2 | 44 | .0 | 345.6 | 12366 | -54.9 | 18 | .0 | 346.0 | 12326 | -52.9 | 18 | .0 | 349.1 | 12418 | -54.2 | 22 | .0 | 347.1 | 12373 | 200 |
| 225 | -48.4 | 47 | .1 | 344.8 | 11602 | -49.0 | 18 | .0 | 343.5 | 11563 | -46.8 | 18 | .0 | 347.0 | 11648 | -47.7 | 21 | .0 | 345.6 | 11606 | 225 |
| 250 | -42.9 | 54 | .2 | 343.0 | 10900 | -43.1 | 16 | .1 | 342.2 | 10863 | -40.9 | 18 | .1 | 345.5 | 10941 | -41.8 | 20 | .1 | 344.3 | 10902 | 250 |
| 275 | -37.9 | 57 | .3 | 341.6 | 10250 | -37.7 | 14 | .1 | 340.9 | 10213 | -36.6 | 19 | .1 | 342.7 | 10287 | -37.4 | 21 | .1 | 341.6 | 10249 | 275 |
| 300 | -33.1 | 59 | .5 | 340.6 | 9644 | -32.8 | 12 | .1 | 339.6 | 9607 | -31.0 | 18 | .2 | 342.3 | 9677 | -32.4 | 20 | .2 | 340.5 | 9642 | 300 |
| 325 | -28.8 | 51 | .6 | 339.1 | 9077 | -28.5 | 22 | .3 | 338.5 | 9038 | -26.2 | 17 | .2 | 341.5 | 9104 | -27.2 | 19 | .2 | 340.1 | 9072 | 325 |
| 350 | -24.1 | 17 | .3 | 337.3 | 8541 | -25.4 | 33 | .5 | 336.3 | 8503 | -22.3 | 18 | .3 | 340.0 | 8563 | -23.8 | 24 | .4 | 338.1 | 8534 | 350 |
| 375 | -20.0 | 10 | .2 | 336.0 | 8034 | -21.5 | 18 | .3 | 334.5 | 7999 | -18.3 | 18 | .4 | 339.1 | 8052 | -20.0 | 26 | .5 | 337.2 | 8026 | 375 |
| 400 | -16.7 | 10 | .3 | 334.3 | 7552 | -16.2 | 14 | .4 | 335.4 | 7518 | -14.3 | 17 | .5 | 338.5 | 7567 | -16.0 | 25 | .7 | 336.8 | 7544 | 400 |
| 425 | -13.5 | 10 | .3 | 332.9 | 7094 | -13.9 | 12 | .4 | 332.5 | 7060 | -11.4 | 16 | .6 | 336.6 | 7105 | -13.9 | 22 | .7 | 333.6 | 7085 | 425 |
| 450 | -10.5 | 10 | .4 | 331.5 | 6657 | -10.9 | 11 | .4 | 331.1 | 6624 | -8.6 | 14 | .6 | 334.8 | 6664 | -11.4 | 20 | .7 | 331.4 | 6649 | 450 |
| 475 | -8.7 | 14 | .6 | 329.4 | 6240 | -7.7 | 11 | .5 | 330.3 | 6206 | -6.7 | 14 | .7 | 332.1 | 6244 | -8.3 | 18 | .8 | 330.5 | 6232 | 475 |
| 500 | -7.1 | 14 | .6 | 326.7 | 5841 | -6.2 | 13 | .6 | 327.8 | 5806 | -4.2 | 13 | .7 | 330.6 | 5841 | -5.4 | 17 | .9 | 329.6 | 5832 | 500 |
| 525 | -4.4 | 16 | .8 | 326.2 | 5459 | -5.6 | 16 | .8 | 324.5 | 5424 | -2.7 | 15 | .9 | 328.4 | 5455 | -2.6 | 16 | 1.0 | 328.7 | 5447 | 525 |
| 550 | -1.9 | 17 | 1.0 | 325.4 | 5091 | -2.8 | 15 | .8 | 323.7 | 5057 | -1.1 | 17 | 1.1 | 326.8 | 5086 | -1.7 | 23 | 1.4 | 327.0 | 5078 | 550 |
| 575 | .7 | 21 | 1.4 | 325.8 | 4736 | -.2 | 14 | .9 | 322.9 | 4703 | 1.8 | 17 | 1.3 | 326.5 | 4730 | .7 | 22 | 1.5 | 326.1 | 4723 | 575 |
| 600 | 2.0 | 39 | 2.9 | 327.9 | 4393 | 1.8 | 15 | 1.1 | 322.0 | 4361 | 4.3 | 17 | 1.4 | 326.1 | 4385 | 3.1 | 20 | 1.6 | 325.2 | 4379 | 600 |
| 625 | 4.3 | 37 | 3.1 | 327.5 | 4063 | 3.1 | 21 | 1.6 | 321.4 | 4032 | 6.0 | 19 | 1.8 | 325.5 | 4052 | 4.1 | 25 | 2.1 | 324.1 | 4048 | 625 |
| 650 | 6.7 | 48 | 4.6 | 331.2 | 3742 | 5.3 | 26 | 2.2 | 322.2 | 3713 | 7.7 | 22 | 2.2 | 325.0 | 3730 | 6.3 | 30 | 2.7 | 324.9 | 3728 | 650 |
| 675 | 8.8 | 57 | 6.0 | 334.5 | 3430 | 7.4 | 30 | 2.9 | 323.2 | 3404 | 9.4 | 29 | 3.2 | 326.6 | 3418 | 8.3 | 41 | 4.2 | 328.3 | 3418 | 675 |
| 700 | 10.3 | 84 | 9.4 | 342.7 | 3128 | 9.5 | 35 | 3.7 | 324.9 | 3103 | 11.1 | 42 | 5.0 | 330.8 | 3116 | 8.9 | 80 | 8.2 | 337.3 | 3116 | 700 |
| 725 | 11.6 | 91 | 10.8 | 344.8 | 2834 | 10.6 | 55 | 6.1 | 330.0 | 2811 | 12.8 | 55 | 7.1 | 335.4 | 2822 | 11.0 | 75 | 8.5 | 337.3 | 2824 | 725 |
| 750 | 12.8 | 92 | 11.5 | 345.0 | 2549 | 12.6 | 54 | 6.6 | 330.7 | 2527 | 14.7 | 47 | 6.6 | 333.1 | 2536 | 13.2 | 38 | 4.8 | 325.9 | 2540 | 750 |
| 775 | 14.2 | 93 | 12.3 | 345.6 | 2272 | 14.8 | 47 | 6.4 | 329.3 | 2251 | 16.5 | 37 | 5.6 | 329.2 | 2257 | 14.7 | 32 | 4.3 | 323.2 | 2263 | 775 |
| 800 | 15.5 | 94 | 13.1 | 346.2 | 2002 | 12.7 | 45 | 5.2 | 320.6 | 1982 | 17.0 | 51 | 7.7 | 332.8 | 1987 | 15.2 | 42 | 5.7 | 325.0 | 1994 | 800 |
| 825 | 16.7 | 95 | 13.9 | 346.9 | 1739 | 12.5 | 58 | 6.4 | 320.8 | 1724 | 17.5 | 63 | 9.7 | 336.1 | 1724 | 16.0 | 77 | 10.7 | 336.9 | 1733 | 825 |
| 850 | 17.9 | 96 | 14.7 | 347.7 | 1483 | 15.4 | 94 | 12.2 | 337.5 | 1471 | 18.2 | 73 | 11.4 | 338.7 | 1468 | 17.4 | 47 | 6.9 | 325.2 | 1478 | 850 |
| 875 | 19.1 | 97 | 15.6 | 348.5 | 1233 | 16.6 | 97 | 13.3 | 339.1 | 1224 | 19.5 | 73 | 12.0 | 339.0 | 1218 | 18.2 | 76 | 11.4 | 335.8 | 1230 | 875 |
| 900 | 20.4 | 97 | 16.5 | 349.7 | 989 | 18.4 | 91 | 13.6 | 339.5 | 982 | 20.7 | 73 | 12.6 | 339.5 | 974 | 19.4 | 88 | 14.0 | 341.7 | 987 | 900 |
| 925 | 21.8 | 97 | 17.5 | 351.4 | 750 | 20.2 | 85 | 13.9 | 339.6 | 745 | 22.0 | 73 | 13.2 | 339.9 | 736 | 21.0 | 87 | 14.9 | 343.3 | 750 | 925 |
| 950 | 22.3 | 97 | 17.6 | 349.5 | 517 | 21.1 | 86 | 14.4 | 339.5 | 514 | 23.1 | 73 | 13.8 | 340.4 | 503 | 22.6 | 85 | 15.7 | 345.0 | 517 | 950 |
| 975 | 24.0 | 93 | 18.2 | 350.7 | 289 | 22.3 | 88 | 15.5 | 341.3 | 288 | 24.8 | 70 | 14.4 | 341.5 | 275 | 24.2 | 84 | 16.6 | 346.6 | 289 | 975 |
| 1000 | 25.5 | 90 | 18.9 | 351.9 | 66 | 25.2 | 89 | 18.2 | 349.5 | 65 | 27.5 | 73 | 17.2 | 349.9 | 52 | 25.7 | 82 | 17.4 | 348.3 | 66 | 1000 |
| SFC. | 26.0 | 89 | 19.0 | 352.2 | 0 | 26.0 | 89 | 19.0 | 352.2 | 0 | 29.0 | 82 | 21.0 | 361.9 | 0 | 26.2 | 82 | 17.7 | 348.8 | 0 | SFC. |
| | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1007.4 | | | | | SURFACE PRESSURE 1005.8 | | | | | SURFACE PRESSURE 1007.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 4/ 1 12 5 GMT | | | | | 4/ 1 15 5 GMT | | | | | 4/ 1 1756 GMT | | | | | 4/ 1 2035 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.0 | 0 | 0.0 | 465.5 | 19483 | -67.2 | 0 | 0.0 | 460.5 | 19465 | -64.6 | 0 | 0.0 | 466.3 | 19531 | -66.1 | 0 | 0.0 | 463.0 | 19555 | 60 |
| 70 | -65.9 | 38 | .0 | 443.6 | 18545 | -67.0 | 0 | 0.0 | 441.1 | 18535 | -63.3 | 13 | .0 | 449.1 | 18586 | -63.4 | 0 | 0.0 | 448.7 | 18614 | 70 |
| 80 | -72.6 | 38 | .0 | 413.1 | 17750 | -74.1 | 30 | .0 | 410.0 | 17748 | -72.8 | 13 | .0 | 412.6 | 17777 | -71.0 | 0 | 0.0 | 416.3 | 17803 | 80 |
| 90 | -77.2 | 39 | .0 | 390.2 | 17064 | -75.5 | 30 | .0 | 393.6 | 17063 | -75.3 | 14 | .0 | 394.0 | 17092 | -77.8 | 21 | .0 | 389.0 | 17118 | 90 |
| 100 | -82.6 | 39 | .0 | 368.2 | 16470 | -83.3 | 30 | .0 | 366.8 | 16466 | -79.0 | 15 | .0 | 375.1 | 16483 | -81.0 | 21 | .0 | 371.3 | 16521 | 100 |
| 110 | -81.3 | 39 | .0 | 360.7 | 15936 | -80.3 | 30 | .0 | 362.6 | 15932 | -80.6 | 15 | .0 | 362.1 | 15945 | -80.4 | 21 | .0 | 362.3 | 15984 | 110 |
| 120 | -78.2 | 39 | .0 | 357.5 | 15443 | -77.6 | 30 | .0 | 358.7 | 15437 | -77.6 | 15 | .0 | 358.7 | 15450 | -77.1 | 21 | .0 | 359.6 | 15488 | 120 |
| 130 | -75.4 | 39 | .0 | 354.5 | 14983 | -75.1 | 30 | .0 | 355.0 | 14976 | -74.8 | 15 | .0 | 355.5 | 14988 | -74.0 | 21 | .0 | 357.0 | 15025 | 130 |
| 140 | -72.8 | 39 | .0 | 351.6 | 14551 | -72.8 | 30 | .0 | 351.7 | 14544 | -72.2 | 15 | .0 | 352.6 | 14555 | -71.1 | 21 | .0 | 354.6 | 14590 | 140 |
| 150 | -69.8 | 39 | .0 | 349.9 | 14143 | -70.6 | 30 | .0 | 348.5 | 14136 | -69.1 | 15 | .0 | 351.0 | 14146 | -68.4 | 21 | .0 | 352.3 | 14179 | 150 |
| 160 | -66.7 | 39 | .0 | 348.8 | 13756 | -67.1 | 29 | .0 | 348.1 | 13750 | -65.9 | 14 | .0 | 350.0 | 13758 | -65.8 | 21 | .0 | 350.3 | 13789 | 160 |
| 170 | -63.7 | 38 | .0 | 347.7 | 13387 | -63.7 | 29 | .0 | 347.7 | 13381 | -62.7 | 14 | .0 | 349.3 | 13387 | -62.7 | 21 | .0 | 349.4 | 13419 | 170 |
| 180 | -60.8 | 38 | .0 | 346.8 | 13034 | -60.6 | 28 | .0 | 347.2 | 13028 | -59.6 | 14 | .0 | 348.8 | 13032 | -59.8 | 20 | .0 | 348.5 | 13064 | 180 |
| 190 | -57.6 | 38 | .0 | 346.7 | 12695 | -57.6 | 27 | .0 | 346.8 | 12689 | -56.6 | 13 | .0 | 348.3 | 12692 | -57.0 | 20 | .0 | 347.6 | 12724 | 190 |
| 200 | -54.6 | 37 | .0 | 346.5 | 12369 | -54.6 | 26 | .0 | 346.5 | 12363 | -53.8 | 13 | .0 | 347.7 | 12364 | -54.4 | 20 | .0 | 346.7 | 12397 | 200 |
| 225 | -47.7 | 36 | .1 | 345.8 | 11604 | -47.6 | 22 | .0 | 345.7 | 11597 | -47.3 | 13 | .0 | 346.1 | 11596 | -47.8 | 20 | .0 | 345.5 | 11631 | 225 |
| 250 | -42.2 | 27 | .1 | 343.8 | 10899 | -41.5 | 18 | .1 | 344.8 | 10892 | -41.5 | 12 | .0 | 344.5 | 10891 | -41.8 | 19 | .1 | 344.2 | 10927 | 250 |
| 275 | -36.7 | 25 | .2 | 342.7 | 10247 | -36.4 | 19 | .1 | 343.1 | 10238 | -36.3 | 12 | .1 | 343.0 | 10237 | -36.4 | 19 | .1 | 342.9 | 10273 | 275 |
| 300 | -31.7 | 25 | .2 | 341.6 | 9638 | -31.8 | 21 | .2 | 341.4 | 9629 | -31.5 | 12 | .1 | 341.4 | 9627 | -31.5 | 19 | .2 | 341.6 | 9664 | 300 |
| 325 | -27.1 | 24 | .3 | 340.6 | 9066 | -27.5 | 22 | .3 | 339.9 | 9058 | -27.1 | 11 | .1 | 339.9 | 9056 | -27.0 | 18 | .2 | 340.4 | 9092 | 325 |
| 350 | -23.1 | 56 | 1.0 | 341.2 | 8528 | -24.0 | 53 | .8 | 339.5 | 8521 | -23.1 | 11 | .2 | 338.5 | 8517 | -22.8 | 18 | .3 | 339.2 | 8553 | 350 |
| 375 | -19.6 | 75 | 1.6 | 341.5 | 8018 | -20.7 | 52 | 1.0 | 337.9 | 8014 | -20.4 | 15 | .3 | 335.8 | 8009 | -20.1 | 20 | .4 | 336.5 | 8044 | 375 |
| 400 | -16.5 | 27 | .7 | 336.2 | 7536 | -16.8 | 16 | .4 | 334.7 | 7533 | -17.2 | 15 | .4 | 334.1 | 7528 | -16.3 | 18 | .5 | 335.7 | 7563 | 400 |
| 425 | -13.6 | 26 | .8 | 334.6 | 7078 | -14.2 | 24 | .7 | 333.4 | 7075 | -13.8 | 12 | .4 | 332.7 | 7071 | -13.0 | 17 | .6 | 334.4 | 7104 | 425 |
| 450 | -11.3 | 32 | 1.1 | 333.0 | 6641 | -11.7 | 31 | 1.1 | 332.4 | 6639 | -11.2 | 12 | .4 | 330.9 | 6634 | -10.4 | 20 | .8 | 333.0 | 6666 | 450 |
| 475 | -8.7 | 28 | 1.2 | 331.4 | 6224 | -9.4 | 38 | 1.5 | 331.6 | 6223 | -9.4 | 17 | .7 | 328.8 | 6218 | -9.1 | 32 | 1.3 | 331.1 | 6248 | 475 |
| 500 | -5.7 | 20 | 1.0 | 329.6 | 5824 | -6.3 | 25 | 1.2 | 329.5 | 5824 | -6.5 | 16 | .8 | 327.9 | 5819 | -6.5 | 31 | 1.5 | 330.2 | 5849 | 500 |
| 525 | -3.4 | 25 | 1.4 | 329.2 | 5440 | -4.5 | 36 | 1.9 | 329.6 | 5441 | -3.7 | 16 | .9 | 327.1 | 5436 | -3.9 | 30 | 1.6 | 329.4 | 5466 | 525 |
| 550 | -2.6 | 39 | 2.2 | 328.5 | 5072 | -2.4 | 30 | 1.8 | 327.3 | 5074 | -2.7 | 19 | 1.1 | 324.7 | 5068 | -1.7 | 29 | 1.8 | 328.1 | 5097 | 550 |
| 575 | -.7 | 32 | 2.0 | 325.9 | 4718 | -.3 | 28 | 1.8 | 325.8 | 4719 | -.8 | 19 | 1.2 | 323.2 | 4715 | .4 | 27 | 1.8 | 326.7 | 4742 | 575 |
| 600 | 1.3 | 36 | 2.5 | 325.8 | 4377 | 1.5 | 31 | 2.2 | 325.3 | 4378 | 1.2 | 19 | 1.3 | 321.9 | 4374 | 2.3 | 26 | 1.9 | 325.4 | 4400 | 600 |
| 625 | 3.3 | 41 | 3.2 | 326.6 | 4047 | 3.3 | 36 | 2.8 | 325.4 | 4048 | 3.1 | 18 | 1.4 | 320.7 | 4044 | 4.2 | 24 | 2.0 | 324.0 | 4069 | 625 |
| 650 | 5.2 | 47 | 4.0 | 327.6 | 3727 | 5.2 | 48 | 4.1 | 327.8 | 3729 | 5.0 | 17 | 1.4 | 319.4 | 3726 | 6.0 | 24 | 2.1 | 322.9 | 3749 | 650 |
| 675 | 6.5 | 79 | 7.1 | 334.8 | 3418 | 6.5 | 75 | 6.8 | 333.8 | 3419 | 6.4 | 35 | 3.1 | 322.8 | 3417 | 7.9 | 32 | 3.2 | 324.8 | 3439 | 675 |
| 700 | 8.6 | 45 | 4.5 | 326.0 | 3118 | 9.0 | 39 | 4.0 | 325.1 | 3119 | 8.7 | 29 | 2.9 | 321.6 | 3118 | 9.7 | 38 | 4.1 | 326.4 | 3138 | 700 |
| 725 | 10.5 | 41 | 4.5 | 325.1 | 2827 | 10.6 | 30 | 3.4 | 321.9 | 2827 | 10.9 | 19 | 2.1 | 318.5 | 2826 | 12.1 | 20 | 2.5 | 320.8 | 2845 | 725 |
| 750 | 12.6 | 26 | 3.2 | 320.5 | 2543 | 11.9 | 31 | 3.6 | 321.0 | 2544 | 12.3 | 24 | 2.9 | 319.3 | 2543 | 13.4 | 24 | 3.1 | 321.1 | 2561 | 750 |
| 775 | 13.4 | 34 | 4.3 | 321.6 | 2268 | 13.2 | 41 | 5.0 | 323.6 | 2269 | 13.2 | 16 | 1.9 | 314.3 | 2268 | 14.7 | 28 | 3.7 | 321.5 | 2285 | 775 |
| 800 | 15.1 | 41 | 5.5 | 324.1 | 2000 | 14.5 | 52 | 6.7 | 327.0 | 2002 | 14.6 | 29 | 3.8 | 318.6 | 2001 | 15.9 | 31 | 4.4 | 321.9 | 2016 | 800 |
| 825 | 16.8 | 47 | 6.8 | 327.0 | 1738 | 16.2 | 56 | 7.9 | 329.3 | 1740 | 15.9 | 42 | 5.8 | 322.9 | 1740 | 17.1 | 35 | 5.2 | 322.5 | 1754 | 825 |
| 850 | 18.2 | 54 | 8.3 | 330.1 | 1483 | 18.3 | 53 | 8.2 | 329.9 | 1485 | 15.2 | 99 | 12.7 | 338.6 | 1487 | 18.2 | 38 | 5.9 | 323.2 | 1499 | 850 |
| 875 | 18.2 | 68 | 10.3 | 332.9 | 1234 | 18.3 | 70 | 10.6 | 333.8 | 1236 | 16.0 | 96 | 12.7 | 336.6 | 1239 | 19.2 | 45 | 7.2 | 325.4 | 1250 | 875 |
| 900 | 18.7 | 80 | 12.2 | 335.7 | 992 | 19.8 | 82 | 13.3 | 340.3 | 994 | 16.9 | 90 | 12.2 | 333.6 | 999 | 20.2 | 53 | 8.8 | 328.2 | 1007 | 900 |
| 925 | 19.8 | 88 | 14.0 | 339.4 | 756 | 22.4 | 88 | 16.4 | 349.3 | 756 | 18.8 | 92 | 13.7 | 337.4 | 764 | 21.1 | 61 | 10.4 | 331.0 | 770 | 925 |
| 950 | 21.2 | 93 | 15.7 | 342.9 | 524 | 24.6 | 92 | 19.3 | 357.5 | 521 | 20.5 | 95 | 15.4 | 341.4 | 533 | 21.9 | 68 | 12.0 | 333.9 | 539 | 950 |
| 975 | 23.3 | 88 | 16.5 | 345.1 | 298 | 25.0 | 87 | 18.0 | 351.6 | 292 | 23.0 | 91 | 16.7 | 345.2 | 307 | 23.6 | 67 | 12.7 | 335.3 | 312 | 975 |
| 1000 | 25.3 | 84 | 17.2 | 347.2 | 75 | 25.3 | 82 | 16.8 | 346.0 | 69 | 25.7 | 83 | 17.5 | 348.3 | 84 | 27.3 | 69 | 15.9 | 346.3 | 89 | 1000 |
| SFC. | 26.0 | 82 | 17.5 | 347.8 | 0 | 25.4 | 80 | 16.4 | 344.3 | 0 | 26.7 | 80 | 17.8 | 349.4 | 0 | 30.8 | 74 | 20.9 | 363.7 | 0 | SFC. |
| | SURFACE PRESSURE 1008.5 | | | | | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1009.5 | | | | | SURFACE PRESSURE 1010.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 1 2348 GMT T | RH | W | EPT | H | 4/ 2 3 0 GMT T | RH | W | EPT | H | 4/ 2 550 GMT T | RH | W | EPT | H | 4/ 2 850 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.3 | 0 | 0.0 | 462.4 | 19575 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.2 | 0 | 0.0 | 458.3 | 19439 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -65.1 | 20 | .0 | 445.2 | 18640 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.8 | 0 | 0.0 | 437.2 | 18515 | -70.1 | 21 | .0 | 434.5 | 18551 | 70 |
| 80 | -71.7 | 20 | .0 | 414.8 | 17834 | -70.5 | 27 | .0 | 417.4 | 17759 | -72.3 | 20 | .0 | 413.7 | 17719 | -72.6 | 21 | .0 | 413.1 | 17761 | 80 |
| 90 | -76.8 | 20 | .0 | 391.0 | 17148 | -79.1 | 28 | .0 | 386.4 | 17072 | -79.5 | 20 | .0 | 385.5 | 17039 | -77.8 | 21 | .0 | 389.0 | 17074 | 90 |
| 100 | -81.3 | 20 | .0 | 370.7 | 16549 | -81.2 | 28 | .0 | 370.9 | 16478 | -83.2 | 20 | .0 | 367.0 | 16450 | -80.8 | 21 | .0 | 371.6 | 16475 | 100 |
| 110 | -80.1 | 20 | .0 | 362.9 | 16014 | -79.5 | 27 | .0 | 364.2 | 15940 | -80.6 | 20 | .0 | 362.0 | 15917 | -80.8 | 21 | .0 | 361.6 | 15938 | 110 |
| 120 | -76.4 | 20 | .0 | 360.8 | 15517 | -76.9 | 27 | .0 | 360.0 | 15443 | -78.2 | 20 | .0 | 357.5 | 15423 | -77.8 | 21 | .0 | 358.3 | 15444 | 120 |
| 130 | -73.0 | 20 | .0 | 358.8 | 15052 | -73.9 | 28 | .0 | 357.2 | 14980 | -76.0 | 20 | .0 | 353.4 | 14963 | -74.6 | 21 | .0 | 355.8 | 14982 | 130 |
| 140 | -69.9 | 20 | .0 | 356.8 | 14614 | -71.1 | 28 | .0 | 354.6 | 14544 | -72.5 | 20 | .0 | 352.1 | 14532 | -71.6 | 21 | .0 | 353.6 | 14548 | 140 |
| 150 | -67.0 | 20 | .0 | 354.8 | 14200 | -68.0 | 28 | .0 | 353.0 | 14133 | -69.1 | 19 | .0 | 351.1 | 14123 | -68.6 | 21 | .0 | 352.0 | 14138 | 150 |
| 160 | -64.2 | 20 | .0 | 352.9 | 13808 | -65.0 | 27 | .0 | 351.7 | 13743 | -65.9 | 19 | .0 | 350.1 | 13734 | -65.7 | 20 | .0 | 350.4 | 13749 | 160 |
| 170 | -61.7 | 20 | .0 | 351.1 | 13435 | -62.1 | 27 | .0 | 350.5 | 13370 | -62.9 | 18 | .0 | 349.1 | 13364 | -63.0 | 20 | .0 | 348.8 | 13378 | 170 |
| 180 | -59.0 | 19 | .0 | 349.9 | 13079 | -59.3 | 26 | .0 | 349.3 | 13015 | -60.0 | 18 | .0 | 348.1 | 13009 | -60.3 | 20 | .0 | 347.6 | 13024 | 180 |
| 190 | -56.2 | 19 | .0 | 349.0 | 12737 | -56.6 | 26 | .0 | 348.4 | 12674 | -57.3 | 17 | .0 | 347.1 | 12670 | -57.5 | 19 | .0 | 346.9 | 12685 | 190 |
| 200 | -53.2 | 19 | .0 | 348.6 | 12409 | -53.8 | 25 | .0 | 347.7 | 12347 | -54.8 | 17 | .0 | 346.1 | 12343 | -54.8 | 19 | .0 | 346.1 | 12359 | 200 |
| 225 | -46.5 | 18 | .0 | 347.5 | 11639 | -47.6 | 23 | .1 | 345.9 | 11579 | -47.9 | 16 | .0 | 345.2 | 11579 | -48.6 | 18 | .0 | 344.1 | 11595 | 225 |
| 250 | -40.4 | 17 | .1 | 346.3 | 10930 | -42.3 | 22 | .1 | 343.6 | 10875 | -42.4 | 15 | .1 | 343.2 | 10875 | -43.1 | 17 | .1 | 342.2 | 10894 | 250 |
| 275 | -36.6 | 17 | .1 | 342.6 | 10277 | -38.2 | 24 | .1 | 340.5 | 10226 | -38.0 | 16 | .1 | 340.5 | 10225 | -38.0 | 16 | .1 | 340.5 | 10245 | 275 |
| 300 | -31.0 | 17 | .2 | 342.4 | 9667 | -32.6 | 28 | .2 | 340.4 | 9620 | -33.1 | 15 | .1 | 339.3 | 9619 | -32.7 | 17 | .1 | 339.9 | 9639 | 300 |
| 325 | -26.5 | 17 | .2 | 341.1 | 9094 | -27.5 | 29 | .4 | 340.1 | 9050 | -28.3 | 15 | .2 | 338.4 | 9051 | -27.8 | 18 | .2 | 339.3 | 9069 | 325 |
| 350 | -22.3 | 17 | .3 | 339.9 | 8554 | -23.3 | 22 | .4 | 338.7 | 8512 | -23.9 | 14 | .2 | 337.5 | 8515 | -24.1 | 19 | .3 | 337.5 | 8532 | 350 |
| 375 | -19.0 | 18 | .4 | 338.0 | 8043 | -19.9 | 19 | .4 | 336.8 | 8003 | -19.8 | 13 | .3 | 336.6 | 8007 | -20.1 | 17 | .4 | 336.3 | 8025 | 375 |
| 400 | -16.0 | 17 | .5 | 336.0 | 7561 | -17.6 | 24 | .6 | 334.3 | 7522 | -17.4 | 14 | .3 | 333.7 | 7524 | -16.2 | 15 | .4 | 335.5 | 7543 | 400 |
| 425 | -12.5 | 17 | .6 | 335.1 | 7101 | -14.2 | 22 | .7 | 333.2 | 7066 | -14.0 | 14 | .4 | 332.7 | 7067 | -13.8 | 18 | .5 | 333.3 | 7085 | 425 |
| 450 | -9.2 | 16 | .7 | 334.2 | 6662 | -11.1 | 21 | .8 | 332.1 | 6629 | -10.8 | 15 | .6 | 331.8 | 6631 | -10.6 | 17 | .6 | 332.3 | 6648 | 450 |
| 475 | -7.3 | 23 | 1.1 | 332.8 | 6242 | -8.4 | 24 | 1.0 | 331.2 | 6212 | -9.1 | 20 | .8 | 329.7 | 6213 | -10.8 | 44 | 1.5 | 330.0 | 6232 | 475 |
| 500 | -5.9 | 30 | 1.5 | 331.1 | 5841 | -6.5 | 33 | 1.6 | 330.5 | 5812 | -7.9 | 32 | 1.4 | 328.2 | 5816 | -7.7 | 42 | 1.8 | 329.8 | 5836 | 500 |
| 525 | -3.7 | 38 | 2.1 | 331.2 | 5458 | -4.3 | 38 | 2.0 | 330.1 | 5429 | -5.8 | 48 | 2.3 | 329.1 | 5435 | -5.4 | 55 | 2.7 | 331.0 | 5454 | 525 |
| 550 | -1.2 | 29 | 1.8 | 329.0 | 5088 | -2.1 | 45 | 2.7 | 330.5 | 5061 | -3.7 | 47 | 2.5 | 327.9 | 5069 | -3.2 | 62 | 3.4 | 331.5 | 5087 | 550 |
| 575 | 1.2 | 16 | 1.2 | 325.4 | 4733 | .3 | 34 | 2.3 | 328.0 | 4706 | -1.4 | 28 | 1.6 | 323.9 | 4716 | -.5 | 20 | 1.3 | 323.9 | 4733 | 575 |
| 600 | 3.2 | 17 | 1.4 | 324.6 | 4389 | 2.5 | 24 | 1.8 | 325.2 | 4364 | .9 | 21 | 1.4 | 322.0 | 4376 | 1.6 | 21 | 1.5 | 323.1 | 4392 | 600 |
| 625 | 5.2 | 18 | 1.6 | 323.8 | 4057 | 4.5 | 28 | 2.3 | 325.4 | 4033 | 3.4 | 26 | 2.0 | 323.2 | 4046 | 3.5 | 22 | 1.7 | 322.3 | 4062 | 625 |
| 650 | 7.2 | 18 | 1.8 | 323.2 | 3736 | 6.5 | 31 | 2.9 | 325.7 | 3712 | 5.8 | 32 | 2.8 | 324.7 | 3726 | 5.5 | 25 | 2.1 | 322.2 | 3743 | 650 |
| 675 | 9.0 | 23 | 2.4 | 323.8 | 3425 | 8.3 | 34 | 3.5 | 326.3 | 3401 | 8.1 | 37 | 3.7 | 326.5 | 3416 | 7.8 | 33 | 3.2 | 324.7 | 3433 | 675 |
| 700 | 11.1 | 29 | 3.4 | 325.6 | 3123 | 10.2 | 38 | 4.2 | 327.0 | 3100 | 10.3 | 42 | 4.7 | 328.7 | 3115 | 10.0 | 40 | 4.4 | 327.6 | 3132 | 700 |
| 725 | 13.4 | 18 | 2.4 | 322.0 | 2829 | 12.3 | 30 | 3.7 | 324.7 | 2807 | 12.2 | 24 | 2.9 | 322.2 | 2822 | 12.5 | 23 | 2.8 | 322.5 | 2839 | 725 |
| 750 | 14.5 | 30 | 4.2 | 325.5 | 2543 | 13.8 | 28 | 3.7 | 323.3 | 2522 | 13.6 | 26 | 3.4 | 322.2 | 2537 | 14.1 | 22 | 2.9 | 321.3 | 2554 | 750 |
| 775 | 15.7 | 19 | 2.8 | 319.7 | 2266 | 14.6 | 26 | 3.5 | 320.5 | 2245 | 15.4 | 18 | 2.5 | 318.5 | 2260 | 15.6 | 21 | 2.9 | 320.1 | 2277 | 775 |
| 800 | 16.7 | 28 | 4.2 | 322.0 | 1996 | 16.2 | 26 | 3.8 | 320.3 | 1977 | 16.8 | 20 | 3.0 | 318.5 | 1991 | 17.0 | 20 | 3.0 | 318.9 | 2007 | 800 |
| 825 | 17.7 | 36 | 5.5 | 324.2 | 1734 | 17.7 | 29 | 4.4 | 321.0 | 1714 | 18.1 | 22 | 3.4 | 318.7 | 1729 | 18.4 | 19 | 3.0 | 317.7 | 1745 | 825 |
| 850 | 19.7 | 30 | 5.1 | 322.6 | 1478 | 19.2 | 31 | 5.1 | 321.9 | 1459 | 19.5 | 24 | 3.9 | 318.9 | 1473 | 19.8 | 25 | 4.3 | 320.4 | 1489 | 850 |
| 875 | 20.4 | 41 | 7.0 | 326.1 | 1228 | 20.7 | 33 | 5.8 | 323.0 | 1209 | 20.7 | 25 | 4.5 | 319.2 | 1223 | 19.3 | 56 | 9.0 | 330.4 | 1239 | 875 |
| 900 | 20.5 | 58 | 9.8 | 331.4 | 985 | 20.1 | 58 | 9.5 | 330.2 | 966 | 21.2 | 41 | 7.2 | 325.0 | 980 | 18.6 | 78 | 11.8 | 334.6 | 996 | 900 |
| 925 | 21.2 | 68 | 11.7 | 334.7 | 747 | 20.1 | 76 | 12.3 | 335.1 | 729 | 21.3 | 62 | 10.8 | 332.4 | 742 | 19.6 | 93 | 14.6 | 340.7 | 760 | 925 |
| 950 | 22.0 | 75 | 13.2 | 337.3 | 515 | 21.6 | 80 | 13.8 | 338.3 | 498 | 21.9 | 84 | 14.8 | 341.4 | 510 | 21.3 | 96 | 16.2 | 344.5 | 529 | 950 |
| 975 | 23.8 | 68 | 13.0 | 336.4 | 288 | 23.9 | 81 | 15.8 | 344.0 | 271 | 23.7 | 84 | 16.2 | 345.0 | 283 | 23.2 | 91 | 17.0 | 346.4 | 302 | 975 |
| 1000 | 26.5 | 63 | 13.8 | 339.4 | 66 | 27.1 | 80 | 18.5 | 352.9 | 47 | 25.5 | 85 | 17.7 | 348.8 | 60 | 25.0 | 87 | 17.8 | 348.2 | 79 | 1000 |
| SFC. | 30.1 | 70 | 19.0 | 357.7 | 0 | 27.8 | 80 | 19.1 | 354.9 | 0 | 26.0 | 85 | 18.2 | 349.9 | 0 | 25.7 | 86 | 18.0 | 348.8 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.4 | SURFACE PRESSURE | | | | 1005.3 | SURFACE PRESSURE | | | | 1006.8 | SURFACE PRESSURE | | | | 1009.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 2 12 6 GMT T | RH | W | EPT | H | 4/ 2 1846 GMT T | RH | W | EPT | H | 4/ 2 2346 GMT T | RH | W | EPT | H | 4/ 3 6 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.8 | 0 | 0.0 | 461.4 | 19464 | -62.8 | 0 | 0.0 | 470.3 | 19506 | -60.3 | 0 | 0.0 | 475.9 | 19652 | -65.5 | 27 | .0 | 464.5 | 19528 | 60 |
| 70 | -69.3 | 25 | .0 | 436.2 | 18538 | -69.8 | 19 | .0 | 435.1 | 18569 | -65.1 | 17 | .0 | 445.2 | 18698 | -68.5 | 27 | .0 | 437.9 | 18596 | 70 |
| 80 | -71.6 | 25 | .0 | 415.0 | 17745 | -72.8 | 20 | .0 | 412.5 | 17780 | -71.9 | 17 | .0 | 414.6 | 17897 | -70.9 | 27 | .0 | 416.6 | 17797 | 80 |
| 90 | -74.6 | 25 | .0 | 395.4 | 17054 | -75.7 | 20 | .0 | 393.2 | 17094 | -74.5 | 17 | .0 | 395.6 | 17209 | -77.1 | 28 | .0 | 390.4 | 17110 | 90 |
| 100 | -80.6 | 25 | .0 | 372.0 | 16450 | -78.3 | 20 | .0 | 376.5 | 16489 | -76.0 | 18 | .0 | 380.9 | 16598 | -75.7 | 28 | .0 | 381.5 | 16503 | 100 |
| 110 | -80.0 | 25 | .0 | 363.1 | 15914 | -78.8 | 20 | .0 | 365.5 | 15945 | -77.0 | 18 | .0 | 368.8 | 16053 | -79.1 | 28 | .0 | 364.8 | 15957 | 110 |
| 120 | -77.7 | 25 | .0 | 358.4 | 15419 | -76.8 | 20 | .0 | 360.1 | 15448 | -75.2 | 17 | .0 | 363.0 | 15550 | -77.5 | 28 | .0 | 358.8 | 15462 | 120 |
| 130 | -75.6 | 25 | .0 | 354.1 | 14958 | -74.7 | 20 | .0 | 355.7 | 14985 | -73.5 | 17 | .0 | 357.8 | 15085 | -74.1 | 27 | .0 | 356.8 | 15000 | 130 |
| 140 | -72.2 | 25 | .0 | 352.7 | 14526 | -71.5 | 20 | .0 | 353.9 | 14551 | -70.6 | 17 | .0 | 355.5 | 14649 | -70.9 | 27 | .0 | 354.9 | 14564 | 140 |
| 150 | -69.0 | 25 | .0 | 351.2 | 14116 | -68.4 | 20 | .0 | 352.3 | 14140 | -67.0 | 17 | .0 | 354.8 | 14236 | -68.0 | 27 | .0 | 353.0 | 14153 | 150 |
| 160 | -66.1 | 24 | .0 | 349.8 | 13728 | -65.3 | 20 | .0 | 351.2 | 13751 | -63.6 | 17 | .0 | 354.0 | 13843 | -65.2 | 26 | .0 | 351.3 | 13762 | 160 |
| 170 | -63.3 | 24 | .0 | 348.4 | 13358 | -62.2 | 20 | .0 | 350.2 | 13379 | -60.4 | 17 | .0 | 353.3 | 13468 | -62.2 | 26 | .0 | 350.2 | 13391 | 170 |
| 180 | -60.7 | 24 | .0 | 347.1 | 13004 | -59.3 | 20 | .0 | 349.3 | 13023 | -57.4 | 17 | .0 | 352.5 | 13109 | -59.0 | 26 | .0 | 349.8 | 13035 | 180 |
| 190 | -57.9 | 24 | .0 | 346.3 | 12666 | -56.6 | 20 | .0 | 348.4 | 12682 | -54.5 | 17 | .0 | 351.7 | 12765 | -55.9 | 26 | .0 | 349.4 | 12693 | 190 |
| 200 | -54.9 | 24 | .0 | 346.0 | 12340 | -54.0 | 20 | .0 | 347.5 | 12355 | -51.7 | 17 | .0 | 351.0 | 12435 | -53.0 | 25 | .0 | 348.9 | 12365 | 200 |
| 225 | -48.1 | 24 | .1 | 345.0 | 11576 | -48.0 | 20 | .0 | 345.2 | 11589 | -45.3 | 16 | .0 | 349.4 | 11660 | -46.4 | 25 | .1 | 347.7 | 11594 | 225 |
| 250 | -43.4 | 24 | .1 | 341.9 | 10874 | -42.7 | 20 | .1 | 343.0 | 10886 | -39.8 | 16 | .1 | 347.3 | 10948 | -42.7 | 30 | .1 | 343.0 | 10889 | 250 |
| 275 | -37.8 | 22 | .1 | 340.9 | 10225 | -37.6 | 20 | .1 | 341.1 | 10236 | -35.8 | 17 | .1 | 343.8 | 10291 | -37.4 | 31 | .2 | 341.8 | 10238 | 275 |
| 300 | -32.7 | 20 | .2 | 339.9 | 9619 | -32.8 | 19 | .2 | 339.7 | 9629 | -31.4 | 17 | .2 | 341.8 | 9681 | -33.2 | 37 | .3 | 339.7 | 9632 | 300 |
| 325 | -28.0 | 17 | .2 | 338.9 | 9050 | -28.4 | 18 | .2 | 338.4 | 9061 | -26.0 | 15 | .2 | 341.8 | 9108 | -28.8 | 28 | .3 | 338.2 | 9065 | 325 |
| 350 | -24.1 | 17 | .3 | 337.4 | 8513 | -24.3 | 17 | .3 | 337.0 | 8525 | -22.1 | 15 | .3 | 340.0 | 8567 | -24.4 | 24 | .4 | 337.3 | 8529 | 350 |
| 375 | -20.5 | 18 | .4 | 335.9 | 8006 | -20.6 | 17 | .3 | 335.7 | 8019 | -19.1 | 15 | .3 | 337.7 | 8057 | -20.7 | 28 | .6 | 336.3 | 8023 | 375 |
| 400 | -16.4 | 16 | .4 | 335.3 | 7525 | -17.1 | 15 | .4 | 334.2 | 7539 | -16.2 | 15 | .4 | 335.5 | 7574 | -17.2 | 32 | .8 | 335.6 | 7542 | 400 |
| 425 | -14.3 | 18 | .5 | 332.6 | 7068 | -13.8 | 15 | .5 | 333.0 | 7082 | -12.7 | 15 | .5 | 334.6 | 7114 | -13.1 | 19 | .6 | 334.5 | 7084 | 425 |
| 450 | -11.5 | 17 | .6 | 331.0 | 6632 | -10.7 | 15 | .6 | 331.9 | 6645 | -9.4 | 14 | .6 | 333.7 | 6676 | -10.3 | 18 | .7 | 332.9 | 6646 | 450 |
| 475 | -10.0 | 30 | 1.1 | 329.5 | 6216 | -9.3 | 17 | .7 | 328.9 | 6228 | -6.3 | 14 | .7 | 332.8 | 6255 | -7.7 | 18 | .8 | 331.4 | 6228 | 475 |
| 500 | -8.2 | 40 | 1.6 | 328.7 | 5820 | -8.2 | 28 | 1.2 | 327.2 | 5831 | -4.1 | 14 | .8 | 331.1 | 5853 | -5.5 | 25 | 1.3 | 330.9 | 5827 | 500 |
| 525 | -4.9 | 38 | 1.9 | 329.1 | 5438 | -5.1 | 29 | 1.4 | 327.2 | 5450 | -1.9 | 15 | .9 | 329.5 | 5466 | -3.6 | 26 | 1.4 | 329.2 | 5443 | 525 |
| 550 | -3.1 | 42 | 2.3 | 328.2 | 5071 | -2.9 | 33 | 1.9 | 327.0 | 5083 | .0 | 17 | 1.2 | 328.3 | 5095 | -1.9 | 25 | 1.5 | 327.1 | 5074 | 550 |
| 575 | -1.2 | 42 | 2.6 | 327.1 | 4718 | -1.1 | 40 | 2.4 | 326.8 | 4729 | 1.6 | 28 | 2.0 | 328.8 | 4738 | -.6 | 51 | 3.2 | 329.9 | 4720 | 575 |
| 600 | 1.8 | 26 | 1.9 | 324.5 | 4377 | 1.2 | 44 | 3.0 | 327.4 | 4388 | 3.0 | 38 | 3.0 | 329.5 | 4394 | .9 | 68 | 4.6 | 331.9 | 4379 | 600 |
| 625 | 4.4 | 25 | 2.1 | 324.4 | 4046 | 3.7 | 46 | 3.7 | 328.6 | 4058 | 5.5 | 23 | 2.1 | 325.9 | 4062 | 3.0 | 64 | 4.8 | 331.2 | 4049 | 625 |
| 650 | 6.5 | 24 | 2.3 | 323.8 | 3726 | 6.7 | 27 | 2.5 | 324.8 | 3738 | 7.7 | 32 | 3.2 | 328.2 | 3740 | 5.4 | 38 | 3.3 | 325.7 | 3729 | 650 |
| 675 | 8.5 | 24 | 2.5 | 323.3 | 3415 | 8.7 | 25 | 2.6 | 324.0 | 3427 | 9.6 | 24 | 2.6 | 325.2 | 3428 | 7.4 | 39 | 3.7 | 325.9 | 3420 | 675 |
| 700 | 10.4 | 34 | 3.8 | 326.1 | 3113 | 10.7 | 23 | 2.7 | 323.1 | 3125 | 11.5 | 22 | 2.7 | 324.1 | 3126 | 9.4 | 41 | 4.3 | 326.6 | 3119 | 700 |
| 725 | 12.1 | 29 | 3.6 | 324.2 | 2821 | 12.5 | 22 | 2.7 | 322.2 | 2832 | 13.3 | 21 | 2.7 | 323.1 | 2832 | 11.6 | 28 | 3.3 | 322.8 | 2827 | 725 |
| 750 | 13.7 | 23 | 3.1 | 321.4 | 2536 | 13.6 | 21 | 2.7 | 320.2 | 2548 | 15.1 | 19 | 2.8 | 322.0 | 2546 | 13.4 | 30 | 3.8 | 323.2 | 2543 | 750 |
| 775 | 15.0 | 30 | 4.2 | 323.1 | 2259 | 14.6 | 20 | 2.7 | 318.2 | 2271 | 16.7 | 18 | 2.8 | 320.9 | 2268 | 15.1 | 31 | 4.3 | 323.7 | 2266 | 775 |
| 800 | 16.3 | 21 | 3.1 | 318.5 | 1990 | 15.2 | 27 | 3.7 | 319.0 | 2003 | 17.0 | 28 | 4.3 | 322.9 | 1998 | 16.4 | 34 | 4.9 | 323.9 | 1997 | 800 |
| 825 | 17.5 | 37 | 5.5 | 324.1 | 1728 | 15.8 | 44 | 6.0 | 323.4 | 1742 | 17.3 | 39 | 5.8 | 324.7 | 1735 | 16.1 | 44 | 6.2 | 324.4 | 1735 | 825 |
| 850 | 18.6 | 42 | 6.6 | 325.6 | 1472 | 15.8 | 61 | 8.1 | 326.5 | 1489 | 18.1 | 48 | 7.4 | 327.4 | 1480 | 16.1 | 71 | 9.7 | 331.4 | 1481 | 850 |
| 875 | 15.7 | 95 | 12.2 | 334.8 | 1225 | 16.9 | 72 | 10.1 | 330.6 | 1242 | 18.9 | 58 | 9.1 | 330.3 | 1231 | 16.8 | 86 | 11.9 | 335.6 | 1233 | 875 |
| 900 | 17.8 | 92 | 13.3 | 337.7 | 983 | 18.4 | 77 | 11.5 | 333.5 | 1000 | 19.9 | 66 | 10.7 | 333.2 | 988 | 18.5 | 85 | 12.8 | 337.3 | 992 | 900 |
| 925 | 20.0 | 90 | 14.4 | 340.6 | 747 | 19.9 | 81 | 12.9 | 336.6 | 764 | 21.8 | 65 | 11.6 | 335.1 | 751 | 20.1 | 85 | 13.8 | 339.1 | 755 | 925 |
| 950 | 21.1 | 87 | 14.6 | 339.8 | 516 | 21.4 | 85 | 14.5 | 340.0 | 532 | 23.6 | 64 | 12.4 | 337.0 | 518 | 21.7 | 85 | 14.7 | 340.9 | 524 | 950 |
| 975 | 23.3 | 87 | 16.3 | 344.7 | 289 | 22.9 | 85 | 15.5 | 342.1 | 306 | 25.4 | 63 | 13.3 | 339.0 | 290 | 23.2 | 84 | 15.7 | 342.9 | 297 | 975 |
| 1000 | 25.4 | 88 | 18.2 | 349.9 | 66 | 26.1 | 81 | 17.4 | 348.6 | 83 | 28.4 | 69 | 17.1 | 350.8 | 66 | 25.3 | 85 | 17.6 | 348.0 | 74 | 1000 |
| SFC. | 26.0 | 88 | 18.8 | 351.6 | 0 | 28.0 | 82 | 19.7 | 356.5 | 0 | 30.0 | 76 | 20.6 | 361.9 | 0 | 26.2 | 86 | 18.6 | 351.1 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.5 | SURFACE PRESSURE | | | | 1009.4 | SURFACE PRESSURE | | | | 1007.4 | SURFACE PRESSURE | | | | 1008.4 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 3 1229 GMT T | RH | W | EPT | H | 4/ 3 1455 GMT T | RH | W | EPT | H | 4/ 3 1744 GMT T | RH | W | EPT | H | 4/ 3 2034 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.6 | 0 | 0.0 | 459.6 | 19438 | -65.6 | 0 | 0.0 | 464.1 | 19478 | -67.5 | 0 | 0.0 | 459.8 | 19453 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -68.8 | 0 | 0.0 | 437.2 | 18506 | -67.3 | 0 | 0.0 | 440.4 | 18541 | -67.9 | 17 | .0 | 439.2 | 18522 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -74.3 | 0 | 0.0 | 409.6 | 17714 | -73.0 | 0 | 0.0 | 412.1 | 17747 | -72.7 | 19 | .0 | 412.7 | 17729 | -72.3 | 19 | .0 | 413.7 | 17878 | 80 |
| 90 | -78.7 | 0 | 0.0 | 387.2 | 17036 | -78.0 | 20 | .0 | 388.6 | 17065 | -77.0 | 20 | .0 | 390.5 | 17045 | -74.3 | 19 | .0 | 396.0 | 17193 | 90 |
| 100 | -78.8 | 17 | .0 | 375.5 | 16436 | -77.3 | 20 | .0 | 378.3 | 16465 | -77.8 | 18 | .0 | 377.4 | 16443 | -76.3 | 19 | .0 | 380.4 | 16587 | 100 |
| 110 | -79.6 | 17 | .0 | 363.8 | 15895 | -79.4 | 19 | .0 | 364.3 | 15919 | -75.9 | 18 | .0 | 370.9 | 15895 | -74.5 | 19 | .0 | 373.6 | 16033 | 110 |
| 120 | -78.4 | 17 | .0 | 357.2 | 15401 | -77.3 | 19 | .0 | 359.2 | 15423 | -76.3 | 18 | .0 | 361.0 | 15396 | -74.9 | 19 | .0 | 363.7 | 15530 | 120 |
| 130 | -75.0 | 16 | .0 | 355.1 | 14941 | -74.3 | 19 | .0 | 356.4 | 14960 | -73.1 | 18 | .0 | 358.6 | 14931 | -72.6 | 18 | .0 | 359.5 | 15062 | 130 |
| 140 | -71.9 | 16 | .0 | 353.2 | 14507 | -71.1 | 19 | .0 | 354.5 | 14525 | -70.2 | 18 | .0 | 356.2 | 14493 | -69.6 | 18 | .0 | 357.1 | 14624 | 140 |
| 150 | -69.0 | 16 | .0 | 351.3 | 14098 | -68.2 | 18 | .0 | 352.7 | 14114 | -67.4 | 18 | .0 | 354.0 | 14080 | -66.9 | 18 | .0 | 354.9 | 14210 | 150 |
| 160 | -66.3 | 15 | .0 | 349.4 | 13709 | -65.4 | 18 | .0 | 350.9 | 13724 | -64.8 | 18 | .0 | 351.9 | 13689 | -64.3 | 18 | .0 | 352.8 | 13818 | 160 |
| 170 | -63.1 | 15 | .0 | 348.7 | 13339 | -62.8 | 18 | .0 | 349.2 | 13353 | -62.4 | 18 | .0 | 349.9 | 13317 | -61.5 | 18 | .0 | 351.4 | 13444 | 170 |
| 180 | -59.9 | 15 | .0 | 348.3 | 12985 | -59.7 | 18 | .0 | 348.7 | 12998 | -59.9 | 18 | .0 | 348.3 | 12962 | -58.8 | 18 | .0 | 350.1 | 13088 | 180 |
| 190 | -56.9 | 14 | .0 | 347.8 | 12645 | -56.7 | 18 | .0 | 348.1 | 12658 | -57.0 | 18 | .0 | 347.6 | 12622 | -55.9 | 18 | .0 | 349.4 | 12746 | 190 |
| 200 | -54.0 | 14 | .0 | 347.4 | 12318 | -53.9 | 18 | .0 | 347.5 | 12331 | -54.3 | 17 | .0 | 346.9 | 12296 | -53.0 | 17 | .0 | 348.9 | 12418 | 200 |
| 225 | -47.8 | 14 | .0 | 345.4 | 11551 | -47.4 | 18 | .0 | 346.0 | 11563 | -48.6 | 17 | .0 | 344.2 | 11531 | -46.5 | 16 | .0 | 347.5 | 11647 | 225 |
| 250 | -43.6 | 15 | .0 | 341.5 | 10849 | -43.1 | 19 | .1 | 342.4 | 10861 | -43.5 | 17 | .1 | 341.6 | 10830 | -41.6 | 16 | .1 | 344.5 | 10940 | 250 |
| 275 | -38.6 | 17 | .1 | 339.7 | 10201 | -38.3 | 23 | .1 | 340.3 | 10212 | -38.6 | 17 | .1 | 339.7 | 10182 | -37.2 | 16 | .1 | 341.7 | 10288 | 275 |
| 300 | -34.1 | 22 | .2 | 338.0 | 9598 | -34.0 | 30 | .2 | 338.3 | 9607 | -34.1 | 17 | .1 | 337.9 | 9579 | -32.4 | 16 | .1 | 340.3 | 9680 | 300 |
| 325 | -30.1 | 33 | .3 | 336.4 | 9033 | -30.2 | 42 | .4 | 336.6 | 9043 | -29.9 | 18 | .2 | 336.1 | 9014 | -28.0 | 16 | .2 | 338.9 | 9111 | 325 |
| 350 | -25.6 | 17 | .2 | 335.1 | 8500 | -25.5 | 18 | .2 | 335.4 | 8511 | -26.1 | 18 | .2 | 334.5 | 8482 | -23.9 | 16 | .3 | 337.6 | 8574 | 350 |
| 375 | -21.9 | 18 | .3 | 333.8 | 7996 | -21.8 | 19 | .3 | 334.0 | 8006 | -22.5 | 18 | .3 | 332.9 | 7979 | -20.1 | 16 | .3 | 336.3 | 8067 | 375 |
| 400 | -18.4 | 18 | .4 | 332.6 | 7518 | -18.3 | 21 | .5 | 333.1 | 7528 | -19.2 | 18 | .4 | 331.5 | 7502 | -16.5 | 16 | .4 | 335.2 | 7585 | 400 |
| 425 | -14.2 | 12 | .4 | 332.1 | 7062 | -14.2 | 13 | .4 | 332.3 | 7072 | -15.6 | 17 | .4 | 330.6 | 7048 | -13.0 | 15 | .5 | 334.2 | 7126 | 425 |
| 450 | -11.2 | 11 | .4 | 330.6 | 6626 | -11.0 | 12 | .4 | 331.1 | 6635 | -12.3 | 15 | .5 | 329.7 | 6614 | -9.7 | 14 | .6 | 333.3 | 6688 | 450 |
| 475 | -8.6 | 11 | .5 | 329.1 | 6209 | -8.1 | 12 | .5 | 330.0 | 6218 | -9.2 | 14 | .6 | 328.7 | 6198 | -7.4 | 15 | .7 | 331.3 | 6268 | 475 |
| 500 | -6.1 | 11 | .5 | 327.6 | 5809 | -5.4 | 13 | .6 | 328.9 | 5818 | -6.7 | 14 | .6 | 327.2 | 5800 | -5.7 | 16 | .8 | 328.9 | 5868 | 500 |
| 525 | -4.1 | 13 | .7 | 325.9 | 5426 | -2.8 | 13 | .8 | 327.8 | 5433 | -4.4 | 14 | .7 | 325.8 | 5417 | -2.7 | 16 | .9 | 328.6 | 5483 | 525 |
| 550 | -3.7 | 31 | 1.6 | 325.3 | 5059 | -1.9 | 24 | 1.5 | 326.9 | 5063 | -2.6 | 17 | .9 | 324.4 | 5049 | -.1 | 18 | 1.2 | 328.2 | 5113 | 550 |
| 575 | -1.9 | 47 | 2.7 | 326.7 | 4707 | -.6 | 36 | 2.3 | 326.8 | 4709 | -2.1 | 44 | 2.5 | 325.8 | 4697 | 1.7 | 21 | 1.6 | 327.5 | 4756 | 575 |
| 600 | 0.0 | 69 | 4.4 | 330.1 | 4367 | 1.5 | 42 | 3.0 | 327.6 | 4368 | -.1 | 57 | 3.6 | 327.6 | 4357 | 3.5 | 25 | 2.0 | 327.0 | 4412 | 600 |
| 625 | 2.5 | 63 | 4.6 | 329.8 | 4038 | 3.6 | 48 | 3.8 | 328.8 | 4038 | 1.9 | 42 | 2.9 | 324.1 | 4029 | 4.9 | 44 | 3.8 | 330.4 | 4080 | 625 |
| 650 | 4.5 | 28 | 2.2 | 321.5 | 3719 | 5.6 | 37 | 3.3 | 326.0 | 3718 | 4.0 | 51 | 4.0 | 326.1 | 3711 | 6.6 | 46 | 4.3 | 330.3 | 3758 | 650 |
| 675 | 7.2 | 32 | 3.0 | 323.5 | 3410 | 7.5 | 23 | 2.2 | 321.3 | 3408 | 5.6 | 30 | 2.5 | 320.1 | 3403 | 8.8 | 21 | 2.2 | 322.8 | 3447 | 675 |
| 700 | 9.2 | 16 | 1.6 | 318.2 | 3110 | 9.8 | 16 | 1.7 | 319.0 | 3108 | 8.0 | 29 | 2.8 | 320.3 | 3105 | 11.0 | 19 | 2.3 | 322.1 | 3146 | 700 |
| 725 | 11.4 | 13 | 1.5 | 317.1 | 2819 | 12.1 | 14 | 1.6 | 318.3 | 2816 | 10.0 | 21 | 2.2 | 317.7 | 2814 | 13.0 | 18 | 2.3 | 321.5 | 2852 | 725 |
| 750 | 11.6 | 47 | 5.3 | 325.7 | 2535 | 10.2 | 12 | 1.2 | 311.7 | 2531 | 11.2 | 27 | 3.0 | 318.3 | 2532 | 14.7 | 18 | 2.5 | 320.8 | 2567 | 750 |
| 775 | 13.5 | 44 | 5.5 | 325.2 | 2260 | 8.8 | 55 | 5.1 | 318.6 | 2261 | 12.5 | 37 | 4.3 | 320.5 | 2258 | 15.5 | 21 | 3.0 | 320.1 | 2289 | 775 |
| 800 | 14.5 | 55 | 7.2 | 328.3 | 1992 | 13.4 | 99 | 12.1 | 340.6 | 1994 | 13.6 | 59 | 7.3 | 327.4 | 1991 | 15.8 | 43 | 6.1 | 326.8 | 2020 | 800 |
| 825 | 13.9 | 96 | 11.7 | 337.3 | 1732 | 15.1 | 98 | 13.0 | 342.2 | 1733 | 13.0 | 89 | 10.3 | 332.1 | 1731 | 17.3 | 46 | 6.9 | 327.7 | 1758 | 825 |
| 850 | 15.4 | 98 | 12.8 | 339.2 | 1478 | 16.6 | 97 | 13.7 | 343.2 | 1479 | 14.2 | 91 | 11.0 | 332.7 | 1479 | 19.4 | 46 | 7.7 | 329.6 | 1502 | 850 |
| 875 | 17.0 | 97 | 13.7 | 340.6 | 1231 | 18.1 | 96 | 14.5 | 344.3 | 1230 | 15.4 | 93 | 11.8 | 333.4 | 1233 | 20.5 | 59 | 10.2 | 335.3 | 1252 | 875 |
| 900 | 18.6 | 96 | 14.6 | 342.1 | 988 | 19.5 | 95 | 15.3 | 345.4 | 987 | 16.5 | 95 | 12.6 | 334.1 | 992 | 20.0 | 65 | 10.6 | 333.1 | 1008 | 900 |
| 925 | 20.1 | 95 | 15.4 | 343.6 | 752 | 20.9 | 94 | 16.1 | 346.5 | 749 | 17.8 | 94 | 13.2 | 334.8 | 758 | 21.6 | 63 | 11.1 | 333.6 | 771 | 925 |
| 950 | 21.5 | 95 | 16.3 | 345.2 | 520 | 22.3 | 93 | 16.9 | 347.6 | 517 | 19.3 | 92 | 13.8 | 335.4 | 528 | 21.8 | 62 | 10.8 | 330.3 | 539 | 950 |
| 975 | 23.0 | 94 | 17.2 | 346.8 | 293 | 23.6 | 92 | 17.6 | 348.7 | 289 | 20.7 | 90 | 14.3 | 336.1 | 303 | 24.0 | 61 | 11.8 | 333.2 | 312 | 975 |
| 1000 | 24.6 | 92 | 18.3 | 349.2 | 70 | 24.9 | 91 | 18.4 | 349.9 | 66 | 23.8 | 90 | 17.0 | 344.6 | 83 | 26.6 | 61 | 13.6 | 339.1 | 90 | 1000 |
| SFC. | 25.5 | 91 | 18.9 | 351.0 | 0 | 25.3 | 91 | 18.7 | 350.2 | 0 | 26.0 | 91 | 19.4 | 353.1 | 0 | 30.4 | 69 | 19.0 | 357.8 | 0 | SFC. |
| | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1009.4 | | | | | SURFACE PRESSURE 1010.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 4 0115 GMT T | RH | W | EPT | H | 4/ 4 0310 GMT T | RH | W | EPT | H | 4/ 4 0730 GMT T | RH | W | EPT | H | 4/ 4 1146 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.7 | 0 | 0.0 | 461.7 | 19448 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.5 | 0 | 0.0 | 466.5 | 19503 | -64.2 | 0 | 0.0 | 467.1 | 19468 | 60 |
| 70 | -71.3 | 0 | 0.0 | 431.8 | 18525 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.2 | 0 | 0.0 | 438.5 | 18565 | -67.6 | 0 | 0.0 | 439.8 | 18531 | 70 |
| 80 | -73.0 | 0 | 0.0 | 412.3 | 17739 | -72.8 | 28 | .0 | 412.6 | 17801 | -73.7 | 15 | .0 | 410.8 | 17773 | -72.4 | 20 | .0 | 413.5 | 17735 | 80 |
| 90 | -75.5 | 18 | .0 | 393.5 | 17053 | -76.5 | 26 | .0 | 391.6 | 17117 | -79.6 | 15 | .0 | 385.4 | 17097 | -78.7 | 22 | .0 | 387.2 | 17054 | 90 |
| 100 | -78.0 | 19 | .0 | 377.1 | 16447 | -77.7 | 26 | .0 | 377.6 | 16514 | -78.6 | 15 | .0 | 375.9 | 16499 | -78.5 | 24 | .0 | 376.1 | 16458 | 100 |
| 110 | -75.7 | 19 | .0 | 371.1 | 15899 | -74.9 | 30 | .0 | 372.7 | 15964 | -77.6 | 15 | .0 | 367.6 | 15954 | -78.4 | 22 | .0 | 366.2 | 15915 | 110 |
| 120 | -75.0 | 19 | .0 | 363.5 | 15394 | -74.9 | 29 | .0 | 363.6 | 15460 | -76.2 | 15 | .0 | 361.1 | 15455 | -78.3 | 19 | .0 | 357.3 | 15418 | 120 |
| 130 | -73.3 | 19 | .0 | 358.2 | 14928 | -72.0 | 27 | .0 | 360.6 | 14992 | -73.1 | 15 | .0 | 358.6 | 14989 | -75.4 | 19 | .0 | 354.4 | 14959 | 130 |
| 140 | -71.8 | 19 | .0 | 353.3 | 14492 | -69.3 | 25 | .0 | 357.7 | 14553 | -70.2 | 15 | .0 | 356.1 | 14552 | -72.1 | 18 | .0 | 352.9 | 14526 | 140 |
| 150 | -70.4 | 19 | .0 | 348.9 | 14084 | -66.8 | 23 | .0 | 355.0 | 14138 | -67.5 | 14 | .0 | 353.8 | 14139 | -68.9 | 18 | .0 | 351.4 | 14117 | 150 |
| 160 | -67.1 | 18 | .0 | 348.1 | 13698 | -64.5 | 21 | .0 | 352.5 | 13746 | -65.0 | 14 | .0 | 351.6 | 13748 | -66.0 | 18 | .0 | 349.9 | 13728 | 160 |
| 170 | -64.0 | 17 | .0 | 347.2 | 13329 | -62.0 | 23 | .0 | 350.6 | 13373 | -62.6 | 14 | .0 | 349.5 | 13377 | -62.7 | 17 | .0 | 349.4 | 13357 | 170 |
| 180 | -60.7 | 17 | .0 | 347.0 | 12976 | -59.5 | 27 | .0 | 349.1 | 13018 | -60.4 | 14 | .0 | 347.5 | 13022 | -59.5 | 17 | .0 | 348.9 | 13002 | 180 |
| 190 | -57.5 | 17 | .0 | 346.9 | 12637 | -57.0 | 31 | .0 | 347.7 | 12678 | -57.1 | 13 | .0 | 347.4 | 12683 | -56.6 | 16 | .0 | 348.4 | 12661 | 190 |
| 200 | -54.5 | 17 | .0 | 346.6 | 12311 | -53.9 | 29 | .0 | 347.6 | 12361 | -54.0 | 13 | .0 | 347.3 | 12356 | -53.7 | 16 | .0 | 347.8 | 12334 | 200 |
| 225 | -47.8 | 17 | .0 | 345.5 | 11545 | -46.9 | 25 | .1 | 346.9 | 11582 | -46.9 | 11 | .0 | 346.8 | 11588 | -47.5 | 15 | .0 | 345.8 | 11566 | 225 |
| 250 | -43.6 | 18 | .1 | 341.5 | 10843 | -41.6 | 21 | .1 | 344.6 | 10875 | -41.6 | 11 | .0 | 344.4 | 10882 | -42.5 | 16 | .1 | 343.2 | 10862 | 250 |
| 275 | -39.5 | 18 | .1 | 338.4 | 10197 | -37.6 | 25 | .1 | 341.4 | 10223 | -36.8 | 11 | .1 | 342.1 | 10229 | -37.9 | 17 | .1 | 340.7 | 10212 | 275 |
| 300 | -34.4 | 17 | .1 | 337.4 | 9595 | -33.8 | 29 | .2 | 338.7 | 9618 | -32.9 | 15 | .1 | 339.6 | 9621 | -33.7 | 18 | .1 | 338.4 | 9607 | 300 |
| 325 | -29.8 | 17 | .2 | 336.3 | 9030 | -29.1 | 32 | .3 | 338.0 | 9052 | -30.0 | 28 | .3 | 336.4 | 9055 | -30.2 | 26 | .2 | 336.1 | 9041 | 325 |
| 350 | -25.6 | 17 | .2 | 335.2 | 8497 | -24.5 | 35 | .5 | 337.8 | 8517 | -26.0 | 35 | .5 | 335.4 | 8523 | -26.1 | 35 | .5 | 335.3 | 8510 | 350 |
| 375 | -21.7 | 17 | .3 | 334.1 | 7993 | -21.3 | 37 | .7 | 336.0 | 8011 | -21.0 | 16 | .3 | 335.0 | 8018 | -21.6 | 27 | .5 | 334.9 | 8006 | 375 |
| 400 | -18.5 | 16 | .4 | 332.3 | 7514 | -18.4 | 34 | .8 | 333.9 | 7532 | -17.4 | 16 | .4 | 333.9 | 7538 | -18.4 | 25 | .6 | 333.2 | 7528 | 400 |
| 425 | -14.7 | 15 | .4 | 331.8 | 7059 | -14.1 | 33 | 1.0 | 334.6 | 7076 | -14.2 | 17 | .5 | 332.6 | 7081 | -15.7 | 36 | .9 | 332.2 | 7072 | 425 |
| 450 | -11.2 | 15 | .5 | 331.2 | 6623 | -11.0 | 35 | 1.3 | 334.0 | 6639 | -11.7 | 21 | .7 | 331.2 | 6645 | -12.4 | 37 | 1.2 | 332.0 | 6639 | 450 |
| 475 | -8.0 | 13 | .6 | 330.2 | 6206 | -8.0 | 28 | 1.2 | 332.5 | 6221 | -10.1 | 27 | 1.0 | 329.1 | 6230 | -10.1 | 37 | 1.4 | 330.3 | 6223 | 475 |
| 500 | -6.4 | 18 | .9 | 328.4 | 5806 | -5.6 | 30 | 1.5 | 331.5 | 5821 | -6.6 | 14 | .7 | 327.4 | 5832 | -6.7 | 21 | 1.0 | 328.3 | 5825 | 500 |
| 525 | -4.4 | 21 | 1.1 | 327.0 | 5423 | -3.3 | 32 | 1.8 | 330.7 | 5436 | -4.3 | 31 | 1.6 | 328.8 | 5450 | -4.5 | 37 | 1.9 | 329.6 | 5442 | 525 |
| 550 | -1.8 | 18 | 1.1 | 325.7 | 5055 | -1.1 | 33 | 2.1 | 330.0 | 5067 | -2.0 | 27 | 1.6 | 327.3 | 5082 | -2.3 | 36 | 2.1 | 328.5 | 5074 | 550 |
| 575 | -.9 | 36 | 2.2 | 326.4 | 4701 | 1.0 | 35 | 2.5 | 329.4 | 4711 | .2 | 45 | 3.0 | 330.1 | 4727 | -.2 | 41 | 2.7 | 328.7 | 4720 | 575 |
| 600 | 1.8 | 19 | 1.4 | 322.9 | 4360 | 2.9 | 36 | 2.9 | 329.0 | 4367 | 1.7 | 36 | 2.6 | 326.7 | 4384 | 1.8 | 42 | 3.0 | 328.1 | 4378 | 600 |
| 625 | 3.7 | 34 | 2.7 | 325.6 | 4029 | 4.3 | 57 | 4.8 | 332.7 | 4036 | 3.0 | 85 | 6.5 | 336.2 | 4054 | 3.7 | 49 | 3.9 | 329.4 | 4047 | 625 |
| 650 | 5.2 | 47 | 4.0 | 327.6 | 3710 | 6.4 | 56 | 5.2 | 332.8 | 3715 | 5.7 | 57 | 5.0 | 331.3 | 3735 | 5.7 | 64 | 5.6 | 333.1 | 3727 | 650 |
| 675 | 7.6 | 24 | 2.3 | 321.8 | 3400 | 8.4 | 43 | 4.5 | 329.3 | 3404 | 7.9 | 28 | 2.7 | 323.5 | 3424 | 7.6 | 43 | 4.1 | 327.4 | 3417 | 675 |
| 700 | 9.7 | 19 | 2.0 | 320.0 | 3100 | 10.3 | 39 | 4.3 | 327.7 | 3102 | 9.6 | 23 | 2.5 | 321.2 | 3124 | 9.5 | 32 | 3.4 | 324.0 | 3116 | 700 |
| 725 | 11.3 | 19 | 2.2 | 319.1 | 2808 | 12.0 | 39 | 4.8 | 327.8 | 2809 | 11.2 | 25 | 2.8 | 320.9 | 2832 | 11.3 | 33 | 3.8 | 324.1 | 2824 | 725 |
| 750 | 12.9 | 19 | 2.4 | 318.3 | 2524 | 13.6 | 43 | 5.6 | 328.7 | 2524 | 12.7 | 26 | 3.2 | 320.6 | 2548 | 13.1 | 34 | 4.2 | 324.2 | 2540 | 750 |
| 775 | 14.4 | 22 | 2.9 | 318.8 | 2248 | 14.9 | 51 | 7.0 | 331.2 | 2247 | 14.2 | 27 | 3.6 | 320.4 | 2272 | 14.4 | 45 | 6.0 | 327.7 | 2264 | 775 |
| 800 | 15.8 | 29 | 4.1 | 320.9 | 1980 | 15.8 | 54 | 7.6 | 331.1 | 1978 | 15.6 | 29 | 4.0 | 320.3 | 2004 | 15.5 | 50 | 6.8 | 328.5 | 1995 | 800 |
| 825 | 16.6 | 36 | 5.2 | 322.0 | 1718 | 16.3 | 51 | 7.3 | 327.7 | 1716 | 17.0 | 30 | 4.4 | 320.3 | 1742 | 16.3 | 54 | 7.6 | 328.7 | 1733 | 825 |
| 850 | 17.0 | 46 | 6.6 | 323.8 | 1464 | 18.1 | 47 | 7.3 | 327.0 | 1461 | 17.9 | 40 | 6.0 | 323.2 | 1487 | 17.9 | 40 | 6.1 | 323.3 | 1479 | 850 |
| 875 | 17.5 | 61 | 8.7 | 327.6 | 1216 | 19.1 | 53 | 8.4 | 328.5 | 1212 | 18.9 | 37 | 5.9 | 321.1 | 1239 | 18.2 | 54 | 8.1 | 326.6 | 1230 | 875 |
| 900 | 18.7 | 58 | 8.7 | 326.3 | 975 | 20.1 | 58 | 9.5 | 330.2 | 969 | 19.8 | 51 | 8.2 | 326.1 | 997 | 17.7 | 83 | 11.8 | 333.4 | 989 | 900 |
| 925 | 20.9 | 33 | 5.5 | 317.2 | 738 | 19.2 | 88 | 13.4 | 337.1 | 733 | 20.0 | 85 | 13.6 | 338.6 | 760 | 19.2 | 89 | 13.6 | 337.4 | 753 | 925 |
| 950 | 20.9 | 64 | 10.4 | 328.4 | 508 | 21.1 | 86 | 14.5 | 339.7 | 502 | 21.7 | 84 | 14.6 | 340.7 | 529 | 21.1 | 86 | 14.4 | 339.5 | 522 | 950 |
| 975 | 22.8 | 62 | 11.2 | 330.2 | 282 | 23.8 | 74 | 14.2 | 339.5 | 275 | 23.3 | 83 | 15.6 | 342.7 | 302 | 23.0 | 83 | 15.2 | 341.5 | 295 | 975 |
| 1000 | 25.8 | 62 | 13.0 | 336.3 | 60 | 26.1 | 71 | 15.3 | 342.9 | 52 | 24.9 | 82 | 16.6 | 344.9 | 79 | 24.9 | 80 | 16.1 | 343.4 | 73 | 1000 |
| SFC. | 30.2 | 64 | 17.4 | 353.5 | 0 | 26.6 | 74 | 16.4 | 345.8 | 0 | 25.5 | 82 | 16.9 | 345.7 | 0 | 25.5 | 79 | 16.3 | 344.0 | 0 | SFC. |
| | SURFACE PRESSURE 1006.8 | | | | | SURFACE PRESSURE 1005.9 | | | | | SURFACE PRESSURE 1009.0 | | | | | SURFACE PRESSURE 1008.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 4 1439 GMT T | RH | W | EPT | H | 4/ 4 1743 GMT T | RH | W | EPT | H | 4/ 4 2355 GMT T | RH | W | EPT | H | 4/ 5 650 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.7 | 0 | 0.0 | 463.9 | 19444 | -65.2 | 0 | 0.0 | 465.0 | 19583 | -63.1 | 0 | 0.0 | 469.7 | 19518 | -63.8 | 15 | .0 | 468.2 | 19579 | 60 |
| 70 | -67.3 | 0 | 0.0 | 440.5 | 18511 | -65.5 | 0 | 0.0 | 444.3 | 18645 | -68.6 | 0 | 0.0 | 437.6 | 18591 | -70.4 | 16 | .0 | 433.8 | 18646 | 70 |
| 80 | -72.7 | 18 | .0 | 412.9 | 17714 | -67.7 | 0 | 0.0 | 423.2 | 17838 | -69.9 | 20 | .0 | 418.6 | 17798 | -71.4 | 16 | .0 | 415.5 | 17857 | 80 |
| 90 | -79.1 | 19 | .0 | 386.4 | 17034 | -75.6 | 19 | .0 | 393.4 | 17142 | -77.0 | 20 | .0 | 390.6 | 17109 | -76.1 | 16 | .0 | 392.4 | 17163 | 90 |
| 100 | -78.1 | 19 | .0 | 376.9 | 16433 | -76.9 | 19 | .0 | 379.2 | 16538 | -77.6 | 20 | .0 | 377.8 | 16506 | -78.5 | 16 | .0 | 376.1 | 16561 | 100 |
| 110 | -77.9 | 19 | .0 | 367.0 | 15889 | -75.8 | 20 | .0 | 371.0 | 15989 | -74.9 | 20 | .0 | 372.7 | 15957 | -74.6 | 16 | .0 | 373.4 | 16012 | 110 |
| 120 | -77.8 | 19 | .0 | 358.3 | 15391 | -75.4 | 20 | .0 | 362.7 | 15484 | -76.2 | 20 | .0 | 361.2 | 15452 | -77.2 | 16 | .0 | 359.3 | 15506 | 120 |
| 130 | -74.5 | 19 | .0 | 356.0 | 14929 | -74.2 | 20 | .0 | 356.6 | 15021 | -73.4 | 20 | .0 | 358.1 | 14987 | -74.6 | 16 | .0 | 355.9 | 15045 | 130 |
| 140 | -71.5 | 19 | .0 | 353.8 | 14495 | -70.9 | 19 | .0 | 354.9 | 14586 | -70.8 | 20 | .0 | 355.1 | 14550 | -71.2 | 16 | .0 | 354.4 | 14610 | 140 |
| 150 | -68.7 | 18 | .0 | 351.7 | 14085 | -67.8 | 19 | .0 | 353.3 | 14174 | -68.3 | 20 | .0 | 352.4 | 14139 | -68.0 | 15 | .0 | 353.0 | 14199 | 150 |
| 160 | -66.1 | 18 | .0 | 349.8 | 13696 | -64.9 | 19 | .0 | 351.8 | 13784 | -66.0 | 20 | .0 | 350.0 | 13750 | -65.0 | 15 | .0 | 351.6 | 13808 | 160 |
| 170 | -63.3 | 18 | .0 | 348.4 | 13326 | -62.2 | 18 | .0 | 350.2 | 13411 | -62.8 | 20 | .0 | 349.3 | 13379 | -62.2 | 15 | .0 | 350.2 | 13436 | 170 |
| 180 | -60.2 | 18 | .0 | 347.7 | 12972 | -59.4 | 18 | .0 | 349.2 | 13056 | -59.7 | 20 | .0 | 348.6 | 13024 | -59.6 | 15 | .0 | 348.8 | 13081 | 180 |
| 190 | -57.3 | 17 | .0 | 347.1 | 12633 | -56.4 | 18 | .0 | 348.6 | 12715 | -56.9 | 19 | .0 | 347.9 | 12684 | -56.6 | 15 | .0 | 348.3 | 12741 | 190 |
| 200 | -54.6 | 17 | .0 | 346.4 | 12307 | -53.6 | 18 | .0 | 348.0 | 12387 | -54.2 | 19 | .0 | 347.1 | 12357 | -53.7 | 14 | .0 | 347.9 | 12413 | 200 |
| 225 | -48.2 | 17 | .0 | 344.7 | 11542 | -47.1 | 17 | .0 | 346.5 | 11619 | -47.8 | 19 | .0 | 345.5 | 11591 | -47.1 | 14 | .0 | 346.5 | 11645 | 225 |
| 250 | -42.6 | 16 | .1 | 343.0 | 10839 | -41.4 | 17 | .1 | 344.9 | 10913 | -42.0 | 19 | .1 | 343.9 | 10887 | -41.7 | 13 | .1 | 344.4 | 10938 | 250 |
| 275 | -37.5 | 16 | .1 | 341.4 | 10188 | -36.1 | 16 | .1 | 343.3 | 10258 | -36.8 | 18 | .1 | 342.3 | 10234 | -37.1 | 12 | .1 | 341.8 | 10286 | 275 |
| 300 | -33.9 | 18 | .1 | 338.2 | 9583 | -31.4 | 16 | .1 | 341.8 | 9648 | -32.1 | 18 | .2 | 340.8 | 9626 | -32.0 | 12 | .1 | 340.7 | 9678 | 300 |
| 325 | -30.8 | 25 | .2 | 335.2 | 9018 | -29.1 | 20 | .2 | 337.5 | 9079 | -28.9 | 21 | .2 | 337.7 | 9057 | -28.3 | 19 | .2 | 338.6 | 9108 | 325 |
| 350 | -27.2 | 40 | .5 | 333.9 | 8488 | -26.1 | 22 | .3 | 334.7 | 8547 | -25.5 | 22 | .3 | 335.6 | 8523 | -25.2 | 27 | .4 | 336.3 | 8574 | 350 |
| 375 | -23.1 | 34 | .5 | 333.1 | 7987 | -21.4 | 21 | .4 | 334.7 | 8043 | -21.9 | 22 | .4 | 334.2 | 8019 | -20.8 | 21 | .4 | 335.6 | 8068 | 375 |
| 400 | -19.2 | 29 | .6 | 332.3 | 7511 | -17.0 | 19 | .5 | 334.7 | 7563 | -17.5 | 19 | .5 | 334.0 | 7540 | -16.7 | 15 | .4 | 334.8 | 7587 | 400 |
| 425 | -15.8 | 32 | .8 | 331.7 | 7057 | -13.9 | 19 | .6 | 333.4 | 7105 | -14.3 | 19 | .6 | 332.7 | 7083 | -13.0 | 16 | .5 | 334.4 | 7129 | 425 |
| 450 | -12.7 | 35 | 1.1 | 331.3 | 6623 | -11.0 | 19 | .7 | 332.0 | 6668 | -11.3 | 18 | .7 | 331.5 | 6647 | -9.5 | 18 | .7 | 334.0 | 6690 | 450 |
| 475 | -10.3 | 39 | 1.4 | 330.2 | 6208 | -8.4 | 18 | .8 | 330.4 | 6251 | -8.6 | 18 | .8 | 330.2 | 6230 | -6.2 | 19 | .9 | 333.8 | 6270 | 475 |
| 500 | -7.8 | 34 | 1.4 | 328.5 | 5812 | -6.6 | 30 | 1.4 | 329.9 | 5851 | -6.2 | 19 | .9 | 328.8 | 5831 | -3.7 | 22 | 1.2 | 333.0 | 5866 | 500 |
| 525 | -5.0 | 33 | 1.6 | 328.1 | 5430 | -3.8 | 23 | 1.3 | 328.3 | 5468 | -3.8 | 22 | 1.2 | 328.2 | 5447 | -1.6 | 25 | 1.6 | 332.1 | 5480 | 525 |
| 550 | -2.7 | 41 | 2.3 | 328.7 | 5063 | -1.4 | 39 | 2.5 | 330.8 | 5099 | -1.4 | 25 | 1.6 | 327.9 | 5079 | .4 | 28 | 2.0 | 331.4 | 5108 | 550 |
| 575 | -.7 | 44 | 2.8 | 328.5 | 4709 | 1.3 | 31 | 2.2 | 329.0 | 4743 | .8 | 28 | 2.0 | 327.7 | 4723 | 2.3 | 31 | 2.4 | 330.9 | 4750 | 575 |
| 600 | 1.3 | 46 | 3.2 | 328.1 | 4367 | 3.0 | 43 | 3.4 | 330.8 | 4400 | 2.9 | 31 | 2.5 | 327.7 | 4380 | 4.2 | 37 | 3.2 | 331.5 | 4405 | 600 |
| 625 | 3.1 | 62 | 4.8 | 331.1 | 4038 | 4.9 | 35 | 3.0 | 328.1 | 4068 | 4.9 | 34 | 3.0 | 327.9 | 4048 | 6.0 | 49 | 4.6 | 334.3 | 4072 | 625 |
| 650 | 5.3 | 57 | 4.9 | 330.5 | 3718 | 7.4 | 43 | 4.2 | 330.9 | 3746 | 7.0 | 32 | 3.1 | 327.2 | 3727 | 7.9 | 40 | 4.1 | 331.1 | 3749 | 650 |
| 675 | 7.6 | 47 | 4.5 | 328.5 | 3408 | 9.3 | 38 | 4.1 | 329.3 | 3434 | 9.1 | 29 | 3.1 | 325.9 | 3415 | 9.6 | 31 | 3.4 | 327.7 | 3437 | 675 |
| 700 | 9.4 | 32 | 3.4 | 323.9 | 3107 | 10.9 | 25 | 2.9 | 324.0 | 3132 | 11.1 | 25 | 3.0 | 324.5 | 3113 | 11.3 | 22 | 2.7 | 323.9 | 3134 | 700 |
| 725 | 11.0 | 33 | 3.7 | 323.5 | 2815 | 12.7 | 25 | 3.1 | 323.5 | 2839 | 12.5 | 27 | 3.4 | 324.1 | 2820 | 13.4 | 24 | 3.2 | 324.5 | 2840 | 725 |
| 750 | 12.5 | 34 | 4.1 | 323.1 | 2532 | 14.4 | 24 | 3.3 | 322.9 | 2553 | 13.8 | 29 | 3.9 | 323.9 | 2535 | 15.8 | 36 | 5.4 | 330.9 | 2554 | 750 |
| 775 | 13.4 | 48 | 5.9 | 326.4 | 2256 | 15.7 | 35 | 5.0 | 326.2 | 2276 | 15.1 | 32 | 4.4 | 323.8 | 2258 | 17.5 | 39 | 6.3 | 332.3 | 2274 | 775 |
| 800 | 14.4 | 48 | 6.2 | 325.3 | 1988 | 16.5 | 38 | 5.6 | 325.9 | 2006 | 16.3 | 34 | 4.9 | 323.8 | 1989 | 18.4 | 29 | 4.9 | 326.2 | 2003 | 800 |
| 825 | 15.9 | 60 | 8.3 | 330.0 | 1728 | 16.8 | 38 | 5.5 | 323.1 | 1744 | 17.5 | 36 | 5.5 | 323.9 | 1726 | 19.3 | 20 | 3.5 | 320.0 | 1739 | 825 |
| 850 | 17.4 | 42 | 6.2 | 323.0 | 1473 | 18.0 | 33 | 5.1 | 320.6 | 1489 | 18.6 | 39 | 6.1 | 324.2 | 1471 | 19.8 | 35 | 6.0 | 325.3 | 1482 | 850 |
| 875 | 18.4 | 46 | 7.0 | 323.8 | 1225 | 18.0 | 56 | 8.4 | 327.1 | 1241 | 18.5 | 54 | 8.3 | 327.4 | 1222 | 20.0 | 60 | 10.1 | 334.5 | 1232 | 875 |
| 900 | 17.6 | 84 | 11.9 | 333.8 | 983 | 18.3 | 76 | 11.2 | 332.6 | 999 | 19.7 | 60 | 9.7 | 330.0 | 980 | 19.6 | 89 | 14.3 | 342.8 | 989 | 900 |
| 925 | 19.0 | 91 | 13.7 | 337.5 | 748 | 19.8 | 81 | 12.8 | 336.2 | 763 | 20.9 | 65 | 11.1 | 332.8 | 743 | 20.9 | 91 | 15.5 | 344.8 | 751 | 925 |
| 950 | 20.9 | 88 | 14.6 | 339.7 | 517 | 21.4 | 84 | 14.3 | 339.5 | 532 | 22.2 | 69 | 12.4 | 335.4 | 511 | 22.3 | 91 | 16.4 | 346.4 | 519 | 950 |
| 975 | 22.7 | 86 | 15.6 | 341.9 | 291 | 23.4 | 78 | 14.6 | 340.3 | 305 | 24.2 | 64 | 12.5 | 335.4 | 284 | 23.6 | 91 | 17.4 | 348.0 | 291 | 975 |
| 1000 | 24.5 | 84 | 16.5 | 344.1 | 68 | 25.4 | 72 | 14.9 | 340.8 | 83 | 26.5 | 62 | 13.5 | 338.6 | 61 | 24.9 | 91 | 18.3 | 349.6 | 69 | 1000 |
| SFC. | 25.1 | 83 | 16.8 | 344.8 | 0 | 26.0 | 72 | 15.3 | 341.7 | 0 | 27.7 | 66 | 15.5 | 344.8 | 0 | 25.3 | 91 | 18.7 | 350.2 | 0 | SFC. |
| | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1009.4 | | | | | SURFACE PRESSURE 1006.9 | | | | | SURFACE PRESSURE 1007.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 4/ 5 12 0 GMT | | | | | 4/ 5 1455 GMT | | | | | 4/ 5 18 5 GMT | | | | | 4/ 6 0 5 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.0 | 0 | 0.0 | 465.4 | 19517 | -65.2 | 0 | 0.0 | 465.0 | 19503 | -63.8 | 0 | 0.0 | 468.1 | 19557 | -64.6 | 0 | 0.0 | 466.3 | 19619 | 60 |
| 70 | -71.6 | 0 | 0.0 | 431.3 | 18584 | -69.7 | 0 | 0.0 | 435.2 | 18572 | -62.8 | 0 | 0.0 | 450.0 | 18605 | -65.3 | 0 | 0.0 | 444.6 | 18677 | 70 |
| 80 | -72.0 | 16 | .0 | 414.3 | 17801 | -71.9 | 12 | .0 | 414.5 | 17780 | -70.2 | 0 | 0.0 | 417.9 | 17797 | -69.5 | 20 | .0 | 419.4 | 17871 | 80 |
| 90 | -78.3 | 16 | .0 | 388.0 | 17113 | -78.3 | 13 | .0 | 388.0 | 17097 | -76.4 | 20 | .0 | 391.9 | 17106 | -74.3 | 20 | .0 | 395.9 | 17177 | 90 |
| 100 | -79.3 | 16 | .0 | 374.5 | 16516 | -80.2 | 13 | .0 | 372.9 | 16502 | -80.2 | 20 | .0 | 372.7 | 16508 | -78.6 | 20 | .0 | 375.9 | 16570 | 100 |
| 110 | -76.6 | 16 | .0 | 369.6 | 15970 | -77.6 | 13 | .0 | 367.7 | 15959 | -77.3 | 20 | .0 | 368.2 | 15965 | -77.6 | 20 | .0 | 367.6 | 16024 | 110 |
| 120 | -77.5 | 16 | .0 | 358.8 | 15470 | -77.4 | 13 | .0 | 359.0 | 15462 | -77.3 | 20 | .0 | 359.2 | 15466 | -78.3 | 20 | .0 | 357.3 | 15528 | 120 |
| 130 | -74.2 | 16 | .0 | 356.6 | 15008 | -74.9 | 12 | .0 | 355.4 | 15000 | -74.8 | 20 | .0 | 355.5 | 15004 | -74.6 | 20 | .0 | 356.0 | 15067 | 130 |
| 140 | -70.7 | 16 | .0 | 355.2 | 14572 | -71.3 | 12 | .0 | 354.1 | 14566 | -72.0 | 20 | .0 | 353.0 | 14571 | -71.1 | 20 | .0 | 354.6 | 14632 | 140 |
| 150 | -67.3 | 16 | .0 | 354.1 | 14160 | -67.8 | 11 | .0 | 353.4 | 14155 | -68.6 | 20 | .0 | 351.9 | 14161 | -67.9 | 20 | .0 | 353.2 | 14221 | 150 |
| 160 | -64.3 | 16 | .0 | 352.9 | 13768 | -64.4 | 11 | .0 | 352.6 | 13763 | -65.5 | 19 | .0 | 350.8 | 13771 | -64.9 | 20 | .0 | 351.9 | 13830 | 160 |
| 170 | -61.7 | 16 | .0 | 351.1 | 13395 | -61.4 | 11 | .0 | 351.5 | 13390 | -62.5 | 19 | .0 | 349.8 | 13400 | -62.0 | 20 | .0 | 350.6 | 13457 | 170 |
| 180 | -59.2 | 15 | .0 | 349.4 | 13039 | -58.9 | 11 | .0 | 349.9 | 13033 | -59.4 | 19 | .0 | 349.2 | 13045 | -58.7 | 20 | .0 | 350.4 | 13101 | 180 |
| 190 | -56.6 | 15 | .0 | 348.3 | 12698 | -56.5 | 11 | .0 | 348.4 | 12692 | -56.4 | 19 | .0 | 348.6 | 12704 | -55.5 | 19 | .0 | 350.0 | 12759 | 190 |
| 200 | -53.6 | 15 | .0 | 347.9 | 12371 | -54.3 | 11 | .0 | 346.9 | 12365 | -53.7 | 18 | .0 | 347.9 | 12376 | -52.6 | 19 | .0 | 349.6 | 12430 | 200 |
| 225 | -46.9 | 14 | .0 | 346.9 | 11602 | -47.6 | 11 | .0 | 345.7 | 11599 | -47.3 | 18 | .0 | 346.2 | 11608 | -45.8 | 18 | .1 | 348.6 | 11657 | 225 |
| 250 | -40.8 | 14 | .1 | 345.7 | 10894 | -41.4 | 10 | .0 | 344.7 | 10893 | -41.6 | 18 | .1 | 344.5 | 10903 | -39.7 | 17 | .1 | 347.4 | 10946 | 250 |
| 275 | -36.8 | 15 | .1 | 342.4 | 10239 | -36.2 | 10 | .1 | 343.1 | 10239 | -36.4 | 17 | .1 | 342.9 | 10249 | -34.4 | 16 | .1 | 345.9 | 10287 | 275 |
| 300 | -32.2 | 14 | .1 | 340.5 | 9632 | -32.6 | 10 | .1 | 339.7 | 9631 | -32.0 | 17 | .2 | 340.9 | 9640 | -29.5 | 16 | .2 | 344.5 | 9673 | 300 |
| 325 | -27.6 | 13 | .2 | 339.3 | 9061 | -27.7 | 10 | .1 | 339.0 | 9061 | -27.8 | 17 | .2 | 339.2 | 9070 | -25.1 | 15 | .2 | 343.1 | 9096 | 325 |
| 350 | -25.7 | 18 | .2 | 335.1 | 8526 | -24.5 | 11 | .2 | 336.4 | 8524 | -23.2 | 16 | .3 | 338.6 | 8533 | -22.0 | 16 | .3 | 340.3 | 8555 | 350 |
| 375 | -21.5 | 17 | .3 | 334.4 | 8021 | -21.6 | 14 | .3 | 334.0 | 8019 | -22.0 | 19 | .3 | 333.8 | 8027 | -17.6 | 15 | .4 | 339.9 | 8043 | 375 |
| 400 | -17.6 | 17 | .4 | 333.7 | 7542 | -17.8 | 13 | .3 | 333.1 | 7540 | -18.0 | 20 | .5 | 333.3 | 7548 | -16.9 | 17 | .4 | 334.7 | 7557 | 400 |
| 425 | -13.9 | 17 | .5 | 333.2 | 7085 | -14.0 | 12 | .4 | 332.5 | 7083 | -14.3 | 22 | .6 | 333.0 | 7092 | -12.9 | 17 | .6 | 334.5 | 7099 | 425 |
| 450 | -10.3 | 17 | .7 | 332.7 | 6648 | -10.3 | 11 | .4 | 331.8 | 6646 | -10.8 | 23 | .8 | 332.8 | 6655 | -9.2 | 17 | .7 | 334.4 | 6660 | 450 |
| 475 | -7.8 | 30 | 1.4 | 333.1 | 6229 | -7.5 | 17 | .8 | 331.6 | 6227 | -8.3 | 18 | .8 | 330.5 | 6238 | -6.1 | 17 | .9 | 333.6 | 6239 | 475 |
| 500 | -5.6 | 42 | 2.1 | 333.5 | 5828 | -6.0 | 39 | 1.9 | 332.3 | 5827 | -6.8 | 42 | 1.9 | 331.3 | 5839 | -4.3 | 17 | .9 | 331.2 | 5836 | 500 |
| 525 | -4.3 | 39 | 2.0 | 330.2 | 5444 | -3.8 | 32 | 1.7 | 329.8 | 5443 | -4.7 | 35 | 1.8 | 329.0 | 5456 | -2.5 | 31 | 1.9 | 331.8 | 5451 | 525 |
| 550 | -2.1 | 56 | 3.3 | 332.6 | 5076 | -1.8 | 45 | 2.7 | 331.1 | 5074 | -2.6 | 44 | 2.5 | 329.4 | 5088 | -.3 | 32 | 2.2 | 331.1 | 5080 | 550 |
| 575 | 1.0 | 21 | 1.5 | 326.3 | 4721 | .8 | 32 | 2.2 | 328.4 | 4719 | .2 | 38 | 2.6 | 328.9 | 4734 | 1.8 | 33 | 2.5 | 330.5 | 4723 | 575 |
| 600 | 3.0 | 33 | 2.6 | 328.1 | 4377 | 2.9 | 33 | 2.6 | 328.0 | 4376 | 2.7 | 33 | 2.6 | 327.9 | 4391 | 3.5 | 22 | 1.8 | 326.4 | 4379 | 600 |
| 625 | 4.9 | 59 | 5.1 | 334.3 | 4045 | 4.5 | 52 | 4.4 | 331.8 | 4044 | 4.4 | 40 | 3.4 | 328.4 | 4060 | 5.7 | 28 | 2.6 | 327.6 | 4046 | 625 |
| 650 | 6.8 | 46 | 4.4 | 330.8 | 3724 | 6.7 | 39 | 3.7 | 328.5 | 3723 | 6.0 | 44 | 4.0 | 328.5 | 3739 | 7.7 | 29 | 2.9 | 327.2 | 3724 | 650 |
| 675 | 8.6 | 31 | 3.2 | 325.8 | 3413 | 8.8 | 26 | 2.7 | 324.6 | 3412 | 8.1 | 34 | 3.4 | 325.7 | 3429 | 9.7 | 20 | 2.3 | 324.1 | 3412 | 675 |
| 700 | 10.4 | 21 | 2.4 | 321.8 | 3111 | 10.8 | 17 | 2.0 | 321.2 | 3110 | 10.2 | 26 | 2.8 | 323.0 | 3128 | 11.6 | 18 | 2.2 | 322.8 | 3110 | 700 |
| 725 | 12.2 | 25 | 3.0 | 322.6 | 2819 | 12.5 | 24 | 3.0 | 322.8 | 2817 | 12.3 | 24 | 2.9 | 322.3 | 2835 | 13.5 | 21 | 2.8 | 323.4 | 2816 | 725 |
| 750 | 13.4 | 34 | 4.3 | 324.8 | 2534 | 14.1 | 30 | 4.0 | 324.7 | 2532 | 13.9 | 29 | 3.9 | 324.1 | 2550 | 15.4 | 23 | 3.3 | 324.2 | 2530 | 750 |
| 775 | 15.1 | 40 | 5.5 | 327.0 | 2257 | 15.7 | 36 | 5.1 | 326.8 | 2255 | 15.3 | 39 | 5.4 | 327.2 | 2273 | 17.2 | 25 | 4.0 | 325.1 | 2251 | 775 |
| 800 | 16.7 | 45 | 6.7 | 329.6 | 1988 | 17.2 | 41 | 6.4 | 329.2 | 1984 | 16.8 | 42 | 6.3 | 328.3 | 2003 | 18.2 | 28 | 4.6 | 325.1 | 1980 | 800 |
| 825 | 17.4 | 37 | 5.6 | 324.2 | 1725 | 18.4 | 39 | 6.3 | 327.4 | 1721 | 18.2 | 35 | 5.6 | 325.2 | 1740 | 19.2 | 19 | 3.2 | 319.2 | 1716 | 825 |
| 850 | 17.8 | 55 | 8.3 | 329.4 | 1470 | 19.6 | 35 | 6.0 | 325.0 | 1465 | 18.9 | 44 | 7.1 | 327.5 | 1484 | 19.3 | 37 | 6.1 | 325.1 | 1460 | 850 |
| 875 | 17.0 | 85 | 12.0 | 335.9 | 1221 | 16.5 | 97 | 13.3 | 338.8 | 1216 | 17.3 | 70 | 9.9 | 330.5 | 1235 | 18.2 | 57 | 8.6 | 327.9 | 1211 | 875 |
| 900 | 18.8 | 85 | 13.1 | 338.4 | 979 | 18.5 | 91 | 13.7 | 339.8 | 974 | 18.0 | 79 | 11.4 | 332.8 | 994 | 18.8 | 64 | 9.8 | 329.5 | 969 | 900 |
| 925 | 20.5 | 86 | 14.2 | 340.9 | 743 | 20.5 | 85 | 14.1 | 340.5 | 737 | 19.3 | 83 | 12.8 | 335.4 | 758 | 20.1 | 69 | 11.1 | 331.7 | 733 | 925 |
| 950 | 22.2 | 86 | 15.4 | 343.6 | 510 | 22.4 | 79 | 14.4 | 341.0 | 505 | 20.8 | 87 | 14.2 | 338.5 | 528 | 21.6 | 71 | 12.2 | 333.9 | 501 | 950 |
| 975 | 23.8 | 87 | 16.7 | 346.4 | 283 | 24.1 | 78 | 15.3 | 343.0 | 278 | 23.9 | 83 | 16.2 | 345.1 | 301 | 23.9 | 65 | 12.5 | 335.2 | 275 | 975 |
| 1000 | 25.4 | 87 | 18.0 | 349.4 | 60 | 25.6 | 83 | 17.4 | 348.1 | 55 | 27.0 | 80 | 18.2 | 352.1 | 77 | 27.7 | 65 | 15.4 | 345.1 | 52 | 1000 |
| SFC. | 25.8 | 87 | 18.4 | 350.2 | 0 | 26.0 | 84 | 18.0 | 349.4 | 0 | 28.0 | 79 | 19.0 | 354.6 | 0 | 29.8 | 71 | 19.0 | 357.3 | 0 | SFC. |
| | SURFACE PRESSURE 1006.8 | | | | | SURFACE PRESSURE 1006.2 | | | | | SURFACE PRESSURE 1008.7 | | | | | SURFACE PRESSURE 1005.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 6 540 GMT T | RH | W | EPT | H | 4/ 6 1223 GMT T | RH | W | EPT | H | 4/ 6 15 0 GMT T | RH | W | EPT | H | 4/ 6 18 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -68.0 | 0 | 0.0 | 458.7 | 19543 | -68.7 | 0 | 0.0 | 457.2 | 19488 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.2 | 0 | 0.0 | 460.5 | 19615 | 60 |
| 70 | -70.0 | 15 | .0 | 434.7 | 18618 | -67.2 | 18 | .0 | 440.7 | 18564 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.2 | 0 | 0.0 | 444.9 | 18681 | 70 |
| 80 | -71.0 | 15 | .0 | 416.3 | 17824 | -75.2 | 18 | .0 | 407.6 | 17774 | -75.1 | 17 | .0 | 407.8 | 17821 | -69.3 | 0 | 0.0 | 419.8 | 17874 | 80 |
| 90 | -78.3 | 15 | .0 | 387.9 | 17141 | -79.0 | 18 | .0 | 386.7 | 17101 | -79.3 | 17 | .0 | 385.9 | 17149 | -80.1 | 20 | .0 | 384.4 | 17191 | 90 |
| 100 | -80.0 | 15 | .0 | 373.2 | 16542 | -79.1 | 19 | .0 | 374.9 | 16502 | -80.3 | 18 | .0 | 372.6 | 16552 | -78.6 | 20 | .0 | 376.0 | 16593 | 100 |
| 110 | -75.4 | 15 | .0 | 371.9 | 15997 | -77.7 | 19 | .0 | 367.5 | 15960 | -76.4 | 17 | .0 | 370.0 | 16008 | -77.2 | 19 | .0 | 368.5 | 16048 | 110 |
| 120 | -77.5 | 15 | .0 | 358.8 | 15494 | -76.2 | 18 | .0 | 361.1 | 15458 | -75.9 | 17 | .0 | 361.8 | 15503 | -75.9 | 19 | .0 | 361.8 | 15546 | 120 |
| 130 | -75.2 | 15 | .0 | 354.8 | 15034 | -76.3 | 19 | .0 | 352.8 | 15000 | -75.4 | 17 | .0 | 354.4 | 15043 | -74.7 | 19 | .0 | 355.7 | 15083 | 130 |
| 140 | -71.8 | 15 | .0 | 353.4 | 14601 | -73.1 | 18 | .0 | 351.1 | 14569 | -72.1 | 16 | .0 | 352.9 | 14610 | -71.0 | 19 | .0 | 354.7 | 14648 | 140 |
| 150 | -68.5 | 15 | .0 | 352.1 | 14190 | -70.1 | 18 | .0 | 349.4 | 14162 | -69.0 | 16 | .0 | 351.3 | 14201 | -67.6 | 19 | .0 | 353.7 | 14236 | 150 |
| 160 | -65.5 | 15 | .0 | 350.7 | 13801 | -66.7 | 18 | .0 | 348.8 | 13775 | -65.5 | 16 | .0 | 350.7 | 13812 | -64.4 | 18 | .0 | 352.7 | 13845 | 160 |
| 170 | -62.7 | 15 | .0 | 349.4 | 13430 | -63.4 | 17 | .0 | 348.2 | 13406 | -61.8 | 16 | .0 | 350.9 | 13440 | -61.4 | 18 | .0 | 351.6 | 13471 | 170 |
| 180 | -59.5 | 14 | .0 | 348.9 | 13075 | -60.4 | 17 | .0 | 347.6 | 13052 | -58.3 | 15 | .0 | 350.9 | 13083 | -58.5 | 18 | .0 | 350.6 | 13114 | 180 |
| 190 | -56.5 | 14 | .0 | 348.4 | 12734 | -57.4 | 17 | .0 | 346.9 | 12713 | -55.0 | 15 | .0 | 350.9 | 12741 | -55.8 | 18 | .0 | 349.5 | 12772 | 190 |
| 200 | -53.7 | 13 | .0 | 347.8 | 12407 | -54.7 | 17 | .0 | 346.3 | 12387 | -51.8 | 15 | .0 | 350.8 | 12410 | -53.1 | 18 | .0 | 348.8 | 12444 | 200 |
| 225 | -47.1 | 12 | .0 | 346.5 | 11638 | -48.3 | 16 | .0 | 344.6 | 11622 | -45.2 | 14 | .0 | 349.5 | 11635 | -46.2 | 17 | .0 | 347.9 | 11673 | 225 |
| 250 | -40.9 | 12 | .0 | 345.5 | 10931 | -41.8 | 15 | .1 | 344.3 | 10919 | -39.5 | 13 | .1 | 347.7 | 10923 | -40.1 | 16 | .1 | 346.8 | 10963 | 250 |
| 275 | -35.3 | 11 | .1 | 344.4 | 10275 | -35.6 | 14 | .1 | 344.0 | 10264 | -34.3 | 12 | .1 | 345.9 | 10264 | -34.5 | 16 | .1 | 345.7 | 10305 | 275 |
| 300 | -30.3 | 11 | .1 | 343.2 | 9663 | -30.0 | 13 | .1 | 343.6 | 9652 | -29.6 | 11 | .1 | 344.2 | 9649 | -29.4 | 15 | .2 | 344.6 | 9690 | 300 |
| 325 | -25.6 | 10 | .2 | 342.1 | 9088 | -25.6 | 13 | .2 | 342.2 | 9077 | -25.3 | 10 | .2 | 342.5 | 9073 | -24.9 | 15 | .2 | 343.3 | 9114 | 325 |
| 350 | -21.2 | 10 | .2 | 341.0 | 8546 | -21.6 | 12 | .2 | 340.6 | 8535 | -21.4 | 10 | .2 | 340.8 | 8531 | -21.1 | 15 | .3 | 341.5 | 8571 | 350 |
| 375 | -17.7 | 10 | .3 | 339.2 | 8033 | -17.9 | 12 | .3 | 339.1 | 8023 | -18.7 | 11 | .3 | 337.9 | 8019 | -17.6 | 15 | .4 | 339.8 | 8058 | 375 |
| 400 | -17.9 | 13 | .3 | 332.9 | 7549 | -18.3 | 15 | .3 | 332.5 | 7541 | -18.7 | 15 | .3 | 332.0 | 7538 | -17.4 | 17 | .4 | 333.9 | 7575 | 400 |
| 425 | -13.8 | 13 | .4 | 332.8 | 7092 | -14.1 | 15 | .5 | 332.6 | 7084 | -14.3 | 14 | .4 | 332.2 | 7082 | -13.4 | 17 | .5 | 333.8 | 7117 | 425 |
| 450 | -9.9 | 12 | .5 | 332.7 | 6654 | -10.2 | 16 | .6 | 332.7 | 6647 | -10.2 | 13 | .5 | 332.4 | 6645 | -9.6 | 16 | .7 | 333.7 | 6679 | 450 |
| 475 | -7.1 | 11 | .5 | 331.2 | 6235 | -7.2 | 19 | .9 | 332.3 | 6228 | -6.4 | 13 | .6 | 332.5 | 6225 | -6.9 | 21 | 1.0 | 333.1 | 6259 | 475 |
| 500 | -5.3 | 33 | 1.7 | 332.4 | 5833 | -6.3 | 37 | 1.8 | 331.5 | 5828 | -5.9 | 40 | 2.0 | 332.7 | 5824 | -6.6 | 39 | 1.8 | 331.3 | 5858 | 500 |
| 525 | -4.1 | 37 | 2.0 | 330.4 | 5449 | -5.2 | 57 | 2.8 | 331.7 | 5445 | -5.4 | 64 | 3.1 | 332.1 | 5441 | -5.0 | 45 | 2.2 | 329.9 | 5476 | 525 |
| 550 | -1.8 | 50 | 3.0 | 332.0 | 5081 | -2.4 | 44 | 2.6 | 329.8 | 5077 | -2.8 | 50 | 2.8 | 330.2 | 5074 | -2.3 | 38 | 2.2 | 328.9 | 5109 | 550 |
| 575 | .6 | 47 | 3.3 | 331.6 | 4725 | .1 | 43 | 2.9 | 329.6 | 4723 | .2 | 26 | 1.7 | 326.1 | 4720 | .4 | 31 | 2.1 | 327.6 | 4754 | 575 |
| 600 | 3.2 | 35 | 2.8 | 329.2 | 4382 | 1.8 | 53 | 3.8 | 330.7 | 4380 | 1.6 | 58 | 4.1 | 331.3 | 4378 | 2.2 | 48 | 3.6 | 330.3 | 4411 | 600 |
| 625 | 5.2 | 40 | 3.5 | 329.9 | 4050 | 4.0 | 51 | 4.1 | 330.3 | 4050 | 3.9 | 46 | 3.7 | 328.8 | 4047 | 4.7 | 40 | 3.4 | 328.9 | 4080 | 625 |
| 650 | 7.1 | 44 | 4.3 | 330.9 | 3728 | 6.1 | 22 | 2.0 | 322.6 | 3729 | 5.9 | 29 | 2.6 | 324.2 | 3727 | 7.1 | 29 | 2.8 | 326.4 | 3759 | 650 |
| 675 | 9.2 | 27 | 2.9 | 325.4 | 3416 | 8.3 | 25 | 2.5 | 323.3 | 3419 | 8.3 | 27 | 2.8 | 324.0 | 3417 | 9.4 | 27 | 2.9 | 325.8 | 3447 | 675 |
| 700 | 11.2 | 15 | 1.8 | 321.1 | 3114 | 10.4 | 28 | 3.1 | 324.2 | 3118 | 10.5 | 21 | 2.4 | 322.1 | 3115 | 11.6 | 30 | 3.6 | 327.1 | 3144 | 700 |
| 725 | 13.3 | 16 | 2.1 | 321.1 | 2821 | 12.5 | 31 | 3.8 | 325.4 | 2825 | 12.1 | 23 | 2.7 | 321.6 | 2822 | 13.7 | 32 | 4.4 | 328.5 | 2850 | 725 |
| 750 | 15.3 | 17 | 2.5 | 321.3 | 2535 | 13.5 | 44 | 5.7 | 329.0 | 2539 | 12.4 | 52 | 6.3 | 329.4 | 2538 | 14.8 | 41 | 5.8 | 330.8 | 2564 | 750 |
| 775 | 16.3 | 23 | 3.5 | 322.5 | 2257 | 13.6 | 40 | 5.0 | 323.9 | 2263 | 13.1 | 29 | 3.5 | 319.0 | 2263 | 15.7 | 40 | 5.7 | 328.6 | 2286 | 775 |
| 800 | 17.2 | 30 | 4.6 | 323.8 | 1987 | 13.9 | 54 | 6.7 | 326.1 | 1995 | 13.3 | 74 | 8.9 | 331.8 | 1996 | 16.4 | 35 | 5.1 | 324.4 | 2016 | 800 |
| 825 | 18.1 | 36 | 5.6 | 325.1 | 1724 | 14.8 | 77 | 9.9 | 333.3 | 1735 | 14.8 | 77 | 10.0 | 333.4 | 1736 | 17.0 | 44 | 6.4 | 326.1 | 1754 | 825 |
| 850 | 16.5 | 71 | 9.9 | 332.5 | 1469 | 16.2 | 85 | 11.7 | 337.0 | 1481 | 16.2 | 86 | 11.8 | 337.2 | 1482 | 17.1 | 65 | 9.5 | 332.0 | 1499 | 850 |
| 875 | 17.3 | 85 | 12.2 | 336.8 | 1221 | 17.8 | 86 | 12.7 | 338.9 | 1233 | 17.5 | 94 | 13.7 | 341.3 | 1233 | 18.1 | 73 | 10.9 | 334.3 | 1251 | 875 |
| 900 | 18.8 | 88 | 13.5 | 339.5 | 979 | 19.3 | 87 | 13.7 | 340.8 | 990 | 19.1 | 94 | 14.7 | 343.1 | 991 | 19.3 | 77 | 12.1 | 336.2 | 1008 | 900 |
| 925 | 20.5 | 88 | 14.6 | 341.9 | 742 | 20.7 | 88 | 14.8 | 342.9 | 753 | 20.6 | 93 | 15.5 | 344.5 | 754 | 20.4 | 81 | 13.3 | 338.2 | 771 | 925 |
| 950 | 22.1 | 89 | 15.8 | 344.4 | 510 | 22.2 | 89 | 16.0 | 345.0 | 521 | 22.1 | 92 | 16.4 | 346.0 | 522 | 21.5 | 85 | 14.6 | 340.3 | 540 | 950 |
| 975 | 23.7 | 89 | 17.0 | 347.0 | 283 | 23.6 | 90 | 17.2 | 347.3 | 293 | 23.5 | 90 | 17.2 | 347.4 | 294 | 24.1 | 84 | 16.5 | 346.3 | 312 | 975 |
| 1000 | 25.2 | 89 | 18.2 | 349.7 | 60 | 25.0 | 91 | 18.4 | 350.0 | 70 | 25.0 | 89 | 18.1 | 348.9 | 71 | 26.8 | 83 | 18.7 | 353.1 | 89 | 1000 |
| SFC. | 25.6 | 89 | 18.6 | 350.5 | 0 | 25.8 | 90 | 19.0 | 351.8 | 0 | 25.4 | 89 | 18.3 | 349.4 | 0 | 27.9 | 82 | 19.6 | 355.9 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1006.8 | SURFACE PRESSURE | | | | 1008.0 | SURFACE PRESSURE | | | | 1008.1 | SURFACE PRESSURE | | | | 1010.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 4/ 6 2030 GMT | | | | | 4/ 7 025 GMT | | | | | 4/ 7 3 3 GMT | | | | | 4/ 7 555 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.9 | 0 | 0.0 | 458.9 | 19564 | -68.6 | 0 | 0.0 | 457.4 | 19585 | -68.7 | 0 | 0.0 | 457.1 | 19536 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 0 | 0.0 | 440.3 | 18636 | -69.2 | 0 | 0.0 | 436.4 | 18668 | -71.2 | 19 | .0 | 432.1 | 18619 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.8 | 0 | 0.0 | 424.9 | 17830 | -70.0 | 0 | 0.0 | 418.4 | 17869 | -70.4 | 19 | .0 | 417.7 | 17828 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.0 | 20 | .0 | 386.6 | 17141 | -79.8 | 19 | .0 | 385.0 | 17184 | -80.4 | 20 | .0 | 383.8 | 17145 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.9 | 20 | .0 | 371.4 | 16544 | -80.4 | 19 | .0 | 372.4 | 16589 | -81.3 | 20 | .0 | 370.7 | 16555 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.4 | 20 | .0 | 369.9 | 16002 | -77.5 | 20 | .0 | 367.8 | 16047 | -78.3 | 20 | .0 | 366.3 | 16015 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.9 | 20 | .0 | 361.8 | 15500 | -74.9 | 20 | .0 | 363.6 | 15545 | -75.6 | 20 | .0 | 362.2 | 15515 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.6 | 20 | .0 | 357.7 | 15035 | -72.2 | 20 | .0 | 360.1 | 15077 | -73.2 | 19 | .0 | 358.5 | 15049 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.0 | 20 | .0 | 354.7 | 14599 | -69.8 | 20 | .0 | 356.9 | 14638 | -70.9 | 19 | .0 | 355.0 | 14613 | 140 |
| 150 | -68.2 | 19 | .0 | 352.7 | 14230 | -68.6 | 21 | .0 | 352.0 | 14188 | -67.5 | 20 | .0 | 353.8 | 14225 | -68.7 | 19 | .0 | 351.8 | 14202 | 150 |
| 160 | -64.9 | 19 | .0 | 351.7 | 13839 | -66.3 | 21 | .0 | 349.3 | 13799 | -65.4 | 20 | .0 | 350.9 | 13835 | -66.2 | 19 | .0 | 349.7 | 13813 | 160 |
| 170 | -61.9 | 19 | .0 | 350.7 | 13467 | -63.4 | 21 | .0 | 348.2 | 13430 | -62.7 | 19 | .0 | 349.4 | 13464 | -62.9 | 18 | .0 | 349.0 | 13443 | 170 |
| 180 | -59.0 | 18 | .0 | 349.7 | 13111 | -60.3 | 20 | .0 | 347.7 | 13076 | -59.7 | 18 | .0 | 348.7 | 13109 | -59.9 | 18 | .0 | 348.4 | 13088 | 180 |
| 190 | -56.3 | 18 | .0 | 348.8 | 12770 | -57.3 | 19 | .0 | 347.2 | 12737 | -56.6 | 18 | .0 | 348.2 | 12769 | -57.0 | 18 | .0 | 347.7 | 12748 | 190 |
| 200 | -53.7 | 18 | .0 | 347.8 | 12442 | -54.4 | 18 | .0 | 346.8 | 12410 | -53.7 | 17 | .0 | 347.9 | 12441 | -54.3 | 17 | .0 | 347.0 | 12422 | 200 |
| 225 | -46.9 | 18 | .0 | 346.8 | 11673 | -47.6 | 17 | .0 | 345.7 | 11644 | -46.9 | 17 | .0 | 346.8 | 11672 | -47.7 | 17 | .0 | 345.5 | 11656 | 225 |
| 250 | -40.8 | 18 | .1 | 345.7 | 10966 | -41.2 | 16 | .1 | 345.1 | 10938 | -40.9 | 16 | .1 | 345.6 | 10965 | -41.6 | 16 | .1 | 344.6 | 10951 | 250 |
| 275 | -35.3 | 17 | .1 | 344.6 | 10310 | -36.1 | 16 | .1 | 343.3 | 10284 | -35.4 | 16 | .1 | 344.3 | 10309 | -36.0 | 15 | .1 | 343.5 | 10296 | 275 |
| 300 | -30.3 | 17 | .2 | 343.4 | 9697 | -30.8 | 15 | .2 | 342.5 | 9674 | -30.5 | 15 | .2 | 343.1 | 9697 | -30.9 | 15 | .1 | 342.4 | 9686 | 300 |
| 325 | -25.7 | 17 | .2 | 342.3 | 9123 | -25.7 | 15 | .2 | 342.1 | 9099 | -25.8 | 15 | .2 | 342.1 | 9123 | -26.2 | 14 | .2 | 341.4 | 9112 | 325 |
| 350 | -21.4 | 17 | .3 | 341.3 | 8581 | -21.3 | 14 | .3 | 341.2 | 8558 | -21.4 | 14 | .3 | 341.1 | 8581 | -21.9 | 13 | .3 | 340.3 | 8571 | 350 |
| 375 | -18.0 | 17 | .4 | 339.5 | 8068 | -17.2 | 14 | .4 | 340.3 | 8044 | -17.3 | 13 | .4 | 340.1 | 8068 | -17.9 | 13 | .3 | 339.2 | 8060 | 375 |
| 400 | -16.8 | 17 | .4 | 334.8 | 7585 | -14.2 | 14 | .4 | 338.3 | 7557 | -13.5 | 13 | .4 | 339.2 | 7581 | -15.0 | 13 | .4 | 337.0 | 7574 | 400 |
| 425 | -13.4 | 17 | .6 | 333.9 | 7126 | -13.0 | 16 | .5 | 334.3 | 7096 | -12.0 | 18 | .6 | 336.1 | 7118 | -12.9 | 13 | .4 | 334.1 | 7114 | 425 |
| 450 | -10.2 | 18 | .7 | 333.0 | 6689 | -10.0 | 16 | .6 | 333.1 | 6659 | -8.4 | 17 | .8 | 335.6 | 6678 | -9.5 | 14 | .6 | 333.5 | 6676 | 450 |
| 475 | -7.1 | 18 | .8 | 332.2 | 6270 | -6.2 | 16 | .8 | 333.2 | 6239 | -5.1 | 17 | .9 | 335.1 | 6256 | -6.3 | 16 | .8 | 333.1 | 6255 | 475 |
| 500 | -5.5 | 26 | 1.3 | 330.9 | 5869 | -3.1 | 17 | 1.0 | 333.0 | 5835 | -1.9 | 16 | 1.1 | 334.6 | 5851 | -3.2 | 17 | 1.0 | 332.8 | 5852 | 500 |
| 525 | -4.1 | 34 | 1.8 | 329.7 | 5485 | -3.6 | 31 | 1.7 | 330.1 | 5450 | -1.6 | 27 | 1.7 | 332.6 | 5462 | -1.4 | 23 | 1.5 | 332.1 | 5464 | 525 |
| 550 | -2.3 | 37 | 2.2 | 328.7 | 5117 | -2.1 | 31 | 1.9 | 328.0 | 5081 | -.2 | 33 | 2.3 | 331.7 | 5090 | -1.5 | 38 | 2.3 | 330.2 | 5094 | 550 |
| 575 | .5 | 31 | 2.1 | 327.9 | 4762 | .7 | 29 | 2.1 | 327.9 | 4726 | 2.1 | 35 | 2.7 | 331.4 | 4733 | .8 | 39 | 2.7 | 330.1 | 4739 | 575 |
| 600 | 3.2 | 26 | 2.0 | 326.8 | 4419 | 3.4 | 28 | 2.3 | 327.7 | 4383 | 4.2 | 35 | 3.0 | 331.1 | 4388 | 3.2 | 40 | 3.2 | 330.3 | 4395 | 600 |
| 625 | 5.3 | 42 | 3.8 | 330.8 | 4086 | 5.9 | 27 | 2.5 | 327.7 | 4050 | 6.8 | 20 | 2.0 | 327.0 | 4055 | 5.3 | 35 | 3.2 | 329.0 | 4063 | 625 |
| 650 | 7.5 | 30 | 3.0 | 327.3 | 3765 | 7.8 | 28 | 2.8 | 327.2 | 3728 | 8.8 | 31 | 3.4 | 330.1 | 3731 | 7.4 | 30 | 2.9 | 327.0 | 3741 | 650 |
| 675 | 9.4 | 32 | 3.5 | 327.5 | 3453 | 9.0 | 30 | 3.2 | 326.3 | 3416 | 10.1 | 21 | 2.4 | 325.1 | 3418 | 9.4 | 27 | 3.0 | 325.9 | 3429 | 675 |
| 700 | 11.2 | 34 | 4.1 | 327.9 | 3150 | 11.2 | 31 | 3.6 | 326.6 | 3114 | 12.0 | 36 | 4.5 | 330.2 | 3115 | 11.2 | 41 | 4.9 | 330.4 | 3127 | 700 |
| 725 | 12.9 | 36 | 4.6 | 328.4 | 2856 | 13.2 | 31 | 4.1 | 327.0 | 2820 | 13.9 | 43 | 5.9 | 333.5 | 2820 | 12.9 | 46 | 6.0 | 332.4 | 2833 | 725 |
| 750 | 14.6 | 38 | 5.3 | 329.0 | 2571 | 14.9 | 35 | 4.9 | 328.4 | 2534 | 16.0 | 33 | 5.1 | 330.2 | 2533 | 14.6 | 35 | 4.9 | 327.8 | 2547 | 750 |
| 775 | 16.2 | 16 | 2.4 | 319.0 | 2293 | 16.9 | 22 | 3.5 | 323.2 | 2256 | 17.4 | 26 | 4.1 | 325.7 | 2254 | 15.6 | 33 | 4.7 | 325.3 | 2269 | 775 |
| 800 | 17.0 | 24 | 3.7 | 321.0 | 2023 | 17.9 | 19 | 3.1 | 320.3 | 1985 | 17.9 | 18 | 2.9 | 319.6 | 1983 | 16.2 | 37 | 5.3 | 324.9 | 2000 | 800 |
| 825 | 17.8 | 33 | 5.1 | 323.1 | 1760 | 18.5 | 24 | 3.8 | 320.2 | 1722 | 18.2 | 22 | 3.4 | 318.6 | 1720 | 15.3 | 78 | 10.4 | 335.4 | 1738 | 825 |
| 850 | 18.7 | 42 | 6.7 | 325.9 | 1505 | 19.2 | 33 | 5.5 | 323.1 | 1466 | 18.8 | 37 | 6.0 | 324.2 | 1464 | 16.8 | 83 | 11.8 | 338.1 | 1484 | 850 |
| 875 | 19.6 | 51 | 8.3 | 328.9 | 1255 | 19.9 | 44 | 7.3 | 326.4 | 1216 | 19.6 | 54 | 8.9 | 330.6 | 1215 | 18.3 | 87 | 13.2 | 340.9 | 1235 | 875 |
| 900 | 20.4 | 59 | 10.0 | 331.9 | 1012 | 20.6 | 54 | 9.1 | 329.6 | 973 | 20.3 | 71 | 11.9 | 336.9 | 972 | 19.7 | 91 | 14.7 | 344.0 | 992 | 900 |
| 925 | 21.3 | 68 | 11.7 | 334.9 | 775 | 21.2 | 63 | 10.9 | 332.7 | 735 | 21.2 | 84 | 14.6 | 342.7 | 734 | 21.1 | 92 | 15.9 | 346.2 | 754 | 925 |
| 950 | 22.1 | 76 | 13.5 | 338.1 | 543 | 21.9 | 73 | 12.7 | 335.8 | 504 | 23.3 | 84 | 16.1 | 346.9 | 501 | 22.6 | 92 | 16.9 | 348.2 | 522 | 950 |
| 975 | 23.8 | 78 | 15.0 | 341.7 | 316 | 22.9 | 75 | 13.7 | 337.1 | 277 | 25.4 | 83 | 17.7 | 351.2 | 273 | 24.0 | 92 | 18.0 | 350.2 | 294 | 975 |
| 1000 | 26.0 | 77 | 16.4 | 345.8 | 93 | 26.2 | 68 | 14.7 | 341.4 | 55 | 27.4 | 83 | 19.4 | 355.9 | 48 | 25.4 | 92 | 19.1 | 352.3 | 71 | 1000 |
| SFC. | 26.9 | 76 | 17.0 | 347.6 | 0 | 29.5 | 74 | 19.4 | 358.2 | 0 | 27.8 | 83 | 19.8 | 356.9 | 0 | 25.8 | 92 | 19.4 | 353.0 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1006.2 | | | | | SURFACE PRESSURE 1005.4 | | | | | SURFACE PRESSURE 1008.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 4/ 7 835 GMT | | | | | 4/ 7 1211 GMT | | | | | 4/ 7 15 0 GMT | | | | | 4/ 7 18 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.0 | 0 | 0.0 | 465.4 | 19457 | -66.8 | 0 | 0.0 | 461.5 | 19463 | -69.7 | 0 | 0.0 | 454.9 | 19381 | -68.3 | 0 | 0.0 | 458.0 | 19595 | 60 |
| 70 | -70.2 | 0 | 0.0 | 434.1 | 18533 | -69.6 | 0 | 0.0 | 435.5 | 18541 | -71.9 | 0 | 0.0 | 430.5 | 18470 | -69.7 | 0 | 0.0 | 435.2 | 18674 | 70 |
| 80 | -69.5 | 0 | 0.0 | 419.4 | 17737 | -70.2 | 20 | .0 | 417.9 | 17743 | -69.9 | 28 | .0 | 418.6 | 17677 | -67.9 | 21 | .0 | 422.8 | 17874 | 80 |
| 90 | -80.6 | 25 | .0 | 383.4 | 17048 | -79.2 | 20 | .0 | 386.2 | 17058 | -78.3 | 30 | .0 | 388.0 | 16990 | -77.9 | 21 | .0 | 388.8 | 17179 | 90 |
| 100 | -83.7 | 25 | .0 | 366.0 | 16459 | -82.9 | 20 | .0 | 367.6 | 16468 | -83.5 | 30 | .0 | 366.4 | 16398 | -80.4 | 22 | .0 | 372.4 | 16581 | 100 |
| 110 | -79.7 | 25 | .0 | 363.7 | 15925 | -79.6 | 19 | .0 | 363.9 | 15932 | -80.4 | 30 | .0 | 362.4 | 15864 | -77.2 | 22 | .0 | 368.4 | 16038 | 110 |
| 120 | -76.1 | 25 | .0 | 361.4 | 15427 | -76.5 | 19 | .0 | 360.7 | 15435 | -77.6 | 30 | .0 | 358.7 | 15369 | -74.4 | 22 | .0 | 364.6 | 15535 | 120 |
| 130 | -73.1 | 25 | .0 | 358.5 | 14961 | -72.9 | 19 | .0 | 358.9 | 14970 | -75.0 | 30 | .0 | 355.2 | 14908 | -71.8 | 22 | .0 | 361.0 | 15066 | 130 |
| 140 | -71.3 | 25 | .0 | 354.2 | 14525 | -71.1 | 19 | .0 | 354.6 | 14533 | -72.6 | 30 | .0 | 352.0 | 14475 | -69.4 | 21 | .0 | 357.6 | 14627 | 140 |
| 150 | -69.6 | 25 | .0 | 350.2 | 14116 | -69.4 | 19 | .0 | 350.6 | 14123 | -70.0 | 30 | .0 | 349.5 | 14067 | -66.8 | 21 | .0 | 355.1 | 14212 | 150 |
| 160 | -66.8 | 25 | .0 | 348.6 | 13729 | -65.9 | 19 | .0 | 350.1 | 13735 | -66.9 | 30 | .0 | 348.5 | 13681 | -63.8 | 21 | .0 | 353.7 | 13820 | 160 |
| 170 | -63.9 | 26 | .0 | 347.5 | 13360 | -62.6 | 20 | .0 | 349.6 | 13364 | -63.9 | 30 | .0 | 347.4 | 13312 | -61.0 | 20 | .0 | 352.3 | 13445 | 170 |
| 180 | -61.1 | 26 | .0 | 346.4 | 13007 | -59.5 | 20 | .0 | 349.0 | 13009 | -61.1 | 30 | .0 | 346.4 | 12959 | -58.3 | 20 | .0 | 350.9 | 13088 | 180 |
| 190 | -58.5 | 27 | .0 | 345.3 | 12669 | -57.6 | 20 | .0 | 346.7 | 12669 | -58.4 | 30 | .0 | 345.4 | 12621 | -55.8 | 20 | .0 | 349.6 | 12746 | 190 |
| 200 | -56.0 | 27 | .0 | 344.2 | 12345 | -55.3 | 20 | .0 | 345.3 | 12344 | -55.9 | 30 | .0 | 344.3 | 12297 | -53.5 | 20 | .0 | 348.3 | 12417 | 200 |
| 225 | -50.3 | 28 | .0 | 341.7 | 11586 | -48.9 | 20 | .0 | 343.8 | 11581 | -49.8 | 29 | .1 | 342.4 | 11537 | -48.0 | 19 | .0 | 345.1 | 11650 | 225 |
| 250 | -44.1 | 25 | .1 | 340.9 | 10889 | -42.9 | 19 | .1 | 342.6 | 10880 | -43.9 | 27 | .1 | 341.2 | 10839 | -41.9 | 19 | .1 | 344.1 | 10946 | 250 |
| 275 | -38.2 | 23 | .1 | 340.4 | 10241 | -37.3 | 18 | .1 | 341.6 | 10230 | -38.5 | 25 | .1 | 340.1 | 10191 | -36.3 | 18 | .1 | 343.1 | 10293 | 275 |
| 300 | -32.9 | 20 | .2 | 339.7 | 9636 | -32.2 | 16 | .1 | 340.7 | 9622 | -33.5 | 24 | .2 | 338.9 | 9587 | -31.2 | 18 | .2 | 342.1 | 9683 | 300 |
| 325 | -28.0 | 17 | .2 | 339.0 | 9067 | -27.4 | 15 | .2 | 339.6 | 9052 | -29.0 | 22 | .2 | 337.7 | 9020 | -26.7 | 17 | .2 | 340.9 | 9110 | 325 |
| 350 | -23.4 | 15 | .3 | 338.2 | 8530 | -23.1 | 14 | .2 | 338.6 | 8514 | -24.8 | 21 | .3 | 336.6 | 8485 | -22.4 | 17 | .3 | 339.8 | 8571 | 350 |
| 375 | -19.2 | 13 | .3 | 337.4 | 8021 | -19.0 | 13 | .3 | 337.6 | 8004 | -20.9 | 20 | .4 | 335.4 | 7980 | -18.5 | 16 | .4 | 338.7 | 8060 | 375 |
| 400 | -16.1 | 13 | .4 | 335.5 | 7538 | -15.2 | 12 | .4 | 336.6 | 7520 | -16.4 | 20 | .5 | 335.7 | 7499 | -14.8 | 16 | .5 | 337.6 | 7575 | 400 |
| 425 | -14.5 | 14 | .4 | 331.9 | 7080 | -14.4 | 13 | .4 | 332.0 | 7062 | -13.8 | 20 | .6 | 333.6 | 7041 | -12.6 | 16 | .6 | 334.9 | 7114 | 425 |
| 450 | -11.8 | 15 | .5 | 330.3 | 6645 | -11.3 | 14 | .5 | 330.9 | 6626 | -11.4 | 21 | .7 | 331.7 | 6604 | -10.5 | 17 | .6 | 332.4 | 6676 | 450 |
| 475 | -8.5 | 14 | .6 | 329.7 | 6228 | -8.4 | 15 | .6 | 329.9 | 6209 | -9.1 | 21 | .8 | 329.8 | 6188 | -8.6 | 17 | .7 | 330.0 | 6259 | 475 |
| 500 | -5.4 | 14 | .7 | 329.1 | 5828 | -7.4 | 29 | 1.3 | 328.4 | 5810 | -8.8 | 31 | 1.2 | 326.5 | 5790 | -7.1 | 23 | 1.0 | 328.0 | 5860 | 500 |
| 525 | -5.1 | 28 | 1.4 | 327.2 | 5444 | -6.5 | 43 | 1.9 | 327.1 | 5430 | -7.4 | 49 | 2.0 | 326.4 | 5412 | -5.6 | 33 | 1.6 | 327.1 | 5479 | 525 |
| 550 | -4.1 | 49 | 2.5 | 327.4 | 5078 | -4.2 | 41 | 2.1 | 326.1 | 5065 | -5.3 | 50 | 2.3 | 325.6 | 5048 | -2.4 | 29 | 1.7 | 327.1 | 5112 | 550 |
| 575 | -1.2 | 38 | 2.3 | 326.3 | 4726 | -1.0 | 22 | 1.4 | 323.6 | 4712 | -2.4 | 48 | 2.7 | 325.9 | 4697 | -.0 | 32 | 2.2 | 327.2 | 4757 | 575 |
| 600 | 1.5 | 33 | 2.4 | 325.8 | 4384 | 1.6 | 30 | 2.1 | 325.1 | 4371 | .5 | 42 | 2.8 | 325.8 | 4357 | 2.8 | 30 | 2.3 | 327.0 | 4415 | 600 |
| 625 | 4.0 | 36 | 3.0 | 326.8 | 4054 | 4.2 | 37 | 3.0 | 327.1 | 4040 | 2.6 | 46 | 3.4 | 326.4 | 4028 | 5.8 | 24 | 2.2 | 326.6 | 4083 | 625 |
| 650 | 6.4 | 39 | 3.6 | 328.0 | 3734 | 6.5 | 41 | 3.8 | 328.5 | 3720 | 4.7 | 46 | 3.8 | 326.4 | 3709 | 8.2 | 28 | 3.0 | 328.1 | 3760 | 650 |
| 675 | 8.3 | 29 | 2.9 | 324.4 | 3423 | 8.3 | 33 | 3.4 | 325.8 | 3409 | 6.9 | 42 | 3.9 | 325.8 | 3400 | 10.5 | 31 | 3.7 | 329.5 | 3447 | 675 |
| 700 | 10.0 | 39 | 4.3 | 327.1 | 3121 | 9.6 | 47 | 5.0 | 328.9 | 3108 | 8.8 | 44 | 4.5 | 326.2 | 3100 | 12.5 | 27 | 3.5 | 327.7 | 3143 | 700 |
| 725 | 11.2 | 56 | 6.5 | 331.7 | 2829 | 11.3 | 42 | 4.9 | 327.1 | 2815 | 10.1 | 57 | 6.1 | 329.3 | 2809 | 13.7 | 33 | 4.4 | 328.6 | 2849 | 725 |
| 750 | 13.3 | 33 | 4.3 | 324.5 | 2545 | 13.1 | 23 | 2.9 | 320.2 | 2532 | 12.2 | 46 | 5.5 | 326.8 | 2525 | 14.6 | 41 | 5.8 | 330.5 | 2562 | 750 |
| 775 | 14.6 | 31 | 4.1 | 322.5 | 2268 | 14.1 | 29 | 3.8 | 321.0 | 2256 | 14.7 | 50 | 6.7 | 330.1 | 2249 | 16.0 | 36 | 5.3 | 327.5 | 2285 | 775 |
| 800 | 14.4 | 65 | 8.4 | 331.6 | 2000 | 14.1 | 54 | 6.8 | 326.7 | 1988 | 14.9 | 61 | 8.1 | 331.4 | 1980 | 15.9 | 51 | 7.3 | 330.3 | 2014 | 800 |
| 825 | 15.5 | 62 | 8.3 | 329.8 | 1739 | 13.9 | 81 | 9.8 | 331.8 | 1727 | 13.3 | 77 | 9.0 | 328.9 | 1720 | 14.9 | 72 | 9.3 | 331.8 | 1753 | 825 |
| 850 | 15.8 | 77 | 10.3 | 332.7 | 1485 | 14.9 | 89 | 11.2 | 334.2 | 1475 | 13.5 | 87 | 10.0 | 329.1 | 1468 | 17.3 | 70 | 10.3 | 334.6 | 1499 | 850 |
| 875 | 16.1 | 92 | 12.2 | 335.3 | 1238 | 16.4 | 91 | 12.2 | 335.8 | 1228 | 15.1 | 93 | 11.5 | 332.1 | 1222 | 18.6 | 73 | 11.3 | 336.2 | 1250 | 875 |
| 900 | 17.7 | 94 | 13.4 | 338.0 | 997 | 17.8 | 92 | 13.2 | 337.5 | 986 | 16.6 | 94 | 12.6 | 334.2 | 982 | 19.8 | 76 | 12.4 | 337.7 | 1007 | 900 |
| 925 | 19.5 | 95 | 14.7 | 340.9 | 761 | 19.2 | 94 | 14.3 | 339.4 | 750 | 18.1 | 94 | 13.5 | 335.9 | 747 | 20.9 | 79 | 13.5 | 339.3 | 770 | 925 |
| 950 | 21.2 | 95 | 16.1 | 344.0 | 529 | 20.5 | 95 | 15.4 | 341.3 | 520 | 19.6 | 95 | 14.5 | 337.7 | 517 | 22.0 | 83 | 14.6 | 341.1 | 538 | 950 |
| 975 | 22.8 | 96 | 17.5 | 347.3 | 302 | 22.1 | 95 | 16.6 | 344.0 | 293 | 21.0 | 95 | 15.5 | 339.5 | 292 | 24.0 | 83 | 16.2 | 345.3 | 311 | 975 |
| 1000 | 24.4 | 97 | 19.0 | 350.7 | 80 | 24.7 | 92 | 18.3 | 349.3 | 71 | 23.7 | 93 | 17.4 | 345.5 | 71 | 26.9 | 81 | 18.3 | 352.2 | 87 | 1000 |
| SFC. | 25.0 | 97 | 19.5 | 352.0 | 0 | 25.5 | 91 | 18.9 | 351.0 | 0 | 25.5 | 90 | 18.7 | 350.4 | 0 | 28.0 | 80 | 19.2 | 355.1 | 0 | SFC. |
| | SURFACE PRESSURE 1009.1 | | | | | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1009.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 7 2335 GMT T | RH | W | EPT | H | 4/ 8 544 GMT T | RH | W | EPT | H | 4/ 8 1217 GMT T | RH | W | EPT | H | 4/ 8 1650 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.7 | 0 | 0.0 | 461.6 | 19604 | -66.9 | 0 | 0.0 | 461.2 | 19511 | -65.5 | 0 | 0.0 | 464.3 | 19423 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -69.8 | 0 | 0.0 | 435.0 | 18679 | -69.8 | 20 | .0 | 435.2 | 18567 | -75.7 | 0 | 0.0 | 422.5 | 18508 | -73.2 | 0 | 0.0 | 427.8 | 18589 | 70 |
| 80 | -69.3 | 17 | .0 | 419.9 | 17884 | -70.8 | 19 | .0 | 416.8 | 17794 | -74.2 | 0 | 0.0 | 409.6 | 17733 | -72.7 | 0 | 0.0 | 412.7 | 17810 | 80 |
| 90 | -77.9 | 18 | .0 | 388.8 | 17192 | -76.3 | 19 | .0 | 392.0 | 17103 | -73.0 | 32 | .0 | 398.5 | 17045 | -71.5 | 0 | 0.0 | 401.5 | 17115 | 90 |
| 100 | -81.0 | 18 | .0 | 371.3 | 16598 | -81.8 | 20 | .0 | 369.7 | 16510 | -80.0 | 32 | .0 | 373.2 | 16433 | -75.5 | 19 | .0 | 381.9 | 16495 | 100 |
| 110 | -77.6 | 18 | .0 | 367.7 | 16056 | -79.9 | 20 | .0 | 363.4 | 15973 | -80.3 | 32 | .0 | 362.6 | 15897 | -80.0 | 19 | .0 | 363.2 | 15951 | 110 |
| 120 | -74.5 | 17 | .0 | 364.3 | 15554 | -78.1 | 20 | .0 | 357.7 | 15478 | -78.0 | 32 | .0 | 357.9 | 15403 | -77.7 | 19 | .0 | 358.5 | 15456 | 120 |
| 130 | -71.5 | 17 | .0 | 361.5 | 15085 | -74.3 | 20 | .0 | 356.4 | 15017 | -74.6 | 32 | .0 | 355.8 | 14941 | -73.6 | 19 | .0 | 357.8 | 14993 | 130 |
| 140 | -68.6 | 17 | .0 | 359.0 | 14644 | -70.2 | 19 | .0 | 356.1 | 14581 | -71.5 | 32 | .0 | 353.8 | 14507 | -69.7 | 19 | .0 | 357.0 | 14556 | 140 |
| 150 | -65.9 | 17 | .0 | 356.6 | 14228 | -66.4 | 19 | .0 | 355.7 | 14167 | -68.6 | 32 | .0 | 351.9 | 14097 | -67.4 | 19 | .0 | 354.0 | 14142 | 150 |
| 160 | -63.4 | 17 | .0 | 354.3 | 13834 | -63.8 | 19 | .0 | 353.6 | 13774 | -65.9 | 32 | .0 | 350.0 | 13708 | -65.9 | 19 | .0 | 350.2 | 13752 | 160 |
| 170 | -61.1 | 17 | .0 | 352.1 | 13460 | -61.4 | 19 | .0 | 351.6 | 13400 | -63.4 | 32 | .0 | 348.3 | 13338 | -62.6 | 19 | .0 | 349.6 | 13381 | 170 |
| 180 | -58.6 | 17 | .0 | 350.4 | 13103 | -59.1 | 19 | .0 | 349.6 | 13044 | -60.9 | 32 | .0 | 346.7 | 12985 | -59.5 | 18 | .0 | 349.0 | 13026 | 180 |
| 190 | -56.1 | 17 | .0 | 349.2 | 12761 | -56.9 | 19 | .0 | 347.8 | 12703 | -58.5 | 33 | .0 | 345.2 | 12647 | -56.6 | 18 | .0 | 348.3 | 12686 | 190 |
| 200 | -53.6 | 17 | .0 | 348.0 | 12433 | -54.6 | 19 | .0 | 346.3 | 12377 | -56.3 | 33 | .0 | 343.8 | 12322 | -53.9 | 18 | .0 | 347.5 | 12358 | 200 |
| 225 | -47.5 | 17 | .0 | 346.0 | 11666 | -48.8 | 18 | .0 | 343.9 | 11613 | -50.3 | 31 | .1 | 341.6 | 11565 | -49.2 | 19 | .0 | 343.3 | 11594 | 225 |
| 250 | -40.9 | 16 | .1 | 345.6 | 10959 | -42.8 | 17 | .1 | 342.8 | 10912 | -44.5 | 27 | .1 | 340.3 | 10868 | -44.2 | 19 | .1 | 340.6 | 10896 | 250 |
| 275 | -36.0 | 16 | .1 | 343.5 | 10305 | -37.0 | 17 | .1 | 342.0 | 10261 | -38.3 | 23 | .1 | 340.3 | 10221 | -38.5 | 17 | .1 | 339.9 | 10249 | 275 |
| 300 | -30.4 | 15 | .2 | 343.1 | 9693 | -31.8 | 16 | .1 | 341.1 | 9652 | -32.6 | 19 | .2 | 340.1 | 9616 | -32.5 | 15 | .1 | 340.1 | 9643 | 300 |
| 325 | -25.5 | 14 | .2 | 342.3 | 9119 | -27.0 | 15 | .2 | 340.3 | 9081 | -27.7 | 16 | .2 | 339.3 | 9046 | -27.1 | 12 | .2 | 340.0 | 9073 | 325 |
| 350 | -21.0 | 12 | .3 | 341.4 | 8576 | -22.9 | 14 | .2 | 338.8 | 8542 | -24.0 | 14 | .2 | 337.3 | 8509 | -23.5 | 11 | .2 | 337.9 | 8534 | 350 |
| 375 | -17.6 | 12 | .3 | 339.6 | 8063 | -19.3 | 12 | .3 | 337.2 | 8033 | -21.2 | 20 | .4 | 335.1 | 8003 | -20.5 | 11 | .2 | 335.4 | 8027 | 375 |
| 400 | -14.6 | 13 | .4 | 337.6 | 7577 | -16.8 | 33 | .8 | 336.3 | 7551 | -18.5 | 26 | .6 | 333.1 | 7524 | -17.3 | 12 | .3 | 333.7 | 7546 | 400 |
| 425 | -11.7 | 13 | .5 | 335.8 | 7116 | -13.6 | 51 | 1.6 | 337.3 | 7092 | -14.8 | 27 | .8 | 332.8 | 7068 | -14.1 | 12 | .4 | 332.4 | 7089 | 425 |
| 450 | -9.0 | 14 | .6 | 334.1 | 6676 | -11.6 | 55 | 1.9 | 335.4 | 6656 | -12.2 | 32 | 1.1 | 331.7 | 6633 | -11.0 | 13 | .5 | 331.2 | 6653 | 450 |
| 475 | -8.0 | 17 | .8 | 330.8 | 6256 | -9.7 | 18 | .7 | 328.5 | 6240 | -9.9 | 32 | 1.2 | 330.0 | 6218 | -8.1 | 13 | .6 | 330.1 | 6235 | 475 |
| 500 | -7.2 | 21 | .9 | 327.6 | 5857 | -6.8 | 23 | 1.0 | 328.4 | 5842 | -6.9 | 23 | 1.1 | 328.4 | 5820 | -5.4 | 14 | .7 | 329.1 | 5835 | 500 |
| 525 | -4.5 | 24 | 1.2 | 327.3 | 5475 | -4.1 | 27 | 1.4 | 328.5 | 5459 | -4.1 | 15 | .8 | 326.5 | 5438 | -3.0 | 14 | .8 | 327.9 | 5450 | 525 |
| 550 | -1.9 | 26 | 1.5 | 327.2 | 5107 | -1.5 | 31 | 1.9 | 328.9 | 5090 | -1.7 | 15 | .9 | 325.4 | 5069 | -1.2 | 16 | 1.0 | 326.2 | 5081 | 550 |
| 575 | .6 | 28 | 1.9 | 327.2 | 4752 | 1.0 | 35 | 2.5 | 329.5 | 4734 | .4 | 18 | 1.2 | 324.9 | 4714 | .5 | 17 | 1.2 | 324.7 | 4725 | 575 |
| 600 | 3.5 | 22 | 1.8 | 326.3 | 4408 | 3.3 | 39 | 3.1 | 330.4 | 4390 | 2.5 | 21 | 1.6 | 324.5 | 4372 | 2.5 | 17 | 1.3 | 323.6 | 4383 | 600 |
| 625 | 6.3 | 15 | 1.4 | 324.6 | 4076 | 5.6 | 43 | 3.9 | 331.5 | 4057 | 4.4 | 24 | 2.0 | 324.3 | 4041 | 5.3 | 16 | 1.4 | 323.3 | 4052 | 625 |
| 650 | 9.1 | 16 | 1.8 | 325.4 | 3753 | 7.8 | 46 | 4.7 | 332.9 | 3735 | 6.4 | 25 | 2.3 | 323.9 | 3720 | 7.9 | 14 | 1.4 | 322.9 | 3730 | 650 |
| 675 | 11.8 | 18 | 2.2 | 326.4 | 3439 | 9.8 | 41 | 4.6 | 331.4 | 3422 | 8.4 | 25 | 2.6 | 323.5 | 3410 | 10.1 | 13 | 1.5 | 322.2 | 3418 | 675 |
| 700 | 13.5 | 22 | 3.0 | 327.3 | 3134 | 11.5 | 26 | 3.1 | 325.4 | 3119 | 10.3 | 25 | 2.8 | 323.1 | 3108 | 11.6 | 15 | 1.8 | 321.4 | 3115 | 700 |
| 725 | 14.6 | 28 | 4.0 | 328.3 | 2838 | 12.2 | 34 | 4.2 | 326.3 | 2826 | 12.2 | 25 | 3.1 | 322.8 | 2815 | 13.1 | 16 | 2.0 | 320.6 | 2821 | 725 |
| 750 | 15.9 | 31 | 4.6 | 328.6 | 2551 | 13.6 | 32 | 4.1 | 324.4 | 2541 | 14.0 | 25 | 3.3 | 322.5 | 2531 | 14.5 | 17 | 2.3 | 319.8 | 2536 | 750 |
| 775 | 17.6 | 25 | 4.1 | 325.9 | 2272 | 14.8 | 37 | 5.0 | 325.4 | 2264 | 14.6 | 41 | 5.6 | 326.8 | 2254 | 15.4 | 19 | 2.7 | 319.2 | 2259 | 775 |
| 800 | 19.2 | 20 | 3.5 | 322.8 | 2000 | 14.6 | 84 | 11.0 | 339.3 | 1995 | 15.1 | 64 | 8.7 | 333.3 | 1985 | 16.1 | 23 | 3.2 | 318.6 | 1990 | 800 |
| 825 | 17.0 | 58 | 8.7 | 332.5 | 1737 | 15.2 | 90 | 12.0 | 339.6 | 1734 | 15.8 | 87 | 11.9 | 340.2 | 1723 | 13.7 | 59 | 7.0 | 324.0 | 1728 | 825 |
| 850 | 18.8 | 55 | 8.9 | 332.4 | 1481 | 16.8 | 83 | 11.9 | 338.3 | 1479 | 16.7 | 83 | 11.7 | 337.8 | 1468 | 14.6 | 83 | 10.3 | 331.2 | 1476 | 850 |
| 875 | 20.6 | 52 | 9.1 | 332.2 | 1231 | 18.6 | 74 | 11.5 | 336.7 | 1231 | 17.7 | 79 | 11.5 | 335.4 | 1220 | 16.0 | 97 | 12.8 | 336.9 | 1229 | 875 |
| 900 | 21.5 | 54 | 9.7 | 332.3 | 987 | 19.7 | 74 | 11.9 | 336.3 | 988 | 17.7 | 96 | 13.7 | 338.7 | 978 | 17.4 | 92 | 13.0 | 336.3 | 988 | 900 |
| 925 | 21.1 | 64 | 10.9 | 332.6 | 749 | 20.1 | 82 | 13.2 | 337.5 | 751 | 18.9 | 98 | 14.7 | 340.1 | 743 | 19.7 | 90 | 14.3 | 340.0 | 752 | 925 |
| 950 | 21.5 | 70 | 11.9 | 333.0 | 518 | 21.1 | 87 | 14.5 | 339.7 | 520 | 20.3 | 97 | 15.5 | 341.2 | 512 | 21.3 | 89 | 15.1 | 341.7 | 520 | 950 |
| 975 | 23.8 | 64 | 12.4 | 334.6 | 291 | 23.1 | 86 | 16.0 | 343.7 | 293 | 22.6 | 93 | 16.6 | 344.6 | 286 | 23.0 | 88 | 16.2 | 344.0 | 294 | 975 |
| 1000 | 27.2 | 62 | 14.3 | 341.5 | 69 | 25.2 | 86 | 17.6 | 348.0 | 70 | 24.8 | 89 | 17.8 | 348.0 | 63 | 25.0 | 87 | 17.7 | 348.2 | 71 | 1000 |
| SFC. | 30.8 | 68 | 19.2 | 359.2 | 0 | 25.8 | 86 | 18.1 | 349.4 | 0 | 25.4 | 88 | 18.1 | 349.0 | 0 | 25.7 | 87 | 18.2 | 349.6 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1007.7 | SURFACE PRESSURE | | | | 1008.0 | SURFACE PRESSURE | | | | 1007.2 | SURFACE PRESSURE | | | | 1008.1 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 8 1930 GMT T | RH | W | EPT | H | 4/ 8 2346 GMT T | RH | W | EPT | H | 4/ 9 210 GMT T | RH | W | EPT | H | 4/ 9 525 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.6 | 0 | 0.0 | 461.8 | 19567 | -64.4 | 0 | 0.0 | 466.8 | 19521 | -66.8 | 0 | 0.0 | 461.4 | 19558 | -65.9 | 0 | 0.0 | 463.4 | 19593 | 60 |
| 70 | -73.2 | 0 | 0.0 | 427.8 | 18644 | -72.2 | 25 | .0 | 430.0 | 18601 | -74.6 | 0 | 0.0 | 424.8 | 18644 | -69.1 | 41 | .0 | 436.7 | 18668 | 70 |
| 80 | -72.6 | 0 | 0.0 | 413.0 | 17861 | -75.3 | 25 | .0 | 407.5 | 17824 | -75.3 | 0 | 0.0 | 407.4 | 17870 | -77.0 | 41 | .0 | 404.0 | 17887 | 80 |
| 90 | -72.1 | 21 | .0 | 400.4 | 17168 | -72.9 | 26 | .0 | 398.7 | 17139 | -73.8 | 28 | .0 | 397.1 | 17184 | -77.9 | 42 | .0 | 388.8 | 17212 | 90 |
| 100 | -73.5 | 21 | .0 | 385.8 | 16550 | -75.0 | 26 | .0 | 382.9 | 16524 | -73.9 | 29 | .0 | 385.0 | 16571 | -78.7 | 42 | .0 | 375.7 | 16611 | 100 |
| 110 | -78.7 | 24 | .0 | 365.6 | 16003 | -77.6 | 27 | .0 | 367.7 | 15976 | -76.7 | 29 | .0 | 369.3 | 16019 | -75.3 | 42 | .0 | 372.1 | 16064 | 110 |
| 120 | -75.5 | 24 | .0 | 362.5 | 15504 | -77.2 | 27 | .0 | 359.4 | 15478 | -75.7 | 29 | .0 | 362.0 | 15519 | -72.1 | 43 | .0 | 368.7 | 15555 | 120 |
| 130 | -72.6 | 24 | .0 | 359.5 | 15037 | -73.1 | 27 | .0 | 358.7 | 15014 | -72.5 | 29 | .0 | 359.6 | 15052 | -69.2 | 43 | .0 | 365.5 | 15081 | 130 |
| 140 | -69.9 | 24 | .0 | 356.7 | 14599 | -69.3 | 27 | .0 | 357.8 | 14575 | -69.5 | 29 | .0 | 357.3 | 14614 | -66.6 | 43 | .0 | 362.6 | 14635 | 140 |
| 150 | -67.4 | 24 | .0 | 354.1 | 14186 | -66.0 | 27 | .0 | 356.4 | 14160 | -66.8 | 28 | .0 | 355.1 | 14199 | -64.1 | 43 | .0 | 359.8 | 14215 | 150 |
| 160 | -65.0 | 24 | .0 | 351.6 | 13795 | -64.3 | 27 | .0 | 352.8 | 13767 | -64.2 | 28 | .0 | 353.0 | 13807 | -61.8 | 43 | .0 | 357.2 | 13818 | 160 |
| 170 | -62.8 | 24 | .0 | 349.2 | 13423 | -62.7 | 27 | .0 | 349.5 | 13395 | -61.7 | 28 | .0 | 351.0 | 13434 | -59.6 | 43 | .0 | 354.7 | 13441 | 170 |
| 180 | -60.0 | 23 | .0 | 348.2 | 13069 | -60.4 | 27 | .0 | 347.5 | 13041 | -59.3 | 28 | .0 | 349.3 | 13078 | -57.5 | 44 | .0 | 352.3 | 13082 | 180 |
| 190 | -57.3 | 23 | .0 | 347.2 | 12729 | -57.6 | 28 | .0 | 346.7 | 12702 | -56.4 | 28 | .0 | 348.7 | 12737 | -55.6 | 44 | .0 | 350.1 | 12739 | 190 |
| 200 | -54.8 | 22 | .0 | 346.2 | 12403 | -54.9 | 28 | .0 | 346.0 | 12376 | -53.6 | 29 | .0 | 348.0 | 12409 | -53.7 | 44 | .1 | 348.0 | 12410 | 200 |
| 225 | -49.0 | 21 | .0 | 343.7 | 11640 | -49.4 | 29 | .1 | 343.1 | 11615 | -47.3 | 29 | .1 | 346.4 | 11641 | -48.2 | 47 | .1 | 345.1 | 11644 | 225 |
| 250 | -43.2 | 20 | .1 | 342.2 | 10939 | -43.0 | 28 | .1 | 342.6 | 10915 | -41.6 | 30 | .1 | 344.7 | 10935 | -42.4 | 44 | .2 | 343.8 | 10941 | 250 |
| 275 | -37.4 | 19 | .1 | 341.5 | 10289 | -37.2 | 27 | .2 | 341.9 | 10264 | -36.7 | 34 | .2 | 342.9 | 10282 | -36.9 | 41 | .2 | 342.8 | 10289 | 275 |
| 300 | -32.1 | 18 | .2 | 340.8 | 9682 | -32.2 | 24 | .2 | 340.9 | 9657 | -31.7 | 26 | .2 | 341.7 | 9673 | -31.5 | 32 | .3 | 342.1 | 9681 | 300 |
| 325 | -27.4 | 18 | .2 | 339.9 | 9111 | -27.6 | 21 | .3 | 339.7 | 9086 | -27.0 | 18 | .2 | 340.5 | 9102 | -26.4 | 16 | .2 | 341.2 | 9108 | 325 |
| 350 | -23.8 | 18 | .3 | 337.8 | 8574 | -23.8 | 21 | .3 | 338.0 | 8549 | -22.9 | 20 | .3 | 339.3 | 8563 | -22.3 | 14 | .3 | 339.8 | 8568 | 350 |
| 375 | -20.5 | 17 | .3 | 335.8 | 8066 | -20.2 | 21 | .4 | 336.5 | 8042 | -19.0 | 22 | .5 | 338.4 | 8053 | -18.4 | 13 | .3 | 338.5 | 8057 | 375 |
| 400 | -17.4 | 17 | .4 | 334.0 | 7586 | -16.9 | 21 | .5 | 335.1 | 7560 | -15.4 | 23 | .7 | 337.5 | 7569 | -15.7 | 44 | 1.2 | 339.1 | 7573 | 400 |
| 425 | -14.0 | 18 | .5 | 333.1 | 7129 | -13.4 | 19 | .6 | 334.1 | 7102 | -12.1 | 19 | .7 | 336.1 | 7109 | -12.4 | 23 | .8 | 336.1 | 7113 | 425 |
| 450 | -10.7 | 18 | .7 | 332.3 | 6692 | -10.9 | 28 | 1.0 | 333.2 | 6665 | -9.0 | 18 | .8 | 334.8 | 6669 | -9.1 | 16 | .7 | 334.3 | 6673 | 450 |
| 475 | -7.7 | 18 | .8 | 331.5 | 6274 | -7.8 | 28 | 1.2 | 332.8 | 6247 | -6.1 | 19 | 1.0 | 334.0 | 6248 | -6.8 | 16 | .8 | 332.5 | 6253 | 475 |
| 500 | -4.8 | 19 | 1.0 | 330.9 | 5873 | -4.5 | 24 | 1.3 | 332.2 | 5846 | -3.4 | 21 | 1.2 | 333.2 | 5845 | -4.5 | 17 | .9 | 330.8 | 5851 | 500 |
| 525 | -2.3 | 19 | 1.2 | 329.8 | 5487 | -2.5 | 25 | 1.5 | 330.6 | 5460 | -1.8 | 26 | 1.6 | 332.0 | 5458 | -2.4 | 17 | 1.0 | 329.3 | 5465 | 525 |
| 550 | -.1 | 20 | 1.4 | 328.7 | 5116 | -.6 | 25 | 1.7 | 329.2 | 5090 | -.2 | 29 | 2.0 | 330.8 | 5087 | -.1 | 17 | 1.2 | 328.0 | 5095 | 550 |
| 575 | 2.0 | 20 | 1.5 | 327.7 | 4759 | 1.2 | 26 | 1.9 | 327.8 | 4733 | 2.2 | 28 | 2.2 | 329.9 | 4729 | 1.9 | 23 | 1.7 | 328.1 | 4738 | 575 |
| 600 | 4.1 | 20 | 1.7 | 326.8 | 4414 | 3.0 | 26 | 2.0 | 326.5 | 4390 | 4.4 | 27 | 2.3 | 329.0 | 4384 | 3.8 | 28 | 2.3 | 328.4 | 4393 | 600 |
| 625 | 6.0 | 21 | 1.9 | 326.0 | 4081 | 5.2 | 26 | 2.3 | 326.2 | 4058 | 6.5 | 25 | 2.4 | 328.1 | 4051 | 6.0 | 26 | 2.4 | 327.4 | 4061 | 625 |
| 650 | 7.9 | 21 | 2.2 | 325.2 | 3759 | 7.4 | 26 | 2.6 | 325.9 | 3736 | 8.5 | 24 | 2.6 | 327.2 | 3728 | 8.0 | 24 | 2.5 | 326.4 | 3738 | 650 |
| 675 | 9.7 | 21 | 2.4 | 324.5 | 3447 | 9.4 | 26 | 2.9 | 325.7 | 3425 | 10.5 | 23 | 2.7 | 326.3 | 3415 | 10.1 | 22 | 2.5 | 325.4 | 3426 | 675 |
| 700 | 11.5 | 22 | 2.6 | 323.8 | 3144 | 11.4 | 27 | 3.2 | 325.6 | 3122 | 12.4 | 22 | 2.8 | 325.5 | 3111 | 12.0 | 21 | 2.6 | 324.3 | 3123 | 700 |
| 725 | 13.2 | 22 | 2.9 | 323.3 | 2850 | 13.3 | 27 | 3.5 | 325.5 | 2828 | 14.2 | 21 | 2.9 | 324.6 | 2817 | 13.9 | 19 | 2.6 | 323.2 | 2828 | 725 |
| 750 | 14.4 | 23 | 3.2 | 322.6 | 2565 | 15.2 | 27 | 3.9 | 325.4 | 2542 | 15.8 | 24 | 3.5 | 325.1 | 2530 | 15.7 | 17 | 2.6 | 322.1 | 2542 | 750 |
| 775 | 15.5 | 25 | 3.6 | 322.0 | 2288 | 17.0 | 27 | 4.2 | 325.5 | 2263 | 16.9 | 32 | 5.0 | 327.8 | 2251 | 17.2 | 20 | 3.1 | 322.4 | 2264 | 775 |
| 800 | 16.5 | 27 | 4.0 | 321.5 | 2018 | 18.3 | 29 | 4.8 | 325.7 | 1992 | 17.9 | 42 | 6.8 | 331.1 | 1980 | 16.9 | 51 | 7.6 | 332.4 | 1993 | 800 |
| 825 | 16.5 | 43 | 6.1 | 324.7 | 1756 | 17.0 | 44 | 6.4 | 326.2 | 1729 | 18.4 | 43 | 7.0 | 329.4 | 1716 | 18.4 | 49 | 7.9 | 331.9 | 1730 | 825 |
| 850 | 15.6 | 74 | 9.7 | 330.8 | 1502 | 17.9 | 45 | 6.8 | 325.4 | 1474 | 19.0 | 50 | 8.1 | 330.3 | 1460 | 19.5 | 56 | 9.5 | 335.0 | 1473 | 850 |
| 875 | 17.7 | 69 | 10.1 | 331.6 | 1255 | 18.8 | 57 | 8.9 | 329.6 | 1226 | 19.8 | 68 | 11.3 | 337.7 | 1210 | 20.4 | 69 | 12.0 | 340.1 | 1223 | 875 |
| 900 | 19.9 | 63 | 10.3 | 332.1 | 1013 | 20.2 | 62 | 10.3 | 332.2 | 983 | 20.7 | 69 | 11.8 | 337.3 | 966 | 19.0 | 89 | 13.8 | 340.5 | 979 | 900 |
| 925 | 21.1 | 66 | 11.3 | 333.6 | 775 | 21.5 | 66 | 11.7 | 335.1 | 745 | 21.5 | 70 | 12.4 | 337.1 | 728 | 20.5 | 90 | 14.9 | 342.8 | 742 | 925 |
| 950 | 22.6 | 73 | 13.4 | 338.4 | 543 | 22.8 | 71 | 13.1 | 338.1 | 513 | 22.0 | 78 | 13.8 | 338.9 | 496 | 22.0 | 91 | 16.1 | 345.3 | 510 | 950 |
| 975 | 25.4 | 72 | 15.4 | 345.0 | 315 | 24.1 | 75 | 14.7 | 341.3 | 285 | 23.9 | 72 | 13.9 | 339.0 | 269 | 23.5 | 89 | 16.8 | 346.4 | 283 | 975 |
| 1000 | 28.2 | 72 | 17.6 | 352.1 | 91 | 27.1 | 76 | 17.4 | 350.1 | 62 | 26.9 | 72 | 16.3 | 346.7 | 46 | 24.9 | 86 | 17.3 | 346.8 | 60 | 1000 |
| SFC. | 29.3 | 72 | 18.6 | 355.2 | 0 | 29.2 | 74 | 19.1 | 356.7 | 0 | 28.0 | 75 | 18.0 | 352.4 | 0 | 25.3 | 85 | 17.4 | 346.9 | 0 | SFC. |
| | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1007.0 | | | | | SURFACE PRESSURE 1005.2 | | | | | SURFACE PRESSURE 1006.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/ 9 12 0 GMT T | RH | W | EPT | H | 4/10 540 GMT T | RH | W | EPT | H | 4/10 1151 GMT T | RH | W | EPT | H | 4/10 1643 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.1 | 0 | 0.0 | 460.7 | 19438 | -63.8 | 22 | .0 | 468.3 | 19520 | -71.2 | 0 | 0.0 | 451.6 | 19353 | -60.4 | 0 | 0.0 | 475.7 | 19457 | 60 |
| 70 | -69.9 | 0 | 0.0 | 434.9 | 18509 | -71.7 | 22 | .0 | 431.0 | 18593 | -75.0 | 0 | 0.0 | 423.9 | 18454 | -70.8 | 0 | 0.0 | 433.0 | 18520 | 70 |
| 80 | -69.1 | 0 | 0.0 | 420.2 | 17715 | -72.9 | 23 | .0 | 412.4 | 17811 | -75.7 | 0 | 0.0 | 406.6 | 17677 | -73.0 | 0 | 0.0 | 412.2 | 17737 | 80 |
| 90 | -79.9 | 0 | 0.0 | 384.8 | 17035 | -76.3 | 23 | .0 | 392.0 | 17125 | -80.9 | 19 | .0 | 382.8 | 17005 | -78.1 | 0 | 0.0 | 388.4 | 17054 | 90 |
| 100 | -83.2 | 31 | .0 | 367.0 | 16446 | -79.9 | 23 | .0 | 373.4 | 16523 | -80.7 | 19 | .0 | 371.8 | 16411 | -80.3 | 25 | .0 | 372.6 | 16458 | 100 |
| 110 | -81.7 | 31 | .0 | 359.9 | 15915 | -79.9 | 23 | .0 | 363.3 | 15984 | -81.5 | 19 | .0 | 360.4 | 15875 | -79.3 | 25 | .0 | 364.4 | 15918 | 110 |
| 120 | -77.8 | 31 | .0 | 358.3 | 15422 | -77.0 | 23 | .0 | 359.7 | 15489 | -78.0 | 19 | .0 | 357.8 | 15384 | -79.3 | 25 | .0 | 355.5 | 15424 | 120 |
| 130 | -74.1 | 30 | .0 | 356.8 | 14960 | -72.5 | 22 | .0 | 359.7 | 15024 | -73.9 | 18 | .0 | 357.1 | 14921 | -75.7 | 25 | .0 | 353.9 | 14966 | 130 |
| 140 | -70.8 | 30 | .0 | 355.2 | 14524 | -68.3 | 21 | .0 | 359.5 | 14584 | -70.1 | 18 | .0 | 356.3 | 14485 | -71.6 | 25 | .0 | 353.7 | 14533 | 140 |
| 150 | -67.6 | 30 | .0 | 353.6 | 14112 | -66.6 | 22 | .0 | 355.4 | 14168 | -67.9 | 18 | .0 | 353.2 | 14072 | -67.8 | 25 | .0 | 353.3 | 14122 | 150 |
| 160 | -64.7 | 30 | .0 | 352.1 | 13721 | -64.3 | 22 | .0 | 352.8 | 13776 | -65.5 | 18 | .0 | 350.7 | 13682 | -65.6 | 25 | .0 | 350.6 | 13731 | 160 |
| 170 | -62.0 | 31 | .0 | 350.6 | 13348 | -61.5 | 22 | .0 | 351.4 | 13403 | -62.5 | 18 | .0 | 349.8 | 13311 | -62.9 | 25 | .0 | 349.0 | 13361 | 170 |
| 180 | -59.5 | 32 | .0 | 349.0 | 12993 | -58.9 | 21 | .0 | 350.0 | 13046 | -59.6 | 17 | .0 | 348.8 | 12956 | -60.1 | 25 | .0 | 348.0 | 13006 | 180 |
| 190 | -57.1 | 34 | .0 | 347.5 | 12653 | -56.4 | 21 | .0 | 348.7 | 12705 | -56.9 | 17 | .0 | 347.9 | 12615 | -57.5 | 25 | .0 | 346.9 | 12667 | 190 |
| 200 | -54.9 | 35 | .0 | 346.1 | 12327 | -54.0 | 21 | .0 | 347.4 | 12377 | -54.7 | 17 | .0 | 346.2 | 12289 | -55.0 | 25 | .0 | 345.9 | 12341 | 200 |
| 225 | -49.7 | 39 | .1 | 342.7 | 11565 | -48.5 | 21 | .0 | 344.3 | 11612 | -49.3 | 15 | .0 | 343.2 | 11527 | -48.9 | 25 | .0 | 343.7 | 11578 | 225 |
| 250 | -44.6 | 47 | .1 | 340.4 | 10867 | -43.6 | 20 | .1 | 341.5 | 10911 | -43.7 | 16 | .0 | 341.4 | 10828 | -43.4 | 24 | .1 | 342.0 | 10878 | 250 |
| 275 | -39.3 | 43 | .2 | 339.1 | 10222 | -39.0 | 20 | .1 | 339.2 | 10264 | -40.3 | 16 | .1 | 337.1 | 10181 | -38.3 | 24 | .1 | 340.3 | 10229 | 275 |
| 300 | -33.9 | 28 | .2 | 338.4 | 9620 | -33.5 | 19 | .1 | 338.8 | 9661 | -34.7 | 15 | .1 | 336.9 | 9581 | -34.4 | 25 | .2 | 337.5 | 9626 | 300 |
| 325 | -29.1 | 20 | .2 | 337.5 | 9053 | -28.5 | 19 | .2 | 338.3 | 9093 | -29.5 | 14 | .1 | 336.6 | 9016 | -29.3 | 23 | .2 | 337.3 | 9061 | 325 |
| 350 | -25.0 | 22 | .3 | 336.4 | 8519 | -23.8 | 18 | .3 | 337.9 | 8557 | -24.8 | 14 | .2 | 336.2 | 8482 | -24.4 | 22 | .3 | 337.1 | 8526 | 350 |
| 375 | -21.8 | 63 | 1.1 | 336.9 | 8014 | -20.5 | 23 | .5 | 336.3 | 8049 | -21.5 | 15 | .3 | 334.2 | 7976 | -20.6 | 22 | .4 | 336.0 | 8019 | 375 |
| 400 | -17.4 | 71 | 1.7 | 338.5 | 7535 | -16.3 | 18 | .5 | 335.7 | 7568 | -18.9 | 44 | .9 | 333.9 | 7498 | -18.8 | 54 | 1.2 | 334.8 | 7540 | 400 |
| 425 | -14.2 | 55 | 1.6 | 336.7 | 7077 | -13.0 | 34 | 1.1 | 336.4 | 7108 | -15.3 | 62 | 1.7 | 335.3 | 7043 | -14.1 | 48 | 1.4 | 336.1 | 7084 | 425 |
| 450 | -11.0 | 14 | .5 | 331.3 | 6641 | -9.9 | 48 | 1.9 | 337.6 | 6670 | -12.1 | 41 | 1.4 | 332.9 | 6609 | -11.3 | 51 | 1.8 | 335.4 | 6648 | 450 |
| 475 | -8.3 | 16 | .7 | 330.2 | 6224 | -7.4 | 31 | 1.4 | 333.8 | 6251 | -9.4 | 28 | 1.1 | 330.2 | 6193 | -8.4 | 41 | 1.7 | 333.7 | 6231 | 475 |
| 500 | -6.3 | 24 | 1.1 | 329.5 | 5824 | -5.1 | 26 | 1.3 | 331.5 | 5850 | -7.3 | 22 | 1.0 | 327.6 | 5795 | -5.6 | 31 | 1.6 | 331.7 | 5831 | 500 |
| 525 | -4.4 | 23 | 1.2 | 327.4 | 5441 | -2.9 | 21 | 1.2 | 329.3 | 5465 | -5.3 | 16 | .8 | 324.8 | 5413 | -3.0 | 23 | 1.3 | 329.5 | 5446 | 525 |
| 550 | -2.2 | 16 | 1.0 | 324.9 | 5073 | -2.1 | 28 | 1.7 | 327.3 | 5095 | -4.0 | 20 | 1.1 | 323.0 | 5047 | -1.8 | 27 | 1.6 | 327.7 | 5077 | 550 |
| 575 | .1 | 18 | 1.2 | 324.3 | 4719 | .0 | 35 | 2.3 | 327.8 | 4741 | -2.3 | 27 | 1.5 | 322.5 | 4696 | -.5 | 31 | 2.0 | 326.0 | 4723 | 575 |
| 600 | 2.3 | 19 | 1.5 | 323.8 | 4376 | 2.4 | 29 | 2.2 | 326.2 | 4399 | .2 | 30 | 2.0 | 322.9 | 4356 | 1.7 | 36 | 2.6 | 326.7 | 4381 | 600 |
| 625 | 4.4 | 21 | 1.7 | 323.4 | 4046 | 4.6 | 25 | 2.1 | 324.7 | 4067 | 2.6 | 31 | 2.3 | 323.0 | 4027 | 4.0 | 40 | 3.2 | 327.5 | 4050 | 625 |
| 650 | 6.4 | 22 | 2.1 | 323.1 | 3725 | 6.5 | 34 | 3.2 | 326.8 | 3747 | 5.0 | 29 | 2.4 | 322.5 | 3709 | 6.2 | 38 | 3.5 | 327.2 | 3730 | 650 |
| 675 | 8.5 | 22 | 2.3 | 322.7 | 3415 | 8.4 | 44 | 4.5 | 329.3 | 3436 | 7.2 | 27 | 2.5 | 321.9 | 3400 | 8.3 | 36 | 3.7 | 326.8 | 3420 | 675 |
| 700 | 10.7 | 20 | 2.2 | 321.8 | 3113 | 11.0 | 35 | 4.2 | 328.0 | 3134 | 9.3 | 25 | 2.6 | 321.2 | 3100 | 10.4 | 34 | 3.9 | 326.5 | 3118 | 700 |
| 725 | 12.8 | 17 | 2.2 | 320.8 | 2820 | 13.8 | 29 | 4.0 | 327.5 | 2840 | 11.1 | 23 | 2.6 | 320.0 | 2808 | 12.4 | 33 | 4.1 | 326.1 | 2825 | 725 |
| 750 | 14.8 | 15 | 2.1 | 319.6 | 2535 | 16.8 | 25 | 4.0 | 327.7 | 2553 | 12.6 | 21 | 2.6 | 318.6 | 2525 | 14.3 | 31 | 4.3 | 325.7 | 2540 | 750 |
| 775 | 16.6 | 14 | 2.2 | 318.9 | 2257 | 17.1 | 28 | 4.4 | 326.2 | 2273 | 14.1 | 20 | 2.5 | 317.1 | 2249 | 16.0 | 30 | 4.5 | 325.3 | 2262 | 775 |
| 800 | 17.2 | 23 | 3.6 | 320.9 | 1987 | 17.3 | 32 | 4.9 | 324.9 | 2003 | 15.5 | 18 | 2.5 | 315.6 | 1981 | 16.9 | 33 | 5.1 | 325.0 | 1992 | 800 |
| 825 | 17.8 | 32 | 4.9 | 322.7 | 1724 | 18.0 | 45 | 7.1 | 329.2 | 1740 | 15.4 | 32 | 4.3 | 318.0 | 1720 | 16.7 | 44 | 6.4 | 325.7 | 1729 | 825 |
| 850 | 18.5 | 28 | 4.3 | 318.9 | 1469 | 16.9 | 71 | 10.1 | 333.5 | 1484 | 15.3 | 46 | 5.9 | 319.8 | 1467 | 15.3 | 61 | 7.8 | 325.3 | 1476 | 850 |
| 875 | 17.0 | 66 | 9.3 | 328.5 | 1221 | 16.6 | 88 | 12.1 | 335.7 | 1237 | 14.7 | 75 | 9.0 | 325.0 | 1222 | 15.6 | 90 | 11.5 | 332.8 | 1229 | 875 |
| 900 | 17.1 | 93 | 12.8 | 335.4 | 980 | 19.3 | 80 | 12.6 | 337.6 | 995 | 15.7 | 83 | 10.4 | 327.3 | 982 | 17.1 | 83 | 11.4 | 331.7 | 989 | 900 |
| 925 | 19.0 | 85 | 12.8 | 335.1 | 745 | 20.3 | 86 | 14.0 | 340.1 | 758 | 17.4 | 80 | 10.8 | 327.8 | 749 | 18.5 | 80 | 11.7 | 331.4 | 754 | 925 |
| 950 | 20.3 | 89 | 14.1 | 337.7 | 514 | 21.2 | 92 | 15.5 | 342.6 | 526 | 18.6 | 84 | 12.1 | 330.1 | 520 | 19.4 | 90 | 13.6 | 335.0 | 524 | 950 |
| 975 | 22.5 | 86 | 15.3 | 340.9 | 288 | 22.9 | 90 | 16.4 | 344.5 | 300 | 19.9 | 93 | 14.1 | 334.5 | 295 | 21.3 | 88 | 14.5 | 337.4 | 299 | 975 |
| 1000 | 24.7 | 83 | 16.4 | 344.1 | 66 | 24.5 | 88 | 17.3 | 346.2 | 77 | 22.8 | 90 | 16.0 | 340.6 | 75 | 23.5 | 83 | 15.4 | 339.9 | 78 | 1000 |
| SFC. | 25.3 | 82 | 16.8 | 345.1 | 0 | 25.1 | 87 | 17.6 | 346.9 | 0 | 24.1 | 90 | 17.1 | 344.4 | 0 | 24.7 | 85 | 16.7 | 344.1 | 0 | SFC. |
| | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1008.6 | | | | | SURFACE PRESSURE 1008.9 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/10 1933 GMT T | RH | W | EPT | H | 4/10 2250 GMT T | RH | W | EPT | H | 4/11 142 GMT T | RH | W | EPT | H | 4/11 5 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -63.0 | 0 | 0.0 | 469.9 | 19458 | -63.2 | 0 | 0.0 | 469.4 | 19534 | -63.1 | 0 | 0.0 | 469.7 | 19589 | -65.5 | 0 | 0.0 | 464.3 | 19549 | 60 |
| 70 | -71.0 | 0 | 0.0 | 432.6 | 18522 | -71.2 | 0 | 0.0 | 432.0 | 18599 | -71.8 | 0 | 0.0 | 430.8 | 18660 | -71.6 | 18 | .0 | 431.3 | 18626 | 70 |
| 80 | -72.7 | 0 | 0.0 | 412.7 | 17741 | -72.3 | 0 | 0.0 | 413.6 | 17817 | -70.9 | 19 | .0 | 416.6 | 17875 | -73.5 | 18 | .0 | 411.2 | 17842 | 80 |
| 90 | -77.1 | 20 | .0 | 390.3 | 17054 | -74.8 | 0 | 0.0 | 394.9 | 17126 | -74.1 | 19 | .0 | 396.3 | 17183 | -75.8 | 18 | .0 | 392.9 | 17159 | 90 |
| 100 | -79.5 | 20 | .0 | 374.2 | 16457 | -79.1 | 18 | .0 | 374.9 | 16520 | -77.8 | 20 | .0 | 377.4 | 16572 | -77.1 | 18 | .0 | 378.8 | 16550 | 100 |
| 110 | -80.1 | 21 | .0 | 362.9 | 15916 | -80.6 | 18 | .0 | 362.0 | 15977 | -79.9 | 20 | .0 | 363.3 | 16028 | -79.4 | 18 | .0 | 364.4 | 16006 | 110 |
| 120 | -79.2 | 20 | .0 | 355.8 | 15423 | -78.5 | 19 | .0 | 357.0 | 15485 | -77.8 | 19 | .0 | 358.3 | 15533 | -77.7 | 18 | .0 | 358.4 | 15512 | 120 |
| 130 | -75.6 | 20 | .0 | 354.1 | 14965 | -75.2 | 19 | .0 | 354.8 | 15025 | -74.5 | 18 | .0 | 356.1 | 15072 | -74.7 | 18 | .0 | 355.8 | 15050 | 130 |
| 140 | -72.3 | 20 | .0 | 352.5 | 14532 | -72.2 | 18 | .0 | 352.6 | 14592 | -71.3 | 18 | .0 | 354.3 | 14637 | -71.9 | 18 | .0 | 353.2 | 14616 | 140 |
| 150 | -69.2 | 20 | .0 | 350.9 | 14123 | -69.4 | 18 | .0 | 350.6 | 14183 | -68.3 | 17 | .0 | 352.5 | 14226 | -68.9 | 18 | .0 | 351.4 | 14207 | 150 |
| 160 | -66.3 | 20 | .0 | 349.5 | 13735 | -65.9 | 18 | .0 | 350.1 | 13795 | -65.1 | 17 | .0 | 351.5 | 13836 | -65.6 | 18 | .0 | 350.6 | 13818 | 160 |
| 170 | -63.1 | 20 | .0 | 348.7 | 13365 | -63.2 | 18 | .0 | 348.6 | 13424 | -61.9 | 17 | .0 | 350.8 | 13463 | -62.4 | 18 | .0 | 349.9 | 13446 | 170 |
| 180 | -60.2 | 20 | .0 | 347.9 | 13011 | -59.8 | 18 | .0 | 348.4 | 13070 | -58.9 | 17 | .0 | 350.0 | 13107 | -59.4 | 18 | .0 | 349.1 | 13091 | 180 |
| 190 | -57.4 | 19 | .0 | 347.1 | 12671 | -56.7 | 17 | .0 | 348.2 | 12730 | -56.0 | 17 | .0 | 349.2 | 12766 | -56.6 | 18 | .0 | 348.3 | 12751 | 190 |
| 200 | -54.7 | 19 | .0 | 346.2 | 12345 | -53.7 | 17 | .0 | 347.9 | 12402 | -53.3 | 17 | .0 | 348.4 | 12438 | -53.8 | 18 | .0 | 347.6 | 12423 | 200 |
| 225 | -48.6 | 19 | .0 | 344.2 | 11581 | -47.9 | 16 | .0 | 345.2 | 11635 | -46.8 | 17 | .0 | 346.9 | 11669 | -47.1 | 17 | .0 | 346.5 | 11655 | 225 |
| 250 | -43.2 | 19 | .1 | 342.2 | 10880 | -42.5 | 16 | .1 | 343.1 | 10932 | -41.5 | 16 | .1 | 344.7 | 10962 | -41.1 | 16 | .1 | 345.2 | 10949 | 250 |
| 275 | -38.2 | 18 | .1 | 340.3 | 10231 | -37.3 | 16 | .1 | 341.6 | 10281 | -35.7 | 16 | .1 | 343.9 | 10307 | -35.7 | 15 | .1 | 343.9 | 10293 | 275 |
| 300 | -34.2 | 18 | .1 | 337.8 | 9627 | -32.5 | 16 | .1 | 340.2 | 9674 | -30.8 | 15 | .1 | 342.6 | 9695 | -30.7 | 14 | .1 | 342.6 | 9682 | 300 |
| 325 | -29.2 | 18 | .2 | 337.2 | 9061 | -27.6 | 16 | .2 | 339.4 | 9104 | -26.2 | 15 | .2 | 341.5 | 9122 | -26.2 | 13 | .2 | 341.4 | 9108 | 325 |
| 350 | -24.5 | 18 | .3 | 336.7 | 8526 | -23.2 | 16 | .3 | 338.6 | 8566 | -21.8 | 15 | .3 | 340.5 | 8581 | -22.4 | 15 | .3 | 339.7 | 8568 | 350 |
| 375 | -20.2 | 18 | .4 | 336.3 | 8020 | -19.4 | 16 | .4 | 337.3 | 8057 | -17.8 | 15 | .4 | 339.6 | 8069 | -19.0 | 17 | .4 | 338.0 | 8058 | 375 |
| 400 | -19.0 | 40 | .9 | 333.4 | 7539 | -15.8 | 17 | .5 | 336.3 | 7575 | -15.0 | 20 | .6 | 337.8 | 7584 | -15.8 | 19 | .5 | 336.5 | 7574 | 400 |
| 425 | -15.0 | 37 | 1.0 | 333.6 | 7084 | -12.8 | 25 | .8 | 335.6 | 7115 | -11.9 | 29 | 1.1 | 337.6 | 7122 | -12.9 | 40 | 1.3 | 337.3 | 7115 | 425 |
| 450 | -12.4 | 50 | 1.7 | 333.5 | 6649 | -10.3 | 39 | 1.5 | 335.8 | 6677 | -9.0 | 38 | 1.6 | 337.8 | 6682 | -9.7 | 43 | 1.8 | 337.3 | 6676 | 450 |
| 475 | -9.8 | 43 | 1.6 | 331.6 | 6234 | -7.7 | 35 | 1.6 | 334.0 | 6258 | -6.1 | 39 | 2.0 | 337.4 | 6261 | -6.8 | 44 | 2.1 | 337.1 | 6256 | 475 |
| 500 | -6.6 | 30 | 1.4 | 329.8 | 5836 | -5.0 | 23 | 1.2 | 331.3 | 5857 | -3.0 | 22 | 1.3 | 334.2 | 5857 | -3.9 | 28 | 1.6 | 333.9 | 5853 | 500 |
| 525 | -4.1 | 24 | 1.3 | 327.9 | 5453 | -2.7 | 18 | 1.1 | 329.0 | 5472 | -1.5 | 18 | 1.1 | 330.7 | 5470 | -1.9 | 25 | 1.6 | 331.7 | 5466 | 525 |
| 550 | -1.8 | 18 | 1.1 | 325.8 | 5085 | -.6 | 17 | 1.2 | 327.5 | 5102 | -.2 | 17 | 1.1 | 327.9 | 5099 | .1 | 22 | 1.5 | 329.5 | 5095 | 550 |
| 575 | -.7 | 24 | 1.5 | 324.3 | 4731 | 1.4 | 17 | 1.3 | 326.0 | 4745 | 2.0 | 22 | 1.7 | 328.2 | 4742 | 1.9 | 19 | 1.4 | 327.3 | 4738 | 575 |
| 600 | 1.0 | 27 | 1.8 | 323.4 | 4390 | 2.8 | 26 | 2.0 | 326.1 | 4402 | 4.2 | 27 | 2.3 | 328.7 | 4397 | 3.9 | 23 | 1.9 | 327.2 | 4394 | 600 |
| 625 | 3.3 | 26 | 2.0 | 323.0 | 4060 | 4.9 | 28 | 2.4 | 326.2 | 4070 | 6.3 | 30 | 2.8 | 329.0 | 4063 | 5.8 | 30 | 2.8 | 328.4 | 4061 | 625 |
| 650 | 5.5 | 26 | 2.3 | 322.7 | 3741 | 7.5 | 25 | 2.4 | 325.6 | 3749 | 8.3 | 28 | 3.0 | 328.3 | 3741 | 7.8 | 32 | 3.2 | 328.5 | 3739 | 650 |
| 675 | 7.7 | 26 | 2.5 | 322.5 | 3431 | 9.4 | 23 | 2.5 | 324.6 | 3437 | 10.3 | 27 | 3.1 | 327.5 | 3428 | 9.8 | 30 | 3.4 | 327.6 | 3426 | 675 |
| 700 | 9.8 | 25 | 2.7 | 322.2 | 3131 | 11.3 | 22 | 2.6 | 323.6 | 3135 | 12.1 | 26 | 3.3 | 326.7 | 3125 | 11.8 | 28 | 3.4 | 326.7 | 3123 | 700 |
| 725 | 11.8 | 25 | 3.0 | 322.0 | 2838 | 13.2 | 20 | 2.6 | 322.6 | 2841 | 14.0 | 25 | 3.4 | 325.9 | 2830 | 13.6 | 26 | 3.5 | 325.8 | 2829 | 725 |
| 750 | 13.8 | 24 | 3.2 | 321.8 | 2554 | 14.9 | 19 | 2.7 | 321.5 | 2555 | 15.7 | 24 | 3.5 | 325.1 | 2543 | 15.2 | 27 | 3.9 | 325.5 | 2543 | 750 |
| 775 | 15.6 | 24 | 3.5 | 321.7 | 2277 | 16.3 | 23 | 3.4 | 322.4 | 2278 | 17.4 | 23 | 3.6 | 324.2 | 2265 | 16.7 | 28 | 4.2 | 325.3 | 2264 | 775 |
| 800 | 16.2 | 27 | 3.9 | 320.8 | 2007 | 17.3 | 30 | 4.6 | 323.9 | 2007 | 18.7 | 23 | 3.9 | 323.6 | 1993 | 14.8 | 33 | 4.3 | 320.3 | 1994 | 800 |
| 825 | 15.7 | 35 | 4.7 | 319.8 | 1746 | 18.0 | 27 | 4.2 | 320.7 | 1744 | 18.2 | 38 | 6.1 | 326.6 | 1729 | 13.7 | 87 | 10.5 | 333.5 | 1735 | 825 |
| 850 | 14.3 | 53 | 6.3 | 320.0 | 1493 | 14.4 | 70 | 8.6 | 326.1 | 1491 | 16.4 | 69 | 9.6 | 331.3 | 1475 | 15.8 | 93 | 12.5 | 338.7 | 1482 | 850 |
| 875 | 14.5 | 65 | 7.8 | 321.3 | 1248 | 16.5 | 66 | 9.0 | 327.1 | 1245 | 18.5 | 64 | 9.8 | 331.6 | 1227 | 17.8 | 86 | 12.6 | 338.7 | 1234 | 875 |
| 900 | 15.6 | 71 | 8.8 | 322.8 | 1009 | 18.6 | 62 | 9.3 | 327.9 | 1003 | 20.5 | 58 | 9.9 | 331.7 | 984 | 19.6 | 78 | 12.6 | 338.2 | 991 | 900 |
| 925 | 17.1 | 73 | 9.7 | 324.5 | 776 | 20.6 | 58 | 9.7 | 328.5 | 767 | 22.5 | 53 | 9.9 | 331.4 | 746 | 21.5 | 71 | 12.5 | 337.3 | 754 | 925 |
| 950 | 18.9 | 75 | 10.9 | 327.2 | 547 | 21.9 | 59 | 10.4 | 329.5 | 536 | 24.4 | 48 | 9.8 | 330.8 | 513 | 23.2 | 64 | 12.2 | 336.1 | 521 | 950 |
| 975 | 23.1 | 72 | 13.3 | 336.4 | 322 | 22.4 | 67 | 11.8 | 331.3 | 310 | 25.2 | 51 | 10.7 | 331.6 | 285 | 24.6 | 67 | 13.4 | 338.4 | 294 | 975 |
| 1000 | 27.2 | 70 | 16.1 | 346.6 | 98 | 26.4 | 65 | 14.1 | 340.0 | 88 | 27.0 | 57 | 13.0 | 337.6 | 62 | 25.9 | 69 | 14.7 | 341.0 | 70 | 1000 |
| SFC. | 29.0 | 69 | 17.5 | 351.5 | 0 | 29.1 | 67 | 17.1 | 350.7 | 0 | 29.5 | 65 | 17.0 | 351.3 | 0 | 26.3 | 70 | 15.1 | 341.9 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1011.1 | SURFACE PRESSURE | | | | 1009.9 | SURFACE PRESSURE | | | | 1007.0 | SURFACE PRESSURE | | | | 1008.0 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 4/11 1133 GMT | | | | | 4/11 1732 GMT | | | | | 4/11 2345 GMT | | | | | 4/12 531 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.2 | 0 | 0.0 | 464.9 | 19482 | -63.6 | 0 | 0.0 | 468.6 | 19631 | -65.2 | 0 | 0.0 | 464.9 | 19507 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -71.7 | 0 | 0.0 | 431.1 | 18558 | -69.6 | 0 | 0.0 | 435.5 | 18698 | -68.9 | 0 | 0.0 | 437.0 | 18577 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -77.0 | 28 | .0 | 403.9 | 17781 | -73.0 | 18 | .0 | 412.2 | 17911 | -74.7 | 18 | .0 | 408.7 | 17789 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -79.1 | 28 | .0 | 386.4 | 17110 | -77.8 | 18 | .0 | 389.0 | 17225 | -79.8 | 19 | .0 | 385.0 | 17114 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -77.3 | 28 | .0 | 378.4 | 16509 | -76.8 | 19 | .0 | 379.4 | 16621 | -78.0 | 20 | .0 | 377.1 | 16514 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -78.5 | 28 | .0 | 366.0 | 15964 | -75.0 | 19 | .0 | 372.5 | 16070 | -74.9 | 20 | .0 | 372.8 | 15965 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -79.1 | 28 | .0 | 355.8 | 15469 | -73.4 | 19 | .0 | 366.3 | 15563 | -75.4 | 20 | .0 | 362.7 | 15458 | -74.3 | 23 | .0 | 364.7 | 15497 | 120 |
| 130 | -75.7 | 27 | .0 | 353.9 | 15010 | -71.0 | 19 | .0 | 362.4 | 15093 | -75.2 | 20 | .0 | 354.8 | 14996 | -74.5 | 22 | .0 | 356.0 | 15032 | 130 |
| 140 | -72.5 | 27 | .0 | 352.1 | 14579 | -68.1 | 19 | .0 | 359.9 | 14651 | -72.3 | 20 | .0 | 352.5 | 14564 | -71.3 | 22 | .0 | 354.2 | 14597 | 140 |
| 150 | -69.6 | 26 | .0 | 350.3 | 14170 | -65.4 | 19 | .0 | 357.5 | 14234 | -69.1 | 20 | .0 | 351.0 | 14155 | -68.3 | 22 | .0 | 352.5 | 14186 | 150 |
| 160 | -66.2 | 26 | .0 | 349.5 | 13782 | -62.9 | 18 | .0 | 355.2 | 13839 | -66.2 | 19 | .0 | 349.6 | 13766 | -65.5 | 22 | .0 | 350.8 | 13796 | 160 |
| 170 | -63.0 | 25 | .0 | 348.9 | 13412 | -60.5 | 18 | .0 | 353.0 | 13463 | -63.4 | 19 | .0 | 348.2 | 13396 | -62.9 | 22 | .0 | 349.1 | 13425 | 170 |
| 180 | -60.0 | 25 | .0 | 348.2 | 13058 | -58.3 | 18 | .0 | 350.9 | 13106 | -60.8 | 19 | .0 | 346.8 | 13043 | -60.4 | 22 | .0 | 347.5 | 13071 | 180 |
| 190 | -57.1 | 25 | .0 | 347.5 | 12718 | -56.1 | 18 | .0 | 349.1 | 12764 | -58.0 | 19 | .0 | 346.0 | 12705 | -57.9 | 22 | .0 | 346.3 | 12733 | 190 |
| 200 | -54.0 | 25 | .0 | 347.5 | 12391 | -53.3 | 18 | .0 | 348.4 | 12436 | -55.1 | 18 | .0 | 345.6 | 12379 | -54.8 | 21 | .0 | 346.1 | 12407 | 200 |
| 225 | -48.2 | 26 | .1 | 344.8 | 11624 | -47.0 | 17 | .0 | 346.7 | 11666 | -48.5 | 18 | .0 | 344.3 | 11616 | -47.8 | 19 | .0 | 345.5 | 11642 | 225 |
| 250 | -42.1 | 23 | .1 | 343.9 | 10920 | -41.3 | 17 | .1 | 345.0 | 10960 | -42.5 | 17 | .1 | 343.1 | 10914 | -42.5 | 19 | .1 | 343.2 | 10939 | 250 |
| 275 | -36.4 | 21 | .1 | 343.0 | 10267 | -35.9 | 16 | .1 | 343.6 | 10305 | -36.8 | 17 | .1 | 342.3 | 10262 | -36.9 | 17 | .1 | 342.2 | 10288 | 275 |
| 300 | -31.4 | 20 | .2 | 341.9 | 9658 | -31.0 | 16 | .1 | 342.3 | 9694 | -31.8 | 16 | .1 | 341.2 | 9653 | -31.8 | 16 | .1 | 341.1 | 9679 | 300 |
| 325 | -26.8 | 19 | .2 | 340.8 | 9086 | -26.4 | 15 | .2 | 341.1 | 9121 | -27.2 | 16 | .2 | 340.0 | 9082 | -27.1 | 15 | .2 | 340.1 | 9108 | 325 |
| 350 | -22.6 | 18 | .3 | 339.6 | 8546 | -22.2 | 14 | .3 | 339.8 | 8581 | -23.2 | 15 | .3 | 338.5 | 8544 | -23.2 | 16 | .3 | 338.6 | 8570 | 350 |
| 375 | -20.9 | 19 | .4 | 335.4 | 8037 | -20.1 | 16 | .3 | 336.3 | 8072 | -19.7 | 16 | .3 | 336.8 | 8035 | -19.5 | 17 | .4 | 337.2 | 8061 | 375 |
| 400 | -18.7 | 83 | 1.8 | 337.1 | 7559 | -16.1 | 17 | .5 | 335.9 | 7590 | -16.5 | 17 | .4 | 335.3 | 7553 | -16.3 | 17 | .5 | 335.6 | 7579 | 400 |
| 425 | -14.4 | 59 | 1.7 | 336.7 | 7103 | -13.6 | 38 | 1.2 | 335.8 | 7131 | -13.0 | 18 | .6 | 334.6 | 7094 | -12.6 | 17 | .6 | 335.0 | 7119 | 425 |
| 450 | -10.6 | 47 | 1.8 | 336.2 | 6667 | -10.6 | 40 | 1.5 | 335.3 | 6694 | -10.0 | 22 | .9 | 333.8 | 6656 | -9.9 | 34 | 1.3 | 335.7 | 6681 | 450 |
| 475 | -7.8 | 38 | 1.7 | 334.3 | 6248 | -7.7 | 42 | 1.9 | 335.0 | 6276 | -7.6 | 27 | 1.2 | 333.0 | 6237 | -6.9 | 41 | 2.0 | 336.3 | 6261 | 475 |
| 500 | -5.2 | 29 | 1.5 | 332.0 | 5848 | -5.0 | 44 | 2.3 | 334.9 | 5874 | -5.3 | 32 | 1.6 | 332.3 | 5836 | -4.6 | 48 | 2.6 | 336.4 | 5859 | 500 |
| 525 | -3.0 | 19 | 1.1 | 328.7 | 5463 | -2.0 | 28 | 1.7 | 332.0 | 5489 | -3.0 | 29 | 1.7 | 330.7 | 5452 | -1.8 | 34 | 2.2 | 333.8 | 5472 | 525 |
| 550 | -.5 | 17 | 1.1 | 327.6 | 5093 | .0 | 18 | 1.3 | 328.6 | 5117 | -1.0 | 18 | 1.2 | 327.1 | 5082 | -.2 | 18 | 1.3 | 328.3 | 5101 | 550 |
| 575 | 1.7 | 17 | 1.3 | 326.5 | 4736 | 1.6 | 20 | 1.5 | 327.0 | 4760 | .2 | 24 | 1.6 | 325.8 | 4726 | 1.4 | 35 | 2.6 | 330.3 | 4744 | 575 |
| 600 | 2.8 | 16 | 1.2 | 323.8 | 4393 | 3.1 | 21 | 1.7 | 325.5 | 4417 | 1.3 | 30 | 2.1 | 324.7 | 4384 | 2.6 | 49 | 3.8 | 331.4 | 4400 | 600 |
| 625 | 4.9 | 24 | 2.1 | 325.0 | 4061 | 4.6 | 23 | 1.9 | 324.1 | 4085 | 2.4 | 35 | 2.6 | 323.7 | 4055 | 3.9 | 48 | 3.8 | 329.3 | 4069 | 625 |
| 650 | 6.6 | 27 | 2.5 | 324.7 | 3740 | 5.9 | 24 | 2.1 | 322.8 | 3765 | 4.5 | 34 | 2.8 | 323.0 | 3737 | 5.0 | 44 | 3.7 | 326.5 | 3750 | 650 |
| 675 | 8.1 | 24 | 2.4 | 322.8 | 3430 | 8.3 | 24 | 2.5 | 323.1 | 3455 | 6.9 | 30 | 2.8 | 322.4 | 3429 | 6.9 | 38 | 3.5 | 324.7 | 3441 | 675 |
| 700 | 10.2 | 21 | 2.4 | 321.6 | 3129 | 10.6 | 25 | 2.8 | 323.4 | 3153 | 9.2 | 27 | 2.8 | 321.6 | 3129 | 9.2 | 36 | 3.7 | 324.6 | 3140 | 700 |
| 725 | 12.2 | 19 | 2.3 | 320.3 | 2836 | 12.8 | 25 | 3.2 | 323.9 | 2860 | 11.4 | 23 | 2.7 | 320.7 | 2837 | 11.4 | 33 | 3.9 | 324.3 | 2848 | 725 |
| 750 | 14.1 | 17 | 2.3 | 319.3 | 2551 | 14.9 | 25 | 3.6 | 324.4 | 2574 | 13.5 | 21 | 2.6 | 319.8 | 2553 | 13.6 | 31 | 4.0 | 324.0 | 2564 | 750 |
| 775 | 15.9 | 15 | 2.2 | 318.3 | 2274 | 17.0 | 26 | 4.0 | 325.0 | 2296 | 15.4 | 20 | 2.8 | 319.3 | 2276 | 15.6 | 29 | 4.1 | 323.6 | 2287 | 775 |
| 800 | 17.6 | 14 | 2.2 | 317.2 | 2005 | 18.7 | 29 | 4.8 | 326.2 | 2025 | 17.3 | 31 | 4.8 | 324.5 | 2006 | 17.3 | 33 | 5.1 | 325.7 | 2017 | 800 |
| 825 | 13.1 | 96 | 11.1 | 334.6 | 1745 | 14.9 | 80 | 10.4 | 334.7 | 1762 | 15.2 | 56 | 7.4 | 326.8 | 1744 | 18.0 | 55 | 8.7 | 333.8 | 1754 | 825 |
| 850 | 15.4 | 91 | 11.8 | 336.4 | 1492 | 16.7 | 82 | 11.6 | 337.3 | 1507 | 15.7 | 76 | 10.2 | 332.2 | 1491 | 18.1 | 75 | 11.7 | 339.4 | 1498 | 850 |
| 875 | 17.6 | 85 | 12.5 | 338.1 | 1244 | 18.7 | 76 | 11.8 | 337.6 | 1259 | 17.7 | 73 | 10.7 | 333.2 | 1243 | 18.5 | 76 | 11.7 | 337.1 | 1249 | 875 |
| 900 | 18.8 | 95 | 14.5 | 342.3 | 1002 | 20.7 | 70 | 12.0 | 337.7 | 1015 | 18.8 | 68 | 10.4 | 331.1 | 1001 | 20.2 | 73 | 12.2 | 337.7 | 1006 | 900 |
| 925 | 20.1 | 91 | 14.7 | 341.7 | 765 | 21.9 | 72 | 13.0 | 339.2 | 777 | 19.9 | 64 | 10.1 | 328.9 | 765 | 22.2 | 69 | 12.7 | 338.7 | 768 | 925 |
| 950 | 21.5 | 87 | 14.9 | 341.1 | 533 | 22.9 | 79 | 14.9 | 342.9 | 545 | 21.2 | 62 | 10.4 | 328.5 | 534 | 23.9 | 67 | 13.3 | 339.8 | 534 | 950 |
| 975 | 22.7 | 83 | 14.9 | 340.3 | 307 | 25.1 | 80 | 16.7 | 348.2 | 316 | 23.2 | 67 | 12.3 | 333.6 | 308 | 24.8 | 74 | 15.2 | 343.5 | 306 | 975 |
| 1000 | 25.6 | 77 | 16.2 | 344.9 | 85 | 27.1 | 82 | 18.8 | 353.8 | 92 | 25.2 | 63 | 12.8 | 335.0 | 86 | 25.7 | 81 | 17.1 | 347.4 | 83 | 1000 |
| SFC. | 27.2 | 75 | 17.1 | 348.3 | 0 | 28.0 | 82 | 19.7 | 356.3 | 0 | 31.0 | 74 | 21.2 | 364.8 | 0 | 26.0 | 84 | 17.9 | 348.9 | 0 | SFC. |
| | SURFACE PRESSURE 1009.6 | | | | | SURFACE PRESSURE 1010.4 | | | | | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1009.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 4/12 12 5 GMT | | | | | 4/13 0 8 GMT | | | | | 4/13 535 GMT | | | | | 4/13 1154 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -66.3 | 0 | 0.0 | 462.5 | 19406 | -67.0 | 0 | 0.0 | 460.9 | 19474 | -67.8 | 0 | 0.0 | 459.2 | 19436 | -63.1 | 25 | .0 | 469.9 | 19418 | 60 |
| 70 | -70.0 | 0 | 0.0 | 434.7 | 18482 | -69.1 | 0 | 0.0 | 436.6 | 18548 | -72.8 | 25 | .0 | 428.6 | 18521 | -73.9 | 25 | .0 | 426.3 | 18494 | 70 |
| 80 | -78.8 | 20 | .0 | 400.2 | 17711 | -75.9 | 0 | 0.0 | 406.2 | 17763 | -76.3 | 25 | .0 | 405.3 | 17745 | -76.1 | 25 | .0 | 405.8 | 17719 | 80 |
| 90 | -80.5 | 20 | .0 | 383.6 | 17043 | -78.6 | 20 | .0 | 387.4 | 17090 | -79.4 | 25 | .0 | 385.7 | 17071 | -78.5 | 25 | .0 | 387.6 | 17043 | 90 |
| 100 | -79.9 | 20 | .0 | 373.4 | 16450 | -79.6 | 20 | .0 | 374.0 | 16491 | -82.2 | 25 | .0 | 368.9 | 16478 | -81.7 | 25 | .0 | 369.9 | 16447 | 100 |
| 110 | -78.4 | 20 | .0 | 366.1 | 15909 | -76.8 | 20 | .0 | 369.1 | 15946 | -79.4 | 25 | .0 | 364.3 | 15941 | -79.4 | 25 | .0 | 364.3 | 15910 | 110 |
| 120 | -77.1 | 20 | .0 | 359.6 | 15411 | -76.2 | 20 | .0 | 361.1 | 15445 | -76.8 | 25 | .0 | 360.0 | 15444 | -75.7 | 25 | .0 | 362.0 | 15411 | 120 |
| 130 | -75.8 | 20 | .0 | 353.7 | 14950 | -75.1 | 20 | .0 | 354.9 | 14983 | -74.5 | 25 | .0 | 356.1 | 14981 | -72.8 | 25 | .0 | 359.1 | 14945 | 130 |
| 140 | -72.5 | 20 | .0 | 352.1 | 14518 | -72.0 | 20 | .0 | 353.0 | 14550 | -72.3 | 25 | .0 | 352.5 | 14547 | -72.3 | 25 | .0 | 352.4 | 14511 | 140 |
| 150 | -69.2 | 20 | .0 | 350.9 | 14109 | -69.1 | 20 | .0 | 351.1 | 14141 | -69.0 | 24 | .0 | 351.2 | 14138 | -69.5 | 25 | .0 | 350.3 | 14102 | 150 |
| 160 | -66.1 | 20 | .0 | 349.7 | 13721 | -66.4 | 20 | .0 | 349.3 | 13752 | -66.0 | 24 | .0 | 349.9 | 13750 | -66.9 | 25 | .0 | 348.3 | 13715 | 160 |
| 170 | -63.2 | 20 | .0 | 348.5 | 13351 | -63.4 | 20 | .0 | 348.3 | 13383 | -63.2 | 23 | .0 | 348.7 | 13379 | -64.5 | 25 | .0 | 346.4 | 13346 | 170 |
| 180 | -60.5 | 20 | .0 | 347.4 | 12997 | -60.4 | 19 | .0 | 347.6 | 13029 | -60.5 | 23 | .0 | 347.4 | 13026 | -61.7 | 24 | .0 | 345.4 | 12995 | 180 |
| 190 | -57.5 | 20 | .0 | 346.8 | 12658 | -57.5 | 18 | .0 | 346.8 | 12690 | -57.9 | 23 | .0 | 346.2 | 12687 | -58.8 | 25 | .0 | 344.7 | 12658 | 190 |
| 200 | -54.5 | 19 | .0 | 346.6 | 12332 | -54.7 | 18 | .0 | 346.3 | 12364 | -55.5 | 22 | .0 | 345.0 | 12362 | -56.0 | 26 | .0 | 344.2 | 12334 | 200 |
| 225 | -47.9 | 18 | .0 | 345.3 | 11566 | -47.7 | 18 | .0 | 345.7 | 11598 | -48.7 | 22 | .0 | 344.1 | 11600 | -49.5 | 28 | .1 | 342.9 | 11573 | 225 |
| 250 | -44.2 | 19 | .1 | 340.6 | 10865 | -41.4 | 18 | .1 | 344.9 | 10893 | -42.2 | 22 | .1 | 343.7 | 10897 | -43.7 | 30 | .1 | 341.6 | 10874 | 250 |
| 275 | -38.3 | 17 | .1 | 340.1 | 10218 | -37.2 | 18 | .1 | 341.8 | 10240 | -36.5 | 22 | .1 | 342.9 | 10244 | -38.4 | 32 | .2 | 340.2 | 10226 | 275 |
| 300 | -32.9 | 16 | .1 | 339.5 | 9613 | -32.5 | 18 | .1 | 340.3 | 9633 | -32.6 | 19 | .2 | 340.1 | 9636 | -33.3 | 25 | .2 | 339.2 | 9622 | 300 |
| 325 | -28.0 | 14 | .2 | 338.8 | 9044 | -27.6 | 17 | .2 | 339.5 | 9063 | -28.3 | 18 | .2 | 338.6 | 9067 | -28.5 | 17 | .2 | 338.2 | 9054 | 325 |
| 350 | -24.4 | 14 | .2 | 336.8 | 8508 | -23.1 | 17 | .3 | 338.7 | 8525 | -24.1 | 17 | .3 | 337.3 | 8531 | -24.2 | 15 | .2 | 337.1 | 8518 | 350 |
| 375 | -21.1 | 15 | .3 | 334.7 | 8002 | -20.0 | 17 | .4 | 336.6 | 8017 | -20.3 | 16 | .3 | 336.1 | 8024 | -20.5 | 14 | .3 | 335.6 | 8011 | 375 |
| 400 | -18.1 | 15 | .3 | 332.8 | 7522 | -17.1 | 17 | .4 | 334.4 | 7535 | -16.7 | 16 | .4 | 334.9 | 7543 | -17.0 | 14 | .4 | 334.3 | 7530 | 400 |
| 425 | -13.8 | 14 | .4 | 332.9 | 7066 | -13.9 | 19 | .6 | 333.2 | 7078 | -13.0 | 16 | .5 | 334.4 | 7083 | -13.6 | 14 | .4 | 333.1 | 7072 | 425 |
| 450 | -12.4 | 26 | .8 | 330.8 | 6630 | -11.0 | 20 | .7 | 332.2 | 6641 | -10.8 | 20 | .7 | 332.4 | 6646 | -11.6 | 18 | .6 | 331.1 | 6636 | 450 |
| 475 | -9.9 | 33 | 1.3 | 330.2 | 6215 | -8.2 | 22 | .9 | 331.3 | 6224 | -8.7 | 23 | 1.0 | 330.7 | 6229 | -9.6 | 22 | .9 | 329.2 | 6220 | 475 |
| 500 | -7.8 | 24 | 1.0 | 327.2 | 5818 | -6.6 | 23 | 1.1 | 328.9 | 5824 | -6.7 | 26 | 1.2 | 329.2 | 5830 | -7.7 | 26 | 1.1 | 327.5 | 5822 | 500 |
| 525 | -6.8 | 40 | 1.7 | 326.2 | 5438 | -4.7 | 25 | 1.3 | 327.3 | 5442 | -4.8 | 29 | 1.5 | 327.8 | 5447 | -5.7 | 27 | 1.3 | 326.0 | 5442 | 525 |
| 550 | -4.7 | 61 | 3.0 | 328.2 | 5073 | -2.3 | 26 | 1.6 | 326.8 | 5074 | -2.9 | 37 | 2.1 | 327.8 | 5080 | -2.7 | 17 | 1.0 | 324.3 | 5075 | 550 |
| 575 | -2.0 | 59 | 3.4 | 328.6 | 4721 | -.1 | 38 | 2.5 | 328.3 | 4719 | -.4 | 57 | 3.6 | 331.4 | 4726 | -.5 | 36 | 2.3 | 327.0 | 4721 | 575 |
| 600 | 1.5 | 37 | 2.6 | 326.4 | 4381 | 2.2 | 37 | 2.8 | 327.8 | 4377 | 2.1 | 47 | 3.5 | 329.9 | 4384 | 1.7 | 42 | 3.0 | 328.0 | 4379 | 600 |
| 625 | 3.5 | 33 | 2.6 | 325.0 | 4050 | 4.3 | 35 | 2.9 | 327.1 | 4046 | 4.6 | 41 | 3.5 | 329.2 | 4052 | 4.1 | 27 | 2.2 | 324.4 | 4049 | 625 |
| 650 | 5.2 | 32 | 2.7 | 323.8 | 3731 | 6.4 | 34 | 3.1 | 326.4 | 3726 | 7.1 | 36 | 3.4 | 328.2 | 3731 | 6.5 | 32 | 3.0 | 326.1 | 3729 | 650 |
| 675 | 6.7 | 32 | 2.9 | 322.6 | 3422 | 8.4 | 32 | 3.3 | 325.7 | 3415 | 8.7 | 41 | 4.2 | 329.0 | 3420 | 7.9 | 34 | 3.4 | 325.4 | 3418 | 675 |
| 700 | 8.5 | 41 | 4.0 | 324.7 | 3122 | 9.6 | 38 | 4.1 | 326.1 | 3114 | 9.5 | 35 | 3.7 | 325.0 | 3118 | 9.0 | 34 | 3.5 | 323.5 | 3117 | 700 |
| 725 | 10.6 | 30 | 3.3 | 321.7 | 2831 | 10.7 | 45 | 5.0 | 326.8 | 2822 | 10.8 | 43 | 4.9 | 326.6 | 2826 | 9.8 | 46 | 4.8 | 325.1 | 2826 | 725 |
| 750 | 12.4 | 28 | 3.3 | 320.7 | 2548 | 11.8 | 51 | 5.9 | 327.6 | 2538 | 11.8 | 39 | 4.5 | 323.5 | 2543 | 11.6 | 36 | 4.1 | 321.9 | 2544 | 750 |
| 775 | 14.1 | 26 | 3.3 | 319.6 | 2273 | 13.4 | 50 | 6.2 | 327.2 | 2263 | 12.7 | 35 | 4.2 | 320.5 | 2269 | 13.8 | 31 | 3.9 | 321.1 | 2269 | 775 |
| 800 | 15.4 | 32 | 4.4 | 321.3 | 2004 | 15.1 | 47 | 6.3 | 326.3 | 1995 | 14.7 | 35 | 4.6 | 321.1 | 2001 | 16.0 | 26 | 3.7 | 320.0 | 2000 | 800 |
| 825 | 13.5 | 87 | 10.3 | 332.9 | 1743 | 16.7 | 43 | 6.2 | 325.2 | 1734 | 17.4 | 37 | 5.5 | 323.9 | 1740 | 17.6 | 32 | 4.8 | 322.2 | 1738 | 825 |
| 850 | 14.3 | 97 | 11.8 | 335.1 | 1491 | 16.4 | 53 | 7.3 | 325.1 | 1479 | 19.7 | 39 | 6.7 | 327.1 | 1484 | 17.2 | 36 | 5.2 | 320.0 | 1483 | 850 |
| 875 | 16.0 | 96 | 12.6 | 336.3 | 1244 | 17.4 | 58 | 8.3 | 326.3 | 1231 | 17.1 | 69 | 9.8 | 330.1 | 1235 | 15.5 | 96 | 12.3 | 335.0 | 1237 | 875 |
| 900 | 17.5 | 95 | 13.3 | 337.5 | 1003 | 18.7 | 61 | 9.2 | 327.6 | 990 | 18.2 | 79 | 11.6 | 333.7 | 994 | 17.7 | 86 | 12.3 | 335.0 | 996 | 900 |
| 925 | 19.0 | 93 | 14.1 | 338.7 | 768 | 19.9 | 64 | 10.2 | 329.1 | 754 | 19.3 | 88 | 13.6 | 337.5 | 758 | 19.5 | 82 | 12.7 | 335.5 | 760 | 925 |
| 950 | 20.4 | 93 | 15.0 | 340.0 | 537 | 21.1 | 67 | 11.2 | 330.7 | 523 | 20.6 | 94 | 15.2 | 341.0 | 527 | 20.5 | 87 | 14.1 | 337.9 | 529 | 950 |
| 975 | 22.3 | 92 | 16.3 | 343.2 | 311 | 22.3 | 70 | 12.3 | 332.5 | 297 | 22.7 | 88 | 15.8 | 342.6 | 300 | 22.6 | 88 | 15.8 | 342.3 | 303 | 975 |
| 1000 | 24.5 | 91 | 18.0 | 348.2 | 89 | 24.4 | 74 | 14.4 | 338.2 | 76 | 24.8 | 84 | 16.8 | 345.3 | 78 | 24.8 | 88 | 17.6 | 347.5 | 81 | 1000 |
| SFC. | 25.4 | 91 | 18.7 | 350.2 | 0 | 29.0 | 78 | 19.9 | 358.5 | 0 | 25.9 | 90 | 19.1 | 352.1 | 0 | 25.6 | 88 | 18.3 | 349.5 | 0 | SFC. |
| | SURFACE PRESSURE 1010.1 | | | | | SURFACE PRESSURE 1008.6 | | | | | SURFACE PRESSURE 1008.9 | | | | | SURFACE PRESSURE 1009.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/13 1714 GMT T | RH | W | EPT | H | 4/13 2034 GMT T | RH | W | EPT | H | 4/13 2235 GMT T | RH | W | EPT | H | 4/14 140 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.9 | 0 | 0.0 | 470.1 | 19567 | -64.5 | 0 | 0.0 | 466.5 | 19481 | -65.8 | 0 | 0.0 | 463.6 | 19422 | -65.7 | 0 | 0.0 | 463.9 | 19551 | 60 |
| 70 | -71.1 | 20 | .0 | 432.4 | 18631 | -71.3 | 0 | 0.0 | 431.9 | 18552 | -76.1 | 0 | 0.0 | 421.6 | 18509 | -75.4 | 0 | 0.0 | 423.1 | 18642 | 70 |
| 80 | -75.3 | 20 | .0 | 407.6 | 17849 | -73.5 | 0 | 0.0 | 411.2 | 17771 | -74.2 | 0 | 0.0 | 409.7 | 17731 | -77.1 | 0 | 0.0 | 403.8 | 17866 | 80 |
| 90 | -79.0 | 20 | .0 | 386.7 | 17173 | -77.8 | 0 | 0.0 | 389.0 | 17092 | -78.8 | 20 | .0 | 387.0 | 17054 | -77.4 | 18 | .0 | 389.8 | 17190 | 90 |
| 100 | -80.7 | 20 | .0 | 371.8 | 16578 | -80.6 | 21 | .0 | 372.0 | 16496 | -81.7 | 20 | .0 | 369.9 | 16461 | -80.5 | 18 | .0 | 372.2 | 16590 | 100 |
| 110 | -77.6 | 20 | .0 | 367.6 | 16036 | -79.5 | 22 | .0 | 364.0 | 15958 | -79.2 | 20 | .0 | 364.6 | 15923 | -77.7 | 18 | .0 | 367.4 | 16049 | 110 |
| 120 | -74.9 | 20 | .0 | 363.7 | 15535 | -76.2 | 22 | .0 | 361.2 | 15460 | -76.1 | 20 | .0 | 361.4 | 15426 | -75.2 | 19 | .0 | 363.1 | 15548 | 120 |
| 130 | -72.3 | 20 | .0 | 360.0 | 15067 | -73.2 | 22 | .0 | 358.5 | 14995 | -72.3 | 20 | .0 | 360.0 | 14959 | -72.9 | 19 | .0 | 359.0 | 15081 | 130 |
| 140 | -69.9 | 20 | .0 | 356.6 | 14628 | -71.3 | 22 | .0 | 354.2 | 14559 | -69.6 | 20 | .0 | 357.1 | 14520 | -70.7 | 19 | .0 | 355.3 | 14644 | 140 |
| 150 | -67.7 | 20 | .0 | 353.5 | 14215 | -70.3 | 22 | .0 | 349.0 | 14150 | -68.0 | 20 | .0 | 353.0 | 14107 | -67.3 | 18 | .0 | 354.2 | 14231 | 150 |
| 160 | -64.9 | 20 | .0 | 351.7 | 13825 | -67.0 | 22 | .0 | 348.3 | 13763 | -65.9 | 20 | .0 | 350.2 | 13718 | -64.1 | 18 | .0 | 353.1 | 13839 | 160 |
| 170 | -62.3 | 20 | .0 | 350.1 | 13453 | -63.8 | 22 | .0 | 347.5 | 13394 | -62.9 | 20 | .0 | 349.1 | 13347 | -61.1 | 17 | .0 | 352.0 | 13465 | 170 |
| 180 | -59.6 | 20 | .0 | 348.9 | 13097 | -60.9 | 21 | .0 | 346.7 | 13042 | -60.1 | 19 | .0 | 348.0 | 12993 | -58.3 | 17 | .0 | 350.9 | 13108 | 180 |
| 190 | -56.5 | 20 | .0 | 348.4 | 12757 | -58.1 | 21 | .0 | 345.9 | 12703 | -57.5 | 19 | .0 | 346.9 | 12653 | -55.6 | 17 | .0 | 349.9 | 12766 | 190 |
| 200 | -53.7 | 19 | .0 | 347.9 | 12429 | -55.5 | 21 | .0 | 345.0 | 12378 | -54.9 | 19 | .0 | 345.9 | 12327 | -53.1 | 16 | .0 | 348.8 | 12437 | 200 |
| 225 | -47.1 | 19 | .0 | 346.6 | 11661 | -48.7 | 20 | .0 | 344.1 | 11616 | -48.3 | 19 | .0 | 344.6 | 11564 | -46.7 | 16 | .0 | 347.1 | 11667 | 225 |
| 250 | -41.2 | 18 | .1 | 345.2 | 10954 | -42.4 | 19 | .1 | 343.3 | 10914 | -42.2 | 18 | .1 | 343.7 | 10861 | -40.9 | 17 | .1 | 345.5 | 10959 | 250 |
| 275 | -35.8 | 18 | .1 | 343.8 | 10299 | -37.7 | 20 | .1 | 341.0 | 10262 | -37.2 | 18 | .1 | 341.7 | 10209 | -35.4 | 16 | .1 | 344.5 | 10304 | 275 |
| 300 | -30.9 | 18 | .2 | 342.5 | 9688 | -32.9 | 21 | .2 | 339.7 | 9657 | -32.0 | 18 | .2 | 340.9 | 9601 | -31.0 | 17 | .2 | 342.4 | 9692 | 300 |
| 325 | -26.5 | 17 | .2 | 341.2 | 9115 | -28.3 | 20 | .2 | 338.6 | 9089 | -28.0 | 18 | .2 | 339.0 | 9032 | -26.5 | 16 | .2 | 341.0 | 9119 | 325 |
| 350 | -22.4 | 17 | .3 | 339.8 | 8575 | -23.3 | 16 | .3 | 338.5 | 8552 | -23.1 | 17 | .3 | 338.8 | 8495 | -21.4 | 14 | .3 | 341.1 | 8578 | 350 |
| 375 | -18.6 | 16 | .4 | 338.5 | 8064 | -19.3 | 16 | .4 | 337.4 | 8043 | -19.4 | 16 | .4 | 337.3 | 7985 | -17.7 | 14 | .4 | 339.6 | 8066 | 375 |
| 400 | -15.1 | 16 | .5 | 337.2 | 7580 | -15.8 | 17 | .5 | 336.3 | 7560 | -15.6 | 16 | .5 | 336.5 | 7502 | -14.2 | 14 | .4 | 338.3 | 7580 | 400 |
| 425 | -12.1 | 16 | .6 | 335.6 | 7119 | -14.0 | 18 | .5 | 333.0 | 7101 | -13.0 | 17 | .6 | 334.4 | 7042 | -12.9 | 16 | .5 | 334.4 | 7119 | 425 |
| 450 | -9.2 | 16 | .7 | 334.2 | 6679 | -11.5 | 18 | .6 | 331.1 | 6665 | -10.9 | 18 | .7 | 332.0 | 6605 | -9.8 | 16 | .6 | 333.4 | 6680 | 450 |
| 475 | -6.5 | 16 | .8 | 332.8 | 6259 | -8.4 | 18 | .8 | 330.4 | 6248 | -8.0 | 19 | .8 | 331.1 | 6188 | -6.7 | 16 | .8 | 332.5 | 6261 | 475 |
| 500 | -5.6 | 19 | .9 | 329.6 | 5857 | -7.2 | 23 | 1.0 | 327.8 | 5849 | -6.2 | 20 | .9 | 328.9 | 5787 | -4.0 | 16 | .9 | 331.6 | 5858 | 500 |
| 525 | -3.1 | 18 | 1.0 | 328.4 | 5473 | -5.0 | 25 | 1.3 | 326.8 | 5468 | -4.5 | 21 | 1.1 | 326.8 | 5405 | -2.5 | 22 | 1.3 | 330.1 | 5472 | 525 |
| 550 | -.5 | 17 | 1.1 | 327.4 | 5103 | -2.8 | 27 | 1.5 | 326.1 | 5100 | -2.2 | 21 | 1.2 | 325.8 | 5037 | -.2 | 20 | 1.4 | 328.7 | 5102 | 550 |
| 575 | 1.9 | 15 | 1.2 | 326.4 | 4747 | -.6 | 29 | 1.9 | 325.6 | 4747 | -.1 | 22 | 1.4 | 324.9 | 4683 | 2.0 | 18 | 1.4 | 327.2 | 4745 | 575 |
| 600 | 3.8 | 29 | 2.4 | 328.7 | 4402 | 1.5 | 32 | 2.2 | 325.3 | 4405 | 1.8 | 36 | 2.6 | 326.9 | 4341 | 4.2 | 26 | 2.2 | 328.4 | 4400 | 600 |
| 625 | 5.6 | 26 | 2.4 | 326.8 | 4070 | 3.5 | 33 | 2.6 | 325.0 | 4075 | 4.1 | 29 | 2.3 | 324.9 | 4010 | 6.2 | 28 | 2.7 | 328.4 | 4067 | 625 |
| 650 | 7.3 | 21 | 2.1 | 324.2 | 3748 | 6.0 | 24 | 2.1 | 322.8 | 3756 | 6.2 | 22 | 2.0 | 322.6 | 3690 | 8.3 | 19 | 2.0 | 325.1 | 3744 | 650 |
| 675 | 8.6 | 29 | 3.0 | 325.0 | 3437 | 7.5 | 31 | 2.9 | 323.6 | 3446 | 7.7 | 26 | 2.5 | 322.6 | 3380 | 9.7 | 29 | 3.2 | 326.9 | 3432 | 675 |
| 700 | 9.8 | 39 | 4.3 | 326.9 | 3136 | 8.8 | 40 | 4.0 | 325.1 | 3145 | 9.2 | 34 | 3.5 | 323.8 | 3080 | 11.0 | 38 | 4.5 | 328.9 | 3129 | 700 |
| 725 | 11.3 | 38 | 4.4 | 325.9 | 2843 | 10.4 | 44 | 4.8 | 325.9 | 2854 | 11.1 | 36 | 4.1 | 324.7 | 2788 | 12.3 | 45 | 5.5 | 330.3 | 2836 | 725 |
| 750 | 13.1 | 25 | 3.1 | 320.9 | 2559 | 12.5 | 38 | 4.6 | 324.7 | 2571 | 13.1 | 35 | 4.4 | 324.7 | 2504 | 14.0 | 33 | 4.4 | 325.6 | 2551 | 750 |
| 775 | 15.5 | 23 | 3.2 | 320.8 | 2283 | 14.6 | 33 | 4.4 | 323.2 | 2295 | 15.0 | 31 | 4.3 | 323.7 | 2227 | 15.9 | 28 | 4.0 | 323.7 | 2273 | 775 |
| 800 | 17.8 | 21 | 3.3 | 320.6 | 2013 | 16.6 | 27 | 4.0 | 321.4 | 2026 | 16.9 | 28 | 4.2 | 322.5 | 1958 | 17.7 | 27 | 4.3 | 323.7 | 2003 | 800 |
| 825 | 18.9 | 22 | 3.6 | 320.1 | 1749 | 18.5 | 30 | 4.9 | 323.3 | 1763 | 18.1 | 30 | 4.7 | 322.3 | 1695 | 18.7 | 33 | 5.4 | 325.0 | 1740 | 825 |
| 850 | 14.8 | 99 | 12.4 | 337.2 | 1497 | 18.0 | 48 | 7.3 | 326.8 | 1507 | 14.5 | 74 | 9.0 | 327.5 | 1441 | 18.1 | 48 | 7.4 | 327.5 | 1484 | 850 |
| 875 | 16.7 | 97 | 13.4 | 339.3 | 1250 | 16.4 | 62 | 8.4 | 325.3 | 1260 | 16.3 | 70 | 9.4 | 328.0 | 1195 | 19.1 | 57 | 9.0 | 330.3 | 1235 | 875 |
| 900 | 18.5 | 95 | 14.3 | 341.5 | 1008 | 17.7 | 67 | 9.5 | 327.2 | 1019 | 18.1 | 67 | 9.8 | 328.5 | 954 | 20.4 | 60 | 10.2 | 332.3 | 992 | 900 |
| 925 | 20.3 | 93 | 15.4 | 343.7 | 771 | 18.9 | 72 | 10.7 | 329.2 | 784 | 19.4 | 70 | 10.8 | 330.2 | 718 | 21.5 | 61 | 10.7 | 332.4 | 754 | 925 |
| 950 | 22.1 | 92 | 16.4 | 346.0 | 539 | 20.1 | 76 | 11.9 | 331.4 | 554 | 20.4 | 76 | 12.3 | 332.7 | 488 | 22.5 | 68 | 12.3 | 335.4 | 522 | 950 |
| 975 | 23.8 | 90 | 17.4 | 348.3 | 311 | 24.2 | 75 | 14.8 | 341.8 | 327 | 22.3 | 73 | 12.8 | 333.9 | 262 | 24.0 | 69 | 13.5 | 337.8 | 295 | 975 |
| 1000 | 25.4 | 89 | 18.5 | 350.7 | 88 | 28.2 | 74 | 18.2 | 353.6 | 103 | 24.2 | 69 | 13.2 | 334.9 | 41 | 27.1 | 77 | 17.8 | 351.2 | 72 | 1000 |
| SFC. | 26.1 | 88 | 18.9 | 351.6 | 0 | 30.0 | 74 | 19.9 | 359.6 | 0 | 30.0 | 73 | 19.8 | 360.0 | 0 | 29.0 | 88 | 22.5 | 365.9 | 0 | SFC. |
| | SURFACE PRESSURE 1010.0 | | | | | SURFACE PRESSURE 1011.6 | | | | | SURFACE PRESSURE 1004.6 | | | | | SURFACE PRESSURE 1008.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/14 512 GMT T | RH | W | EPT | H | 4/14 1211 GMT T | RH | W | EPT | H | 4/14 1530 GMT T | RH | W | EPT | H | 4/14 18 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.0 | 25 | .0 | 467.8 | 19376 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 0 | 0.0 | 465.9 | 19526 | -63.5 | 0 | 0.0 | 468.8 | 19549 | 60 |
| 70 | -73.6 | 24 | .0 | 427.1 | 18453 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.5 | 20 | .0 | 427.2 | 18595 | -72.1 | 0 | 0.0 | 430.1 | 18619 | 70 |
| 80 | -76.7 | 24 | .0 | 404.5 | 17680 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.6 | 20 | .0 | 400.7 | 17827 | -74.7 | 15 | .0 | 408.6 | 17841 | 80 |
| 90 | -78.8 | 25 | .0 | 387.0 | 17010 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.6 | 20 | .0 | 387.4 | 17153 | -78.0 | 16 | .0 | 388.7 | 17161 | 90 |
| 100 | -83.6 | 25 | .0 | 366.2 | 16415 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.5 | 20 | .0 | 372.2 | 16560 | -81.7 | 16 | .0 | 369.9 | 16569 | 100 |
| 110 | -81.1 | 25 | .0 | 361.0 | 15882 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.3 | 20 | .0 | 364.5 | 16021 | -79.4 | 16 | .0 | 364.2 | 16031 | 110 |
| 120 | -78.9 | 25 | .0 | 356.3 | 15390 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.1 | 20 | .0 | 359.6 | 15525 | -77.4 | 16 | .0 | 359.1 | 15535 | 120 |
| 130 | -76.8 | 25 | .0 | 352.0 | 14932 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.5 | 20 | .0 | 358.0 | 15061 | -74.6 | 16 | .0 | 355.9 | 15073 | 130 |
| 140 | -74.0 | 25 | .0 | 349.5 | 14503 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.1 | 20 | .0 | 356.3 | 14624 | -71.1 | 16 | .0 | 354.6 | 14639 | 140 |
| 150 | -70.6 | 24 | .0 | 348.6 | 14098 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.9 | 20 | .0 | 354.8 | 14210 | -67.9 | 16 | .0 | 353.2 | 14227 | 150 |
| 160 | -67.4 | 24 | .0 | 347.6 | 13712 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.8 | 20 | .0 | 353.6 | 13818 | -64.9 | 16 | .0 | 351.8 | 13836 | 160 |
| 170 | -64.4 | 24 | .0 | 346.6 | 13344 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.9 | 20 | .0 | 352.4 | 13443 | -62.1 | 15 | .0 | 350.5 | 13464 | 170 |
| 180 | -61.5 | 24 | .0 | 345.7 | 12992 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.1 | 19 | .0 | 351.2 | 13086 | -59.4 | 15 | .0 | 349.1 | 13109 | 180 |
| 190 | -58.8 | 23 | .0 | 344.7 | 12655 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.5 | 19 | .0 | 350.0 | 12743 | -56.9 | 15 | .0 | 347.9 | 12768 | 190 |
| 200 | -56.3 | 23 | .0 | 343.7 | 12331 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.1 | 19 | .0 | 348.9 | 12414 | -54.5 | 15 | .0 | 346.6 | 12441 | 200 |
| 225 | -49.6 | 22 | .0 | 342.7 | 11571 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.0 | 19 | .0 | 346.6 | 11645 | -47.9 | 14 | .0 | 345.3 | 11677 | 225 |
| 250 | -43.5 | 21 | .1 | 341.7 | 10872 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.2 | 18 | .1 | 345.1 | 10939 | -41.3 | 14 | .1 | 345.0 | 10971 | 250 |
| 275 | -38.0 | 20 | .1 | 340.7 | 10223 | -35.8 | M | M | M | 10287 | -35.9 | 18 | .1 | 343.6 | 10284 | -35.4 | 13 | .1 | 344.3 | 10316 | 275 |
| 300 | -32.9 | 20 | .2 | 339.6 | 9617 | -31.1 | 13 | .1 | 342.1 | 9676 | -31.1 | 17 | .2 | 342.2 | 9673 | -30.6 | 13 | .1 | 342.9 | 9704 | 300 |
| 325 | -28.3 | 19 | .2 | 338.6 | 9049 | -26.7 | 13 | .2 | 340.6 | 9103 | -26.7 | 16 | .2 | 340.8 | 9101 | -26.1 | 13 | .2 | 341.4 | 9130 | 325 |
| 350 | -24.0 | 18 | .3 | 337.5 | 8513 | -22.7 | 13 | .2 | 339.1 | 8564 | -22.6 | 16 | .3 | 339.5 | 8561 | -22.0 | 12 | .2 | 340.0 | 8589 | 350 |
| 375 | -20.0 | 18 | .4 | 336.5 | 8005 | -18.6 | 13 | .3 | 338.1 | 8054 | -18.7 | 15 | .4 | 338.2 | 8051 | -18.2 | 12 | .3 | 338.7 | 8078 | 375 |
| 400 | -16.3 | 17 | .5 | 335.6 | 7523 | -14.8 | 12 | .4 | 337.2 | 7569 | -15.2 | 15 | .4 | 337.0 | 7567 | -14.6 | 12 | .4 | 337.5 | 7592 | 400 |
| 425 | -14.0 | 20 | .6 | 333.3 | 7065 | -12.5 | 13 | .5 | 334.7 | 7108 | -12.8 | 16 | .5 | 334.6 | 7106 | -12.1 | 12 | .4 | 335.2 | 7131 | 425 |
| 450 | -11.8 | 23 | .8 | 331.3 | 6629 | -10.7 | 14 | .5 | 331.8 | 6670 | -10.5 | 16 | .6 | 332.3 | 6668 | -9.6 | 12 | .5 | 333.0 | 6692 | 450 |
| 475 | -9.8 | 26 | 1.0 | 329.4 | 6213 | -7.6 | 13 | .6 | 330.8 | 6252 | -7.8 | 15 | .7 | 330.9 | 6250 | -7.4 | 13 | .6 | 331.0 | 6273 | 475 |
| 500 | -7.8 | 28 | 1.2 | 327.8 | 5816 | -4.8 | 13 | .7 | 329.8 | 5851 | -5.1 | 14 | .7 | 329.5 | 5849 | -5.2 | 13 | .7 | 329.2 | 5872 | 500 |
| 525 | -5.7 | 31 | 1.5 | 326.6 | 5435 | -4.4 | 20 | 1.0 | 326.9 | 5467 | -3.8 | 29 | 1.6 | 329.4 | 5465 | -4.5 | 17 | .9 | 326.2 | 5488 | 525 |
| 550 | -3.5 | 33 | 1.8 | 326.1 | 5069 | -2.0 | 29 | 1.8 | 327.8 | 5098 | -2.1 | 29 | 1.7 | 327.4 | 5097 | -1.6 | 18 | 1.1 | 326.1 | 5119 | 550 |
| 575 | -1.3 | 36 | 2.2 | 325.8 | 4716 | -.5 | 41 | 2.6 | 328.1 | 4744 | -.3 | 22 | 1.4 | 324.6 | 4742 | 1.3 | 19 | 1.4 | 326.4 | 4764 | 575 |
| 600 | .1 | 53 | 3.4 | 327.3 | 4376 | 1.0 | 42 | 2.9 | 326.7 | 4403 | 1.5 | 47 | 3.3 | 328.7 | 4401 | 2.3 | 30 | 2.2 | 326.3 | 4420 | 600 |
| 625 | 2.0 | 33 | 2.3 | 322.4 | 4047 | 3.5 | 27 | 2.1 | 323.6 | 4073 | 4.3 | 23 | 1.9 | 323.8 | 4070 | 4.6 | 24 | 2.1 | 324.7 | 4090 | 625 |
| 650 | 4.2 | 38 | 3.0 | 323.5 | 3730 | 5.5 | 37 | 3.2 | 325.7 | 3753 | 5.2 | 25 | 2.1 | 321.9 | 3750 | 5.7 | 19 | 1.7 | 321.0 | 3769 | 650 |
| 675 | 6.4 | 42 | 3.8 | 324.7 | 3421 | 7.3 | 47 | 4.5 | 328.0 | 3444 | 7.4 | 32 | 3.0 | 323.7 | 3441 | 7.6 | 24 | 2.3 | 321.7 | 3460 | 675 |
| 700 | 8.4 | 47 | 4.6 | 326.3 | 3121 | 9.5 | 39 | 4.1 | 326.1 | 3143 | 9.5 | 38 | 4.0 | 325.8 | 3140 | 9.8 | 29 | 3.1 | 323.5 | 3159 | 700 |
| 725 | 10.4 | 51 | 5.5 | 328.1 | 2830 | 11.8 | 46 | 5.5 | 329.6 | 2851 | 11.6 | 44 | 5.2 | 328.4 | 2848 | 11.9 | 34 | 4.1 | 325.5 | 2866 | 725 |
| 750 | 12.3 | 50 | 5.9 | 328.2 | 2547 | 14.1 | 42 | 5.7 | 329.5 | 2566 | 13.6 | 43 | 5.6 | 328.9 | 2563 | 13.9 | 36 | 4.7 | 326.4 | 2582 | 750 |
| 775 | 14.1 | 42 | 5.4 | 325.7 | 2271 | 16.0 | 37 | 5.5 | 328.1 | 2288 | 15.6 | 36 | 5.1 | 326.7 | 2286 | 15.7 | 25 | 3.7 | 322.4 | 2305 | 775 |
| 800 | 15.8 | 34 | 4.8 | 323.0 | 2002 | 17.8 | 33 | 5.2 | 326.5 | 2017 | 17.6 | 28 | 4.5 | 324.1 | 2016 | 17.4 | 24 | 3.7 | 321.5 | 2035 | 800 |
| 825 | 16.9 | 40 | 5.8 | 324.2 | 1740 | 18.1 | 41 | 6.5 | 327.5 | 1754 | 18.0 | 40 | 6.2 | 326.7 | 1753 | 18.8 | 29 | 4.8 | 323.6 | 1771 | 825 |
| 850 | 17.1 | 53 | 7.7 | 326.9 | 1485 | 16.6 | 81 | 11.3 | 336.5 | 1499 | 15.2 | 98 | 12.6 | 338.3 | 1498 | 17.3 | 63 | 9.3 | 331.8 | 1515 | 850 |
| 875 | 15.4 | 80 | 10.2 | 329.0 | 1239 | 17.1 | 93 | 13.1 | 339.1 | 1251 | 17.1 | 90 | 12.7 | 338.0 | 1250 | 16.5 | 82 | 11.2 | 333.0 | 1268 | 875 |
| 900 | 16.9 | 87 | 11.8 | 332.4 | 998 | 18.3 | 94 | 13.9 | 340.1 | 1009 | 18.9 | 83 | 12.7 | 337.3 | 1008 | 18.3 | 79 | 11.7 | 334.0 | 1027 | 900 |
| 925 | 19.3 | 85 | 13.0 | 336.1 | 763 | 19.9 | 94 | 14.9 | 342.0 | 772 | 20.5 | 78 | 12.9 | 337.4 | 772 | 20.3 | 75 | 12.2 | 335.0 | 790 | 925 |
| 950 | 21.7 | 83 | 14.3 | 339.9 | 532 | 21.5 | 93 | 16.0 | 344.2 | 541 | 21.9 | 82 | 14.5 | 340.5 | 540 | 22.2 | 72 | 12.8 | 336.5 | 559 | 950 |
| 975 | 24.0 | 81 | 15.7 | 343.9 | 305 | 23.0 | 93 | 17.1 | 346.5 | 314 | 23.2 | 86 | 16.1 | 343.9 | 313 | 24.3 | 76 | 15.1 | 342.7 | 331 | 975 |
| 1000 | 26.2 | 79 | 17.1 | 347.9 | 81 | 24.6 | 92 | 18.2 | 348.9 | 91 | 24.5 | 90 | 17.8 | 347.5 | 90 | 26.3 | 81 | 17.6 | 349.5 | 108 | 1000 |
| SFC. | 27.0 | 78 | 17.6 | 349.5 | 0 | 25.2 | 92 | 18.7 | 349.9 | 0 | 25.0 | 92 | 18.5 | 349.0 | 0 | 27.2 | 83 | 19.0 | 353.1 | 0 | SFC. |
| | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1010.4 | | | | | SURFACE PRESSURE 1010.3 | | | | | SURFACE PRESSURE 1012.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/14 2350 GMT T | RH | W | EPT | H | 4/15 6 6 GMT T | RH | W | EPT | H | 4/15 1155 GMT T | RH | W | EPT | H | 4/15 17 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -58.9 | 0 | 0.0 | 479.1 | 19606 | -61.8 | 0 | 0.0 | 472.6 | 19509 | -61.9 | 0 | 0.0 | 472.3 | 19474 | -64.3 | 0 | 0.0 | 467.0 | 19540 | 60 |
| 70 | -69.0 | 0 | 0.0 | 436.9 | 18662 | -70.0 | 20 | .0 | 434.7 | 18578 | -68.3 | 0 | 0.0 | 438.3 | 18528 | -63.5 | 0 | 0.0 | 448.5 | 18589 | 70 |
| 80 | -73.2 | 23 | .0 | 411.7 | 17874 | -79.7 | 20 | .0 | 398.3 | 17806 | -76.9 | 0 | 0.0 | 404.3 | 17746 | -75.3 | 17 | .0 | 407.4 | 17789 | 80 |
| 90 | -75.2 | 23 | .0 | 394.1 | 17188 | -79.1 | 20 | .0 | 386.4 | 17139 | -78.7 | 0 | 0.0 | 387.2 | 17075 | -77.9 | 17 | .0 | 388.9 | 17116 | 90 |
| 100 | -80.0 | 23 | .0 | 373.2 | 16586 | -79.8 | 20 | .0 | 373.6 | 16542 | -80.0 | 0 | 0.0 | 373.2 | 16474 | -78.0 | 17 | .0 | 377.1 | 16512 | 100 |
| 110 | -80.0 | 23 | .0 | 363.2 | 16048 | -79.2 | 20 | .0 | 364.7 | 16001 | -81.4 | 0 | 0.0 | 360.4 | 15937 | -80.4 | 18 | .0 | 362.4 | 15970 | 110 |
| 120 | -77.3 | 24 | .0 | 359.3 | 15552 | -77.6 | 20 | .0 | 358.6 | 15506 | -79.1 | 0 | 0.0 | 355.9 | 15446 | -77.6 | 17 | .0 | 358.6 | 15475 | 120 |
| 130 | -73.9 | 24 | .0 | 357.2 | 15089 | -74.0 | 20 | .0 | 357.0 | 15043 | -75.8 | 0 | 0.0 | 353.7 | 14988 | -74.6 | 17 | .0 | 356.0 | 15014 | 130 |
| 140 | -70.6 | 23 | .0 | 355.4 | 14653 | -70.6 | 19 | .0 | 355.5 | 14607 | -72.7 | 0 | 0.0 | 351.7 | 14556 | -71.4 | 17 | .0 | 354.1 | 14579 | 140 |
| 150 | -67.6 | 23 | .0 | 353.7 | 14241 | -67.4 | 19 | .0 | 354.0 | 14195 | -69.9 | 0 | 0.0 | 349.7 | 14148 | -68.4 | 17 | .0 | 352.3 | 14169 | 150 |
| 160 | -64.4 | 23 | .0 | 352.6 | 13850 | -64.5 | 19 | .0 | 352.5 | 13803 | -66.6 | 0 | 0.0 | 348.8 | 13761 | -65.6 | 17 | .0 | 350.6 | 13779 | 160 |
| 170 | -61.4 | 22 | .0 | 351.6 | 13476 | -61.9 | 19 | .0 | 350.8 | 13430 | -63.5 | 0 | 0.0 | 348.0 | 13391 | -62.7 | 17 | .0 | 349.3 | 13408 | 170 |
| 180 | -58.5 | 22 | .0 | 350.6 | 13119 | -59.5 | 19 | .0 | 349.1 | 13075 | -60.6 | 0 | 0.0 | 347.1 | 13038 | -59.8 | 17 | .0 | 348.5 | 13054 | 180 |
| 190 | -55.8 | 22 | .0 | 349.6 | 12777 | -57.2 | 19 | .0 | 347.4 | 12734 | -57.8 | 0 | 0.0 | 346.2 | 12699 | -57.0 | 16 | .0 | 347.7 | 12713 | 190 |
| 200 | -53.2 | 21 | .0 | 348.6 | 12449 | -54.8 | 19 | .0 | 346.1 | 12408 | -55.2 | 0 | 0.0 | 345.4 | 12374 | -54.3 | 16 | .0 | 346.9 | 12387 | 200 |
| 225 | -47.0 | 21 | .1 | 346.7 | 11680 | -47.9 | 18 | .0 | 345.3 | 11643 | -49.1 | 0 | 0.0 | 343.3 | 11612 | -47.8 | 16 | .0 | 345.4 | 11621 | 225 |
| 250 | -41.1 | 20 | .1 | 345.4 | 10973 | -41.7 | 17 | .1 | 344.3 | 10939 | -42.7 | 0 | 0.0 | 342.6 | 10911 | -41.8 | 15 | .1 | 344.2 | 10916 | 250 |
| 275 | -35.5 | 20 | .1 | 344.4 | 10317 | -36.2 | 16 | .1 | 343.3 | 10285 | -36.7 | M | M | M | 10259 | -36.4 | 15 | .1 | 342.9 | 10263 | 275 |
| 300 | -30.4 | 20 | .2 | 343.4 | 9705 | -31.1 | 15 | .1 | 342.2 | 9675 | -32.6 | M | M | M | 9650 | -31.4 | 14 | .1 | 341.7 | 9653 | 300 |
| 325 | -25.8 | 20 | .3 | 342.3 | 9131 | -26.8 | 15 | .2 | 340.5 | 9102 | -27.6 | M | M | M | 9081 | -27.8 | 13 | .2 | 339.0 | 9083 | 325 |
| 350 | -21.8 | 20 | .4 | 340.8 | 8589 | -23.0 | 14 | .2 | 338.8 | 8563 | -24.3 | M | M | M | 8544 | -24.3 | 14 | .2 | 336.9 | 8546 | 350 |
| 375 | -18.1 | 19 | .5 | 339.4 | 8078 | -19.4 | 14 | .3 | 337.1 | 8054 | -20.8 | M | M | M | 8038 | -20.5 | 14 | .3 | 335.6 | 8040 | 375 |
| 400 | -14.7 | 19 | .6 | 338.1 | 7592 | -16.1 | 14 | .4 | 335.6 | 7571 | -17.6 | M | M | M | 7558 | -17.2 | 13 | .3 | 333.9 | 7559 | 400 |
| 425 | -11.7 | 19 | .7 | 336.6 | 7131 | -13.4 | 14 | .5 | 333.6 | 7113 | -14.2 | M | M | M | 7101 | -14.3 | 14 | .4 | 332.2 | 7102 | 425 |
| 450 | -9.0 | 19 | .8 | 335.0 | 6690 | -10.8 | 15 | .6 | 331.7 | 6675 | -11.7 | M | M | M | 6666 | -11.6 | 14 | .5 | 330.5 | 6666 | 450 |
| 475 | -7.0 | 20 | 1.0 | 332.8 | 6270 | -8.4 | 15 | .7 | 330.0 | 6258 | -8.9 | M | M | M | 6249 | -9.0 | 15 | .6 | 329.0 | 6250 | 475 |
| 500 | -5.1 | 22 | 1.1 | 330.8 | 5869 | -6.1 | 16 | .8 | 328.4 | 5858 | -6.3 | M | M | M | 5851 | -6.6 | 15 | .7 | 327.6 | 5851 | 500 |
| 525 | -3.7 | 33 | 1.8 | 330.3 | 5485 | -4.2 | 17 | .9 | 326.5 | 5475 | -3.8 | M | M | M | 5467 | -4.2 | 16 | .8 | 326.3 | 5468 | 525 |
| 550 | -1.1 | 32 | 2.1 | 329.9 | 5115 | -3.1 | 43 | 2.4 | 328.3 | 5108 | -3.0 | 25 | 1.4 | 325.3 | 5099 | -3.6 | 35 | 1.9 | 326.1 | 5101 | 550 |
| 575 | 1.8 | 28 | 2.1 | 329.2 | 4759 | .6 | 18 | 1.2 | 325.0 | 4754 | .2 | 14 | 1.0 | 323.6 | 4745 | -.7 | 27 | 1.7 | 325.0 | 4747 | 575 |
| 600 | 3.4 | 29 | 2.4 | 328.0 | 4415 | 2.3 | 20 | 1.5 | 324.0 | 4411 | 1.8 | 14 | 1.0 | 321.6 | 4403 | 2.1 | 20 | 1.5 | 323.6 | 4406 | 600 |
| 625 | 4.8 | 32 | 2.7 | 326.9 | 4083 | 3.6 | 32 | 2.5 | 324.8 | 4081 | 3.6 | 13 | 1.0 | 320.1 | 4073 | 3.3 | 29 | 2.2 | 323.6 | 4076 | 625 |
| 650 | 6.8 | 30 | 2.8 | 326.0 | 3762 | 5.6 | 29 | 2.6 | 323.7 | 3761 | 5.7 | 10 | .9 | 318.5 | 3754 | 5.9 | 24 | 2.1 | 322.8 | 3757 | 650 |
| 675 | 8.8 | 28 | 2.9 | 325.0 | 3451 | 7.6 | 27 | 2.6 | 322.7 | 3452 | 6.5 | 33 | 3.0 | 322.5 | 3445 | 6.2 | 38 | 3.3 | 323.3 | 3447 | 675 |
| 700 | 10.8 | 30 | 3.5 | 325.7 | 3149 | 9.5 | 25 | 2.6 | 321.6 | 3151 | 9.0 | 25 | 2.6 | 320.9 | 3146 | 7.9 | 43 | 4.0 | 323.9 | 3149 | 700 |
| 725 | 12.7 | 35 | 4.5 | 327.6 | 2855 | 11.2 | 26 | 3.0 | 321.4 | 2859 | 11.9 | 13 | 1.6 | 317.9 | 2854 | 10.8 | 38 | 4.2 | 324.6 | 2858 | 725 |
| 750 | 14.6 | 38 | 5.3 | 329.0 | 2570 | 12.6 | 42 | 5.2 | 326.5 | 2576 | 13.5 | 17 | 2.1 | 318.3 | 2570 | 12.9 | 36 | 4.4 | 324.5 | 2574 | 750 |
| 775 | 16.4 | 35 | 5.2 | 328.0 | 2292 | 14.5 | 41 | 5.4 | 326.2 | 2299 | 13.9 | 19 | 2.4 | 316.5 | 2293 | 14.0 | 37 | 4.8 | 323.7 | 2298 | 775 |
| 800 | 18.0 | 38 | 6.2 | 329.6 | 2021 | 16.1 | 47 | 6.7 | 328.7 | 2030 | 11.3 | 32 | 3.3 | 313.4 | 2028 | 15.0 | 45 | 6.0 | 325.3 | 2030 | 800 |
| 825 | 18.5 | 43 | 7.0 | 329.5 | 1757 | 17.4 | 57 | 8.6 | 332.8 | 1768 | 13.9 | 79 | 9.7 | 331.6 | 1770 | 15.8 | 78 | 10.7 | 336.6 | 1768 | 825 |
| 850 | 18.6 | 47 | 7.4 | 328.0 | 1501 | 18.1 | 56 | 8.6 | 330.7 | 1512 | 16.4 | 92 | 12.8 | 340.4 | 1516 | 16.9 | 62 | 8.9 | 330.2 | 1514 | 850 |
| 875 | 17.9 | 68 | 10.0 | 331.7 | 1252 | 17.2 | 92 | 13.1 | 339.4 | 1264 | 18.0 | 91 | 13.7 | 341.8 | 1267 | 17.7 | 71 | 10.4 | 332.6 | 1266 | 875 |
| 900 | 19.8 | 66 | 10.7 | 333.0 | 1010 | 18.9 | 92 | 14.2 | 341.6 | 1021 | 19.5 | 91 | 14.6 | 343.3 | 1025 | 18.7 | 79 | 11.9 | 335.1 | 1024 | 900 |
| 925 | 21.7 | 64 | 11.3 | 334.3 | 772 | 20.6 | 92 | 15.3 | 343.9 | 784 | 21.0 | 90 | 15.5 | 344.9 | 787 | 20.2 | 82 | 13.3 | 338.0 | 787 | 925 |
| 950 | 23.5 | 63 | 12.2 | 336.2 | 540 | 22.2 | 91 | 16.4 | 346.4 | 552 | 22.4 | 90 | 16.4 | 346.5 | 554 | 21.6 | 85 | 14.8 | 341.1 | 555 | 950 |
| 975 | 24.9 | 68 | 13.9 | 340.1 | 312 | 23.8 | 91 | 17.6 | 348.9 | 324 | 23.8 | 90 | 17.3 | 348.1 | 327 | 23.1 | 88 | 16.3 | 344.4 | 329 | 975 |
| 1000 | 26.3 | 72 | 15.7 | 344.3 | 88 | 25.3 | 91 | 18.8 | 351.5 | 101 | 25.2 | 89 | 18.3 | 349.8 | 104 | 24.4 | 92 | 17.9 | 347.9 | 106 | 1000 |
| SFC. | 27.8 | 75 | 17.7 | 350.8 | 0 | 26.0 | 91 | 19.4 | 352.7 | 0 | 25.8 | 89 | 18.7 | 350.6 | 0 | 25.1 | 93 | 18.8 | 349.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1010.0 | | SURFACE PRESSURE | | | 1011.5 | | SURFACE PRESSURE | | | 1011.8 | | SURFACE PRESSURE | | | 1012.1 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/15 1935 GMT T | RH | W | EPT | H | 4/15 23 8 GMT T | RH | W | EPT | H | 4/16 2 3 GMT T | RH | W | EPT | H | 4/16 5 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -61.8 | 0 | 0.0 | 472.6 | 19635 | -63.2 | 0 | 0.0 | 469.4 | 19623 | -62.1 | 0 | 0.0 | 471.9 | 19566 | -65.1 | 0 | 0.0 | 465.2 | 19507 | 60 |
| 70 | -63.6 | 0 | 0.0 | 448.3 | 18681 | -67.1 | 0 | 0.0 | 441.0 | 18677 | -63.7 | 0 | 0.0 | 448.2 | 18613 | -65.3 | 0 | 0.0 | 444.7 | 18568 | 70 |
| 80 | -75.8 | 20 | .0 | 406.5 | 17885 | -77.6 | 16 | .0 | 402.8 | 17894 | -78.2 | 0 | 0.0 | 401.4 | 17822 | -75.7 | 25 | .0 | 406.6 | 17773 | 80 |
| 90 | -76.2 | 20 | .0 | 392.2 | 17208 | -75.9 | 17 | .0 | 392.7 | 17217 | -77.6 | 23 | .0 | 389.5 | 17151 | -79.0 | 25 | .0 | 386.6 | 17103 | 90 |
| 100 | -76.0 | 20 | .0 | 380.9 | 16599 | -74.5 | 18 | .0 | 383.8 | 16606 | -76.8 | 22 | .0 | 379.4 | 16546 | -77.5 | 25 | .0 | 378.0 | 16501 | 100 |
| 110 | -78.0 | 20 | .0 | 367.0 | 16051 | -77.8 | 18 | .0 | 367.2 | 16056 | -79.4 | 22 | .0 | 364.3 | 16001 | -79.7 | 25 | .0 | 363.7 | 15961 | 110 |
| 120 | -76.4 | 20 | .0 | 360.8 | 15553 | -77.2 | 18 | .0 | 359.3 | 15560 | -76.6 | 23 | .0 | 360.4 | 15504 | -77.9 | 25 | .0 | 358.1 | 15466 | 120 |
| 130 | -73.6 | 20 | .0 | 357.7 | 15089 | -74.3 | 17 | .0 | 356.5 | 15097 | -73.9 | 23 | .0 | 357.1 | 15040 | -76.2 | 25 | .0 | 353.0 | 15006 | 130 |
| 140 | -70.8 | 20 | .0 | 355.2 | 14653 | -70.9 | 17 | .0 | 354.9 | 14662 | -70.8 | 23 | .0 | 355.2 | 14605 | -72.9 | 25 | .0 | 351.3 | 14575 | 140 |
| 150 | -67.8 | 20 | .0 | 353.3 | 14241 | -67.7 | 17 | .0 | 353.5 | 14250 | -67.8 | 22 | .0 | 353.3 | 14193 | -69.5 | 24 | .0 | 350.4 | 14167 | 150 |
| 160 | -65.1 | 20 | .0 | 351.4 | 13850 | -64.6 | 17 | .0 | 352.2 | 13859 | -65.0 | 22 | .0 | 351.5 | 13802 | -66.3 | 24 | .0 | 349.5 | 13779 | 160 |
| 170 | -62.2 | 20 | .0 | 350.2 | 13478 | -61.7 | 17 | .0 | 351.1 | 13486 | -62.5 | 22 | .0 | 349.8 | 13430 | -63.2 | 23 | .0 | 348.5 | 13409 | 170 |
| 180 | -59.2 | 20 | .0 | 349.5 | 13123 | -58.8 | 17 | .0 | 350.2 | 13130 | -59.5 | 22 | .0 | 349.0 | 13075 | -60.3 | 23 | .0 | 347.6 | 13055 | 180 |
| 190 | -56.3 | 20 | .0 | 348.8 | 12782 | -56.0 | 17 | .0 | 349.3 | 12788 | -56.7 | 21 | .0 | 348.2 | 12735 | -57.6 | 23 | .0 | 346.6 | 12716 | 190 |
| 200 | -53.5 | 19 | .0 | 348.1 | 12454 | -53.4 | 17 | .0 | 348.3 | 12460 | -54.0 | 21 | .0 | 347.4 | 12407 | -55.1 | 22 | .0 | 345.7 | 12391 | 200 |
| 225 | -47.2 | 19 | .0 | 346.3 | 11685 | -46.9 | 16 | .0 | 346.8 | 11691 | -47.6 | 20 | .0 | 345.7 | 11641 | -48.4 | 21 | .0 | 344.6 | 11627 | 225 |
| 250 | -41.2 | 18 | .1 | 345.1 | 10979 | -40.8 | 16 | .1 | 345.7 | 10983 | -41.6 | 19 | .1 | 344.6 | 10935 | -42.1 | 19 | .1 | 343.8 | 10924 | 250 |
| 275 | -35.8 | 17 | .1 | 343.9 | 10324 | -35.3 | 15 | .1 | 344.6 | 10327 | -36.1 | 18 | .1 | 343.4 | 10281 | -36.4 | 17 | .1 | 343.0 | 10271 | 275 |
| 300 | -30.8 | 16 | .2 | 342.7 | 9713 | -30.2 | 14 | .1 | 343.4 | 9714 | -31.1 | 17 | .2 | 342.2 | 9671 | -31.5 | 16 | .1 | 341.5 | 9662 | 300 |
| 325 | -26.2 | 15 | .2 | 341.4 | 9139 | -25.6 | 14 | .2 | 342.2 | 9139 | -26.6 | 17 | .2 | 341.0 | 9098 | -27.2 | 15 | .2 | 340.0 | 9090 | 325 |
| 350 | -23.1 | 16 | .3 | 338.7 | 8599 | -21.3 | 13 | .3 | 341.1 | 8597 | -22.3 | 16 | .3 | 339.9 | 8559 | -23.2 | 15 | .3 | 338.5 | 8552 | 350 |
| 375 | -19.5 | 16 | .4 | 337.1 | 8091 | -19.1 | 15 | .3 | 337.7 | 8087 | -20.1 | 28 | .6 | 337.2 | 8049 | -20.6 | 41 | .8 | 337.4 | 8044 | 375 |
| 400 | -16.0 | 16 | .4 | 335.9 | 7608 | -15.1 | 16 | .5 | 337.2 | 7603 | -15.7 | 19 | .5 | 336.6 | 7567 | -17.1 | 17 | .4 | 334.4 | 7563 | 400 |
| 425 | -12.8 | 15 | .5 | 334.4 | 7148 | -12.6 | 13 | .5 | 334.6 | 7142 | -13.7 | 18 | .6 | 333.5 | 7108 | -14.3 | 17 | .5 | 332.5 | 7106 | 425 |
| 450 | -10.8 | 16 | .6 | 331.9 | 6711 | -10.8 | 13 | .5 | 331.5 | 6704 | -11.9 | 17 | .6 | 330.5 | 6672 | -11.7 | 17 | .6 | 330.8 | 6671 | 450 |
| 475 | -8.0 | 16 | .7 | 330.7 | 6293 | -8.0 | 13 | .6 | 330.2 | 6287 | -8.9 | 17 | .7 | 329.5 | 6256 | -9.3 | 18 | .7 | 329.1 | 6254 | 475 |
| 500 | -4.7 | 15 | .8 | 330.2 | 5892 | -5.2 | 13 | .7 | 329.2 | 5886 | -6.1 | 17 | .8 | 328.6 | 5857 | -6.9 | 18 | .8 | 327.6 | 5856 | 500 |
| 525 | -2.8 | 16 | 1.0 | 328.5 | 5507 | -2.5 | 13 | .8 | 328.3 | 5501 | -3.4 | 17 | 1.0 | 327.7 | 5473 | -4.7 | 20 | 1.0 | 326.5 | 5474 | 525 |
| 550 | -1.9 | 23 | 1.4 | 326.7 | 5138 | -1.2 | 16 | 1.0 | 326.4 | 5131 | -1.8 | 26 | 1.6 | 327.6 | 5104 | -2.6 | 29 | 1.6 | 326.7 | 5106 | 550 |
| 575 | .6 | 22 | 1.5 | 326.0 | 4783 | .6 | 18 | 1.2 | 325.0 | 4776 | .3 | 25 | 1.7 | 326.2 | 4749 | -.5 | 34 | 2.2 | 326.6 | 4752 | 575 |
| 600 | 3.5 | 18 | 1.5 | 325.4 | 4440 | 2.9 | 17 | 1.3 | 324.2 | 4433 | 2.4 | 21 | 1.6 | 324.3 | 4407 | 1.5 | 33 | 2.3 | 325.7 | 4411 | 600 |
| 625 | 4.5 | 20 | 1.7 | 323.3 | 4108 | 5.1 | 17 | 1.5 | 323.4 | 4101 | 4.4 | 27 | 2.3 | 325.1 | 4076 | 3.5 | 32 | 2.5 | 324.9 | 4081 | 625 |
| 650 | 6.7 | 20 | 1.9 | 323.0 | 3788 | 7.3 | 16 | 1.6 | 322.6 | 3780 | 7.2 | 22 | 2.1 | 324.2 | 3755 | 5.5 | 32 | 2.7 | 324.1 | 3761 | 650 |
| 675 | 7.7 | 34 | 3.3 | 324.8 | 3477 | 8.1 | 35 | 3.5 | 326.1 | 3469 | 7.6 | 34 | 3.3 | 324.9 | 3444 | 7.3 | 31 | 2.9 | 323.4 | 3452 | 675 |
| 700 | 8.6 | 43 | 4.3 | 325.7 | 3177 | 9.1 | 51 | 5.2 | 329.0 | 3169 | 8.5 | 59 | 5.9 | 330.3 | 3144 | 8.3 | 59 | 5.8 | 329.6 | 3152 | 700 |
| 725 | 11.1 | 36 | 4.1 | 324.7 | 2885 | 11.8 | 39 | 4.7 | 327.1 | 2876 | 10.9 | 42 | 4.7 | 326.3 | 2853 | 10.0 | 64 | 6.8 | 331.4 | 2861 | 725 |
| 750 | 13.2 | 35 | 4.5 | 325.1 | 2601 | 14.4 | 28 | 3.8 | 324.4 | 2591 | 13.1 | 40 | 5.0 | 326.5 | 2569 | 12.1 | 59 | 7.0 | 331.0 | 2577 | 750 |
| 775 | 15.3 | 35 | 4.9 | 325.5 | 2325 | 16.3 | 25 | 3.8 | 323.4 | 2314 | 15.3 | 37 | 5.2 | 326.6 | 2292 | 14.3 | 53 | 7.0 | 330.5 | 2301 | 775 |
| 800 | 16.9 | 40 | 6.1 | 327.9 | 2055 | 17.4 | 41 | 6.5 | 329.7 | 2043 | 15.9 | 55 | 7.8 | 331.9 | 2022 | 15.6 | 59 | 8.3 | 332.9 | 2032 | 800 |
| 825 | 17.7 | 57 | 8.8 | 333.8 | 1792 | 18.4 | 51 | 8.3 | 333.1 | 1780 | 17.4 | 51 | 7.8 | 330.4 | 1760 | 17.1 | 50 | 7.4 | 329.0 | 1770 | 825 |
| 850 | 18.6 | 55 | 8.8 | 331.9 | 1536 | 19.5 | 43 | 7.2 | 328.4 | 1523 | 18.7 | 51 | 8.1 | 330.1 | 1504 | 17.8 | 61 | 9.3 | 332.2 | 1514 | 850 |
| 875 | 18.8 | 66 | 10.3 | 333.6 | 1286 | 19.4 | 63 | 10.4 | 334.4 | 1273 | 19.0 | 66 | 10.5 | 334.2 | 1255 | 18.2 | 80 | 12.2 | 338.1 | 1266 | 875 |
| 900 | 20.1 | 71 | 11.8 | 336.5 | 1044 | 20.7 | 66 | 11.2 | 335.6 | 1030 | 19.9 | 74 | 12.0 | 336.8 | 1012 | 19.5 | 87 | 13.9 | 341.4 | 1023 | 900 |
| 925 | 22.2 | 73 | 13.4 | 340.6 | 806 | 21.8 | 68 | 12.1 | 336.8 | 792 | 21.1 | 76 | 13.1 | 338.5 | 774 | 21.2 | 86 | 14.9 | 343.4 | 785 | 925 |
| 950 | 24.1 | 75 | 15.1 | 345.1 | 572 | 23.0 | 70 | 13.0 | 338.0 | 560 | 22.3 | 79 | 14.2 | 340.4 | 542 | 22.8 | 85 | 15.9 | 345.6 | 553 | 950 |
| 975 | 26.0 | 76 | 16.9 | 349.9 | 343 | 24.8 | 70 | 14.4 | 341.4 | 332 | 24.5 | 79 | 15.8 | 344.9 | 315 | 24.4 | 85 | 16.9 | 347.8 | 325 | 975 |
| 1000 | 27.9 | 78 | 18.8 | 355.0 | 118 | 26.8 | 71 | 16.0 | 345.6 | 108 | 27.7 | 77 | 18.3 | 353.2 | 91 | 25.9 | 84 | 18.0 | 350.1 | 101 | 1000 |
| SFC. | 28.9 | 79 | 19.9 | 357.9 | 0 | 28.9 | 79 | 20.0 | 358.1 | 0 | 29.0 | 76 | 19.3 | 356.7 | 0 | 26.6 | 84 | 18.5 | 351.2 | 0 | SFC. |
| | SURFACE PRESSURE 1013.3 | | | | | SURFACE PRESSURE 1012.2 | | | | | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1011.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/16 1216 GMT T | RH | W | EPT | H | 4/16 1800 GMT T | RH | W | EPT | H | 4/16 2345 GMT T | RH | W | EPT | H | 4/17 550 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.8 | 0 | 0.0 | 466.0 | 19474 | -65.1 | 0 | 0.0 | 465.2 | 19562 | -63.4 | 0 | 0.0 | 469.0 | 19596 | -67.4 | 0 | 0.0 | 460.1 | 19458 | 60 |
| 70 | -66.7 | 0 | 0.0 | 441.8 | 18536 | -63.8 | 25 | .0 | 448.1 | 18620 | -67.0 | 22 | .0 | 441.1 | 18658 | -71.3 | 31 | .0 | 431.9 | 18527 | 70 |
| 80 | -73.6 | 27 | .0 | 411.0 | 17738 | -72.5 | 26 | .0 | 413.3 | 17818 | -70.1 | 23 | .0 | 418.2 | 17858 | -73.8 | 31 | .0 | 410.6 | 17746 | 80 |
| 90 | -78.6 | 27 | .0 | 387.5 | 17063 | -80.1 | 26 | .0 | 384.4 | 17139 | -78.2 | 23 | .0 | 388.2 | 17176 | -79.4 | 31 | .0 | 385.8 | 17075 | 90 |
| 100 | -77.3 | 28 | .0 | 378.4 | 16460 | -76.9 | 27 | .0 | 379.2 | 16538 | -77.6 | 24 | .0 | 377.8 | 16573 | -79.2 | 31 | .0 | 374.7 | 16477 | 100 |
| 110 | -79.8 | 28 | .0 | 363.5 | 15918 | -75.4 | 27 | .0 | 371.8 | 15987 | -74.8 | 24 | .0 | 372.9 | 16023 | -75.2 | 31 | .0 | 372.2 | 15930 | 110 |
| 120 | -79.4 | 28 | .0 | 355.4 | 15425 | -77.1 | 27 | .0 | 359.5 | 15488 | -76.5 | 24 | .0 | 360.6 | 15524 | -77.0 | 31 | .0 | 359.8 | 15431 | 120 |
| 130 | -76.3 | 27 | .0 | 352.9 | 14968 | -74.7 | 27 | .0 | 355.7 | 15026 | -74.1 | 24 | .0 | 356.8 | 15060 | -74.0 | 31 | .0 | 356.9 | 14968 | 130 |
| 140 | -72.7 | 27 | .0 | 351.8 | 14536 | -71.6 | 27 | .0 | 353.6 | 14592 | -70.9 | 24 | .0 | 354.9 | 14625 | -71.3 | 30 | .0 | 354.2 | 14533 | 140 |
| 150 | -69.4 | 27 | .0 | 350.7 | 14128 | -68.8 | 27 | .0 | 351.7 | 14182 | -67.9 | 24 | .0 | 353.1 | 14213 | -68.8 | 30 | .0 | 351.7 | 14122 | 150 |
| 160 | -66.2 | 26 | .0 | 349.5 | 13740 | -66.1 | 27 | .0 | 349.8 | 13793 | -65.2 | 24 | .0 | 351.3 | 13823 | -66.1 | 30 | .0 | 349.7 | 13734 | 160 |
| 170 | -63.3 | 26 | .0 | 348.4 | 13370 | -63.0 | 27 | .0 | 348.9 | 13423 | -62.6 | 24 | .0 | 349.7 | 13451 | -63.0 | 30 | .0 | 348.9 | 13363 | 170 |
| 180 | -60.5 | 26 | .0 | 347.3 | 13016 | -60.1 | 27 | .0 | 348.0 | 13069 | -59.7 | 24 | .0 | 348.6 | 13096 | -60.1 | 30 | .0 | 348.0 | 13009 | 180 |
| 190 | -57.9 | 26 | .0 | 346.3 | 12678 | -57.4 | 27 | .0 | 347.1 | 12729 | -56.9 | 23 | .0 | 347.8 | 12756 | -57.4 | 31 | .0 | 347.1 | 12670 | 190 |
| 200 | -55.4 | 26 | .0 | 345.2 | 12352 | -54.8 | 26 | .0 | 346.1 | 12403 | -54.2 | 22 | .0 | 347.0 | 12429 | -54.8 | 31 | .0 | 346.2 | 12344 | 200 |
| 225 | -49.0 | 24 | .0 | 343.7 | 11590 | -48.8 | 26 | .1 | 343.9 | 11640 | -48.1 | 21 | .0 | 345.1 | 11663 | -48.7 | 30 | .1 | 344.1 | 11580 | 225 |
| 250 | -43.1 | 22 | .1 | 342.4 | 10889 | -42.7 | 25 | .1 | 343.0 | 10938 | -42.1 | 20 | .1 | 343.9 | 10960 | -43.3 | 29 | .1 | 342.1 | 10879 | 250 |
| 275 | -37.7 | 20 | .1 | 341.1 | 10240 | -37.1 | 24 | .1 | 342.1 | 10287 | -36.5 | 19 | .1 | 342.9 | 10307 | -38.4 | 28 | .1 | 340.2 | 10231 | 275 |
| 300 | -32.9 | 19 | .2 | 339.7 | 9634 | -32.0 | 22 | .2 | 341.1 | 9679 | -31.4 | 18 | .2 | 341.9 | 9697 | -33.8 | 36 | .3 | 338.8 | 9626 | 300 |
| 325 | -28.4 | 17 | .2 | 338.4 | 9065 | -27.3 | 21 | .3 | 340.1 | 9108 | -26.7 | 17 | .2 | 340.8 | 9125 | -29.6 | 19 | .2 | 336.7 | 9060 | 325 |
| 350 | -24.7 | 23 | .3 | 336.8 | 8529 | -22.9 | 19 | .3 | 339.2 | 8570 | -22.3 | 16 | .3 | 339.8 | 8585 | -25.0 | 16 | .2 | 336.0 | 8527 | 350 |
| 375 | -22.1 | 30 | .5 | 334.3 | 8026 | -21.4 | 29 | .5 | 335.4 | 8063 | -20.7 | 30 | .6 | 336.4 | 8077 | -22.2 | 39 | .7 | 334.8 | 8021 | 375 |
| 400 | -18.5 | 17 | .4 | 332.4 | 7548 | -17.4 | 24 | .6 | 334.5 | 7583 | -16.5 | 17 | .4 | 335.3 | 7595 | -18.7 | 24 | .5 | 332.7 | 7544 | 400 |
| 425 | -15.0 | 13 | .4 | 331.2 | 7092 | -13.8 | 21 | .6 | 333.7 | 7126 | -13.2 | 16 | .5 | 334.1 | 7137 | -15.2 | 26 | .7 | 332.2 | 7089 | 425 |
| 450 | -12.2 | 13 | .4 | 329.5 | 6657 | -10.4 | 18 | .7 | 332.7 | 6689 | -10.0 | 15 | .6 | 332.9 | 6699 | -11.6 | 12 | .4 | 330.2 | 6654 | 450 |
| 475 | -10.1 | 14 | .5 | 327.4 | 6243 | -9.1 | 29 | 1.2 | 331.0 | 6271 | -7.5 | 15 | .7 | 331.2 | 6280 | -9.9 | 14 | .5 | 327.7 | 6238 | 475 |
| 500 | -6.9 | 13 | .6 | 326.8 | 5845 | -6.8 | 27 | 1.2 | 329.0 | 5872 | -5.7 | 17 | .8 | 329.1 | 5880 | -7.6 | 16 | .7 | 326.2 | 5841 | 500 |
| 525 | -4.7 | 15 | .8 | 325.5 | 5463 | -4.6 | 24 | 1.2 | 327.3 | 5490 | -2.9 | 16 | .9 | 328.2 | 5495 | -5.5 | 17 | .8 | 324.8 | 5460 | 525 |
| 550 | -3.1 | 18 | 1.0 | 323.9 | 5096 | -2.9 | 29 | 1.6 | 326.2 | 5123 | -.9 | 20 | 1.3 | 327.6 | 5125 | -3.4 | 19 | 1.0 | 323.6 | 5094 | 550 |
| 575 | -1.6 | 35 | 2.1 | 325.1 | 4743 | -.9 | 32 | 2.0 | 325.6 | 4769 | .5 | 28 | 1.9 | 327.1 | 4770 | -1.4 | 20 | 1.2 | 322.4 | 4741 | 575 |
| 600 | 1.4 | 19 | 1.3 | 322.3 | 4402 | 1.6 | 32 | 2.2 | 325.4 | 4428 | 2.7 | 27 | 2.1 | 326.4 | 4427 | .7 | 33 | 2.2 | 324.1 | 4401 | 600 |
| 625 | 3.4 | 19 | 1.5 | 321.4 | 4073 | 3.9 | 31 | 2.5 | 325.3 | 4098 | 5.1 | 24 | 2.1 | 325.3 | 4095 | 2.9 | 21 | 1.6 | 321.1 | 4072 | 625 |
| 650 | 5.3 | 22 | 1.9 | 321.3 | 3753 | 6.2 | 31 | 2.8 | 325.2 | 3778 | 7.3 | 20 | 2.0 | 324.0 | 3774 | 5.0 | 17 | 1.4 | 319.4 | 3753 | 650 |
| 675 | 6.8 | 35 | 3.2 | 323.7 | 3444 | 8.0 | 35 | 3.4 | 325.6 | 3467 | 9.5 | 17 | 1.9 | 322.7 | 3462 | 7.1 | 14 | 1.3 | 318.2 | 3444 | 675 |
| 700 | 7.9 | 66 | 6.3 | 330.8 | 3145 | 8.2 | 52 | 5.1 | 327.4 | 3167 | 11.3 | 19 | 2.3 | 322.8 | 3160 | 7.7 | 24 | 2.3 | 318.4 | 3145 | 700 |
| 725 | 9.2 | 53 | 5.3 | 325.8 | 2854 | 10.4 | 45 | 4.9 | 326.0 | 2876 | 12.5 | 31 | 3.9 | 325.7 | 2866 | 9.2 | 32 | 3.2 | 319.9 | 2855 | 725 |
| 750 | 11.4 | 50 | 5.7 | 326.5 | 2572 | 11.4 | 63 | 7.1 | 330.5 | 2593 | 13.6 | 43 | 5.6 | 328.9 | 2581 | 10.7 | 65 | 7.0 | 329.5 | 2573 | 750 |
| 775 | 13.5 | 53 | 6.6 | 328.4 | 2297 | 14.0 | 45 | 5.9 | 326.9 | 2317 | 15.1 | 40 | 5.6 | 327.5 | 2304 | 12.8 | 40 | 4.8 | 322.4 | 2299 | 775 |
| 800 | 15.5 | 53 | 7.3 | 329.9 | 2028 | 15.4 | 47 | 6.5 | 327.3 | 2048 | 16.6 | 36 | 5.4 | 325.6 | 2035 | 13.6 | 60 | 7.3 | 327.6 | 2032 | 800 |
| 825 | 17.4 | 41 | 6.2 | 325.8 | 1766 | 16.6 | 51 | 7.3 | 328.2 | 1787 | 18.0 | 37 | 5.8 | 325.4 | 1772 | 14.7 | 61 | 7.8 | 327.3 | 1771 | 825 |
| 850 | 17.6 | 48 | 7.1 | 325.9 | 1511 | 17.8 | 54 | 8.2 | 329.2 | 1532 | 19.1 | 44 | 7.3 | 328.1 | 1516 | 16.3 | 66 | 9.1 | 329.9 | 1518 | 850 |
| 875 | 17.4 | 79 | 11.4 | 334.7 | 1263 | 18.9 | 59 | 9.2 | 330.6 | 1283 | 20.2 | 51 | 8.8 | 331.0 | 1266 | 17.4 | 76 | 10.9 | 333.3 | 1270 | 875 |
| 900 | 18.1 | 95 | 13.9 | 339.7 | 1021 | 19.8 | 67 | 10.9 | 333.4 | 1040 | 21.0 | 60 | 10.5 | 333.9 | 1022 | 16.7 | 89 | 11.9 | 332.7 | 1029 | 900 |
| 925 | 19.8 | 94 | 14.9 | 341.8 | 785 | 20.6 | 75 | 12.5 | 336.3 | 803 | 20.6 | 75 | 12.4 | 336.0 | 785 | 18.3 | 91 | 13.2 | 335.3 | 794 | 925 |
| 950 | 21.4 | 93 | 15.9 | 344.0 | 553 | 21.5 | 83 | 14.2 | 339.3 | 572 | 21.8 | 81 | 14.1 | 339.4 | 553 | 20.5 | 90 | 14.6 | 339.1 | 564 | 950 |
| 975 | 23.0 | 92 | 17.0 | 346.2 | 326 | 23.2 | 83 | 15.5 | 342.4 | 345 | 23.9 | 72 | 14.0 | 339.0 | 326 | 22.6 | 89 | 16.1 | 343.2 | 337 | 975 |
| 1000 | 24.6 | 91 | 18.1 | 348.4 | 104 | 25.5 | 79 | 16.5 | 345.3 | 122 | 25.9 | 64 | 13.6 | 338.0 | 104 | 24.7 | 88 | 17.6 | 347.5 | 115 | 1000 |
| SFC. | 25.3 | 91 | 18.6 | 349.5 | 0 | 26.7 | 77 | 17.0 | 346.9 | 0 | 30.0 | 71 | 19.1 | 357.3 | 0 | 25.8 | 88 | 18.5 | 349.8 | 0 | SFC. |
| | SURFACE PRESSURE 1011.8 | | | | | SURFACE PRESSURE 1013.9 | | | | | SURFACE PRESSURE 1011.7 | | | | | SURFACE PRESSURE 1013.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/17 1145 GMT T | RH | W | EPT | H | 4/17 1645 GMT T | RH | W | EPT | H | 4/17 1940 GMT T | RH | W | EPT | H | 4/17 2236 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.9 | 0 | 0.0 | 465.6 | 19434 | -66.0 | 0 | 0.0 | 463.2 | 19516 | -67.1 | 0 | 0.0 | 460.7 | 19527 | -67.5 | 0 | 0.0 | 459.8 | 19585 | 60 |
| 70 | -67.7 | 0 | 0.0 | 439.6 | 18502 | -64.1 | 25 | .0 | 447.3 | 18576 | -64.7 | 0 | 0.0 | 445.9 | 18592 | -68.5 | 0 | 0.0 | 437.9 | 18652 | 70 |
| 80 | -74.7 | 0 | 0.0 | 408.6 | 17719 | -73.7 | 25 | .0 | 410.8 | 17780 | -73.6 | 0 | 0.0 | 410.9 | 17800 | -74.7 | 20 | .0 | 408.6 | 17867 | 80 |
| 90 | -77.5 | 30 | .0 | 389.6 | 17039 | -76.5 | 25 | .0 | 391.6 | 17097 | -74.4 | 25 | .0 | 395.8 | 17113 | -75.0 | 20 | .0 | 394.6 | 17183 | 90 |
| 100 | -80.2 | 31 | .0 | 372.8 | 16440 | -78.0 | 25 | .0 | 377.0 | 16494 | -78.4 | 25 | .0 | 376.4 | 16506 | -77.1 | 20 | .0 | 378.8 | 16578 | 100 |
| 110 | -77.6 | 31 | .0 | 367.7 | 15897 | -75.7 | 25 | .0 | 371.2 | 15946 | -76.3 | 25 | .0 | 370.2 | 15959 | -74.6 | 20 | .0 | 373.3 | 16027 | 110 |
| 120 | -77.8 | 30 | .0 | 358.2 | 15399 | -76.7 | 25 | .0 | 360.3 | 15444 | -77.3 | 25 | .0 | 359.2 | 15458 | -75.5 | 20 | .0 | 362.5 | 15521 | 120 |
| 130 | -74.9 | 30 | .0 | 355.3 | 14938 | -73.9 | 25 | .0 | 357.2 | 14980 | -74.2 | 25 | .0 | 356.6 | 14995 | -71.9 | 20 | .0 | 360.7 | 15054 | 130 |
| 140 | -71.7 | 30 | .0 | 353.6 | 14505 | -70.8 | 25 | .0 | 355.1 | 14544 | -70.9 | 25 | .0 | 354.9 | 14560 | -68.1 | 20 | .0 | 359.9 | 14613 | 140 |
| 150 | -69.0 | 30 | .0 | 351.2 | 14095 | -68.0 | 25 | .0 | 353.0 | 14133 | -68.2 | 25 | .0 | 352.7 | 14148 | -66.2 | 20 | .0 | 356.2 | 14197 | 150 |
| 160 | -66.6 | 31 | .0 | 349.0 | 13707 | -65.3 | 26 | .0 | 351.0 | 13743 | -66.1 | 25 | .0 | 349.8 | 13759 | -65.5 | 20 | .0 | 350.8 | 13805 | 160 |
| 170 | -64.2 | 31 | .0 | 346.9 | 13338 | -62.9 | 26 | .0 | 349.2 | 13371 | -63.7 | 25 | .0 | 347.8 | 13389 | -62.5 | 20 | .0 | 349.7 | 13433 | 170 |
| 180 | -62.0 | 31 | .0 | 344.9 | 12986 | -60.5 | 26 | .0 | 347.3 | 13017 | -60.7 | 25 | .0 | 347.0 | 13036 | -59.5 | 20 | .0 | 349.0 | 13078 | 180 |
| 190 | -59.6 | 31 | .0 | 343.4 | 12650 | -58.3 | 26 | .0 | 345.6 | 12679 | -57.9 | 25 | .0 | 346.2 | 12697 | -56.6 | 20 | .0 | 348.3 | 12738 | 190 |
| 200 | -56.9 | 31 | .0 | 342.8 | 12327 | -56.0 | 26 | .0 | 344.2 | 12355 | -56.2 | 25 | .0 | 343.9 | 12373 | -54.1 | 20 | .0 | 347.2 | 12411 | 200 |
| 225 | -50.4 | 29 | .0 | 341.5 | 11570 | -49.4 | 24 | .0 | 343.0 | 11594 | -50.3 | 25 | .0 | 341.6 | 11614 | -49.1 | 20 | .0 | 343.4 | 11647 | 225 |
| 250 | -44.3 | 28 | .1 | 340.6 | 10874 | -43.5 | 22 | .1 | 341.7 | 10895 | -43.9 | 24 | .1 | 341.1 | 10917 | -43.1 | 19 | .1 | 342.3 | 10946 | 250 |
| 275 | -38.8 | 26 | .1 | 339.6 | 10227 | -38.2 | 21 | .1 | 340.4 | 10246 | -38.3 | 24 | .1 | 340.3 | 10269 | -37.6 | 19 | .1 | 341.2 | 10296 | 275 |
| 300 | -33.8 | 25 | .2 | 338.5 | 9624 | -33.4 | 22 | .2 | 338.9 | 9641 | -33.4 | 24 | .2 | 339.1 | 9664 | -32.4 | 18 | .2 | 340.4 | 9689 | 300 |
| 325 | -29.7 | 35 | .3 | 337.2 | 9057 | -29.3 | 27 | .3 | 337.4 | 9075 | -28.9 | 24 | .3 | 337.9 | 9097 | -27.6 | 18 | .2 | 339.5 | 9120 | 325 |
| 350 | -25.6 | 17 | .2 | 335.2 | 8525 | -25.5 | 31 | .4 | 336.1 | 8541 | -24.8 | 25 | .4 | 336.7 | 8562 | -23.3 | 18 | .3 | 338.6 | 8582 | 350 |
| 375 | -21.3 | 17 | .3 | 334.7 | 8020 | -21.6 | 29 | .5 | 335.1 | 8037 | -20.9 | 25 | .5 | 335.7 | 8056 | -19.3 | 19 | .4 | 337.6 | 8073 | 375 |
| 400 | -19.3 | 35 | .7 | 332.6 | 7542 | -17.9 | 27 | .6 | 334.1 | 7558 | -17.3 | 25 | .6 | 334.8 | 7576 | -15.6 | 19 | .5 | 336.8 | 7590 | 400 |
| 425 | -15.3 | 25 | .7 | 331.8 | 7087 | -14.3 | 24 | .7 | 333.2 | 7101 | -14.5 | 24 | .7 | 332.9 | 7120 | -12.3 | 18 | .6 | 335.6 | 7129 | 425 |
| 450 | -11.5 | 15 | .5 | 330.7 | 6652 | -10.5 | 17 | .6 | 332.5 | 6665 | -11.3 | 20 | .7 | 331.7 | 6684 | -9.2 | 17 | .7 | 334.4 | 6690 | 450 |
| 475 | -8.9 | 17 | .7 | 329.4 | 6236 | -8.4 | 16 | .7 | 330.0 | 6246 | -9.7 | 19 | .7 | 328.6 | 6267 | -7.3 | 16 | .8 | 331.7 | 6270 | 475 |
| 500 | -6.9 | 18 | .8 | 327.6 | 5837 | -6.6 | 17 | .8 | 328.0 | 5847 | -7.2 | 19 | .8 | 327.3 | 5870 | -5.5 | 16 | .8 | 329.3 | 5869 | 500 |
| 525 | -5.0 | 19 | .9 | 325.7 | 5455 | -4.3 | 18 | .9 | 326.7 | 5465 | -4.6 | 19 | 1.0 | 326.4 | 5488 | -3.5 | 17 | 1.0 | 327.7 | 5485 | 525 |
| 550 | -3.2 | 19 | 1.0 | 324.0 | 5088 | -2.2 | 20 | 1.1 | 325.5 | 5097 | -2.3 | 20 | 1.2 | 325.5 | 5120 | -1.5 | 18 | 1.1 | 326.3 | 5116 | 550 |
| 575 | -1.5 | 23 | 1.4 | 322.8 | 4736 | -1.0 | 27 | 1.7 | 324.5 | 4743 | -.6 | 25 | 1.6 | 324.7 | 4766 | .5 | 19 | 1.3 | 324.9 | 4761 | 575 |
| 600 | .1 | 32 | 2.0 | 323.0 | 4396 | .9 | 29 | 2.0 | 323.8 | 4402 | 1.0 | 29 | 2.0 | 324.0 | 4425 | 2.4 | 19 | 1.4 | 323.9 | 4419 | 600 |
| 625 | 2.4 | 28 | 2.0 | 321.9 | 4067 | 3.2 | 27 | 2.1 | 323.1 | 4073 | 3.1 | 30 | 2.3 | 323.5 | 4096 | 4.7 | 19 | 1.6 | 323.3 | 4087 | 625 |
| 650 | 4.3 | 29 | 2.3 | 321.4 | 3749 | 5.4 | 26 | 2.2 | 322.4 | 3754 | 5.5 | 28 | 2.4 | 323.2 | 3776 | 6.8 | 19 | 1.8 | 322.8 | 3767 | 650 |
| 675 | 5.6 | 34 | 2.9 | 321.2 | 3441 | 7.5 | 24 | 2.3 | 321.6 | 3444 | 7.9 | 26 | 2.5 | 322.8 | 3467 | 8.9 | 19 | 2.0 | 322.3 | 3456 | 675 |
| 700 | 6.7 | 48 | 4.3 | 323.2 | 3143 | 8.4 | 35 | 3.4 | 322.8 | 3144 | 9.2 | 29 | 3.0 | 322.6 | 3166 | 9.9 | 31 | 3.3 | 324.2 | 3154 | 700 |
| 725 | 8.1 | 68 | 6.3 | 327.6 | 2854 | 9.3 | 45 | 4.6 | 324.0 | 2854 | 10.0 | 36 | 3.8 | 322.5 | 2875 | 10.8 | 25 | 2.8 | 320.4 | 2863 | 725 |
| 750 | 10.2 | 62 | 6.5 | 327.4 | 2573 | 10.8 | 50 | 5.4 | 324.9 | 2572 | 11.2 | 39 | 4.3 | 322.3 | 2592 | 12.3 | 32 | 3.8 | 321.8 | 2579 | 750 |
| 775 | 12.4 | 51 | 6.0 | 325.3 | 2299 | 12.6 | 51 | 6.0 | 325.6 | 2298 | 13.2 | 37 | 4.5 | 322.1 | 2318 | 13.5 | 38 | 4.7 | 322.9 | 2304 | 775 |
| 800 | 13.4 | 55 | 6.6 | 325.4 | 2032 | 14.4 | 51 | 6.6 | 326.4 | 2030 | 14.5 | 41 | 5.3 | 322.9 | 2050 | 14.7 | 44 | 5.7 | 324.2 | 2036 | 800 |
| 825 | 14.2 | 68 | 8.4 | 328.5 | 1772 | 15.5 | 59 | 7.9 | 328.5 | 1769 | 15.4 | 50 | 6.6 | 324.8 | 1789 | 15.8 | 49 | 6.7 | 325.5 | 1775 | 825 |
| 850 | 15.4 | 81 | 10.5 | 332.7 | 1519 | 15.8 | 76 | 10.1 | 332.1 | 1515 | 16.2 | 58 | 8.0 | 326.7 | 1536 | 16.9 | 55 | 7.8 | 327.0 | 1521 | 850 |
| 875 | 16.6 | 85 | 11.7 | 334.6 | 1272 | 16.4 | 89 | 12.0 | 335.2 | 1268 | 17.7 | 62 | 9.0 | 328.6 | 1288 | 18.4 | 57 | 8.8 | 328.8 | 1273 | 875 |
| 900 | 17.8 | 89 | 12.9 | 336.5 | 1030 | 18.1 | 90 | 13.2 | 337.8 | 1027 | 19.0 | 66 | 10.1 | 330.6 | 1046 | 20.0 | 60 | 9.8 | 330.8 | 1030 | 900 |
| 925 | 19.0 | 94 | 14.1 | 338.7 | 794 | 19.9 | 90 | 14.4 | 340.6 | 790 | 20.4 | 69 | 11.3 | 332.8 | 810 | 21.5 | 62 | 10.9 | 332.9 | 793 | 925 |
| 950 | 20.2 | 97 | 15.4 | 341.0 | 564 | 21.6 | 91 | 15.7 | 343.5 | 559 | 21.1 | 73 | 12.2 | 333.3 | 579 | 22.5 | 64 | 11.7 | 333.7 | 561 | 950 |
| 975 | 22.2 | 95 | 16.7 | 344.3 | 338 | 23.2 | 91 | 17.0 | 346.5 | 332 | 22.0 | 75 | 12.9 | 333.8 | 353 | 22.6 | 74 | 13.2 | 335.3 | 334 | 975 |
| 1000 | 24.2 | 93 | 18.0 | 347.6 | 116 | 24.8 | 92 | 18.4 | 349.7 | 119 | 23.7 | 71 | 13.2 | 334.0 | 132 | 24.8 | 69 | 13.8 | 337.3 | 112 | 1000 |
| SFC. | 25.2 | 92 | 18.6 | 349.4 | 0 | 25.6 | 92 | 19.1 | 351.4 | 0 | 30.0 | 72 | 19.3 | 357.5 | 0 | 31.1 | 67 | 19.2 | 358.9 | 0 | SFC. |
| | SURFACE PRESSURE 1013.2 | | | | | SURFACE PRESSURE 1012.4 | | | | | SURFACE PRESSURE 1015.0 | | | | | SURFACE PRESSURE 1012.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/18 131 GMT T | RH | W | EPT | H | 4/18 5 1 GMT T | RH | W | EPT | H | 4/18 12 7 GMT T | RH | W | EPT | H | 4/18 18 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.8 | 0 | 0.0 | 461.4 | 19587 | -65.1 | 0 | 0.0 | 465.2 | 19523 | -63.7 | 0 | 0.0 | 468.3 | 19463 | -63.2 | 0 | 0.0 | 469.4 | 19568 | 60 |
| 70 | -64.6 | 0 | 0.0 | 446.2 | 18650 | -65.8 | 0 | 0.0 | 443.6 | 18587 | -67.6 | 0 | 0.0 | 439.8 | 18530 | -66.2 | 0 | 0.0 | 442.7 | 18628 | 70 |
| 80 | -71.8 | 0 | 0.0 | 414.6 | 17851 | -73.3 | 27 | .0 | 411.6 | 17795 | -75.2 | 16 | .0 | 407.8 | 17738 | -71.3 | 16 | .0 | 415.7 | 17829 | 80 |
| 90 | -76.8 | 25 | .0 | 390.9 | 17165 | -77.4 | 27 | .0 | 389.8 | 17113 | -79.0 | 16 | .0 | 386.6 | 17064 | -77.1 | 17 | .0 | 390.3 | 17140 | 90 |
| 100 | -77.5 | 25 | .0 | 378.0 | 16563 | -78.9 | 28 | .0 | 375.3 | 16511 | -80.6 | 16 | .0 | 372.0 | 16467 | -78.1 | 17 | .0 | 376.8 | 16540 | 100 |
| 110 | -76.2 | 25 | .0 | 370.2 | 16017 | -76.2 | 28 | .0 | 370.3 | 15965 | -77.7 | 16 | .0 | 367.5 | 15926 | -76.3 | 17 | .0 | 370.1 | 15993 | 110 |
| 120 | -74.2 | 25 | .0 | 364.9 | 15512 | -74.7 | 28 | .0 | 364.0 | 15461 | -76.3 | 16 | .0 | 360.9 | 15425 | -74.7 | 17 | .0 | 364.0 | 15489 | 120 |
| 130 | -72.9 | 25 | .0 | 359.0 | 15045 | -73.1 | 28 | .0 | 358.6 | 14995 | -73.7 | 16 | .0 | 357.5 | 14962 | -72.6 | 17 | .0 | 359.5 | 15021 | 130 |
| 140 | -69.1 | 25 | .0 | 358.1 | 14607 | -69.4 | 27 | .0 | 357.6 | 14557 | -70.2 | 15 | .0 | 356.1 | 14525 | -70.4 | 17 | .0 | 355.8 | 14584 | 140 |
| 150 | -65.6 | 25 | .0 | 357.2 | 14191 | -67.4 | 27 | .0 | 354.1 | 14143 | -67.3 | 15 | .0 | 354.2 | 14112 | -68.3 | 17 | .0 | 352.4 | 14172 | 150 |
| 160 | -64.7 | 25 | .0 | 352.2 | 13797 | -66.2 | 27 | .0 | 349.7 | 13752 | -65.8 | 16 | .0 | 350.2 | 13721 | -66.4 | 17 | .0 | 349.2 | 13783 | 160 |
| 170 | -64.1 | 25 | .0 | 347.1 | 13427 | -63.9 | 27 | .0 | 347.4 | 13383 | -64.5 | 16 | .0 | 346.5 | 13352 | -64.6 | 17 | .0 | 346.2 | 13414 | 170 |
| 180 | -60.7 | 25 | .0 | 347.0 | 13074 | -61.3 | 26 | .0 | 346.1 | 13031 | -61.8 | 16 | .0 | 345.2 | 13001 | -61.7 | 17 | .0 | 345.3 | 13063 | 180 |
| 190 | -57.6 | 25 | .0 | 346.7 | 12735 | -58.8 | 26 | .0 | 344.8 | 12693 | -59.0 | 15 | .0 | 344.5 | 12664 | -58.7 | 16 | .0 | 344.9 | 12726 | 190 |
| 200 | -54.6 | 25 | .0 | 346.4 | 12409 | -55.7 | 26 | .0 | 344.7 | 12369 | -56.3 | 15 | .0 | 343.8 | 12340 | -55.8 | 16 | .0 | 344.5 | 12402 | 200 |
| 225 | -48.7 | 25 | .1 | 344.1 | 11644 | -49.0 | 25 | .0 | 343.6 | 11607 | -49.7 | 14 | .0 | 342.5 | 11581 | -49.2 | 16 | .0 | 343.3 | 11641 | 225 |
| 250 | -43.6 | 25 | .1 | 341.6 | 10945 | -44.1 | 25 | .1 | 340.9 | 10909 | -43.3 | 13 | .0 | 341.9 | 10881 | -43.3 | 15 | .0 | 342.0 | 10941 | 250 |
| 275 | -37.6 | 23 | .1 | 341.3 | 10296 | -38.4 | 24 | .1 | 340.1 | 10261 | -38.9 | 14 | .1 | 339.2 | 10233 | -37.6 | 14 | .1 | 341.1 | 10291 | 275 |
| 300 | -32.1 | 22 | .2 | 340.9 | 9688 | -33.3 | 23 | .2 | 339.2 | 9656 | -33.7 | 12 | .1 | 338.2 | 9630 | -32.5 | 14 | .1 | 340.1 | 9684 | 300 |
| 325 | -27.1 | 20 | .3 | 340.4 | 9117 | -28.5 | 22 | .3 | 338.4 | 9088 | -28.7 | M | M | M | 9063 | -27.7 | 13 | .2 | 339.1 | 9114 | 325 |
| 350 | -23.0 | 21 | .4 | 339.1 | 8579 | -24.1 | 22 | .3 | 337.6 | 8553 | -23.9 | M | M | M | 8527 | -23.3 | 12 | .2 | 338.2 | 8577 | 350 |
| 375 | -19.2 | 21 | .5 | 338.0 | 8070 | -20.0 | 21 | .4 | 336.8 | 8045 | -20.2 | M | M | M | 8019 | -20.2 | 13 | .3 | 336.0 | 8068 | 375 |
| 400 | -15.7 | 22 | .6 | 336.9 | 7586 | -16.2 | 20 | .5 | 336.0 | 7563 | -17.3 | 12 | .3 | 333.7 | 7538 | -17.3 | 13 | .3 | 333.8 | 7587 | 400 |
| 425 | -11.6 | 22 | .8 | 337.1 | 7125 | -13.5 | 19 | .6 | 333.9 | 7104 | -15.2 | 12 | .3 | 330.8 | 7082 | -14.5 | 13 | .4 | 331.8 | 7131 | 425 |
| 450 | -9.2 | 19 | .8 | 334.7 | 6686 | -10.9 | 18 | .6 | 332.0 | 6667 | -11.9 | 11 | .4 | 329.7 | 6647 | -11.9 | 13 | .4 | 329.9 | 6695 | 450 |
| 475 | -7.6 | 18 | .8 | 331.6 | 6267 | -8.7 | 17 | .7 | 329.9 | 6250 | -9.6 | M | M | M | 6232 | -9.5 | 13 | .5 | 328.1 | 6280 | 475 |
| 500 | -5.5 | 18 | .9 | 329.7 | 5866 | -6.7 | 17 | .8 | 327.8 | 5851 | -7.2 | M | M | M | 5834 | -7.0 | 13 | .6 | 326.6 | 5882 | 500 |
| 525 | -3.2 | 19 | 1.1 | 328.4 | 5482 | -4.8 | 17 | .9 | 325.7 | 5469 | -4.9 | M | M | M | 5452 | -4.4 | 12 | .7 | 325.6 | 5499 | 525 |
| 550 | -1.6 | 20 | 1.2 | 326.5 | 5113 | -3.0 | 17 | .9 | 323.8 | 5102 | -2.9 | M | M | M | 5085 | -1.8 | 12 | .7 | 324.6 | 5131 | 550 |
| 575 | .4 | 25 | 1.7 | 326.2 | 4758 | -.7 | 17 | 1.1 | 322.9 | 4749 | -1.4 | M | M | M | 4733 | .3 | 13 | .8 | 323.3 | 4777 | 575 |
| 600 | 2.3 | 29 | 2.2 | 326.1 | 4415 | 1.7 | 17 | 1.2 | 322.4 | 4407 | .7 | 12 | .8 | 319.8 | 4393 | 2.2 | 13 | 1.0 | 322.1 | 4434 | 600 |
| 625 | 4.5 | 30 | 2.5 | 325.9 | 4084 | 4.1 | 17 | 1.4 | 322.0 | 4077 | 2.6 | 17 | 1.2 | 319.7 | 4064 | 4.0 | 14 | 1.1 | 321.0 | 4104 | 625 |
| 650 | 6.9 | 27 | 2.6 | 325.3 | 3763 | 6.4 | 17 | 1.6 | 321.6 | 3757 | 3.8 | 14 | 1.1 | 316.9 | 3746 | 5.8 | 15 | 1.3 | 319.9 | 3784 | 650 |
| 675 | 9.2 | 24 | 2.6 | 324.7 | 3452 | 8.6 | 17 | 1.8 | 321.3 | 3446 | 3.3 | 12 | .9 | 312.2 | 3440 | 7.4 | 20 | 1.9 | 320.3 | 3475 | 675 |
| 700 | 11.3 | 23 | 2.7 | 324.1 | 3150 | 10.8 | 17 | 2.0 | 321.0 | 3145 | 4.4 | 40 | 3.0 | 316.9 | 3145 | 8.9 | 37 | 3.8 | 324.4 | 3175 | 700 |
| 725 | 11.2 | 39 | 4.4 | 325.7 | 2857 | 10.7 | 44 | 4.9 | 326.4 | 2852 | 8.5 | 97 | 9.3 | 336.6 | 2856 | 10.3 | 54 | 5.9 | 328.9 | 2883 | 725 |
| 750 | 13.0 | 34 | 4.3 | 324.1 | 2573 | 12.2 | 39 | 4.6 | 324.3 | 2569 | 10.1 | 97 | 10.1 | 337.4 | 2574 | 11.7 | 70 | 8.1 | 333.7 | 2600 | 750 |
| 775 | 14.4 | 36 | 4.7 | 324.1 | 2297 | 13.5 | 64 | 8.1 | 332.7 | 2293 | 11.7 | 96 | 10.8 | 338.3 | 2300 | 13.3 | 67 | 8.4 | 333.3 | 2324 | 775 |
| 800 | 15.7 | 47 | 6.6 | 328.0 | 2028 | 14.9 | 54 | 7.2 | 328.9 | 2025 | 13.3 | 96 | 11.6 | 339.1 | 2032 | 14.9 | 64 | 8.6 | 332.9 | 2056 | 800 |
| 825 | 17.0 | 60 | 8.8 | 333.0 | 1766 | 15.1 | 80 | 10.5 | 335.5 | 1764 | 14.5 | 96 | 12.2 | 339.4 | 1772 | 16.5 | 62 | 8.9 | 332.4 | 1794 | 825 |
| 850 | 18.5 | 64 | 10.0 | 335.2 | 1510 | 16.3 | 82 | 11.4 | 336.2 | 1510 | 15.9 | 95 | 12.8 | 339.8 | 1518 | 18.0 | 59 | 9.1 | 331.9 | 1539 | 850 |
| 875 | 19.9 | 64 | 10.8 | 336.1 | 1260 | 17.4 | 85 | 12.2 | 337.1 | 1262 | 17.5 | 92 | 13.3 | 340.1 | 1270 | 19.5 | 57 | 9.2 | 331.3 | 1290 | 875 |
| 900 | 21.3 | 65 | 11.5 | 337.1 | 1016 | 18.5 | 87 | 13.1 | 338.0 | 1020 | 19.0 | 88 | 13.7 | 340.3 | 1027 | 20.4 | 62 | 10.5 | 333.2 | 1046 | 900 |
| 925 | 22.6 | 66 | 12.3 | 338.2 | 778 | 19.6 | 89 | 14.0 | 339.0 | 784 | 20.5 | 85 | 14.1 | 340.5 | 790 | 21.1 | 71 | 12.1 | 336.0 | 809 | 925 |
| 950 | 23.7 | 68 | 13.4 | 339.9 | 545 | 21.8 | 86 | 15.1 | 342.2 | 552 | 22.0 | 82 | 14.4 | 340.5 | 558 | 21.9 | 79 | 13.8 | 338.7 | 577 | 950 |
| 975 | 24.5 | 76 | 15.3 | 343.4 | 317 | 24.0 | 84 | 16.3 | 345.5 | 325 | 23.3 | 80 | 14.9 | 340.9 | 332 | 24.0 | 75 | 14.6 | 341.0 | 350 | 975 |
| 1000 | 26.8 | 78 | 17.7 | 350.3 | 93 | 26.1 | 81 | 17.5 | 348.8 | 101 | 24.1 | 87 | 16.6 | 343.9 | 109 | 26.1 | 71 | 15.3 | 343.0 | 127 | 1000 |
| SFC. | 27.8 | 79 | 18.7 | 353.4 | 0 | 27.0 | 80 | 18.0 | 350.4 | 0 | 24.5 | 90 | 17.5 | 345.4 | 0 | 27.3 | 69 | 15.7 | 344.2 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1011.5 | | | | | SURFACE PRESSURE 1012.5 | | | | | SURFACE PRESSURE 1014.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 4/18 2340 GMT | | | | | 4/19 540 GMT | | | | | 4/19 1149 GMT | | | | | 4/19 17 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -65.2 | 0 | 0.0 | 465.0 | 19614 | -69.9 | 0 | 0.0 | 454.5 | 19440 | -67.2 | 0 | 0.0 | 460.6 | 19498 | -66.3 | 20 | .0 | 462.6 | 19565 | 60 |
| 70 | -66.6 | 0 | 0.0 | 441.9 | 18679 | -71.0 | 0 | 0.0 | 432.5 | 18525 | -67.5 | 0 | 0.0 | 439.9 | 18568 | -67.2 | 20 | .0 | 440.6 | 18633 | 70 |
| 80 | -71.2 | 0 | 0.0 | 415.9 | 17880 | -74.1 | 30 | .0 | 410.0 | 17741 | -75.8 | 27 | .0 | 406.4 | 17778 | -75.1 | 20 | .0 | 408.0 | 17839 | 80 |
| 90 | -71.7 | 20 | .0 | 401.2 | 17183 | -76.6 | 30 | .0 | 391.5 | 17056 | -76.5 | 27 | .0 | 391.6 | 17101 | -77.8 | 20 | .0 | 389.0 | 17163 | 90 |
| 100 | -79.0 | 20 | .0 | 375.1 | 16578 | -81.3 | 31 | .0 | 370.7 | 16458 | -79.4 | 27 | .0 | 374.3 | 16497 | -78.6 | 20 | .0 | 375.9 | 16561 | 100 |
| 110 | -76.9 | 20 | .0 | 369.0 | 16033 | -78.6 | 30 | .0 | 365.8 | 15919 | -77.0 | 27 | .0 | 368.7 | 15953 | -76.0 | 20 | .0 | 370.6 | 16015 | 110 |
| 120 | -74.0 | 20 | .0 | 365.3 | 15529 | -75.2 | 30 | .0 | 363.1 | 15419 | -74.9 | 26 | .0 | 363.6 | 15450 | -73.7 | 20 | .0 | 365.8 | 15509 | 120 |
| 130 | -71.3 | 20 | .0 | 361.8 | 15059 | -72.0 | 30 | .0 | 360.5 | 14952 | -72.9 | 26 | .0 | 359.0 | 14983 | -71.5 | 20 | .0 | 361.4 | 15039 | 130 |
| 140 | -68.8 | 20 | .0 | 358.6 | 14619 | -69.1 | 30 | .0 | 358.1 | 14512 | -70.7 | 26 | .0 | 355.2 | 14546 | -68.9 | 20 | .0 | 358.4 | 14599 | 140 |
| 150 | -66.9 | 20 | .0 | 354.9 | 14204 | -67.5 | 30 | .0 | 353.8 | 14097 | -67.5 | 26 | .0 | 353.8 | 14134 | -65.9 | 20 | .0 | 356.6 | 14183 | 150 |
| 160 | -65.2 | 20 | .0 | 351.3 | 13812 | -66.0 | 30 | .0 | 349.9 | 13708 | -64.7 | 26 | .0 | 352.2 | 13743 | -63.1 | 20 | .0 | 354.8 | 13789 | 160 |
| 170 | -63.5 | 20 | .0 | 348.0 | 13442 | -65.1 | 30 | .0 | 345.5 | 13339 | -63.6 | 26 | .0 | 347.9 | 13372 | -60.5 | 20 | .0 | 353.1 | 13414 | 170 |
| 180 | -60.7 | 20 | .0 | 347.0 | 13088 | -63.1 | 30 | .0 | 343.1 | 12989 | -62.3 | 26 | .0 | 344.5 | 13020 | -60.4 | 20 | .0 | 347.5 | 13057 | 180 |
| 190 | -58.0 | 21 | .0 | 346.0 | 12750 | -60.2 | 30 | .0 | 342.6 | 12654 | -59.6 | 26 | .0 | 343.4 | 12684 | -58.5 | 20 | .0 | 345.2 | 12720 | 190 |
| 200 | -55.5 | 21 | .0 | 345.0 | 12425 | -57.4 | 30 | .0 | 342.0 | 12332 | -57.2 | 26 | .0 | 342.4 | 12361 | -55.8 | 20 | .0 | 344.6 | 12395 | 200 |
| 225 | -49.0 | 20 | .0 | 343.6 | 11663 | -51.0 | 30 | .0 | 340.6 | 11577 | -50.4 | 25 | .0 | 341.4 | 11605 | -49.3 | 19 | .0 | 343.1 | 11634 | 225 |
| 250 | -42.8 | 19 | .1 | 342.7 | 10962 | -44.7 | 28 | .1 | 339.9 | 10882 | -44.2 | 23 | .1 | 340.6 | 10908 | -42.7 | 18 | .1 | 342.9 | 10934 | 250 |
| 275 | -37.2 | 18 | .1 | 341.7 | 10312 | -39.1 | 26 | .1 | 339.2 | 10237 | -38.6 | 21 | .1 | 339.7 | 10261 | -36.8 | 17 | .1 | 342.3 | 10282 | 275 |
| 300 | -31.9 | 18 | .2 | 341.1 | 9704 | -33.9 | 24 | .2 | 338.4 | 9633 | -33.5 | 20 | .2 | 338.8 | 9657 | -32.3 | 16 | .1 | 340.5 | 9674 | 300 |
| 325 | -26.9 | 17 | .2 | 340.5 | 9132 | -29.1 | 23 | .2 | 337.5 | 9067 | -28.8 | 19 | .2 | 337.8 | 9090 | -28.1 | 16 | .2 | 338.8 | 9104 | 325 |
| 350 | -22.6 | 17 | .3 | 339.6 | 8593 | -24.7 | 21 | .3 | 336.7 | 8532 | -24.5 | 18 | .3 | 336.9 | 8555 | -24.2 | 15 | .2 | 337.1 | 8568 | 350 |
| 375 | -19.5 | 17 | .4 | 337.3 | 8083 | -21.2 | 23 | .4 | 335.1 | 8026 | -20.7 | 17 | .3 | 335.5 | 8048 | -20.6 | 15 | .3 | 335.6 | 8061 | 375 |
| 400 | -16.6 | 17 | .4 | 335.1 | 7601 | -19.4 | 22 | .5 | 331.5 | 7549 | -18.4 | 18 | .4 | 332.6 | 7569 | -17.2 | 15 | .4 | 334.1 | 7581 | 400 |
| 425 | -13.9 | 17 | .5 | 333.1 | 7143 | -15.7 | 20 | .5 | 330.8 | 7095 | -14.6 | 15 | .4 | 331.8 | 7113 | -14.0 | 14 | .4 | 332.7 | 7123 | 425 |
| 450 | -11.3 | 17 | .6 | 331.3 | 6707 | -12.3 | 19 | .6 | 330.1 | 6661 | -11.9 | 16 | .5 | 330.2 | 6678 | -11.0 | 14 | .5 | 331.3 | 6687 | 450 |
| 475 | -8.9 | 17 | .7 | 329.5 | 6290 | -9.6 | 19 | .7 | 328.7 | 6246 | -9.6 | 17 | .7 | 328.5 | 6263 | -8.8 | 17 | .7 | 329.6 | 6270 | 475 |
| 500 | -6.1 | 16 | .8 | 328.5 | 5891 | -7.1 | 19 | .9 | 327.5 | 5848 | -6.9 | 17 | .8 | 327.3 | 5865 | -6.1 | 16 | .8 | 328.4 | 5871 | 500 |
| 525 | -3.4 | 16 | .9 | 327.5 | 5507 | -4.7 | 19 | 1.0 | 326.3 | 5466 | -4.2 | 15 | .8 | 326.3 | 5482 | -3.5 | 15 | .9 | 327.4 | 5487 | 525 |
| 550 | -.8 | 15 | 1.0 | 326.6 | 5138 | -2.4 | 20 | 1.1 | 325.2 | 5098 | -1.6 | 14 | .8 | 325.2 | 5114 | -.9 | 15 | .9 | 326.4 | 5118 | 550 |
| 575 | 1.6 | 14 | 1.1 | 325.6 | 4781 | -.2 | 20 | 1.3 | 324.2 | 4744 | .4 | 16 | 1.1 | 324.3 | 4759 | 1.2 | 17 | 1.2 | 325.7 | 4761 | 575 |
| 600 | 3.9 | 14 | 1.1 | 324.7 | 4437 | 1.9 | 20 | 1.4 | 323.2 | 4403 | 1.9 | 21 | 1.6 | 323.6 | 4416 | 2.6 | 25 | 1.9 | 325.5 | 4418 | 600 |
| 625 | 6.2 | 13 | 1.2 | 323.8 | 4104 | 3.8 | 23 | 1.8 | 322.9 | 4072 | 3.3 | 41 | 3.2 | 326.5 | 4086 | 3.7 | 41 | 3.3 | 327.4 | 4087 | 625 |
| 650 | 7.7 | 17 | 1.7 | 323.6 | 3782 | 5.4 | 33 | 2.9 | 324.4 | 3753 | 5.0 | 79 | 6.6 | 335.1 | 3767 | 4.9 | 61 | 5.1 | 330.6 | 3768 | 650 |
| 675 | 9.5 | 25 | 2.7 | 325.3 | 3471 | 7.0 | 43 | 4.0 | 326.2 | 3443 | 6.9 | 76 | 7.0 | 335.0 | 3457 | 6.9 | 53 | 4.9 | 328.7 | 3459 | 675 |
| 700 | 11.8 | 40 | 5.0 | 331.4 | 3168 | 8.5 | 53 | 5.2 | 328.3 | 3143 | 8.8 | 72 | 7.4 | 334.9 | 3157 | 8.8 | 44 | 4.5 | 326.5 | 3158 | 700 |
| 725 | 13.4 | 48 | 6.4 | 334.3 | 2873 | 10.0 | 62 | 6.6 | 330.7 | 2852 | 10.7 | 71 | 7.9 | 335.2 | 2865 | 10.7 | 36 | 4.0 | 324.0 | 2867 | 725 |
| 750 | 14.4 | 51 | 7.0 | 333.8 | 2587 | 11.4 | 71 | 8.0 | 333.3 | 2569 | 12.6 | 44 | 5.4 | 327.0 | 2581 | 12.4 | 34 | 4.1 | 323.0 | 2584 | 750 |
| 775 | 15.3 | 53 | 7.5 | 333.3 | 2309 | 13.0 | 45 | 5.5 | 324.6 | 2293 | 14.0 | 44 | 5.6 | 326.3 | 2305 | 14.0 | 36 | 4.6 | 323.4 | 2308 | 775 |
| 800 | 16.3 | 53 | 7.7 | 331.9 | 2039 | 13.8 | 46 | 5.7 | 323.2 | 2026 | 15.4 | 45 | 6.2 | 326.5 | 2036 | 15.6 | 37 | 5.2 | 323.9 | 2039 | 800 |
| 825 | 17.6 | 43 | 6.6 | 327.4 | 1776 | 14.5 | 55 | 6.9 | 324.5 | 1766 | 16.7 | 47 | 6.8 | 326.8 | 1775 | 17.0 | 41 | 6.0 | 324.7 | 1778 | 825 |
| 850 | 19.2 | 49 | 8.1 | 330.6 | 1520 | 15.1 | 73 | 9.3 | 329.2 | 1513 | 17.1 | 65 | 9.4 | 331.7 | 1520 | 16.5 | 60 | 8.3 | 328.1 | 1523 | 850 |
| 875 | 20.6 | 57 | 10.1 | 335.0 | 1270 | 16.3 | 79 | 10.5 | 331.1 | 1267 | 17.5 | 83 | 12.1 | 336.7 | 1272 | 16.8 | 66 | 9.1 | 327.8 | 1276 | 875 |
| 900 | 21.1 | 65 | 11.3 | 336.4 | 1026 | 17.6 | 81 | 11.5 | 332.5 | 1026 | 18.7 | 76 | 11.6 | 334.3 | 1030 | 18.3 | 68 | 10.0 | 329.4 | 1035 | 900 |
| 925 | 21.5 | 72 | 12.6 | 337.6 | 788 | 18.9 | 83 | 12.4 | 334.0 | 790 | 19.7 | 78 | 12.3 | 334.5 | 793 | 19.9 | 73 | 11.6 | 333.0 | 799 | 925 |
| 950 | 23.1 | 70 | 13.3 | 338.8 | 556 | 20.2 | 85 | 13.4 | 335.7 | 560 | 20.4 | 95 | 15.3 | 340.9 | 563 | 21.3 | 79 | 13.4 | 336.9 | 567 | 950 |
| 975 | 24.7 | 69 | 13.9 | 340.0 | 328 | 21.4 | 87 | 14.5 | 337.4 | 334 | 22.6 | 90 | 16.1 | 343.4 | 336 | 23.1 | 83 | 15.2 | 341.4 | 341 | 975 |
| 1000 | 26.3 | 67 | 14.6 | 341.2 | 104 | 23.9 | 87 | 16.4 | 343.1 | 113 | 24.8 | 85 | 16.9 | 345.6 | 114 | 25.8 | 80 | 17.1 | 347.4 | 118 | 1000 |
| SFC. | 29.5 | 76 | 19.9 | 358.8 | 0 | 26.0 | 85 | 18.1 | 348.9 | 0 | 25.9 | 82 | 17.3 | 346.7 | 0 | 27.3 | 79 | 18.1 | 350.7 | 0 | SFC. |
| | SURFACE PRESSURE 1011.8 | | | | | SURFACE PRESSURE 1012.9 | | | | | SURFACE PRESSURE 1013.0 | | | | | SURFACE PRESSURE 1013.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/19 20 9 GMT T | RH | W | EPT | H | 4/19 2246 GMT T | RH | W | EPT | H | 4/20 140 GMT T | RH | W | EPT | H | 4/20 5 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.6 | 0 | 0.0 | 461.8 | 19613 | -69.3 | 0 | 0.0 | 455.8 | 19552 | -65.4 | 0 | 0.0 | 464.5 | 19571 | -65.0 | 22 | .0 | 465.6 | 19506 | 60 |
| 70 | -67.0 | 0 | 0.0 | 441.0 | 18681 | -67.5 | 0 | 0.0 | 440.0 | 18627 | -66.9 | 0 | 0.0 | 441.2 | 18637 | -69.5 | 22 | .0 | 435.9 | 18582 | 70 |
| 80 | -70.2 | 0 | 0.0 | 418.0 | 17877 | -72.2 | 0 | 0.0 | 413.9 | 17832 | -72.3 | 25 | .0 | 413.7 | 17835 | -69.2 | 23 | .0 | 420.1 | 17785 | 80 |
| 90 | -76.3 | 24 | .0 | 392.0 | 17193 | -77.3 | 25 | .0 | 390.1 | 17152 | -79.5 | 25 | .0 | 385.6 | 17162 | -79.3 | 23 | .0 | 386.0 | 17106 | 90 |
| 100 | -77.2 | 24 | .0 | 378.6 | 16587 | -78.4 | 25 | .0 | 376.3 | 16549 | -76.5 | 25 | .0 | 380.0 | 16560 | -79.1 | 23 | .0 | 374.9 | 16507 | 100 |
| 110 | -77.2 | 24 | .0 | 368.4 | 16040 | -76.2 | 24 | .0 | 370.4 | 16002 | -77.3 | 25 | .0 | 368.2 | 16013 | -78.8 | 23 | .0 | 365.4 | 15966 | 110 |
| 120 | -74.3 | 24 | .0 | 364.7 | 15537 | -74.1 | 24 | .0 | 365.0 | 15498 | -74.8 | 25 | .0 | 363.7 | 15510 | -75.9 | 23 | .0 | 361.7 | 15467 | 120 |
| 130 | -71.7 | 25 | .0 | 361.2 | 15068 | -72.3 | 24 | .0 | 360.1 | 15029 | -72.2 | 25 | .0 | 360.2 | 15043 | -73.3 | 22 | .0 | 358.2 | 15002 | 130 |
| 140 | -69.2 | 25 | .0 | 357.9 | 14628 | -70.5 | 23 | .0 | 355.6 | 14591 | -69.1 | 24 | .0 | 358.1 | 14603 | -70.9 | 22 | .0 | 355.0 | 14565 | 140 |
| 150 | -66.8 | 25 | .0 | 355.2 | 14213 | -67.4 | 23 | .0 | 354.1 | 14179 | -67.4 | 25 | .0 | 354.1 | 14189 | -68.6 | 22 | .0 | 352.0 | 14154 | 150 |
| 160 | -64.0 | 25 | .0 | 353.2 | 13821 | -64.0 | 24 | .0 | 353.3 | 13787 | -65.5 | 25 | .0 | 350.8 | 13798 | -66.3 | 22 | .0 | 349.5 | 13766 | 160 |
| 170 | -61.5 | 25 | .0 | 351.4 | 13447 | -61.3 | 24 | .0 | 351.8 | 13413 | -62.9 | 24 | .0 | 349.0 | 13427 | -63.9 | 22 | .0 | 347.4 | 13396 | 170 |
| 180 | -59.1 | 25 | .0 | 349.7 | 13091 | -60.3 | 23 | .0 | 347.7 | 13057 | -60.4 | 23 | .0 | 347.5 | 13073 | -61.6 | 22 | .0 | 345.5 | 13044 | 180 |
| 190 | -58.6 | 25 | .0 | 345.0 | 12751 | -58.3 | 23 | .0 | 345.6 | 12719 | -57.9 | 23 | .0 | 346.3 | 12735 | -59.5 | 22 | .0 | 343.6 | 12707 | 190 |
| 200 | -56.0 | 25 | .0 | 344.2 | 12427 | -56.1 | 23 | .0 | 344.0 | 12395 | -55.4 | 24 | .0 | 345.1 | 12409 | -56.9 | 22 | .0 | 342.8 | 12385 | 200 |
| 225 | -49.2 | 25 | .0 | 343.4 | 11667 | -49.7 | 22 | .0 | 342.5 | 11636 | -49.1 | 23 | .0 | 343.5 | 11648 | -49.8 | 20 | .0 | 342.3 | 11626 | 225 |
| 250 | -42.7 | 24 | .1 | 342.9 | 10966 | -43.0 | 21 | .1 | 342.5 | 10936 | -42.7 | 22 | .1 | 343.0 | 10947 | -43.5 | 19 | .1 | 341.7 | 10928 | 250 |
| 275 | -36.9 | 23 | .1 | 342.3 | 10315 | -36.9 | 20 | .1 | 342.2 | 10285 | -36.6 | 21 | .1 | 342.7 | 10295 | -37.8 | 18 | .1 | 340.9 | 10279 | 275 |
| 300 | -32.4 | 24 | .2 | 340.5 | 9707 | -32.5 | 20 | .2 | 340.3 | 9677 | -31.1 | 20 | .2 | 342.4 | 9685 | -32.6 | 17 | .1 | 340.1 | 9672 | 300 |
| 325 | -28.3 | 25 | .3 | 338.8 | 9138 | -28.5 | 21 | .2 | 338.4 | 9109 | -27.4 | 21 | .3 | 340.0 | 9114 | -28.4 | 18 | .2 | 338.4 | 9103 | 325 |
| 350 | -24.0 | 25 | .4 | 338.0 | 8602 | -24.1 | 21 | .3 | 337.6 | 8573 | -24.5 | 24 | .4 | 337.2 | 8577 | -24.8 | 20 | .3 | 336.4 | 8568 | 350 |
| 375 | -19.9 | 25 | .5 | 337.2 | 8094 | -20.0 | 20 | .4 | 336.7 | 8065 | -19.4 | 21 | .5 | 337.7 | 8069 | -20.5 | 20 | .4 | 336.0 | 8062 | 375 |
| 400 | -17.7 | 25 | .6 | 334.2 | 7613 | -17.9 | 19 | .4 | 333.4 | 7585 | -17.1 | 27 | .7 | 335.4 | 7587 | -16.2 | 19 | .5 | 335.9 | 7580 | 400 |
| 425 | -14.3 | 23 | .7 | 333.2 | 7156 | -14.4 | 18 | .5 | 332.5 | 7128 | -13.6 | 24 | .7 | 334.4 | 7129 | -13.8 | 21 | .6 | 333.7 | 7122 | 425 |
| 450 | -11.1 | 21 | .8 | 332.1 | 6720 | -11.2 | 18 | .6 | 331.6 | 6692 | -10.2 | 20 | .8 | 333.3 | 6692 | -10.8 | 17 | .6 | 332.0 | 6685 | 450 |
| 475 | -8.2 | 20 | .9 | 331.0 | 6303 | -8.5 | 18 | .8 | 330.3 | 6275 | -7.1 | 17 | .8 | 332.1 | 6273 | -8.2 | 17 | .7 | 330.6 | 6268 | 475 |
| 500 | -5.6 | 21 | 1.0 | 329.9 | 5902 | -5.9 | 18 | .9 | 329.1 | 5876 | -5.5 | 19 | 1.0 | 329.8 | 5872 | -5.7 | 17 | .9 | 329.3 | 5868 | 500 |
| 525 | -3.1 | 21 | 1.2 | 329.0 | 5518 | -3.4 | 19 | 1.0 | 328.0 | 5492 | -3.1 | 20 | 1.1 | 328.8 | 5487 | -3.3 | 18 | 1.0 | 328.0 | 5484 | 525 |
| 550 | -.7 | 21 | 1.4 | 328.1 | 5148 | -1.1 | 19 | 1.2 | 327.0 | 5122 | -.7 | 20 | 1.3 | 328.0 | 5117 | -1.0 | 18 | 1.1 | 326.9 | 5114 | 550 |
| 575 | 1.5 | 22 | 1.6 | 327.3 | 4792 | 1.1 | 19 | 1.4 | 326.1 | 4767 | 1.6 | 21 | 1.6 | 327.3 | 4761 | 1.1 | 18 | 1.3 | 325.8 | 4758 | 575 |
| 600 | 3.7 | 22 | 1.8 | 326.6 | 4448 | 3.0 | 22 | 1.7 | 325.6 | 4423 | 3.8 | 22 | 1.8 | 326.7 | 4417 | 3.2 | 18 | 1.4 | 324.8 | 4415 | 600 |
| 625 | 5.3 | 28 | 2.5 | 327.0 | 4115 | 4.1 | 35 | 2.9 | 326.6 | 4092 | 4.8 | 40 | 3.4 | 329.2 | 4084 | 3.4 | 51 | 4.0 | 329.1 | 4084 | 625 |
| 650 | 6.2 | 43 | 3.9 | 328.5 | 3794 | 5.7 | 38 | 3.3 | 326.0 | 3772 | 6.5 | 47 | 4.4 | 330.4 | 3764 | 5.6 | 42 | 3.7 | 327.1 | 3764 | 650 |
| 675 | 8.3 | 46 | 4.6 | 329.7 | 3484 | 7.5 | 44 | 4.3 | 327.6 | 3462 | 8.4 | 50 | 5.1 | 331.2 | 3453 | 7.7 | 46 | 4.5 | 328.6 | 3454 | 675 |
| 700 | 10.6 | 47 | 5.3 | 331.0 | 3182 | 9.4 | 47 | 4.9 | 328.3 | 3161 | 10.2 | 51 | 5.7 | 331.6 | 3151 | 9.2 | 57 | 6.0 | 331.3 | 3153 | 700 |
| 725 | 12.3 | 43 | 5.4 | 329.8 | 2888 | 11.4 | 39 | 4.6 | 326.4 | 2869 | 12.1 | 45 | 5.4 | 329.8 | 2858 | 11.0 | 47 | 5.4 | 328.3 | 2861 | 725 |
| 750 | 13.8 | 39 | 5.1 | 327.5 | 2603 | 13.2 | 36 | 4.5 | 325.0 | 2585 | 13.8 | 41 | 5.4 | 328.4 | 2573 | 12.8 | 37 | 4.6 | 325.0 | 2577 | 750 |
| 775 | 15.0 | 37 | 5.2 | 326.0 | 2326 | 14.7 | 37 | 5.0 | 325.4 | 2309 | 15.3 | 41 | 5.8 | 328.1 | 2295 | 14.3 | 37 | 4.9 | 324.3 | 2301 | 775 |
| 800 | 15.9 | 40 | 5.7 | 325.6 | 2057 | 16.2 | 39 | 5.6 | 325.8 | 2039 | 16.7 | 41 | 6.1 | 327.9 | 2026 | 15.4 | 44 | 6.1 | 326.2 | 2033 | 800 |
| 825 | 16.7 | 43 | 6.3 | 325.3 | 1795 | 16.4 | 45 | 6.3 | 325.1 | 1778 | 17.2 | 50 | 7.4 | 329.2 | 1763 | 16.5 | 51 | 7.4 | 328.2 | 1771 | 825 |
| 850 | 17.5 | 46 | 6.9 | 325.1 | 1540 | 16.8 | 59 | 8.4 | 328.5 | 1523 | 17.5 | 59 | 8.8 | 330.6 | 1508 | 17.6 | 58 | 8.7 | 330.3 | 1516 | 850 |
| 875 | 18.1 | 60 | 9.0 | 329.0 | 1292 | 17.8 | 63 | 9.3 | 329.5 | 1275 | 17.8 | 69 | 10.1 | 331.9 | 1260 | 18.6 | 65 | 10.0 | 332.6 | 1267 | 875 |
| 900 | 19.3 | 67 | 10.5 | 332.0 | 1050 | 18.9 | 66 | 10.1 | 330.3 | 1033 | 18.9 | 74 | 11.4 | 334.0 | 1018 | 19.7 | 70 | 11.3 | 334.5 | 1025 | 900 |
| 925 | 20.8 | 70 | 11.7 | 334.4 | 813 | 19.9 | 69 | 10.9 | 331.2 | 797 | 20.2 | 79 | 12.8 | 336.6 | 781 | 20.3 | 80 | 13.1 | 337.6 | 788 | 925 |
| 950 | 22.3 | 72 | 13.0 | 337.1 | 581 | 21.1 | 71 | 11.8 | 332.3 | 566 | 21.8 | 79 | 13.8 | 338.6 | 549 | 21.7 | 88 | 15.3 | 342.7 | 556 | 950 |
| 975 | 24.0 | 72 | 14.0 | 339.2 | 354 | 23.1 | 69 | 12.7 | 334.7 | 340 | 23.7 | 75 | 14.3 | 339.9 | 322 | 23.7 | 89 | 17.0 | 346.9 | 329 | 975 |
| 1000 | 26.2 | 67 | 14.5 | 340.8 | 131 | 25.1 | 67 | 13.6 | 337.1 | 118 | 25.6 | 71 | 14.8 | 341.0 | 100 | 25.6 | 89 | 18.7 | 351.4 | 106 | 1000 |
| SFC. | 27.4 | 67 | 15.4 | 343.2 | 0 | 27.9 | 69 | 16.3 | 346.7 | 0 | 28.0 | 72 | 17.2 | 349.4 | 0 | 26.5 | 89 | 19.5 | 353.7 | 0 | SFC. |
| | SURFACE PRESSURE 1014.9 | | | | | SURFACE PRESSURE 1013.4 | | | | | SURFACE PRESSURE 1011.3 | | | | | SURFACE PRESSURE 1012.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| P | 4/20 1215 GMT T | RH | W | EPT | H | 4/20 1745 GMT T | RH | W | EPT | H | 4/20 2340 GMT T | RH | W | EPT | H | 4/21 556 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.8 | 0 | 0.0 | 463.7 | 19482 | -63.7 | 0 | 0.0 | 468.3 | 19558 | -64.9 | 0 | 0.0 | 465.6 | 19592 | -65.6 | 0 | 0.0 | 464.1 | 19491 | 60 |
| 70 | -69.9 | 0 | 0.0 | 435.0 | 18560 | -68.8 | 18 | .0 | 437.3 | 18627 | -71.2 | 0 | 0.0 | 432.1 | 18667 | -69.7 | 25 | .0 | 435.4 | 18559 | 70 |
| 80 | -70.1 | 21 | .0 | 418.1 | 17766 | -69.8 | 19 | .0 | 418.9 | 17830 | -72.3 | 0 | 0.0 | 413.6 | 17882 | -76.3 | 25 | .0 | 405.4 | 17779 | 80 |
| 90 | -79.4 | 21 | .0 | 385.8 | 17077 | -78.8 | 19 | .0 | 387.0 | 17137 | -75.3 | 17 | .0 | 393.9 | 17189 | -77.8 | 25 | .0 | 388.9 | 17103 | 90 |
| 100 | -79.2 | 21 | .0 | 374.7 | 16480 | -78.6 | 20 | .0 | 375.9 | 16537 | -77.9 | 17 | .0 | 377.2 | 16585 | -76.7 | 25 | .0 | 379.6 | 16501 | 100 |
| 110 | -78.8 | 21 | .0 | 365.4 | 15939 | -77.8 | 20 | .0 | 367.2 | 15993 | -76.0 | 17 | .0 | 370.7 | 16037 | -78.5 | 25 | .0 | 366.0 | 15955 | 110 |
| 120 | -75.2 | 21 | .0 | 363.1 | 15439 | -75.7 | 19 | .0 | 362.1 | 15493 | -74.3 | 18 | .0 | 364.7 | 15533 | -76.1 | 24 | .0 | 361.4 | 15456 | 120 |
| 130 | -72.4 | 21 | .0 | 359.8 | 14972 | -73.2 | 18 | .0 | 358.4 | 15027 | -72.2 | 18 | .0 | 360.2 | 15064 | -73.8 | 23 | .0 | 357.3 | 14992 | 130 |
| 140 | -70.0 | 20 | .0 | 356.5 | 14534 | -70.3 | 18 | .0 | 355.9 | 14590 | -70.2 | 17 | .0 | 356.2 | 14626 | -71.8 | 22 | .0 | 353.4 | 14557 | 140 |
| 150 | -68.0 | 20 | .0 | 352.9 | 14121 | -67.7 | 18 | .0 | 353.6 | 14178 | -67.3 | 17 | .0 | 354.2 | 14213 | -69.2 | 21 | .0 | 350.9 | 14148 | 150 |
| 160 | -67.2 | 20 | .0 | 347.9 | 13732 | -65.2 | 18 | .0 | 351.3 | 13787 | -64.6 | 17 | .0 | 352.3 | 13821 | -66.1 | 21 | .0 | 349.7 | 13759 | 160 |
| 170 | -64.3 | 20 | .0 | 346.8 | 13364 | -62.8 | 18 | .0 | 349.2 | 13416 | -62.1 | 17 | .0 | 350.5 | 13449 | -63.3 | 22 | .0 | 348.4 | 13389 | 170 |
| 180 | -61.5 | 19 | .0 | 345.7 | 13012 | -60.6 | 18 | .0 | 347.1 | 13062 | -59.7 | 17 | .0 | 348.7 | 13093 | -60.6 | 22 | .0 | 347.2 | 13036 | 180 |
| 190 | -58.9 | 19 | .0 | 344.6 | 12675 | -58.0 | 18 | .0 | 346.0 | 12723 | -57.0 | 17 | .0 | 347.6 | 12753 | -58.0 | 22 | .0 | 346.0 | 12697 | 190 |
| 200 | -56.4 | 19 | .0 | 343.6 | 12351 | -55.3 | 18 | .0 | 345.2 | 12398 | -54.4 | 16 | .0 | 346.7 | 12427 | -55.6 | 23 | .0 | 344.8 | 12372 | 200 |
| 225 | -50.7 | 18 | .0 | 341.0 | 11594 | -49.1 | 17 | .0 | 343.4 | 11636 | -48.5 | 15 | .0 | 344.3 | 11662 | -49.8 | 23 | .0 | 342.4 | 11612 | 225 |
| 250 | -44.4 | 17 | .1 | 340.3 | 10898 | -43.0 | 17 | .1 | 342.3 | 10936 | -42.1 | 15 | .1 | 343.7 | 10959 | -43.6 | 21 | .1 | 341.6 | 10913 | 250 |
| 275 | -38.4 | 17 | .1 | 340.0 | 10251 | -37.5 | 16 | .1 | 341.2 | 10286 | -36.6 | 15 | .1 | 342.6 | 10306 | -37.9 | 20 | .1 | 340.7 | 10265 | 275 |
| 300 | -33.0 | 16 | .1 | 339.5 | 9646 | -32.5 | 16 | .1 | 340.1 | 9679 | -31.5 | 14 | .1 | 341.5 | 9697 | -32.8 | 19 | .2 | 339.8 | 9659 | 300 |
| 325 | -29.7 | 17 | .2 | 336.5 | 9078 | -28.1 | 16 | .2 | 338.7 | 9109 | -26.9 | 14 | .2 | 340.4 | 9125 | -28.1 | 18 | .2 | 338.9 | 9090 | 325 |
| 350 | -25.5 | 18 | .2 | 335.4 | 8545 | -24.2 | 16 | .3 | 337.1 | 8573 | -22.7 | 14 | .2 | 339.1 | 8586 | -24.1 | 17 | .3 | 337.3 | 8553 | 350 |
| 375 | -22.5 | 18 | .3 | 333.0 | 8042 | -20.6 | 16 | .3 | 335.6 | 8067 | -19.4 | 15 | .3 | 337.2 | 8077 | -21.1 | 18 | .3 | 335.0 | 8047 | 375 |
| 400 | -18.0 | 18 | .4 | 333.2 | 7564 | -17.3 | 17 | .4 | 334.2 | 7586 | -16.3 | 15 | .4 | 335.4 | 7594 | -18.3 | 19 | .4 | 332.9 | 7568 | 400 |
| 425 | -15.2 | 18 | .5 | 331.4 | 7108 | -14.1 | 17 | .5 | 332.8 | 7129 | -14.3 | 17 | .5 | 332.5 | 7136 | -15.0 | 19 | .5 | 331.6 | 7112 | 425 |
| 450 | -11.7 | 16 | .5 | 330.6 | 6673 | -11.1 | 17 | .6 | 331.6 | 6693 | -10.8 | 15 | .6 | 331.8 | 6700 | -12.0 | 18 | .6 | 330.5 | 6677 | 450 |
| 475 | -8.8 | 15 | .6 | 329.4 | 6257 | -8.4 | 17 | .7 | 330.2 | 6275 | -7.7 | 14 | .6 | 330.8 | 6282 | -9.1 | 18 | .7 | 329.3 | 6262 | 475 |
| 500 | -6.3 | 16 | .8 | 328.1 | 5858 | -5.9 | 17 | .8 | 328.8 | 5876 | -5.7 | 15 | .7 | 328.7 | 5882 | -6.5 | 18 | .8 | 328.2 | 5863 | 500 |
| 525 | -3.9 | 16 | .9 | 326.9 | 5475 | -3.6 | 17 | .9 | 327.5 | 5492 | -3.5 | 15 | .8 | 327.2 | 5498 | -4.0 | 18 | 1.0 | 327.1 | 5480 | 525 |
| 550 | -1.6 | 17 | 1.0 | 325.8 | 5106 | -1.3 | 17 | 1.1 | 326.3 | 5123 | -.9 | 15 | 1.0 | 326.5 | 5128 | -1.6 | 18 | 1.1 | 326.1 | 5111 | 550 |
| 575 | .5 | 17 | 1.2 | 324.8 | 4751 | .8 | 17 | 1.2 | 325.2 | 4767 | 1.6 | 15 | 1.1 | 325.8 | 4772 | .7 | 18 | 1.3 | 325.2 | 4756 | 575 |
| 600 | 2.6 | 18 | 1.4 | 323.9 | 4408 | 2.7 | 20 | 1.5 | 324.5 | 4424 | 3.8 | 15 | 1.2 | 324.8 | 4428 | 2.9 | 18 | 1.4 | 324.3 | 4413 | 600 |
| 625 | 4.1 | 24 | 1.9 | 323.6 | 4077 | 4.1 | 29 | 2.3 | 324.9 | 4093 | 5.8 | 14 | 1.3 | 323.8 | 4096 | 4.7 | 22 | 1.9 | 324.2 | 4081 | 625 |
| 650 | 4.8 | 52 | 4.3 | 328.1 | 3758 | 5.8 | 32 | 2.8 | 324.7 | 3774 | 7.8 | 14 | 1.4 | 322.8 | 3774 | 6.2 | 30 | 2.8 | 325.0 | 3761 | 650 |
| 675 | 6.9 | 41 | 3.8 | 325.5 | 3449 | 7.9 | 41 | 4.0 | 327.4 | 3464 | 9.7 | 18 | 2.0 | 323.1 | 3462 | 7.6 | 38 | 3.7 | 326.0 | 3451 | 675 |
| 700 | 9.0 | 45 | 4.6 | 327.0 | 3148 | 10.0 | 38 | 4.1 | 326.7 | 3162 | 11.2 | 31 | 3.7 | 327.0 | 3159 | 9.1 | 41 | 4.3 | 326.0 | 3150 | 700 |
| 725 | 10.7 | 36 | 4.0 | 324.0 | 2857 | 12.0 | 29 | 3.5 | 323.9 | 2870 | 12.7 | 23 | 2.9 | 322.8 | 2866 | 10.7 | 37 | 4.1 | 324.3 | 2859 | 725 |
| 750 | 12.4 | 28 | 3.4 | 320.8 | 2574 | 13.2 | 34 | 4.3 | 324.3 | 2585 | 13.9 | 23 | 3.0 | 321.5 | 2581 | 12.3 | 33 | 4.0 | 322.4 | 2575 | 750 |
| 775 | 13.4 | 37 | 4.6 | 322.7 | 2298 | 13.9 | 42 | 5.4 | 325.5 | 2309 | 15.1 | 27 | 3.7 | 321.9 | 2304 | 13.7 | 46 | 5.8 | 326.4 | 2300 | 775 |
| 800 | 14.4 | 46 | 6.0 | 324.7 | 2030 | 14.9 | 42 | 5.6 | 324.2 | 2041 | 16.3 | 30 | 4.4 | 322.4 | 2035 | 15.1 | 51 | 6.9 | 328.3 | 2031 | 800 |
| 825 | 15.4 | 55 | 7.3 | 326.8 | 1770 | 15.9 | 42 | 5.8 | 322.9 | 1780 | 17.4 | 34 | 5.2 | 323.0 | 1773 | 16.5 | 47 | 6.8 | 326.6 | 1770 | 825 |
| 850 | 15.7 | 71 | 9.4 | 330.0 | 1516 | 16.4 | 64 | 8.8 | 329.2 | 1526 | 18.4 | 41 | 6.4 | 325.0 | 1517 | 17.0 | 62 | 8.9 | 330.3 | 1515 | 850 |
| 875 | 16.0 | 86 | 11.3 | 332.8 | 1269 | 17.5 | 69 | 10.0 | 331.1 | 1278 | 19.3 | 49 | 7.9 | 327.5 | 1268 | 17.2 | 79 | 11.3 | 334.2 | 1267 | 875 |
| 900 | 17.7 | 88 | 12.5 | 335.3 | 1028 | 18.6 | 75 | 11.2 | 333.1 | 1036 | 20.2 | 57 | 9.4 | 330.0 | 1025 | 18.1 | 89 | 13.0 | 337.2 | 1026 | 900 |
| 925 | 19.5 | 87 | 13.6 | 337.9 | 792 | 19.7 | 80 | 12.5 | 335.2 | 800 | 21.1 | 64 | 11.0 | 332.7 | 788 | 19.8 | 88 | 14.0 | 339.3 | 789 | 925 |
| 950 | 21.3 | 87 | 14.8 | 340.6 | 561 | 20.7 | 85 | 13.9 | 337.5 | 569 | 21.9 | 71 | 12.6 | 335.4 | 556 | 21.5 | 87 | 15.0 | 341.4 | 558 | 950 |
| 975 | 22.9 | 87 | 16.0 | 343.3 | 334 | 22.8 | 83 | 15.0 | 340.6 | 343 | 24.0 | 68 | 13.1 | 336.9 | 329 | 23.1 | 87 | 16.0 | 343.6 | 331 | 975 |
| 1000 | 24.5 | 88 | 17.3 | 346.2 | 112 | 25.7 | 76 | 15.9 | 344.1 | 121 | 26.1 | 63 | 13.5 | 338.1 | 106 | 24.6 | 86 | 17.1 | 345.9 | 109 | 1000 |
| SFC. | 25.3 | 88 | 17.9 | 347.7 | 0 | 27.2 | 72 | 16.4 | 345.8 | 0 | 30.7 | 68 | 19.0 | 358.0 | 0 | 25.4 | 86 | 17.6 | 347.0 | 0 | SFC. |
| | SURFACE PRESSURE 1012.8 | | | | | SURFACE PRESSURE 1013.7 | | | | | SUPFACE PRESSURE 1012.0 | | | | | SURFACE PRESSURE 1012.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

CHRISTMAS ISLAND

| | 4/21 1210 GMT | | | | | 4/21 17 0 GMT | | | | | 4/21 20 0 GMT | | | | | 4/21 2237 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -66.9 | 0 | 0.0 | 461.1 | 19444 | -65.4 | 0 | 0.0 | 464.5 | 19600 | -64.9 | 0 | 0.0 | 465.6 | 19515 | -64.8 | 0 | 0.0 | 465.8 | 19583 | 60 |
| 70 | -68.3 | 20 | .0 | 438.4 | 18515 | -66.8 | 0 | 0.0 | 441.4 | 18665 | -71.6 | 0 | 0.0 | 431.3 | 18589 | -67.4 | 24 | .0 | 440.4 | 18648 | 70 |
| 80 | -74.7 | 20 | .0 | 408.7 | 17726 | -69.8 | 18 | .0 | 418.9 | 17862 | -75.8 | 0 | 0.0 | 406.4 | 17811 | -73.2 | 24 | .0 | 411.9 | 17852 | 80 |
| 90 | -76.9 | 21 | .0 | 390.9 | 17045 | -74.8 | 18 | .0 | 395.0 | 17169 | -78.6 | 0 | 0.0 | 387.3 | 17135 | -78.5 | 25 | .0 | 387.6 | 17172 | 90 |
| 100 | -78.8 | 21 | .0 | 375.5 | 16443 | -76.7 | 18 | .0 | 379.6 | 16563 | -79.3 | 18 | .0 | 374.5 | 16538 | -77.9 | 25 | .0 | 377.2 | 16570 | 100 |
| 110 | -78.3 | 21 | .0 | 366.4 | 15899 | -74.8 | 18 | .0 | 372.9 | 16012 | -77.3 | 18 | .0 | 368.3 | 15994 | -75.7 | 24 | .0 | 371.2 | 16022 | 110 |
| 120 | -76.1 | 21 | .0 | 361.4 | 15401 | -73.1 | 18 | .0 | 366.8 | 155 4 | -75.4 | 18 | .0 | 362.7 | 15492 | -73.7 | 24 | .0 | 365.8 | 15516 | 120 |
| 130 | -75.0 | 21 | .0 | 355.2 | 14937 | -71.6 | 18 | .0 | 361.3 | 15034 | -72.8 | 18 | .0 | 359.2 | 15026 | -71.1 | 24 | .0 | 362.3 | 15046 | 130 |
| 140 | -73.5 | 21 | .0 | 350.4 | 14506 | -70.1 | 18 | .0 | 356.3 | 14594 | -69.7 | 18 | .0 | 357.0 | 14588 | -68.6 | 24 | .0 | 359.0 | 14604 | 140 |
| 150 | -70.2 | 21 | .0 | 349.2 | 14099 | -67.7 | 18 | .0 | 353.5 | 14182 | -67.1 | 18 | .0 | 354.6 | 14174 | -65.5 | 24 | .0 | 357.3 | 14188 | 150 |
| 160 | -67.1 | 21 | .0 | 348.1 | 13713 | -65.0 | 18 | .0 | 351.6 | 13791 | -64.9 | 18 | .0 | 351.8 | 13782 | -63.1 | 24 | .0 | 354.8 | 13793 | 160 |
| 170 | -64.1 | 21 | .0 | 347.0 | 13344 | -62.4 | 18 | .0 | 349.8 | 13419 | -62.6 | 18 | .0 | 349.6 | 13411 | -62.6 | 24 | .0 | 349.5 | 13420 | 170 |
| 180 | -61.5 | 21 | .0 | 345.7 | 12992 | -60.0 | 18 | .0 | 348.1 | 13065 | -60.4 | 18 | .0 | 347.5 | 13056 | -59.9 | 24 | .0 | 348.3 | 13065 | 180 |
| 190 | -59.0 | 20 | .0 | 344.4 | 12655 | -57.5 | 18 | .0 | 346.9 | 12725 | -57.9 | 18 | .0 | 346.2 | 12718 | -57.4 | 24 | .0 | 347.0 | 12725 | 190 |
| 200 | -56.6 | 20 | .0 | 343.2 | 12331 | -55.0 | 17 | .0 | 345.7 | 12399 | -55.4 | 17 | .0 | 345.1 | 12392 | -55.0 | 23 | .0 | 345.8 | 12400 | 200 |
| 225 | -50.5 | 19 | .0 | 341.3 | 11574 | -49.4 | 16 | .0 | 342.9 | 11637 | -49.7 | 16 | .0 | 342.5 | 11631 | -49.4 | 23 | .0 | 342.9 | 11637 | 225 |
| 250 | -45.0 | 18 | .1 | 339.5 | 10878 | -43.4 | 15 | .1 | 341.8 | 10938 | -43.6 | 16 | .1 | 341.5 | 10933 | -43.6 | 22 | .1 | 341.6 | 10939 | 250 |
| 275 | -39.5 | 17 | .1 | 338.3 | 10234 | -37.9 | 15 | .1 | 340.7 | 10289 | -38.0 | 15 | .1 | 340.5 | 10284 | -37.8 | 21 | .1 | 340.9 | 10290 | 275 |
| 300 | -34.3 | 15 | .1 | 337.5 | 9632 | -32.9 | 14 | .1 | 339.5 | 9683 | -32.9 | 15 | .1 | 339.5 | 9678 | -32.6 | 21 | .2 | 340.2 | 9683 | 300 |
| 325 | -29.5 | 14 | .1 | 336.7 | 9067 | -28.3 | 13 | .2 | 338.4 | 9114 | -28.3 | 14 | .2 | 338.4 | 9110 | -27.7 | 20 | .2 | 339.5 | 9114 | 325 |
| 350 | -25.2 | 14 | .2 | 335.5 | 8533 | -24.0 | 13 | .2 | 337.2 | 8578 | -24.0 | 14 | .2 | 337.4 | 8573 | -23.2 | 19 | .3 | 338.7 | 8576 | 350 |
| 375 | -21.5 | 15 | .3 | 334.2 | 8028 | -20.0 | 12 | .3 | 336.1 | 8071 | -20.5 | 14 | .3 | 335.6 | 8066 | -19.8 | 19 | .4 | 337.0 | 8067 | 375 |
| 400 | -18.0 | 15 | .3 | 333.0 | 7549 | -16.3 | 12 | .3 | 335.1 | 7589 | -17.4 | 14 | .3 | 333.7 | 7586 | -16.7 | 19 | .5 | 335.2 | 7586 | 400 |
| 425 | -16.0 | 18 | .5 | 330.2 | 7094 | -13.9 | 13 | .4 | 332.7 | 7130 | -14.0 | 14 | .4 | 332.6 | 7129 | -13.0 | 19 | .6 | 334.6 | 7127 | 425 |
| 450 | -12.9 | 17 | .5 | 329.0 | 6662 | -11.6 | 14 | .5 | 330.5 | 6694 | -12.2 | 16 | .5 | 329.8 | 6693 | -11.3 | 20 | .7 | 331.8 | 6690 | 450 |
| 475 | -9.4 | 14 | .6 | 328.4 | 6247 | -8.3 | 13 | .6 | 329.8 | 6278 | -9.4 | 16 | .6 | 328.6 | 6278 | -8.5 | 19 | .8 | 330.5 | 6273 | 475 |
| 500 | -7.0 | 15 | .7 | 326.9 | 5848 | -5.8 | 13 | .6 | 328.3 | 5878 | -6.4 | 15 | .7 | 327.9 | 5879 | -5.5 | 18 | .9 | 329.7 | 5873 | 500 |
| 525 | -4.7 | 15 | .8 | 325.6 | 5466 | -3.5 | 13 | .7 | 326.9 | 5494 | -4.2 | 15 | .8 | 326.3 | 5496 | -3.3 | 19 | 1.1 | 328.4 | 5488 | 525 |
| 550 | -2.5 | 16 | .9 | 324.3 | 5099 | -1.2 | 13 | .8 | 325.6 | 5125 | -2.5 | 16 | .9 | 324.4 | 5128 | -1.1 | 19 | 1.2 | 327.1 | 5119 | 550 |
| 575 | -.4 | 16 | 1.0 | 323.2 | 4745 | .9 | 13 | .9 | 324.3 | 4769 | .8 | 17 | 1.2 | 325.1 | 4773 | .9 | 20 | 1.4 | 325.9 | 4763 | 575 |
| 600 | 1.6 | 17 | 1.2 | 322.1 | 4404 | 2.9 | 16 | 1.2 | 323.8 | 4426 | 2.8 | 20 | 1.6 | 324.7 | 4430 | 2.8 | 20 | 1.6 | 324.9 | 4420 | 600 |
| 625 | 2.9 | 33 | 2.5 | 323.9 | 4074 | 4.8 | 20 | 1.7 | 323.7 | 4095 | 4.7 | 24 | 2.0 | 324.6 | 4099 | 4.7 | 21 | 1.8 | 323.9 | 4089 | 625 |
| 650 | 4.5 | 44 | 3.5 | 325.4 | 3755 | 6.2 | 39 | 3.6 | 327.5 | 3774 | 6.5 | 27 | 2.5 | 324.6 | 3778 | 6.7 | 31 | 2.9 | 326.0 | 3768 | 650 |
| 675 | 6.7 | 41 | 3.7 | 325.0 | 3447 | 8.6 | 35 | 3.6 | 326.9 | 3463 | 8.3 | 30 | 3.0 | 324.7 | 3468 | 8.7 | 33 | 3.4 | 326.5 | 3457 | 675 |
| 700 | 8.9 | 50 | 5.1 | 328.4 | 3147 | 10.6 | 26 | 3.0 | 323.9 | 3162 | 10.3 | 27 | 3.0 | 323.7 | 3166 | 10.8 | 28 | 3.2 | 324.9 | 3155 | 700 |
| 725 | 11.0 | 30 | 3.4 | 322.4 | 2855 | 12.4 | 19 | 2.4 | 321.0 | 2869 | 12.3 | 21 | 2.6 | 321.6 | 2873 | 12.8 | 23 | 2.9 | 323.0 | 2862 | 725 |
| 750 | 12.8 | 24 | 2.9 | 319.8 | 2571 | 14.0 | 17 | 2.3 | 319.3 | 2584 | 13.7 | 23 | 3.1 | 321.4 | 2589 | 14.1 | 25 | 3.4 | 322.7 | 2577 | 750 |
| 775 | 13.8 | 42 | 5.3 | 325.1 | 2296 | 15.3 | 23 | 3.3 | 320.8 | 2307 | 15.2 | 25 | 3.5 | 321.4 | 2312 | 15.0 | 31 | 4.3 | 323.5 | 2300 | 775 |
| 800 | 14.9 | 43 | 5.8 | 324.7 | 2027 | 16.5 | 30 | 4.3 | 322.4 | 2038 | 16.6 | 27 | 4.0 | 321.5 | 2043 | 15.9 | 37 | 5.2 | 324.3 | 2031 | 800 |
| 825 | 16.0 | 44 | 6.0 | 323.8 | 1766 | 17.7 | 36 | 5.5 | 324.2 | 1775 | 17.9 | 29 | 4.5 | 321.7 | 1780 | 16.8 | 43 | 6.2 | 325.2 | 1769 | 825 |
| 850 | 17.0 | 45 | 6.5 | 323.5 | 1512 | 18.3 | 52 | 8.1 | 329.5 | 1520 | 18.4 | 39 | 6.1 | 324.1 | 1525 | 17.2 | 56 | 8.1 | 328.3 | 1514 | 850 |
| 875 | 17.5 | 76 | 11.1 | 334.1 | 1264 | 18.4 | 78 | 11.9 | 337.4 | 1271 | 18.9 | 51 | 8.0 | 327.2 | 1276 | 18.8 | 57 | 8.9 | 329.6 | 1266 | 875 |
| 900 | 18.3 | 85 | 12.6 | 336.4 | 1023 | 19.6 | 80 | 12.9 | 338.9 | 1028 | 20.0 | 57 | 9.3 | 329.3 | 1033 | 20.4 | 58 | 9.7 | 331.0 | 1023 | 900 |
| 925 | 19.2 | 90 | 13.7 | 337.7 | 786 | 21.0 | 77 | 13.1 | 338.4 | 791 | 21.1 | 62 | 10.6 | 331.6 | 796 | 21.9 | 59 | 10.5 | 332.4 | 785 | 925 |
| 950 | 20.0 | 95 | 14.8 | 339.1 | 556 | 22.4 | 73 | 13.2 | 337.8 | 558 | 22.1 | 67 | 12.0 | 334.0 | 564 | 22.7 | 63 | 11.5 | 333.4 | 553 | 950 |
| 975 | 21.7 | 94 | 15.9 | 341.6 | 330 | 24.2 | 78 | 15.4 | 343.5 | 331 | 23.4 | 73 | 13.7 | 337.8 | 338 | 23.1 | 67 | 12.4 | 333.9 | 326 | 975 |
| 1000 | 24.2 | 88 | 16.9 | 344.9 | 109 | 26.0 | 83 | 17.8 | 349.7 | 108 | 27.0 | 81 | 18.5 | 352.8 | 114 | 25.0 | 63 | 12.8 | 334.7 | 104 | 1000 |
| SFC. | 25.4 | 85 | 17.4 | 346.5 | 0 | 26.9 | 85 | 19.1 | 353.0 | 0 | 28.8 | 85 | 21.4 | 361.8 | 0 | 29.0 | 67 | 16.9 | 350.0 | 0 | SFC. |
| | SURFACE PRESSURE 1012.4 | | | | | SURFACE PRESSURE 1012.2 | | | | | SURFACE PRESSURE 1012.9 | | | | | SURFACE PRESSURE 1011.8 | | | | | |

APPENDIX B: THERMODYNAMIC DATA BELOW 60 mb (*USC&GSS SURVEYOR*)

Day-to-day Positions of the *Surveyor* . . . . . .
Thermodynamic Data . . . . . .

*** POSITION LINE ISLANDS EXPERIMENT HOURLY OBSERVATIONS ***

STATION NO. 9WTES SHIP SURVEYOR FEB 1967

LATITUDE (DEGREES & TENTHS )

| DAY | LOCAL HOUR 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | | | | | | | | 90 | 89 | 86 | 84 | 81 | 79 | 79 | 76 | 74 | 73 | 70 | 69 | 66 | 64 | 61 | 60 | 59 |
| 17 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 58 | 58 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 18 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 19 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 20 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 58 | 59 | 60 | 60 | 60 | 60 | 60 |
| 21 | 60 | 58 | 58 | 56 | 55 | 53 | 53 | 53 | 51 | 50 | 49 | 48 | 47 | 46 | 47 | 47 | 48 | 48 | 48 | 47 | 46 | 45 | 43 | 43 |
| 22 | 42 | 40 | 39 | 39 | 38 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 23 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 24 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 40 | 40 | 40 | 38 | 37 | 37 | 36 |
| 25 | 36 | 35 | 35 | 34 | 34 | 33 | 33 | 32 | 31 | 31 | 31 | 31 | 30 | 29 | 28 | 27 | 26 | 24 | 23 | 20 | 19 | 17 | 16 | 15 |
| 26 | 13 | 13 | 10 | 8 | 7 | 6 | 5 | 4 | 2 | 1 | 0 | -1 | -2 | -4 | -5 | -6 | -9 | -10 | -11 | -13 | -15 | -16 | -18 | -19 |
| 27 | -20 | -22 | -23 | -26 | -27 | -28 | -30 | -30 | -30 | -30 | -30 | -30 | -29 | -28 | -25 | -23 | -20 | -19 | -18 | -15 | -13 | -10 | -9 | -7 |
| 28 | -5 | -3 | -3 | -4 | -5 | -6 | -6 | -9 | -12 | -14 | -15 | -14 | -13 | -10 | -9 | -6 | -5 | -3 | -1 | 0 | 1 | 3 | 4 | 5 |

NEGATIVE SIGN = SOUTH LATITUDE



*** POSITION LINE ISLANDS EXPERIMENT HOURLY OBSERVATIONS ***

STATION NO. 9WTES SHIP SURVEYOR FEB 1967

WEST LONGITUDE (DEGREES & TENTHS + 100)

| DAY | LOCAL HOUR 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | | | | | | | | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 578 | 578 | 578 | 578 | 579 |
| 17 | 581 | 584 | 586 | 589 | 591 | 594 | 596 | 598 | 601 | 603 | 606 | 611 | 612 | 615 | 616 | 618 | 620 | 623 | 623 | 623 | 623 | 623 | 623 | 622 |
| 18 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 621 | 621 | 621 | 621 | 621 |
| 19 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 620 | 620 | 620 | 620 | 620 | 620 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 |
| 20 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 623 | 625 | 625 | 625 | 624 | 622 | 620 | 618 |
| 21 | 618 | 618 | 618 | 618 | 614 | 613 | 613 | 611 | 610 | 607 | 607 | 607 | 607 | 607 | 605 | 605 | 603 | 602 | 602 | 602 | 602 | 600 | 599 | 599 |
| 22 | 598 | 597 | 597 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 |
| 23 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 |
| 24 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 590 | 590 | 590 | 590 | 589 | 587 | 585 |
| 25 | 583 | 581 | 579 | 577 | 575 | 572 | 572 | 570 | 568 | 566 | 564 | 562 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 |
| 26 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 561 | 561 | 561 | 561 | 561 |
| 27 | 561 | 561 | 561 | 564 | 564 | 564 | 564 | 564 | 565 | 566 | 570 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 576 | 578 | 579 | 580 | 581 | 582 |
| 28 | 584 | 585 | 585 | 584 | 583 | 582 | 581 | 579 | 577 | 576 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |

*** POSITION — LINE ISLANDS EXPERIMENT — HOURLY OBSERVATIONS ***

STATION NO. 9WTES SHIP SURVEYOR MAR 1967

LATITUDE (DEGREES & TENTHS)

| DAY | LOCAL HOUR 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8 | 9 | 10 | 11 | 13 | 15 | 17 | 18 | 18 | 19 | 19 | 19 | 19 | 18 | 19 | 19 | 19 | 20 | 20 | 25 | 28 | 30 | 32 | 35 |
| 2 | 37 | 39 | 42 | 44 | 46 | 49 | 52 | 53 | 54 | 57 | 60 | 62 | 63 | 65 | 65 | 65 | 65 | 67 | 67 | 70 | 72 | 75 | 77 | 79 |
| 3 | 81 | 83 | 86 | 88 | 90 | 91 | 93 | 96 | 98 | 100 | 101 | 104 | 108 | 111 | 113 | 115 | 118 | 120 | 122 | 125 | 128 | 130 | 132 | 134 |
| 4 | 137 | 139 | 141 | 144 | 146 | 148 | 151 | 154 | 157 | 159 | 162 | 164 | 166 | 168 | 171 | 173 | 175 | 177 | 180 | 182 | 184 | 187 | 189 | M |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | 178 | 175 | 173 | 171 | 169 | 166 | 165 | 163 | 159 | 155 | 153 | 150 | 149 | 148 | 145 | 143 | 140 | 138 |
| 12 | 135 | 133 | 130 | 128 | 126 | 124 | 122 | 119 | 117 | 114 | 111 | 108 | 106 | 104 | 101 | 98 | 96 | 94 | 92 | 88 | 86 | 84 | 82 | 79 |
| 13 | 77 | 75 | 73 | 70 | 68 | 66 | 65 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 62 | 62 | 62 | 62 | 63 |
| 14 | 63 | 63 | 63 | 64 | 64 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 15 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 16 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 17 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 18 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 19 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 20 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 21 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 22 | 64 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 |
| 24 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 25 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 62 | 59 | 57 | 55 |
| 26 | 53 | 51 | 49 | 47 | 45 | 43 | 41 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 42 | 43 | 44 | 45 | 47 | 49 | 50 |
| 27 | 51 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 61 | 61 | 61 | 61 |
| 28 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 63 | 65 | 67 | 70 | 72 | M | 78 | 80 | 83 | 85 | 88 |
| 29 | 90 | 93 | 96 | 98 | 99 | 101 | 104 | 106 | 108 | 111 | 112 | 114 | 116 | 119 | 123 | 126 | 129 | 131 | 133 | 134 | 137 | 139 | 141 | 144 |
| 30 | 146 | 148 | 151 | 153 | 156 | 158 | 160 | 164 | 166 | 168 | | | | | | | | | | | | | | |

NEGATIVE SIGN = SOUTH LATITUDE

*** POSITION LINE ISLANDS EXPERIMENT HOURLY OBSERVATIONS ***

STATION NO. 9WTES SHIP SURVEYOR MAR 1967

WEST LONGITUDE (DEGREES & TENTHS + 100)

| DAY | LOCAL HOUR | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 575 | 575 | 575 | 575 | 575 | 575 | 576 | 576 | 577 | 578 | 578 | 578 | 578 | 578 | 575 | 577 | 579 | 579 | 575 | 576 | 576 | 577 | 577 | 577 |
| 2 | 578 | 578 | 578 | 578 | 578 | 579 | 579 | 580 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 582 | 582 | 580 | 580 | 580 | 580 | 580 |
| 3 | 580 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 582 | 582 | 582 | 582 | 582 |
| 4 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 583 | 584 | 584 | 584 | 584 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 584 | 584 | 584 |
| 12 | 584 | 584 | 584 | 584 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 582 | 582 | 582 | 582 | 582 |
| 13 | 582 | 582 | 582 | 582 | 581 | 580 | 580 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 577 | 577 | 577 | 577 | 577 |
| 14 | 577 | 578 | 578 | 578 | 579 | 579 | 579 | 579 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 15 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 579 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 16 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 17 | 580 | 580 | 579 | 579 | 579 | 579 | 579 | 579 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 18 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 19 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 20 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 21 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 22 | 579 | 579 | 579 | 579 | 579 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 23 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 24 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 25 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 580 | 581 | 583 | 584 |
| 26 | 585 | 587 | 588 | 590 | 591 | 592 | 594 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 597 | 602 | 604 | 607 | 608 | 610 |
| 27 | 612 | 614 | 616 | 618 | 619 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 622 | 619 | 616 | 614 |
| 28 | 612 | 609 | 607 | 605 | 602 | 600 | 598 | 595 | 593 | 591 | 588 | 585 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 |
| 29 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 |
| 30 | 583 | 584 | 584 | 583 | 583 | 583 | 583 | 583 | 584 | 584 | | | | | | | | | | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 2/16 030 GMT T | RH | W | EPT | H | 2/16 1158 GMT T | RH | W | EPT | H | 2/16 2328 GMT T | RH | W | EPT | H | 2/17 11 0 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.4 | 0 | 0.0 | 417.4 | 17777 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.6 | 0 | 0.0 | 395.3 | 17085 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.8 | 0 | 0.0 | 387.1 | 16472 | -74.0 | 0 | 0.0 | 384.8 | 16420 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.8 | 0 | 0.0 | 380.4 | 15910 | -71.9 | 0 | 0.0 | 378.3 | 15861 | 110 |
| 120 | -67.9 | 0 | 0.0 | 376.4 | 15397 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.1 | 0 | 0.0 | 374.3 | 15393 | -70.0 | 0 | 0.0 | 372.5 | 15346 | 120 |
| 130 | -66.0 | 0 | 0.0 | 371.3 | 14913 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 0 | 0.0 | 368.7 | 14912 | -68.3 | 0 | 0.0 | 367.2 | 14868 | 130 |
| 140 | -64.3 | 0 | 0.0 | 366.6 | 14462 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.2 | 0 | 0.0 | 363.2 | 14464 | -69.6 | 0 | 0.0 | 357.1 | 14423 | 140 |
| 150 | -62.6 | 0 | 0.0 | 362.2 | 14038 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.2 | 0 | 0.0 | 356.1 | 14046 | -68.3 | 0 | 0.0 | 352.4 | 14011 | 150 |
| 160 | -62.8 | 0 | 0.0 | 355.2 | 13639 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.0 | 0 | 0.0 | 350.0 | 13655 | -66.4 | 0 | 0.0 | 349.3 | 13622 | 160 |
| 170 | -65.5 | 0 | 0.0 | 344.7 | 13268 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.6 | 0 | 0.0 | 347.8 | 13285 | -64.5 | 0 | 0.0 | 346.3 | 13253 | 170 |
| 180 | -64.3 | 0 | 0.0 | 341.1 | 12921 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.4 | 0 | 0.0 | 345.8 | 12932 | -61.9 | 0 | 0.0 | 345.0 | 12902 | 180 |
| 190 | -61.5 | 0 | 0.0 | 340.3 | 12588 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.3 | 0 | 0.0 | 343.9 | 12595 | -59.0 | 0 | 0.0 | 344.4 | 12565 | 190 |
| 200 | -58.9 | 0 | 0.0 | 339.5 | 12268 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.3 | 0 | 0.0 | 342.0 | 12273 | -56.3 | 0 | 0.0 | 343.7 | 12241 | 200 |
| 225 | -52.8 | 0 | 0.0 | 337.6 | 11518 | 0.0 | 0 | 0.0 | 0.0 | 0 | -51.5 | 0 | 0.0 | 339.6 | 11519 | -50.0 | 0 | 0.0 | 341.9 | 11482 | 225 |
| 250 | -46.2 | 0 | 0.0 | 337.4 | 10828 | 0.0 | 0 | 0.0 | 0.0 | 0 | -45.6 | 0 | 0.0 | 338.2 | 10826 | -45.9 | 0 | 0.0 | 337.9 | 10786 | 250 |
| 275 | -40.2 | 0 | 0.0 | 337.0 | 10187 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.1 | 0 | 0.0 | 335.6 | 10185 | -39.9 | 41 | .2 | 338.2 | 10146 | 275 |
| 300 | -35.6 | 36 | .2 | 336.1 | 9587 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.6 | 18 | .1 | 335.7 | 9587 | -36.8 | 41 | .2 | 334.4 | 9548 | 300 |
| 325 | -31.4 | 39 | .3 | 334.7 | 9025 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.7 | 18 | .2 | 335.1 | 9024 | -33.9 | 42 | .3 | 331.0 | 8990 | 325 |
| 350 | -27.5 | 42 | .5 | 333.5 | 8496 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.2 | 18 | .2 | 334.3 | 8493 | -29.6 | 40 | .4 | 330.3 | 8467 | 350 |
| 375 | -23.8 | 36 | .5 | 332.1 | 7996 | 0.0 | 0 | 0.0 | 0.0 | 0 | -22.1 | 17 | .3 | 333.6 | 7990 | -25.2 | 43 | .6 | 330.4 | 7970 | 375 |
| 400 | -20.3 | 22 | .4 | 330.2 | 7521 | 0.0 | 0 | 0.0 | 0.0 | 0 | -18.2 | 17 | .4 | 332.8 | 7511 | -21.3 | 55 | 1.0 | 330.8 | 7497 | 400 |
| 425 | -16.9 | 23 | .5 | 329.4 | 7069 | 0.0 | 0 | 0.0 | 0.0 | 0 | -15.6 | 21 | .6 | 331.0 | 7056 | -18.3 | 88 | 1.9 | 332.0 | 7047 | 425 |
| 450 | -13.6 | 23 | .7 | 328.6 | 6637 | 0.0 | 0 | 0.0 | 0.0 | 0 | -13.2 | 24 | .7 | 329.3 | 6623 | -16.2 | 98 | 2.4 | 330.9 | 6618 | 450 |
| 475 | -10.6 | 24 | .9 | 328.0 | 6224 | -11.1 | 97 | 3.4 | 335.5 | 6209 | -11.0 | 28 | 1.0 | 327.9 | 6210 | -12.9 | 68 | 2.0 | 328.9 | 6208 | 475 |
| 500 | -9.0 | 25 | 1.0 | 325.5 | 5828 | -9.0 | 98 | 3.8 | 334.5 | 5813 | -8.8 | 31 | 1.2 | 326.6 | 5814 | -9.9 | 47 | 1.7 | 326.7 | 5815 | 500 |
| 525 | -6.2 | 29 | 1.3 | 325.6 | 5448 | -8.6 | 75 | 2.8 | 327.5 | 5434 | -6.2 | 35 | 1.6 | 326.4 | 5434 | -7.4 | 39 | 1.6 | 325.0 | 5436 | 525 |
| 550 | -3.3 | 34 | 1.8 | 326.4 | 5082 | -5.1 | 66 | 3.1 | 328.2 | 5070 | -3.6 | 39 | 2.1 | 326.8 | 5068 | -5.0 | 34 | 1.6 | 323.7 | 5072 | 550 |
| 575 | -1.5 | 48 | 2.8 | 327.5 | 4729 | -1.9 | 59 | 3.4 | 328.8 | 4719 | -1.1 | 43 | 2.6 | 327.3 | 4715 | -2.6 | 40 | 2.2 | 324.2 | 4721 | 575 |
| 600 | .7 | 51 | 3.4 | 328.1 | 4389 | -.5 | 83 | 5.1 | 331.8 | 4379 | 1.3 | 46 | 3.2 | 328.0 | 4374 | -.2 | 45 | 2.8 | 325.0 | 4382 | 600 |
| 625 | 3.4 | 46 | 3.6 | 327.9 | 4059 | 1.9 | 71 | 5.0 | 330.3 | 4050 | 2.7 | 43 | 3.2 | 325.9 | 4044 | 2.0 | 50 | 3.5 | 326.0 | 4054 | 625 |
| 650 | 5.7 | 43 | 3.8 | 327.6 | 3739 | 3.3 | 68 | 5.0 | 328.4 | 3733 | 4.1 | 48 | 3.8 | 325.7 | 3726 | 3.9 | 57 | 4.5 | 327.6 | 3736 | 650 |
| 675 | 7.6 | 42 | 4.1 | 327.4 | 3429 | 4.6 | 65 | 5.1 | 326.6 | 3426 | 5.6 | 55 | 4.7 | 326.5 | 3418 | 4.1 | 85 | 6.5 | 330.1 | 3429 | 675 |
| 700 | 9.5 | 42 | 4.5 | 327.2 | 3128 | 5.7 | 62 | 5.1 | 324.4 | 3128 | 7.2 | 50 | 4.6 | 324.7 | 3119 | 6.3 | 75 | 6.4 | 328.9 | 3131 | 700 |
| 725 | 7.3 | 53 | 4.7 | 321.9 | 2840 | 6.6 | 65 | 5.5 | 323.5 | 2841 | 8.7 | 45 | 4.4 | 322.7 | 2830 | 8.5 | 67 | 6.5 | 328.4 | 2842 | 725 |
| 750 | 10.1 | 80 | 8.3 | 332.5 | 2558 | 10.0 | 99 | 10.2 | 337.6 | 2560 | 10.3 | 42 | 4.4 | 321.3 | 2548 | 10.8 | 64 | 6.9 | 329.2 | 2560 | 750 |
| 775 | 11.2 | 76 | 8.3 | 330.5 | 2284 | 11.3 | 99 | 10.8 | 337.8 | 2286 | 12.4 | 40 | 4.7 | 321.7 | 2274 | 13.1 | 60 | 7.3 | 329.9 | 2285 | 775 |
| 800 | 12.9 | 57 | 6.6 | 324.8 | 2018 | 12.6 | 99 | 11.5 | 338.0 | 2019 | 14.5 | 39 | 5.0 | 322.0 | 2007 | 13.0 | 80 | 9.5 | 332.8 | 2017 | 800 |
| 825 | 14.3 | 58 | 7.2 | 325.1 | 1758 | 14.0 | 99 | 12.2 | 338.6 | 1759 | 16.5 | 37 | 5.3 | 322.3 | 1746 | 13.1 | 90 | 10.4 | 332.6 | 1758 | 825 |
| 850 | 15.6 | 64 | 8.4 | 327.2 | 1505 | 15.5 | 99 | 12.9 | 339.5 | 1505 | 18.4 | 36 | 5.6 | 322.6 | 1491 | 14.4 | 88 | 10.7 | 332.2 | 1506 | 850 |
| 875 | 16.9 | 70 | 9.7 | 329.5 | 1258 | 16.9 | 98 | 13.7 | 340.5 | 1258 | 20.3 | 35 | 5.9 | 322.9 | 1242 | 15.9 | 91 | 11.9 | 334.3 | 1259 | 875 |
| 900 | 18.2 | 75 | 11.0 | 331.8 | 1017 | 18.3 | 97 | 14.4 | 341.2 | 1016 | 21.5 | 37 | 6.5 | 323.4 | 999 | 17.4 | 93 | 13.0 | 336.5 | 1018 | 900 |
| 925 | 20.0 | 72 | 11.6 | 332.9 | 781 | 20.0 | 88 | 14.3 | 340.4 | 779 | 21.5 | 44 | 7.7 | 324.1 | 761 | 18.8 | 96 | 14.3 | 338.8 | 783 | 925 |
| 950 | 21.7 | 70 | 12.1 | 334.0 | 550 | 21.6 | 84 | 14.5 | 340.3 | 548 | 21.3 | 56 | 9.4 | 325.9 | 530 | 20.3 | 97 | 15.4 | 341.1 | 552 | 950 |
| 975 | 23.4 | 68 | 12.7 | 335.0 | 323 | 22.8 | 85 | 15.4 | 341.5 | 321 | 23.5 | 64 | 12.1 | 333.4 | 304 | 22.2 | 91 | 16.0 | 342.6 | 326 | 975 |
| 1000 | 24.9 | 73 | 14.7 | 339.7 | 101 | 24.1 | 85 | 16.2 | 342.8 | 99 | 25.7 | 72 | 15.2 | 342.1 | 81 | 24.1 | 86 | 16.6 | 343.8 | 104 | 1000 |
| SFC. | 25.5 | 78 | 16.1 | 343.0 | 0 | 24.6 | 85 | 16.6 | 343.3 | 0 | 26.5 | 75 | 16.4 | 345.5 | 0 | 25.0 | 84 | 16.8 | 344.3 | 0 | SFC. |
| | SURFACE PRESSURE 1011.5 | | | | | SURFACE PRESSURE 1011.3 | | | | | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1011.9 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — SHIP SURVEYOR

| P | 2/17 2310 GMT T | RH | W | EPT | H | 2/18 11 9 GMT T | RH | W | EPT | H | 2/18 23 4 GMT T | RH | W | EPT | H | 2/19 11 6 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.5 | 0 | 0.0 | 464.4 | 19534 | -68.3 | 0 | 0.0 | 458.1 | 19450 | -64.8 | 0 | 0.0 | 465.9 | 19515 | -68.9 | 0 | 0.0 | 456.8 | 19481 | 60 |
| 70 | -69.6 | 0 | 0.0 | 435.6 | 18602 | -71.7 | 0 | 0.0 | 431.1 | 18540 | -69.5 | 0 | 0.0 | 435.7 | 18585 | -73.4 | 0 | 0.0 | 427.3 | 18571 | 70 |
| 80 | -72.9 | 0 | 0.0 | 412.3 | 17816 | -76.0 | 0 | 0.0 | 406.1 | 17760 | -74.4 | 0 | 0.0 | 409.3 | 17793 | -77.0 | 0 | 0.0 | 403.9 | 17792 | 80 |
| 90 | -72.8 | 0 | 0.0 | 398.9 | 17125 | -75.7 | 0 | 0.0 | 393.1 | 17079 | -76.0 | 0 | 0.0 | 392.6 | 17113 | -76.0 | 0 | 0.0 | 392.6 | 17113 | 90 |
| 100 | -72.7 | 0 | 0.0 | 387.3 | 16507 | -75.5 | 0 | 0.0 | 381.9 | 16470 | -75.8 | 0 | 0.0 | 381.3 | 16504 | -78.3 | 0 | 0.0 | 376.5 | 16508 | 100 |
| 110 | -72.6 | 0 | 0.0 | 377.1 | 15947 | -72.4 | 0 | 0.0 | 377.3 | 15914 | -73.6 | 0 | 0.0 | 375.2 | 15950 | -75.5 | 0 | 0.0 | 371.5 | 15960 | 110 |
| 120 | -71.4 | 0 | 0.0 | 369.9 | 15435 | -71.1 | 0 | 0.0 | 370.6 | 15400 | -71.5 | 0 | 0.0 | 369.7 | 15439 | -73.0 | 0 | 0.0 | 367.1 | 15453 | 120 |
| 130 | -68.1 | 0 | 0.0 | 367.5 | 14959 | -70.7 | 0 | 0.0 | 362.8 | 14926 | -69.4 | 0 | 0.0 | 365.3 | 14964 | -69.2 | 0 | 0.0 | 365.6 | 14980 | 130 |
| 140 | -65.0 | 0 | 0.0 | 365.3 | 14510 | -69.6 | 0 | 0.0 | 357.3 | 14486 | -66.9 | 0 | 0.0 | 362.0 | 14519 | -65.7 | 0 | 0.0 | 364.1 | 14533 | 140 |
| 150 | -63.8 | 0 | 0.0 | 360.2 | 14088 | -67.9 | 0 | 0.0 | 353.1 | 14073 | -64.6 | 0 | 0.0 | 358.8 | 14100 | -62.4 | 0 | 0.0 | 362.7 | 14111 | 150 |
| 160 | -63.0 | 0 | 0.0 | 354.9 | 13692 | -66.2 | 0 | 0.0 | 349.5 | 13683 | -62.4 | 0 | 0.0 | 355.9 | 13704 | -59.3 | 0 | 0.0 | 361.2 | 13709 | 160 |
| 170 | -62.4 | 0 | 0.0 | 349.9 | 13318 | -63.5 | 0 | 0.0 | 348.1 | 13313 | -60.4 | 0 | 0.0 | 353.1 | 13328 | -56.4 | 0 | 0.0 | 359.8 | 13327 | 170 |
| 180 | -60.3 | 0 | 0.0 | 347.6 | 12964 | -60.8 | 0 | 0.0 | 346.7 | 12960 | -58.5 | 0 | 0.0 | 350.5 | 12970 | -54.5 | 0 | 0.0 | 357.2 | 12963 | 180 |
| 190 | -57.5 | 0 | 0.0 | 346.8 | 12625 | -58.4 | 0 | 0.0 | 345.4 | 12622 | -56.7 | 0 | 0.0 | 348.1 | 12629 | -52.6 | 0 | 0.0 | 354.6 | 12615 | 190 |
| 200 | -54.8 | 0 | 0.0 | 346.1 | 12299 | -56.0 | 0 | 0.0 | 344.0 | 12298 | -54.8 | 0 | 0.0 | 346.1 | 12302 | -50.9 | 0 | 0.0 | 352.2 | 12282 | 200 |
| 225 | -48.5 | 0 | 0.0 | 344.1 | 11534 | -50.7 | 0 | 0.0 | 340.9 | 11540 | -49.1 | 0 | 0.0 | 343.3 | 11539 | -46.8 | 0 | 0.0 | 346.7 | 11509 | 225 |
| 250 | -43.0 | 0 | 0.0 | 342.2 | 10833 | -45.6 | 0 | 0.0 | 338.3 | 10846 | -44.1 | 0 | 0.0 | 340.5 | 10840 | -46.1 | 0 | 0.0 | 337.5 | 10808 | 250 |
| 275 | -40.0 | 22 | .1 | 337.7 | 10184 | -39.8 | 53 | .2 | 338.5 | 10202 | -39.7 | 29 | .1 | 338.2 | 10195 | -42.2 | 0 | 0.0 | 334.1 | 10169 | 275 |
| 300 | -36.3 | 27 | .2 | 334.8 | 9587 | -35.6 | 48 | .3 | 336.3 | 9602 | -35.2 | 30 | .2 | 336.5 | 9594 | -37.7 | M | M | M | 9575 | 300 |
| 325 | -32.1 | 31 | .2 | 333.5 | 9026 | -31.2 | 60 | .5 | 335.7 | 9040 | -31.1 | 30 | .3 | 334.9 | 9031 | -32.6 | M | M | M | 9017 | 325 |
| 350 | -28.1 | 35 | .4 | 332.3 | 8499 | -27.2 | 60 | .7 | 334.7 | 8511 | -27.2 | 31 | .4 | 333.5 | 8502 | -28.3 | M | M | M | 8491 | 350 |
| 375 | -24.3 | 33 | .5 | 331.2 | 8000 | -23.6 | 47 | .7 | 333.0 | 8010 | -23.6 | 31 | .5 | 332.1 | 8001 | -24.4 | M | M | M | 7992 | 375 |
| 400 | -20.7 | 31 | .6 | 330.2 | 7526 | -20.3 | 47 | .9 | 331.9 | 7535 | -20.3 | 32 | .6 | 330.9 | 7526 | -20.6 | M | M | M | 7518 | 400 |
| 425 | -17.3 | 29 | .7 | 329.2 | 7075 | -17.1 | 44 | 1.0 | 330.8 | 7083 | -16.6 | 27 | .7 | 330.2 | 7074 | -17.1 | M | M | M | 7067 | 425 |
| 450 | -13.4 | 31 | .9 | 329.7 | 6643 | -13.9 | 60 | 1.7 | 331.9 | 6651 | -13.1 | 23 | .7 | 329.4 | 6641 | -13.8 | M | M | M | 6635 | 450 |
| 475 | -9.5 | 33 | 1.3 | 330.8 | 6228 | -11.2 | 61 | 2.1 | 331.3 | 6238 | -9.9 | 21 | .8 | 328.6 | 6227 | -10.6 | M | M | M | 6222 | 475 |
| 500 | -7.8 | 40 | 1.7 | 329.4 | 5830 | -8.7 | 71 | 2.8 | 331.9 | 5842 | -7.4 | 31 | 1.4 | 328.8 | 5829 | -7.6 | M | M | M | 5826 | 500 |
| 525 | -5.3 | 41 | 2.0 | 328.8 | 5449 | -6.3 | 80 | 3.7 | 332.9 | 5462 | -5.1 | 41 | 2.1 | 329.3 | 5447 | -5.0 | M | M | M | 5444 | 525 |
| 550 | -3.0 | 41 | 2.3 | 328.3 | 5082 | -5.0 | 82 | 3.9 | 330.9 | 5096 | -2.8 | 50 | 2.8 | 330.1 | 5080 | -2.7 | M | M | M | 5077 | 550 |
| 575 | -.7 | 42 | 2.6 | 327.8 | 4728 | -2.2 | 74 | 4.2 | 330.7 | 4745 | -.4 | 48 | 3.1 | 329.8 | 4726 | -.5 | M | M | M | 4724 | 575 |
| 600 | 1.4 | 42 | 3.0 | 327.5 | 4387 | .5 | 65 | 4.3 | 330.5 | 4404 | 1.9 | 47 | 3.4 | 329.6 | 4384 | 1.5 | M | M | M | 4383 | 600 |
| 625 | 3.5 | 43 | 3.3 | 327.3 | 4057 | 2.9 | 59 | 4.5 | 330.1 | 4075 | 4.1 | 46 | 3.8 | 329.3 | 4053 | 3.5 | M | M | M | 4053 | 625 |
| 650 | 5.4 | 43 | 3.7 | 327.1 | 3737 | 5.0 | 56 | 4.8 | 329.7 | 3756 | 6.0 | 45 | 4.1 | 328.8 | 3733 | 5.4 | M | M | M | 3734 | 650 |
| 675 | 7.3 | 44 | 4.1 | 327.1 | 3427 | 7.1 | 54 | 5.0 | 329.3 | 3446 | 7.5 | 45 | 4.4 | 328.0 | 3422 | 7.2 | M | M | M | 3426 | 675 |
| 700 | 9.2 | 44 | 4.6 | 327.1 | 3127 | 9.0 | 51 | 5.2 | 328.8 | 3146 | 9.0 | 46 | 4.7 | 327.2 | 3122 | 9.0 | M | M | M | 3126 | 700 |
| 725 | 9.6 | 50 | 5.2 | 326.1 | 2835 | 10.9 | 48 | 5.4 | 328.3 | 2854 | 10.4 | 46 | 5.0 | 326.5 | 2830 | 10.7 | M | M | M | 2835 | 725 |
| 750 | 10.0 | 57 | 5.9 | 325.3 | 2554 | 12.7 | 46 | 5.6 | 327.8 | 2570 | 11.8 | 46 | 5.3 | 325.8 | 2547 | 12.3 | M | M | M | 2553 | 750 |
| 775 | 13.0 | 70 | 8.5 | 333.2 | 2279 | 14.1 | 51 | 6.6 | 329.2 | 2294 | 13.0 | 54 | 6.6 | 327.7 | 2272 | 13.7 | M | M | M | 2278 | 775 |
| 800 | 14.4 | 66 | 8.5 | 331.9 | 2011 | 14.6 | 71 | 9.4 | 334.7 | 2025 | 14.2 | 63 | 8.0 | 330.3 | 2004 | 15.1 | M | M | M | 2010 | 800 |
| 825 | 15.8 | 63 | 8.7 | 331.2 | 1749 | 15.6 | 83 | 11.3 | 338.2 | 1764 | 15.3 | 72 | 9.6 | 333.0 | 1743 | 16.5 | M | M | M | 1750 | 825 |
| 850 | 17.2 | 65 | 9.4 | 331.8 | 1495 | 16.9 | 87 | 12.5 | 340.1 | 1509 | 16.5 | 69 | 9.7 | 331.8 | 1489 | 17.8 | M | M | M | 1496 | 850 |
| 875 | 18.4 | 66 | 10.1 | 332.5 | 1246 | 18.2 | 90 | 13.7 | 342.2 | 1260 | 17.7 | 67 | 9.7 | 330.5 | 1241 | 19.0 | M | M | M | 1249 | 875 |
| 900 | 19.7 | 67 | 10.8 | 333.2 | 1004 | 20.0 | 81 | 13.4 | 340.6 | 1017 | 19.1 | 71 | 11.1 | 333.2 | 999 | 20.3 | M | M | M | 1007 | 900 |
| 925 | 20.9 | 68 | 11.5 | 334.0 | 767 | 21.5 | 75 | 13.2 | 339.3 | 780 | 20.5 | 78 | 12.9 | 337.1 | 763 | 21.5 | M | M | M | 771 | 925 |
| 950 | 22.1 | 69 | 12.3 | 334.8 | 535 | 22.1 | 88 | 15.7 | 344.2 | 547 | 22.0 | 81 | 14.3 | 340.2 | 531 | 22.8 | M | M | M | 541 | 950 |
| 975 | 23.2 | 70 | 13.0 | 335.7 | 308 | 23.8 | 85 | 16.3 | 345.5 | 320 | 23.8 | 73 | 14.1 | 339.3 | 304 | 24.1 | M | M | M | 314 | 975 |
| 1000 | 24.8 | 79 | 15.7 | 342.2 | 86 | 25.5 | 81 | 16.9 | 346.6 | 97 | 25.6 | 77 | 16.1 | 344.5 | 81 | 25.5 | M | M | M | 91 | 1000 |
| SFC. | 25.7 | 88 | 18.4 | 349.9 | 0 | 26.2 | 80 | 17.2 | 347.1 | 0 | 26.2 | 83 | 17.9 | 349.2 | 0 | 26.0 | 84 | 17.9 | 348.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.8 | SURFACE PRESSURE | | | | 1011.0 | SURFACE PRESSURE | | | | 1009.2 | SURFACE PRESSURE | | | | 1010.4 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 2/19 2310 GMT T | RH | W | EPT | H | 2/20 11 3 GMT T | RH | W | EPT | H | 2/20 2312 GMT T | RH | W | EPT | H | 2/21 1111 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.9 | 0 | 0.0 | 465.8 | 19543 | -66.1 | 0 | 0.0 | 462.9 | 19404 | -65.1 | 0 | 0.0 | 465.2 | 19524 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -71.6 | 0 | 0.0 | 431.3 | 18618 | -74.4 | 0 | 0.0 | 425.3 | 18488 | -72.4 | 0 | 0.0 | 429.6 | 18606 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -77.4 | 0 | 0.0 | 403.1 | 17841 | -81.5 | 0 | 0.0 | 394.7 | 17724 | -74.9 | 0 | 0.0 | 408.3 | 17824 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -75.2 | 0 | 0.0 | 394.2 | 17162 | -81.6 | 0 | 0.0 | 381.4 | 17065 | -77.7 | 0 | 0.0 | 389.2 | 17150 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -74.1 | 0 | 0.0 | 384.6 | 16548 | -80.3 | 0 | 0.0 | 372.6 | 16472 | -79.5 | 0 | 0.0 | 374.1 | 16550 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -74.4 | 0 | 0.0 | 373.7 | 15995 | -76.9 | 0 | 0.0 | 369.0 | 15929 | -75.6 | 0 | 0.0 | 371.4 | 16004 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -73.1 | 0 | 0.0 | 366.8 | 15487 | -73.8 | 0 | 0.0 | 365.6 | 15425 | -72.0 | 0 | 0.0 | 368.8 | 15496 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -70.3 | 0 | 0.0 | 363.7 | 15015 | -71.0 | 0 | 0.0 | 362.4 | 14955 | -70.2 | 0 | 0.0 | 363.7 | 15021 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -67.4 | 0 | 0.0 | 361.0 | 14571 | -68.3 | 0 | 0.0 | 359.4 | 14513 | -70.0 | 0 | 0.0 | 356.5 | 14582 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -64.8 | 0 | 0.0 | 358.5 | 14153 | -65.8 | 0 | 0.0 | 356.7 | 14097 | -67.1 | 0 | 0.0 | 354.6 | 14168 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -62.3 | 0 | 0.0 | 356.1 | 13757 | -63.1 | 0 | 0.0 | 354.8 | 13702 | -64.4 | 0 | 0.0 | 352.6 | 13776 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -59.9 | 0 | 0.0 | 353.9 | 13380 | -60.5 | 0 | 0.0 | 352.9 | 13327 | -61.8 | 0 | 0.0 | 350.8 | 13403 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -57.5 | 0 | 0.0 | 352.2 | 13021 | -58.3 | 0 | 0.0 | 350.8 | 12969 | -59.4 | 0 | 0.0 | 349.0 | 13048 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -55.1 | 0 | 0.0 | 350.6 | 12678 | -56.9 | 0 | 0.0 | 347.7 | 12628 | -57.2 | 0 | 0.0 | 347.3 | 12708 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -52.9 | 0 | 0.0 | 349.0 | 12349 | -55.2 | 0 | 0.0 | 345.3 | 12302 | -55.0 | 0 | 0.0 | 345.6 | 12382 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -47.8 | 0 | 0.0 | 345.2 | 11580 | -49.3 | 0 | 0.0 | 342.9 | 11540 | -49.4 | 0 | 0.0 | 342.9 | 11620 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -42.2 | 0 | 0.0 | 343.3 | 10877 | -44.0 | 0 | 0.0 | 340.6 | 10841 | -43.3 | 0 | 0.0 | 341.7 | 10920 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -38.0 | 17 | .1 | 340.6 | 10226 | -39.2 | 30 | .1 | 339.0 | 10195 | -37.8 | M | M | M | 10271 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -34.9 | 20 | .1 | 336.7 | 9623 | -34.4 | 32 | .2 | 337.8 | 9593 | -32.7 | M | M | M | 9665 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -31.8 | 23 | .2 | 333.5 | 9061 | -33.2 | 80 | .6 | 333.1 | 9030 | -28.1 | M | M | M | 9096 | -27.3 | 28 | .3 | 340.5 | 9095 | 325 |
| 350 | -27.4 | 21 | .2 | 332.8 | 8532 | -28.7 | 83 | .8 | 333.1 | 8505 | -23.8 | M | M | M | 8559 | -23.6 | 29 | .5 | 338.8 | 8557 | 350 |
| 375 | -23.3 | 20 | .3 | 332.0 | 8031 | -24.6 | 86 | 1.2 | 333.3 | 8006 | -19.8 | M | M | M | 8052 | -20.1 | 30 | .6 | 337.3 | 8049 | 375 |
| 400 | -19.4 | 19 | .4 | 331.3 | 7555 | -20.7 | 88 | 1.6 | 333.8 | 7532 | -16.1 | M | M | M | 7569 | -16.9 | 31 | .8 | 336.0 | 7568 | 400 |
| 425 | -15.9 | 25 | .6 | 331.0 | 7102 | -17.6 | 85 | 1.9 | 333.1 | 7081 | -13.0 | M | M | M | 7110 | -13.4 | 34 | 1.1 | 335.9 | 7109 | 425 |
| 450 | -12.5 | 30 | 1.0 | 331.0 | 6668 | -14.1 | 73 | 2.1 | 332.6 | 6650 | -10.1 | M | M | M | 6672 | -12.0 | 69 | 2.3 | 336.2 | 6673 | 450 |
| 475 | -9.4 | 32 | 1.3 | 330.8 | 6252 | -11.5 | 78 | 2.6 | 332.5 | 6237 | -7.4 | M | M | M | 6253 | -8.0 | 40 | 1.8 | 334.3 | 6256 | 475 |
| 500 | -6.5 | 30 | 1.4 | 330.1 | 5854 | -8.7 | 70 | 2.8 | 331.7 | 5842 | -5.7 | M | M | M | 5852 | -6.8 | 54 | 2.5 | 333.3 | 5855 | 500 |
| 525 | -3.8 | 28 | 1.6 | 329.3 | 5471 | -5.8 | 52 | 2.5 | 329.7 | 5461 | -4.2 | 77 | 4.1 | 336.9 | 5468 | -4.0 | 36 | 1.9 | 330.2 | 5472 | 525 |
| 550 | -1.2 | 27 | 1.7 | 328.5 | 5102 | -3.1 | 42 | 2.3 | 328.2 | 5095 | .1 | 86 | 6.0 | 343.6 | 5098 | -.9 | 30 | 2.0 | 329.7 | 5103 | 550 |
| 575 | 1.3 | 25 | 1.8 | 327.8 | 4745 | -.4 | 40 | 2.6 | 328.2 | 4741 | 2.0 | 85 | 6.6 | 343.3 | 4740 | 2.0 | 25 | 1.9 | 328.9 | 4747 | 575 |
| 600 | 3.2 | 29 | 2.3 | 327.5 | 4402 | 2.1 | 39 | 2.9 | 328.1 | 4399 | 3.6 | 84 | 7.0 | 342.6 | 4395 | 4.4 | 25 | 2.2 | 328.6 | 4401 | 600 |
| 625 | 4.9 | 33 | 2.8 | 327.4 | 4070 | 4.6 | 37 | 3.1 | 328.0 | 4067 | 5.3 | 84 | 7.5 | 341.9 | 4061 | 4.9 | 61 | 5.3 | 335.0 | 4069 | 625 |
| 650 | 6.6 | 36 | 3.4 | 327.5 | 3749 | 6.9 | 35 | 3.4 | 327.9 | 3746 | 6.8 | 83 | 7.9 | 341.4 | 3739 | 6.1 | 84 | 7.7 | 339.7 | 3747 | 650 |
| 675 | 8.2 | 40 | 4.0 | 327.7 | 3438 | 8.7 | 38 | 4.0 | 328.1 | 3435 | 8.3 | 82 | 8.4 | 340.8 | 3427 | 8.0 | 75 | 7.4 | 337.6 | 3436 | 675 |
| 700 | 9.8 | 43 | 4.6 | 327.9 | 3137 | 10.2 | 42 | 4.7 | 328.6 | 3133 | 9.4 | 83 | 8.8 | 339.7 | 3125 | 9.4 | 85 | 9.0 | 340.4 | 3135 | 700 |
| 725 | 11.1 | 45 | 5.2 | 327.8 | 2844 | 11.6 | 46 | 5.5 | 329.2 | 2841 | 9.8 | 86 | 9.1 | 337.7 | 2833 | 11.1 | 85 | 9.8 | 341.3 | 2842 | 725 |
| 750 | 12.5 | 47 | 5.7 | 327.8 | 2561 | 13.0 | 50 | 6.3 | 330.0 | 2556 | 10.7 | 86 | 9.4 | 336.2 | 2550 | 12.8 | 94 | 11.6 | 345.2 | 2557 | 750 |
| 775 | 13.8 | 49 | 6.3 | 327.9 | 2285 | 13.5 | 75 | 9.5 | 336.8 | 2280 | 12.2 | 77 | 8.9 | 333.4 | 2275 | 13.7 | 97 | 12.4 | 345.3 | 2280 | 775 |
| 800 | 15.0 | 51 | 6.9 | 328.1 | 2016 | 14.6 | 77 | 10.2 | 336.9 | 2011 | 13.2 | 76 | 9.0 | 331.9 | 2008 | 14.6 | 97 | 12.8 | 344.0 | 2011 | 800 |
| 825 | 16.3 | 53 | 7.5 | 328.3 | 1755 | 15.6 | 80 | 10.9 | 337.1 | 1750 | 15.1 | 73 | 9.6 | 332.8 | 1748 | 15.4 | 97 | 13.1 | 342.8 | 1749 | 825 |
| 850 | 17.4 | 55 | 8.2 | 328.7 | 1500 | 16.6 | 82 | 11.6 | 337.3 | 1495 | 17.1 | 70 | 10.1 | 333.6 | 1493 | 16.6 | 96 | 13.6 | 342.8 | 1494 | 850 |
| 875 | 18.6 | 57 | 8.8 | 329.1 | 1251 | 17.7 | 84 | 12.4 | 337.8 | 1247 | 18.9 | 67 | 10.6 | 334.4 | 1245 | 18.1 | 94 | 14.3 | 343.6 | 1246 | 875 |
| 900 | 19.7 | 59 | 9.5 | 329.6 | 1009 | 19.3 | 86 | 13.6 | 340.5 | 1004 | 20.7 | 64 | 11.0 | 335.1 | 1001 | 19.6 | 93 | 15.0 | 344.5 | 1003 | 900 |
| 925 | 21.3 | 64 | 11.1 | 333.4 | 772 | 20.9 | 88 | 14.9 | 343.2 | 767 | 22.4 | 63 | 11.7 | 336.3 | 763 | 21.0 | 91 | 15.6 | 345.4 | 765 | 925 |
| 950 | 22.9 | 70 | 13.0 | 337.8 | 539 | 22.4 | 89 | 16.3 | 346.2 | 535 | 23.4 | 72 | 13.8 | 340.6 | 530 | 22.4 | 90 | 16.3 | 346.3 | 532 | 950 |
| 975 | 24.5 | 75 | 15.3 | 342.7 | 312 | 24.0 | 87 | 17.0 | 347.5 | 307 | 24.3 | 80 | 15.9 | 345.0 | 302 | 23.8 | 88 | 17.0 | 347.2 | 305 | 975 |
| 1000 | 26.0 | 80 | 17.2 | 347.9 | 88 | 25.6 | 83 | 17.3 | 347.8 | 84 | 25.3 | 88 | 18.2 | 349.6 | 79 | 25.1 | 87 | 17.7 | 348.0 | 82 | 1000 |
| SFC. | 26.6 | 82 | 18.1 | 350.1 | 0 | 26.2 | 81 | 17.4 | 347.9 | 0 | 25.6 | 91 | 19.0 | 351.3 | 0 | 25.6 | 86 | 17.9 | 348.4 | 0 | SFC. |
| | SURFACE PRESSURE 1010.0 | | | | | SURFACE PRESSURE 1009.5 | | | | | SURFACE PRESSURE 1009.0 | | | | | SURFACE PRESSURE 1009.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 2/21 2313 GMT T | RH | W | EPT | H | 2/22 1217 GMT T | RH | W | EPT | H | 2/22 2354 GMT T | RH | W | EPT | H | 2/23 1118 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.5 | 0 | 0.0 | 471.0 | 19546 | -70.0 | 0 | 0.0 | 454.2 | 19344 | -65.3 | 0 | 0.0 | 464.8 | 19587 | -65.2 | 0 | 0.0 | 465.0 | 19421 | 60 |
| 70 | -70.1 | 0 | 0.0 | 434.5 | 18611 | -72.9 | 0 | 0.0 | 428.5 | 18433 | -70.9 | 0 | 0.0 | 432.8 | 18665 | -72.8 | 0 | 0.0 | 428.7 | 18492 | 70 |
| 80 | -77.4 | 0 | 0.0 | 403.1 | 17831 | -81.0 | 0 | 0.0 | 395.8 | 17665 | -76.5 | 0 | 0.0 | 404.9 | 17878 | -77.0 | 0 | 0.0 | 404.0 | 17722 | 80 |
| 90 | -78.6 | 0 | 0.0 | 387.4 | 17158 | -78.7 | 0 | 0.0 | 387.2 | 16999 | -76.9 | 0 | 0.0 | 390.8 | 17202 | -82.2 | 0 | 0.0 | 380.1 | 17058 | 90 |
| 100 | -79.7 | 0 | 0.0 | 373.8 | 16559 | -80.6 | 0 | 0.0 | 372.0 | 16401 | -76.6 | 0 | 0.0 | 379.7 | 16596 | -81.4 | 0 | 0.0 | 370.5 | 16468 | 100 |
| 110 | -76.6 | 0 | 0.0 | 369.5 | 16015 | -79.9 | 0 | 0.0 | 363.2 | 15863 | -76.7 | 0 | 0.0 | 369.3 | 16050 | -80.3 | 0 | 0.0 | 362.5 | 15932 | 110 |
| 120 | -73.9 | 0 | 0.0 | 365.5 | 15511 | -77.7 | 0 | 0.0 | 358.5 | 15368 | -73.4 | 0 | 0.0 | 366.3 | 15545 | -76.8 | 0 | 0.0 | 360.2 | 15436 | 120 |
| 130 | -71.3 | 0 | 0.0 | 361.8 | 15040 | -74.5 | 0 | 0.0 | 356.1 | 14916 | -69.7 | 0 | 0.0 | 364.6 | 15073 | -73.5 | 0 | 0.0 | 357.9 | 14972 | 130 |
| 140 | -68.2 | 0 | 0.0 | 359.7 | 14599 | -71.6 | 0 | 0.0 | 353.7 | 14472 | -67.2 | 0 | 0.0 | 361.4 | 14628 | -70.4 | 0 | 0.0 | 355.8 | 14535 | 140 |
| 150 | -65.1 | 0 | 0.0 | 358.0 | 14182 | -68.6 | 0 | 0.0 | 352.0 | 14062 | -65.8 | 0 | 0.0 | 356.8 | 14211 | -67.6 | 0 | 0.0 | 353.7 | 14123 | 150 |
| 160 | -62.2 | 0 | 0.0 | 356.3 | 13786 | -65.7 | 0 | 0.0 | 350.3 | 13672 | -64.4 | 0 | 0.0 | 352.6 | 13817 | -64.9 | 0 | 0.0 | 351.7 | 13732 | 160 |
| 170 | -60.2 | 0 | 0.0 | 353.6 | 13409 | -63.1 | 0 | 0.0 | 348.8 | 13302 | -62.4 | 0 | 0.0 | 349.9 | 13445 | -62.4 | 0 | 0.0 | 349.8 | 13360 | 170 |
| 180 | -59.7 | 0 | 0.0 | 348.6 | 13052 | -60.5 | 0 | 0.0 | 347.2 | 12948 | -59.5 | 0 | 0.0 | 348.9 | 13090 | -59.9 | 0 | 0.0 | 348.2 | 13005 | 180 |
| 190 | -58.2 | 0 | 0.0 | 345.7 | 12713 | -58.1 | 0 | 0.0 | 345.7 | 12609 | -56.7 | 0 | 0.0 | 348.1 | 12750 | -57.3 | 0 | 0.0 | 347.0 | 12665 | 190 |
| 200 | -55.2 | 0 | 0.0 | 345.4 | 12388 | -55.9 | 0 | 0.0 | 344.3 | 12285 | -53.7 | 0 | 0.0 | 347.7 | 12422 | -54.9 | 0 | 0.0 | 345.9 | 12339 | 200 |
| 225 | -48.4 | 0 | 0.0 | 344.4 | 11625 | -50.7 | 0 | 0.0 | 340.8 | 11526 | -46.9 | 0 | 0.0 | 346.7 | 11654 | -48.7 | 0 | 0.0 | 343.9 | 11576 | 225 |
| 250 | -42.3 | 0 | 0.0 | 343.2 | 10922 | -44.3 | 0 | 0.0 | 340.2 | 10830 | -40.8 | 0 | 0.0 | 345.5 | 10946 | -42.0 | 0 | 0.0 | 343.6 | 10873 | 250 |
| 275 | -36.8 | 25 | .1 | 342.5 | 10270 | -38.6 | 36 | .2 | 340.0 | 10184 | -35.7 | 32 | .2 | 344.5 | 10290 | -36.8 | 29 | .2 | 342.7 | 10221 | 275 |
| 300 | -32.0 | 25 | .2 | 341.2 | 9661 | -33.9 | 36 | .3 | 338.7 | 9580 | -31.1 | 38 | .4 | 342.9 | 9679 | -32.4 | 27 | .2 | 340.6 | 9613 | 300 |
| 325 | -27.5 | 25 | .3 | 340.1 | 9090 | -29.6 | 36 | .4 | 337.4 | 9014 | -26.6 | 30 | .4 | 341.6 | 9106 | -28.4 | 25 | .3 | 338.7 | 9043 | 325 |
| 350 | -23.3 | 25 | .4 | 339.0 | 8553 | -25.5 | 36 | .5 | 336.2 | 8481 | -22.4 | 23 | .4 | 340.2 | 8567 | -24.4 | 27 | .4 | 337.5 | 8508 | 350 |
| 375 | -19.4 | 25 | .5 | 338.0 | 8044 | -21.8 | 36 | .6 | 335.2 | 7976 | -18.6 | 21 | .5 | 339.0 | 8056 | -20.5 | 30 | .6 | 336.8 | 8001 | 375 |
| 400 | -15.8 | 25 | .7 | 337.1 | 7561 | -18.3 | 36 | .8 | 334.2 | 7498 | -15.1 | 27 | .8 | 338.4 | 7571 | -16.9 | 34 | .9 | 336.2 | 7520 | 400 |
| 425 | -12.5 | 23 | .8 | 335.9 | 7101 | -14.7 | 32 | .9 | 333.4 | 7042 | -11.4 | 24 | .9 | 337.7 | 7110 | -13.3 | 27 | .9 | 335.1 | 7062 | 425 |
| 450 | -9.4 | 22 | .9 | 334.7 | 6662 | -11.4 | 28 | 1.0 | 332.5 | 6606 | -7.8 | 20 | 1.0 | 336.9 | 6668 | -10.0 | 21 | .8 | 333.8 | 6624 | 450 |
| 475 | -6.5 | 21 | 1.0 | 333.6 | 6241 | -8.2 | 24 | 1.0 | 331.6 | 6189 | -4.5 | 17 | 1.0 | 336.1 | 6245 | -9.3 | 21 | .8 | 329.4 | 6206 | 475 |
| 500 | -3.8 | 19 | 1.1 | 332.5 | 5839 | -8.5 | 96 | 3.9 | 335.4 | 5792 | -3.5 | 22 | 1.3 | 333.5 | 5840 | -7.9 | 22 | .9 | 326.8 | 5809 | 500 |
| 525 | -1.6 | 19 | 1.2 | 330.9 | 5452 | -6.3 | 97 | 4.4 | 335.3 | 5411 | -2.9 | 28 | 1.6 | 330.7 | 5454 | -5.2 | 25 | 1.3 | 326.6 | 5428 | 525 |
| 550 | .1 | 19 | 1.3 | 329.0 | 5080 | -4.1 | 99 | 5.1 | 335.3 | 5045 | -1.1 | 29 | 1.9 | 329.3 | 5085 | -2.5 | 28 | 1.6 | 326.7 | 5061 | 550 |
| 575 | 1.8 | 19 | 1.4 | 327.2 | 4723 | -1.8 | 91 | 5.3 | 334.8 | 4692 | 1.4 | 28 | 2.1 | 328.7 | 4729 | -1.3 | 33 | 2.0 | 325.1 | 4707 | 575 |
| 600 | 3.5 | 19 | 1.5 | 325.5 | 4379 | .4 | 76 | 5.0 | 332.4 | 4351 | 3.8 | 27 | 2.3 | 328.2 | 4384 | .1 | 36 | 2.3 | 323.9 | 4367 | 600 |
| 625 | 5.0 | 19 | 1.7 | 323.8 | 4047 | 2.3 | 44 | 3.2 | 325.3 | 4022 | 5.7 | 28 | 2.6 | 327.6 | 4052 | 3.0 | 35 | 2.6 | 324.5 | 4038 | 625 |
| 650 | 6.7 | 26 | 2.4 | 324.7 | 3726 | 4.2 | 48 | 3.8 | 325.9 | 3704 | 7.5 | 29 | 2.9 | 327.1 | 3730 | 5.6 | 34 | 3.0 | 325.0 | 3719 | 650 |
| 675 | 8.4 | 33 | 3.4 | 326.2 | 3415 | 6.0 | 55 | 4.8 | 327.4 | 3396 | 9.3 | 30 | 3.2 | 326.6 | 3418 | 7.4 | 35 | 3.3 | 324.6 | 3409 | 675 |
| 700 | 10.1 | 41 | 4.5 | 327.9 | 3114 | 7.4 | 74 | 6.8 | 331.4 | 3097 | 11.0 | 31 | 3.6 | 326.3 | 3115 | 9.2 | 35 | 3.7 | 324.4 | 3109 | 700 |
| 725 | 11.6 | 48 | 5.7 | 329.9 | 2821 | 9.4 | 79 | 8.1 | 334.2 | 2806 | 12.6 | 32 | 4.0 | 326.0 | 2822 | 10.9 | 36 | 4.0 | 324.1 | 2817 | 725 |
| 750 | 13.2 | 51 | 6.4 | 330.8 | 2536 | 10.9 | 89 | 9.8 | 337.6 | 2523 | 14.2 | 33 | 4.4 | 325.9 | 2537 | 12.5 | 36 | 4.4 | 324.0 | 2533 | 750 |
| 775 | 14.8 | 41 | 5.7 | 327.3 | 2260 | 12.2 | 94 | 10.9 | 339.0 | 2248 | 15.7 | 33 | 4.8 | 325.8 | 2259 | 14.1 | 37 | 4.8 | 323.9 | 2258 | 775 |
| 800 | 15.9 | 39 | 5.5 | 325.1 | 1990 | 13.2 | 89 | 10.7 | 336.8 | 1980 | 17.1 | 34 | 5.2 | 325.8 | 1989 | 15.1 | 41 | 5.6 | 324.2 | 1989 | 800 |
| 825 | 15.6 | 52 | 7.0 | 326.1 | 1729 | 13.3 | 70 | 8.2 | 326.8 | 1721 | 18.5 | 36 | 5.8 | 326.0 | 1726 | 15.7 | 48 | 6.5 | 324.8 | 1728 | 825 |
| 850 | 16.3 | 64 | 8.8 | 329.1 | 1475 | 14.1 | 86 | 10.2 | 330.4 | 1469 | 18.5 | 51 | 8.1 | 329.8 | 1470 | 16.0 | 66 | 8.9 | 329.0 | 1474 | 850 |
| 875 | 17.5 | 75 | 10.9 | 333.5 | 1227 | 15.8 | 85 | 11.1 | 331.9 | 1223 | 18.9 | 62 | 9.7 | 332.0 | 1221 | 16.2 | 85 | 11.3 | 333.1 | 1227 | 875 |
| 900 | 18.9 | 78 | 12.0 | 335.6 | 985 | 17.5 | 85 | 11.9 | 333.5 | 982 | 20.6 | 56 | 9.6 | 330.9 | 978 | 17.5 | 79 | 11.1 | 331.3 | 986 | 900 |
| 925 | 20.5 | 75 | 12.4 | 335.8 | 749 | 19.1 | 84 | 12.8 | 335.2 | 746 | 22.1 | 52 | 9.5 | 329.8 | 740 | 18.6 | 82 | 12.0 | 332.4 | 751 | 925 |
| 950 | 22.0 | 72 | 12.7 | 335.8 | 517 | 20.7 | 84 | 13.7 | 337.0 | 515 | 22.8 | 56 | 10.4 | 330.5 | 508 | 19.9 | 86 | 13.3 | 335.0 | 521 | 950 |
| 975 | 23.5 | 68 | 12.9 | 335.8 | 290 | 22.3 | 83 | 14.6 | 338.8 | 289 | 23.8 | 61 | 11.6 | 332.4 | 281 | 22.5 | 83 | 14.8 | 339.7 | 295 | 975 |
| 1000 | 25.2 | 79 | 16.3 | 344.4 | 68 | 24.6 | 85 | 16.7 | 344.7 | 68 | 26.0 | 74 | 15.8 | 344.2 | 58 | 25.1 | 81 | 16.4 | 344.6 | 73 | 1000 |
| SFC. | 25.8 | 86 | 18.1 | 349.5 | 0 | 25.8 | 86 | 18.1 | 349.5 | 0 | 26.6 | 77 | 17.0 | 347.6 | 0 | 25.9 | 80 | 16.9 | 346.3 | 0 | SFC. |
| | SURFACE PRESSURE 1007.7 | | | | | SURFACE PRESSURE 1007.7 | | | | | SURFACE PRESSURE 1006.6 | | | | | SURFACE PRESSURE 1008.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 2/23 2320 GMT | | | | | 2/24 1125 GMT | | | | | 2/24 17 4 GMT | | | | | 2/24 23 2 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.4 | 0 | 0.0 | 455.6 | 19475 | -67.4 | 25 | .0 | 460.1 | 19463 | -70.1 | 0 | 0.0 | 454.0 | 19532 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.3 | 0 | 0.0 | 436.1 | 18554 | -68.9 | 25 | .0 | 437.1 | 18539 | -68.0 | 0 | 0.0 | 438.9 | 18611 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.6 | 0 | 0.0 | 400.7 | 17773 | -75.3 | 26 | .0 | 407.6 | 17754 | -74.2 | 0 | 0.0 | 409.7 | 17827 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -83.1 | 0 | 0.0 | 378.4 | 17109 | -80.0 | 26 | .0 | 384.7 | 17078 | -73.9 | 0 | 0.0 | 396.7 | 17138 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -83.3 | 0 | 0.0 | 366.8 | 16526 | -83.4 | 26 | .0 | 366.6 | 16489 | -82.7 | 0 | 0.0 | 367.9 | 16542 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.5 | 0 | 0.0 | 362.3 | 15992 | -80.4 | 26 | .0 | 362.4 | 15956 | -80.0 | 0 | 0.0 | 363.1 | 16007 | 110 |
| 120 | -75.9 | 0 | 0.0 | 361.7 | 15542 | -76.1 | 0 | 0.0 | 361.4 | 15496 | -76.9 | 26 | .0 | 360.0 | 15460 | -76.9 | 0 | 0.0 | 360.0 | 15511 | 120 |
| 130 | -72.5 | 0 | 0.0 | 359.6 | 15076 | -72.4 | 0 | 0.0 | 359.7 | 15029 | -73.0 | 26 | .0 | 358.8 | 14996 | -73.5 | 0 | 0.0 | 357.8 | 15047 | 130 |
| 140 | -69.4 | 0 | 0.0 | 357.5 | 14637 | -69.7 | 0 | 0.0 | 357.0 | 14591 | -69.4 | 26 | .0 | 357.5 | 14557 | -70.4 | 0 | 0.0 | 355.7 | 14610 | 140 |
| 150 | -66.5 | 0 | 0.0 | 355.5 | 14223 | -67.2 | 0 | 0.0 | 354.4 | 14177 | -66.4 | 26 | .0 | 355.7 | 14142 | -67.6 | 0 | 0.0 | 353.7 | 14198 | 150 |
| 160 | -63.8 | 0 | 0.0 | 353.6 | 13830 | -64.8 | 0 | 0.0 | 351.9 | 13785 | -64.0 | 26 | .0 | 353.4 | 13749 | -64.9 | 0 | 0.0 | 351.8 | 13807 | 160 |
| 170 | -60.8 | 0 | 0.0 | 352.6 | 13455 | -61.9 | 0 | 0.0 | 350.8 | 13413 | -61.4 | 26 | .0 | 351.6 | 13376 | -62.0 | 0 | 0.0 | 350.5 | 13434 | 170 |
| 180 | -57.9 | 0 | 0.0 | 351.5 | 13097 | -58.8 | 0 | 0.0 | 350.1 | 13057 | -58.9 | 26 | .0 | 349.9 | 13019 | -59.0 | 0 | 0.0 | 349.8 | 13078 | 180 |
| 190 | -55.2 | 0 | 0.0 | 350.5 | 12754 | -56.2 | 0 | 0.0 | 348.9 | 12715 | -56.6 | 26 | .0 | 348.3 | 12678 | -56.1 | 0 | 0.0 | 349.1 | 12737 | 190 |
| 200 | -52.6 | 0 | 0.0 | 349.5 | 12425 | -53.7 | 0 | 0.0 | 347.8 | 12387 | -54.4 | 26 | .0 | 346.7 | 12351 | -53.3 | 0 | 0.0 | 348.3 | 12409 | 200 |
| 225 | -46.7 | 0 | 0.0 | 347.0 | 11654 | -48.0 | 0 | 0.0 | 345.0 | 11621 | -48.2 | 25 | .1 | 344.8 | 11587 | -47.0 | 0 | 0.0 | 346.4 | 11640 | 225 |
| 250 | -41.4 | 0 | 0.0 | 344.5 | 10947 | -41.8 | 0 | 0.0 | 343.9 | 10916 | -42.5 | 24 | .1 | 343.3 | 10884 | -40.9 | 0 | 0.0 | 345.2 | 10933 | 250 |
| 275 | -36.0 | 23 | .1 | 343.6 | 10293 | -36.3 | 17 | .1 | 343.1 | 10263 | -37.2 | 23 | .1 | 341.8 | 10232 | -35.7 | 25 | .2 | 344.3 | 10277 | 275 |
| 300 | -30.9 | 23 | .2 | 342.7 | 9682 | -31.2 | 17 | .2 | 342.1 | 9653 | -32.5 | 22 | .2 | 340.4 | 9625 | -30.9 | 24 | .2 | 342.8 | 9666 | 300 |
| 325 | -26.3 | 23 | .3 | 341.8 | 9109 | -26.5 | 16 | .2 | 341.0 | 9080 | -27.9 | 21 | .2 | 339.2 | 9056 | -26.5 | 24 | .3 | 341.5 | 9093 | 325 |
| 350 | -21.9 | 23 | .4 | 340.9 | 8568 | -22.2 | 16 | .3 | 340.0 | 8540 | -23.5 | 21 | .3 | 338.4 | 8519 | -22.5 | 24 | .4 | 340.2 | 8553 | 350 |
| 375 | -18.3 | 24 | .6 | 339.6 | 8056 | -19.1 | 17 | .4 | 337.9 | 8030 | -19.4 | 21 | .5 | 337.6 | 8010 | -18.7 | 24 | .6 | 339.0 | 8042 | 375 |
| 400 | -15.2 | 25 | .7 | 338.0 | 7572 | -16.3 | 18 | .5 | 335.7 | 7547 | -16.7 | 24 | .6 | 335.6 | 7528 | -15.2 | 24 | .7 | 337.9 | 7558 | 400 |
| 425 | -11.7 | 23 | .8 | 337.1 | 7110 | -12.6 | 17 | .6 | 335.0 | 7087 | -13.2 | 23 | .7 | 334.9 | 7069 | -11.8 | 23 | .8 | 336.9 | 7096 | 425 |
| 450 | -8.4 | 21 | .9 | 336.1 | 6670 | -9.1 | 16 | .7 | 334.3 | 6648 | -9.9 | 22 | .9 | 334.0 | 6631 | -8.7 | 23 | 1.0 | 336.0 | 6656 | 450 |
| 475 | -7.4 | 19 | .9 | 332.0 | 6249 | -7.5 | 14 | .7 | 331.2 | 6228 | -9.2 | 20 | .8 | 329.5 | 6213 | -6.3 | 24 | 1.2 | 334.5 | 6235 | 475 |
| 500 | -5.8 | 20 | 1.0 | 329.6 | 5849 | -6.2 | 14 | .7 | 327.9 | 5828 | -7.4 | 21 | .9 | 327.3 | 5816 | -6.0 | 25 | 1.2 | 330.1 | 5834 | 500 |
| 525 | -3.4 | 22 | 1.2 | 328.7 | 5465 | -3.7 | 14 | .8 | 326.8 | 5445 | -4.5 | 22 | 1.1 | 327.0 | 5433 | -3.1 | 24 | 1.4 | 329.5 | 5450 | 525 |
| 550 | -1.1 | 23 | 1.5 | 328.1 | 5095 | -1.2 | 14 | .9 | 325.8 | 5076 | -1.9 | 22 | 1.4 | 326.5 | 5065 | -.4 | 22 | 1.5 | 328.8 | 5080 | 550 |
| 575 | 1.1 | 25 | 1.8 | 327.5 | 4739 | 1.1 | 14 | 1.0 | 324.9 | 4720 | .3 | 23 | 1.6 | 325.7 | 4710 | 2.0 | 21 | 1.6 | 328.0 | 4723 | 575 |
| 600 | 3.3 | 26 | 2.1 | 327.1 | 4395 | 3.4 | 14 | 1.1 | 324.0 | 4377 | 1.6 | 23 | 1.6 | 323.6 | 4369 | 2.4 | 23 | 1.7 | 324.8 | 4380 | 600 |
| 625 | 5.3 | 28 | 2.5 | 326.8 | 4063 | 5.0 | 15 | 1.3 | 322.6 | 4045 | 3.7 | 23 | 1.8 | 322.9 | 4039 | 4.7 | 24 | 2.0 | 324.6 | 4048 | 625 |
| 650 | 7.2 | 29 | 2.9 | 326.6 | 3742 | 3.7 | 18 | 1.4 | 317.9 | 3725 | 3.1 | 62 | 4.5 | 326.7 | 3721 | 6.8 | 25 | 2.4 | 324.6 | 3728 | 650 |
| 675 | 9.1 | 31 | 3.3 | 326.5 | 3430 | 5.1 | 68 | 5.6 | 328.5 | 3419 | 5.6 | 68 | 5.7 | 329.7 | 3413 | 7.6 | 59 | 5.7 | 332.1 | 3417 | 675 |
| 700 | 10.9 | 32 | 3.7 | 326.5 | 3128 | 8.2 | 95 | 9.3 | 339.7 | 3119 | 8.0 | 74 | 7.1 | 333.2 | 3113 | 10.1 | 37 | 4.0 | 326.6 | 3116 | 700 |
| 725 | 12.6 | 33 | 4.2 | 326.6 | 2834 | 10.3 | 91 | 9.9 | 340.6 | 2827 | 9.9 | 70 | 7.4 | 333.0 | 2822 | 11.7 | 39 | 4.6 | 326.8 | 2823 | 725 |
| 750 | 14.3 | 34 | 4.7 | 326.9 | 2549 | 12.0 | 90 | 10.6 | 341.4 | 2543 | 11.5 | 76 | 8.6 | 334.9 | 2539 | 13.1 | 45 | 5.7 | 328.4 | 2539 | 750 |
| 775 | 15.7 | 39 | 5.6 | 328.2 | 2271 | 13.4 | 91 | 11.4 | 342.0 | 2267 | 13.0 | 82 | 10.0 | 337.4 | 2264 | 14.4 | 51 | 6.8 | 330.2 | 2262 | 775 |
| 800 | 16.2 | 54 | 7.8 | 332.1 | 2001 | 14.7 | 92 | 12.2 | 342.8 | 1998 | 14.5 | 87 | 11.4 | 340.2 | 1995 | 15.7 | 57 | 8.0 | 332.2 | 1993 | 800 |
| 825 | 16.7 | 68 | 9.9 | 335.7 | 1739 | 16.0 | 93 | 13.1 | 343.6 | 1736 | 15.8 | 90 | 12.4 | 341.6 | 1733 | 17.0 | 63 | 9.3 | 334.4 | 1731 | 825 |
| 850 | 17.7 | 71 | 10.8 | 336.4 | 1483 | 17.2 | 94 | 13.9 | 344.5 | 1480 | 16.9 | 91 | 13.1 | 341.8 | 1478 | 17.7 | 69 | 10.3 | 335.2 | 1475 | 850 |
| 875 | 18.8 | 72 | 11.3 | 336.3 | 1234 | 18.5 | 96 | 14.8 | 345.4 | 1231 | 18.1 | 91 | 13.8 | 342.2 | 1230 | 17.5 | 73 | 10.6 | 332.9 | 1226 | 875 |
| 900 | 19.9 | 72 | 11.8 | 336.3 | 991 | 19.6 | 97 | 15.6 | 346.5 | 988 | 19.2 | 92 | 14.4 | 342.5 | 987 | 19.1 | 72 | 11.2 | 333.6 | 985 | 900 |
| 925 | 21.0 | 73 | 12.4 | 336.4 | 754 | 21.1 | 96 | 16.5 | 347.8 | 750 | 20.2 | 92 | 15.1 | 342.9 | 750 | 20.9 | 70 | 11.8 | 334.6 | 748 | 925 |
| 950 | 22.0 | 73 | 12.9 | 336.5 | 522 | 22.6 | 94 | 17.3 | 349.3 | 518 | 21.3 | 93 | 15.8 | 343.3 | 518 | 22.6 | 68 | 12.4 | 335.7 | 516 | 950 |
| 975 | 24.1 | 77 | 15.6 | 342.1 | 295 | 24.1 | 92 | 18.2 | 350.8 | 290 | 23.1 | 89 | 16.5 | 345.1 | 291 | 24.3 | 66 | 12.9 | 336.7 | 288 | 975 |
| 1000 | 26.1 | 81 | 17.5 | 348.9 | 72 | 25.6 | 91 | 19.0 | 352.3 | 66 | 25.0 | 85 | 17.3 | 346.9 | 69 | 26.4 | 70 | 15.4 | 343.6 | 65 | 1000 |
| SFC. | 26.8 | 82 | 18.4 | 351.3 | 0 | 26.0 | 90 | 19.3 | 352.8 | 0 | 25.6 | 84 | 17.5 | 347.4 | 0 | 27.5 | 78 | 18.2 | 351.9 | 0 | SFC. |
| | SURFACE PRESSURE 1008.1 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1007.8 | | | | | SURFACE PRESSURE 1007.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 2/25 5 0 GMT | | | | | 2/25 1143 GMT | | | | | 2/25 17 7 GMT | | | | | 2/25 23 3 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -69.1 | 0 | 0.0 | 456.2 | 19366 | -67.0 | 0 | 0.0 | 461.0 | 19462 | -66.4 | 0 | 0.0 | 462.3 | 19471 | -66.0 | 0 | 0.0 | 463.2 | 19546 | 60 |
| 70 | -71.7 | 18 | .0 | 431.1 | 18451 | -72.3 | 0 | 0.0 | 429.8 | 18539 | -70.9 | 0 | 0.0 | 432.7 | 18547 | -65.5 | 0 | 0.0 | 444.4 | 18609 | 70 |
| 80 | -77.6 | 20 | .0 | 402.6 | 17675 | -78.1 | 0 | 0.0 | 401.6 | 17768 | -77.2 | 0 | 0.0 | 403.6 | 17769 | -74.8 | 0 | 0.0 | 408.6 | 17813 | 80 |
| 90 | -78.0 | 20 | .0 | 388.5 | 17000 | -81.2 | 0 | 0.0 | 382.3 | 17100 | -77.0 | 0 | 0.0 | 390.5 | 17093 | -80.6 | 0 | 0.0 | 383.5 | 17138 | 90 |
| 100 | -82.5 | 20 | .0 | 368.4 | 16405 | -84.5 | 0 | 0.0 | 364.5 | 16512 | -81.6 | 0 | 0.0 | 370.2 | 16499 | -82.2 | 0 | 0.0 | 368.9 | 16550 | 100 |
| 110 | -82.7 | 20 | .0 | 358.1 | 15874 | -80.5 | 0 | 0.0 | 362.2 | 15980 | -80.4 | 0 | 0.0 | 362.4 | 15962 | -79.4 | 0 | 0.0 | 364.3 | 16013 | 110 |
| 120 | -79.2 | 20 | .0 | 355.8 | 15385 | -76.9 | 0 | 0.0 | 359.9 | 15485 | -77.1 | 0 | 0.0 | 359.5 | 15467 | -76.8 | 0 | 0.0 | 360.0 | 15516 | 120 |
| 130 | -75.9 | 19 | .0 | 353.5 | 14926 | -73.5 | 0 | 0.0 | 357.8 | 15021 | -73.5 | 0 | 0.0 | 357.9 | 15004 | -73.9 | 0 | 0.0 | 357.1 | 15053 | 130 |
| 140 | -72.9 | 19 | .0 | 351.3 | 14495 | -70.5 | 0 | 0.0 | 355.7 | 14584 | -70.1 | 0 | 0.0 | 356.3 | 14567 | -70.4 | 0 | 0.0 | 355.9 | 14617 | 140 |
| 150 | -70.0 | 19 | .0 | 349.5 | 14087 | -67.6 | 0 | 0.0 | 353.7 | 14172 | -66.9 | 0 | 0.0 | 354.9 | 14153 | -67.1 | 0 | 0.0 | 354.6 | 14204 | 150 |
| 160 | -66.8 | 19 | .0 | 348.5 | 13700 | -64.9 | 0 | 0.0 | 351.8 | 13781 | -63.9 | 0 | 0.0 | 353.5 | 13760 | -64.0 | 0 | 0.0 | 353.3 | 13811 | 160 |
| 170 | -63.8 | 19 | .0 | 347.6 | 13331 | -62.3 | 0 | 0.0 | 349.9 | 13409 | -61.0 | 0 | 0.0 | 352.1 | 13386 | -61.1 | 0 | 0.0 | 352.1 | 13437 | 170 |
| 180 | -60.9 | 19 | .0 | 346.6 | 12979 | -59.5 | 0 | 0.0 | 348.8 | 13053 | -58.4 | 0 | 0.0 | 350.7 | 13029 | -58.3 | 0 | 0.0 | 350.8 | 13080 | 180 |
| 190 | -58.2 | 19 | .0 | 345.7 | 12640 | -56.9 | 0 | 0.0 | 347.8 | 12713 | -55.9 | 0 | 0.0 | 349.3 | 12687 | -55.7 | 0 | 0.0 | 349.6 | 12738 | 190 |
| 200 | -55.6 | 18 | .0 | 344.9 | 12316 | -54.3 | 0 | 0.0 | 346.8 | 12386 | -53.6 | 0 | 0.0 | 347.9 | 12359 | -53.3 | 0 | 0.0 | 348.4 | 12409 | 200 |
| 225 | -49.5 | 17 | .0 | 342.8 | 11555 | -48.2 | 0 | 0.0 | 344.6 | 11621 | -48.2 | 0 | 0.0 | 344.7 | 11592 | -47.2 | 0 | 0.0 | 346.2 | 11640 | 225 |
| 250 | -43.6 | 17 | .1 | 341.5 | 10856 | -41.5 | 0 | 0.0 | 344.4 | 10917 | -42.5 | 0 | 0.0 | 342.9 | 10890 | -41.5 | 0 | 0.0 | 344.4 | 10934 | 250 |
| 275 | -38.0 | 16 | .1 | 340.6 | 10207 | -36.2 | 22 | .1 | 343.3 | 10263 | -36.8 | M | M | M | 10238 | -35.4 | 20 | .1 | 344.5 | 10280 | 275 |
| 300 | -32.8 | 16 | .1 | 339.6 | 9601 | -31.6 | 20 | .2 | 341.5 | 9653 | -31.7 | 18 | .2 | 341.4 | 9629 | -30.1 | 20 | .2 | 343.8 | 9667 | 300 |
| 325 | -28.6 | 15 | .2 | 338.0 | 9033 | -27.4 | 18 | .2 | 339.8 | 9082 | -27.1 | 18 | .2 | 340.3 | 9058 | -25.9 | 20 | .3 | 342.2 | 9092 | 325 |
| 350 | -24.7 | 15 | .2 | 336.4 | 8498 | -23.5 | 16 | .3 | 338.2 | 8544 | -23.6 | 18 | .3 | 338.1 | 8520 | -21.9 | 19 | .4 | 340.7 | 8551 | 350 |
| 375 | -21.0 | 14 | .3 | 334.8 | 7992 | -19.4 | 16 | .4 | 337.4 | 8036 | -19.6 | 18 | .4 | 337.1 | 8012 | -18.2 | 19 | .5 | 339.3 | 8039 | 375 |
| 400 | -16.9 | 12 | .3 | 334.2 | 7512 | -15.3 | 17 | .5 | 337.0 | 7552 | -16.0 | 18 | .5 | 336.1 | 7529 | -14.8 | 19 | .6 | 338.0 | 7554 | 400 |
| 425 | -12.7 | 13 | .4 | 334.3 | 7053 | -12.0 | 17 | .6 | 335.9 | 7091 | -13.1 | 18 | .6 | 334.3 | 7070 | -11.6 | 19 | .7 | 336.8 | 7093 | 425 |
| 450 | -10.6 | 13 | .5 | 331.8 | 6616 | -8.9 | 17 | .7 | 334.8 | 6651 | -10.4 | 18 | .7 | 332.7 | 6632 | -8.5 | 19 | .8 | 335.7 | 6652 | 450 |
| 475 | -7.7 | 12 | .5 | 330.5 | 6198 | -8.8 | 17 | .7 | 329.6 | 6232 | -9.8 | 18 | .7 | 328.4 | 6215 | -6.7 | 19 | .9 | 333.0 | 6231 | 475 |
| 500 | -7.6 | 23 | 1.0 | 327.4 | 5799 | -6.4 | 17 | .8 | 328.2 | 5833 | -7.2 | 17 | .8 | 327.0 | 5818 | -5.5 | 19 | .9 | 329.7 | 5830 | 500 |
| 525 | -5.5 | 14 | .7 | 324.3 | 5418 | -3.0 | 16 | 1.0 | 328.3 | 5450 | -3.9 | 17 | .9 | 327.0 | 5436 | -2.7 | 18 | 1.1 | 329.1 | 5445 | 525 |
| 550 | -2.1 | 14 | .8 | 324.6 | 5051 | .2 | 16 | 1.1 | 328.4 | 5079 | -.8 | 16 | 1.0 | 326.9 | 5066 | .1 | 18 | 1.2 | 328.6 | 5075 | 550 |
| 575 | .0 | 13 | .9 | 323.2 | 4697 | 2.6 | 15 | 1.2 | 327.4 | 4721 | 2.0 | 16 | 1.2 | 326.6 | 4710 | 2.7 | 17 | 1.4 | 328.0 | 4717 | 575 |
| 600 | .5 | 14 | .9 | 319.8 | 4355 | 4.4 | 15 | 1.3 | 325.7 | 4376 | 4.7 | 15 | 1.3 | 326.2 | 4365 | 4.2 | 33 | 2.8 | 330.3 | 4371 | 600 |
| 625 | 2.2 | 19 | 1.3 | 319.5 | 4027 | 5.0 | 16 | 1.4 | 322.9 | 4043 | 5.1 | 17 | 1.5 | 323.4 | 4031 | 4.6 | 44 | 3.7 | 329.8 | 4039 | 625 |
| 650 | 4.3 | 23 | 1.9 | 320.0 | 3709 | 5.2 | 66 | 5.6 | 332.5 | 3723 | 5.0 | 24 | 2.0 | 321.4 | 3712 | 6.2 | 26 | 2.4 | 323.9 | 3719 | 650 |
| 675 | 6.5 | 56 | 5.1 | 328.8 | 3400 | 7.0 | 59 | 5.5 | 330.7 | 3414 | 5.8 | 34 | 2.9 | 321.4 | 3404 | 8.1 | 46 | 4.7 | 329.5 | 3409 | 675 |
| 700 | 7.7 | 73 | 6.9 | 331.9 | 3101 | 8.4 | 76 | 7.5 | 334.8 | 3113 | 6.9 | 51 | 4.6 | 324.3 | 3105 | 7.9 | 61 | 5.8 | 329.1 | 3108 | 700 |
| 725 | 8.6 | 87 | 8.4 | 334.2 | 2810 | 9.9 | 88 | 9.3 | 338.4 | 2822 | 9.0 | 54 | 5.4 | 326.0 | 2816 | 10.2 | 53 | 5.7 | 328.3 | 2817 | 725 |
| 750 | 9.9 | 93 | 9.6 | 335.8 | 2529 | 11.7 | 84 | 9.8 | 338.5 | 2538 | 11.1 | 57 | 6.3 | 327.9 | 2533 | 12.8 | 44 | 5.4 | 327.2 | 2534 | 750 |
| 775 | 11.6 | 93 | 10.3 | 336.7 | 2254 | 13.4 | 81 | 10.2 | 338.5 | 2262 | 13.1 | 60 | 7.3 | 330.1 | 2258 | 14.5 | 44 | 5.9 | 327.6 | 2257 | 775 |
| 800 | 13.2 | 93 | 11.1 | 337.8 | 1987 | 14.5 | 83 | 10.9 | 338.8 | 1993 | 14.7 | 64 | 8.5 | 332.2 | 1990 | 15.9 | 48 | 6.8 | 328.8 | 1988 | 800 |
| 825 | 14.7 | 93 | 11.9 | 338.9 | 1726 | 15.4 | 88 | 11.8 | 339.3 | 1732 | 15.8 | 70 | 9.7 | 333.8 | 1729 | 17.2 | 52 | 7.8 | 330.2 | 1726 | 825 |
| 850 | 16.2 | 93 | 12.8 | 340.1 | 1472 | 16.2 | 92 | 12.7 | 339.8 | 1478 | 15.0 | 91 | 11.5 | 335.0 | 1475 | 15.8 | 54 | 7.1 | 323.9 | 1471 | 850 |
| 875 | 17.7 | 93 | 13.7 | 341.4 | 1224 | 17.0 | 97 | 13.6 | 340.3 | 1230 | 15.9 | 94 | 12.4 | 335.8 | 1228 | 16.7 | 61 | 8.4 | 325.7 | 1225 | 875 |
| 900 | 19.1 | 93 | 14.6 | 342.9 | 981 | 19.0 | 92 | 14.3 | 341.9 | 987 | 16.9 | 97 | 13.2 | 336.2 | 987 | 18.6 | 70 | 10.5 | 331.1 | 983 | 900 |
| 925 | 20.5 | 94 | 15.5 | 344.4 | 744 | 20.9 | 88 | 14.9 | 343.3 | 750 | 18.6 | 96 | 14.1 | 338.1 | 752 | 20.4 | 74 | 12.2 | 335.1 | 747 | 925 |
| 950 | 21.8 | 94 | 16.5 | 346.0 | 512 | 22.9 | 83 | 15.5 | 344.6 | 518 | 20.9 | 91 | 15.1 | 341.1 | 522 | 22.3 | 68 | 12.2 | 334.9 | 515 | 950 |
| 975 | 23.2 | 94 | 17.4 | 347.6 | 285 | 24.7 | 78 | 16.0 | 345.7 | 290 | 23.1 | 87 | 16.2 | 344.1 | 295 | 24.1 | 63 | 12.2 | 334.4 | 288 | 975 |
| 1000 | 24.4 | 94 | 18.4 | 349.3 | 62 | 25.8 | 81 | 17.2 | 347.8 | 66 | 25.3 | 83 | 17.2 | 347.0 | 72 | 25.9 | 73 | 15.5 | 343.3 | 65 | 1000 |
| SFC. | 24.8 | 94 | 18.7 | 349.7 | 0 | 25.9 | 84 | 17.8 | 348.7 | 0 | 26.0 | 82 | 17.5 | 347.9 | 0 | 26.5 | 80 | 17.6 | 348.9 | 0 | SFC. |
| | SURFACE PRESSURE 1007.1 | | | | | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1008.2 | | | | | SURFACE PRESSURE 1007.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 2/26 453 GMT | | | | | 2/26 1156 GMT | | | | | 2/26 1648 GMT | | | | | 2/27 0 4 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.8 | 0 | 0.0 | 452.5 | 19434 | -66.3 | 0 | 0.0 | 462.5 | 19486 | -66.3 | 0 | 0.0 | 462.6 | 19532 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 0 | 0.0 | 423.7 | 18500 | -70.9 | 0 | 0.0 | 432.7 | 18557 | -67.6 | 0 | 0.0 | 439.8 | 18598 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.5 | 0 | 0.0 | 405.1 | 17729 | -74.8 | 0 | 0.0 | 408.4 | 17773 | -73.0 | 0 | 0.0 | 412.1 | 17805 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.4 | 0 | 0.0 | 389.8 | 17052 | -78.9 | 0 | 0.0 | 386.8 | 17098 | -77.7 | 0 | 0.0 | 389.2 | 17123 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -84.0 | 0 | 0.0 | 365.5 | 16458 | -81.0 | 0 | 0.0 | 371.2 | 16498 | -80.6 | 0 | 0.0 | 372.0 | 16525 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.6 | 0 | 0.0 | 362.0 | 15925 | -80.4 | 0 | 0.0 | 362.4 | 15963 | -78.9 | 0 | 0.0 | 365.3 | 15986 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.5 | 0 | 0.0 | 358.7 | 15430 | -77.9 | 0 | 0.0 | 358.1 | 15469 | -75.6 | 0 | 0.0 | 362.3 | 15487 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.7 | 0 | 0.0 | 355.7 | 14968 | -74.2 | 0 | 0.0 | 356.6 | 15007 | -72.6 | 0 | 0.0 | 359.4 | 15021 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.8 | 0 | 0.0 | 353.3 | 14535 | -70.8 | 0 | 0.0 | 355.0 | 14571 | -69.9 | 0 | 0.0 | 356.7 | 14582 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.7 | 0 | 0.0 | 351.8 | 14125 | -67.7 | 0 | 0.0 | 353.6 | 14159 | -67.3 | 0 | 0.0 | 354.2 | 14169 | 150 |
| 160 | -63.5 | 21 | .0 | 354.2 | 13740 | -65.8 | 0 | 0.0 | 350.2 | 13736 | -64.7 | 0 | 0.0 | 352.1 | 13768 | -64.9 | 0 | 0.0 | 351.7 | 13778 | 160 |
| 170 | -61.2 | 23 | .0 | 351.9 | 13366 | -63.1 | 0 | 0.0 | 348.7 | 13365 | -61.8 | 0 | 0.0 | 350.8 | 13396 | -62.7 | 0 | 0.0 | 349.4 | 13406 | 170 |
| 180 | -59.0 | 24 | .0 | 349.8 | 13009 | -60.5 | 0 | 0.0 | 347.3 | 13011 | -59.0 | 0 | 0.0 | 349.7 | 13040 | -59.9 | 0 | 0.0 | 348.3 | 13052 | 180 |
| 190 | -57.0 | 25 | .0 | 347.7 | 12669 | -58.1 | 0 | 0.0 | 345.9 | 12673 | -56.4 | 0 | 0.0 | 348.5 | 12699 | -56.9 | 0 | 0.0 | 347.7 | 12712 | 190 |
| 200 | -55.0 | 25 | .0 | 345.7 | 12343 | -55.5 | 0 | 0.0 | 344.9 | 12348 | -53.9 | 0 | 0.0 | 347.4 | 12371 | -54.2 | 0 | 0.0 | 347.0 | 12385 | 200 |
| 225 | -50.6 | 25 | .0 | 341.2 | 11583 | -49.0 | 0 | 0.0 | 343.4 | 11586 | -48.2 | 0 | 0.0 | 344.7 | 11605 | -47.8 | 0 | 0.0 | 345.3 | 11618 | 225 |
| 250 | -46.6 | 25 | .1 | 337.1 | 10890 | -43.2 | 0 | 0.0 | 341.8 | 10885 | -42.9 | 19 | .1 | 342.6 | 10903 | -42.1 | 0 | 0.0 | 343.5 | 10914 | 250 |
| 275 | -42.9 | 25 | .1 | 333.4 | 10252 | -37.5 | 18 | .1 | 341.3 | 10236 | -36.8 | 19 | .1 | 342.3 | 10252 | -36.4 | 21 | .1 | 343.0 | 10262 | 275 |
| 300 | -33.0 | 25 | .2 | 339.7 | 9653 | -31.7 | 17 | .2 | 341.3 | 9628 | -31.3 | 18 | .2 | 342.0 | 9642 | -30.9 | 20 | .2 | 342.7 | 9651 | 300 |
| 325 | -26.0 | 25 | .4 | 342.3 | 9080 | -27.0 | 19 | .2 | 340.5 | 9056 | -26.7 | 22 | .3 | 341.0 | 9070 | -26.5 | 20 | .3 | 341.2 | 9078 | 325 |
| 350 | -22.4 | 25 | .5 | 340.3 | 8540 | -24.5 | 44 | .7 | 338.2 | 8518 | -23.0 | 21 | .4 | 339.2 | 8531 | -22.9 | 20 | .3 | 339.2 | 8539 | 350 |
| 375 | -19.1 | 25 | .6 | 338.5 | 8030 | -20.4 | 30 | .6 | 337.0 | 8012 | -20.7 | 30 | .6 | 336.4 | 8023 | -19.6 | 20 | .4 | 337.4 | 8030 | 375 |
| 400 | -16.0 | 25 | .7 | 336.8 | 7546 | -17.0 | 26 | .7 | 335.4 | 7531 | -16.6 | 18 | .5 | 335.2 | 7542 | -16.4 | 20 | .5 | 335.7 | 7547 | 400 |
| 425 | -12.7 | 25 | .8 | 335.8 | 7087 | -13.8 | 25 | .8 | 334.2 | 7073 | -14.0 | 19 | .6 | 333.2 | 7084 | -13.1 | 20 | .6 | 334.5 | 7088 | 425 |
| 450 | -9.6 | 25 | 1.0 | 334.9 | 6648 | -10.7 | 25 | .9 | 333.1 | 6636 | -11.4 | 19 | .7 | 331.4 | 6648 | -10.1 | 20 | .8 | 333.4 | 6650 | 450 |
| 475 | -7.2 | 25 | 1.1 | 333.2 | 6228 | -7.8 | 24 | 1.1 | 332.1 | 6218 | -8.2 | 18 | .8 | 330.7 | 6231 | -7.2 | 19 | .9 | 332.4 | 6231 | 475 |
| 500 | -5.9 | 23 | 1.1 | 329.8 | 5828 | -5.1 | 23 | 1.2 | 331.2 | 5817 | -5.2 | 18 | .9 | 330.0 | 5831 | -4.4 | 19 | 1.1 | 331.5 | 5830 | 500 |
| 525 | -2.6 | 21 | 1.3 | 329.8 | 5443 | -2.5 | 23 | 1.4 | 330.3 | 5432 | -2.3 | 17 | 1.0 | 329.4 | 5445 | -1.8 | 19 | 1.2 | 330.6 | 5443 | 525 |
| 550 | .5 | 20 | 1.4 | 329.7 | 5072 | -.0 | 22 | 1.5 | 329.5 | 5061 | .4 | 16 | 1.2 | 328.7 | 5074 | .1 | 19 | 1.4 | 329.0 | 5072 | 550 |
| 575 | 2.8 | 20 | 1.6 | 328.8 | 4714 | 2.2 | 23 | 1.8 | 328.7 | 4704 | 2.5 | 16 | 1.3 | 327.4 | 4716 | 1.6 | 20 | 1.5 | 327.0 | 4715 | 575 |
| 600 | 2.5 | 33 | 2.5 | 327.3 | 4370 | 3.8 | 26 | 2.2 | 327.9 | 4359 | 4.0 | 16 | 1.3 | 325.4 | 4372 | 2.9 | 21 | 1.6 | 325.1 | 4371 | 600 |
| 625 | 2.9 | 95 | 7.2 | 338.0 | 4039 | 4.8 | 23 | 2.0 | 324.6 | 4027 | 2.9 | 27 | 2.0 | 322.6 | 4040 | 4.2 | 21 | 1.8 | 323.3 | 4040 | 625 |
| 650 | 4.4 | 99 | 8.0 | 338.5 | 3720 | 2.9 | 87 | 6.3 | 331.7 | 3709 | 2.4 | 50 | 3.5 | 322.8 | 3723 | 5.5 | 30 | 2.6 | 323.6 | 3721 | 650 |
| 675 | 6.0 | 99 | 8.7 | 338.7 | 3410 | 5.5 | 69 | 5.8 | 329.8 | 3401 | 4.7 | 57 | 4.5 | 324.9 | 3417 | 7.2 | 46 | 4.4 | 327.5 | 3411 | 675 |
| 700 | 8.6 | 92 | 9.2 | 339.9 | 3110 | 8.0 | 52 | 5.0 | 326.9 | 3102 | 7.4 | 50 | 4.6 | 324.9 | 3119 | 9.4 | 36 | 3.8 | 324.9 | 3111 | 700 |
| 725 | 10.8 | 63 | 7.1 | 332.9 | 2818 | 9.7 | 46 | 4.8 | 324.9 | 2811 | 9.9 | 43 | 4.5 | 324.5 | 2828 | 11.2 | 32 | 3.7 | 323.5 | 2819 | 725 |
| 750 | 12.2 | 44 | 5.2 | 325.9 | 2534 | 11.2 | 41 | 4.6 | 323.0 | 2529 | 12.1 | 42 | 5.0 | 325.2 | 2545 | 12.8 | 34 | 4.2 | 323.7 | 2535 | 750 |
| 775 | 13.6 | 45 | 5.7 | 326.0 | 2259 | 12.7 | 37 | 4.3 | 321.0 | 2254 | 13.5 | 45 | 5.6 | 325.6 | 2270 | 14.3 | 36 | 4.7 | 323.9 | 2259 | 775 |
| 800 | 14.9 | 47 | 6.3 | 326.2 | 1991 | 13.7 | 40 | 4.9 | 320.9 | 1987 | 14.6 | 35 | 4.5 | 320.6 | 2002 | 15.7 | 38 | 5.3 | 324.3 | 1990 | 800 |
| 825 | 16.2 | 49 | 6.8 | 326.4 | 1729 | 12.8 | 83 | 9.4 | 329.4 | 1728 | 14.6 | 53 | 6.8 | 324.2 | 1742 | 16.4 | 47 | 6.6 | 325.9 | 1728 | 825 |
| 850 | 16.9 | 62 | 8.9 | 330.1 | 1475 | 13.8 | 95 | 11.1 | 332.4 | 1476 | 14.6 | 72 | 8.8 | 327.2 | 1489 | 16.0 | 64 | 8.6 | 328.2 | 1474 | 850 |
| 875 | 17.4 | 79 | 11.3 | 334.4 | 1227 | 15.5 | 94 | 12.0 | 334.2 | 1230 | 15.3 | 83 | 10.5 | 329.7 | 1243 | 17.1 | 67 | 9.4 | 329.1 | 1227 | 875 |
| 900 | 17.9 | 93 | 13.4 | 338.2 | 985 | 17.2 | 94 | 12.9 | 336.0 | 990 | 17.2 | 84 | 11.7 | 332.5 | 1003 | 18.3 | 69 | 10.2 | 329.9 | 986 | 900 |
| 925 | 18.9 | 91 | 13.7 | 337.5 | 749 | 18.8 | 93 | 13.9 | 337.9 | 754 | 19.1 | 85 | 12.9 | 335.5 | 767 | 19.5 | 71 | 11.0 | 330.8 | 750 | 925 |
| 950 | 20.4 | 89 | 14.4 | 338.4 | 519 | 20.4 | 92 | 14.9 | 339.9 | 523 | 20.9 | 86 | 14.2 | 338.7 | 536 | 20.7 | 72 | 11.8 | 331.8 | 519 | 950 |
| 975 | 22.6 | 88 | 15.8 | 342.5 | 293 | 22.0 | 92 | 15.9 | 341.9 | 297 | 22.7 | 87 | 15.7 | 342.1 | 310 | 22.8 | 67 | 12.0 | 332.5 | 293 | 975 |
| 1000 | 24.8 | 86 | 17.3 | 346.7 | 70 | 24.2 | 91 | 17.7 | 346.9 | 75 | 24.4 | 88 | 17.1 | 345.8 | 88 | 25.0 | 79 | 16.0 | 343.5 | 71 | 1000 |
| SFC. | 25.5 | 86 | 17.8 | 348.1 | 0 | 25.0 | 91 | 18.3 | 348.7 | 0 | 25.1 | 88 | 17.8 | 347.3 | 0 | 25.7 | 89 | 18.7 | 350.7 | 0 | SFC. |
| | SURFACE PRESSURE 1008.0 | | | | | SURFACE PRESSURE 1008.6 | | | | | SURFACE PRESSURE 1010.0 | | | | | SURFACE PRESSURE 1008.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 2/27 533 GMT T | RH | W | EPT | H | 2/27 1229 GMT T | RH | W | EPT | H | 2/27 1855 GMT T | RH | W | EPT | H | 2/27 23 4 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.9 | 0 | 0.0 | 459.0 | 19442 | -68.3 | 0 | 0.0 | 458.0 | 19432 | -64.6 | 0 | 0.0 | 466.4 | 19552 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -70.6 | 0 | 0.0 | 433.4 | 18521 | -69.2 | 0 | 0.0 | 436.4 | 18508 | -69.5 | 21 | .0 | 435.8 | 18619 | -66.1 | 0 | 0.0 | 443.0 | 18587 | 70 |
| 80 | -75.6 | 0 | 0.0 | 406.8 | 17738 | -77.3 | 0 | 0.0 | 403.2 | 17721 | -78.6 | 22 | .0 | 400.7 | 17830 | -74.2 | 0 | 0.0 | 409.8 | 17793 | 80 |
| 90 | -80.3 | 0 | 0.0 | 384.1 | 17065 | -77.7 | 0 | 0.0 | 389.2 | 17049 | -79.9 | 24 | .0 | 384.7 | 17162 | -79.2 | 0 | 0.0 | 386.3 | 17118 | 90 |
| 100 | -82.6 | 0 | 0.0 | 368.2 | 16475 | -80.9 | 0 | 0.0 | 371.4 | 16450 | -79.8 | 23 | .0 | 373.6 | 16563 | -79.0 | 0 | 0.0 | 375.0 | 16517 | 100 |
| 110 | -81.0 | 0 | 0.0 | 361.2 | 15942 | -79.2 | 0 | 0.0 | 364.6 | 15911 | -78.4 | 23 | .0 | 366.2 | 16023 | -79.4 | 0 | 0.0 | 364.3 | 15977 | 110 |
| 120 | -77.4 | 0 | 0.0 | 359.0 | 15448 | -76.9 | 0 | 0.0 | 359.8 | 15414 | -75.6 | 23 | .0 | 362.3 | 15524 | -75.9 | 0 | 0.0 | 361.8 | 15479 | 120 |
| 130 | -74.0 | 0 | 0.0 | 357.0 | 14985 | -73.9 | 0 | 0.0 | 357.2 | 14951 | -73.0 | 23 | .0 | 358.7 | 15057 | -72.6 | 0 | 0.0 | 359.4 | 15013 | 130 |
| 140 | -70.9 | 0 | 0.0 | 355.0 | 14549 | -70.6 | 0 | 0.0 | 355.4 | 14515 | -70.7 | 23 | .0 | 355.4 | 14621 | -69.7 | 0 | 0.0 | 357.1 | 14574 | 140 |
| 150 | -68.0 | 0 | 0.0 | 353.0 | 14138 | -67.6 | 0 | 0.0 | 353.7 | 14103 | -67.9 | 23 | .0 | 353.2 | 14209 | -66.6 | 0 | 0.0 | 355.4 | 14160 | 150 |
| 160 | -65.3 | 32 | .0 | 351.2 | 13747 | -64.7 | 0 | 0.0 | 352.0 | 13712 | -63.9 | 23 | .0 | 353.5 | 13817 | -63.6 | 0 | 0.0 | 353.9 | 13767 | 160 |
| 170 | -62.9 | 37 | .0 | 349.1 | 13376 | -62.1 | 0 | 0.0 | 350.4 | 13339 | -60.1 | 24 | .0 | 353.7 | 13442 | -60.8 | 0 | 0.0 | 352.5 | 13392 | 170 |
| 180 | -60.2 | 30 | .0 | 347.9 | 13022 | -59.5 | 0 | 0.0 | 348.8 | 12984 | -57.2 | 24 | .0 | 352.8 | 13083 | -58.2 | 0 | 0.0 | 351.1 | 13035 | 180 |
| 190 | -57.6 | 30 | .0 | 346.7 | 12683 | -57.2 | 0 | 0.0 | 347.3 | 12644 | -55.2 | 23 | .0 | 350.5 | 12740 | -55.7 | 0 | 0.0 | 349.7 | 12692 | 190 |
| 200 | -55.2 | 30 | .0 | 345.5 | 12357 | -54.8 | 0 | 0.0 | 346.0 | 12318 | -53.4 | 22 | .0 | 348.4 | 12411 | -53.3 | 0 | 0.0 | 348.4 | 12364 | 200 |
| 225 | -49.6 | 30 | .1 | 342.7 | 11596 | -49.1 | 0 | 0.0 | 343.2 | 11555 | -47.9 | 22 | .0 | 345.4 | 11644 | -47.8 | 0 | 0.0 | 345.3 | 11596 | 225 |
| 250 | -43.7 | 29 | .1 | 341.4 | 10897 | -44.1 | 0 | 0.0 | 340.6 | 10856 | -42.6 | 21 | .1 | 343.1 | 10940 | -42.9 | 0 | 0.0 | 342.3 | 10893 | 250 |
| 275 | -38.2 | 27 | .1 | 340.4 | 10249 | -39.3 | 17 | .1 | 338.6 | 10210 | -37.6 | 21 | .1 | 341.2 | 10290 | -38.1 | 19 | .1 | 340.5 | 10244 | 275 |
| 300 | -33.2 | 26 | .2 | 339.4 | 9644 | -34.1 | 16 | .1 | 337.9 | 9607 | -32.7 | 20 | .2 | 340.0 | 9684 | -33.1 | 19 | .1 | 339.3 | 9639 | 300 |
| 325 | -28.6 | 25 | .3 | 338.4 | 9076 | -29.2 | 16 | .2 | 337.1 | 9041 | -28.1 | 20 | .2 | 338.9 | 9115 | -28.6 | 19 | .2 | 338.2 | 9071 | 325 |
| 350 | -24.3 | 24 | .4 | 337.4 | 8540 | -24.7 | 15 | .2 | 336.3 | 8507 | -23.9 | 20 | .3 | 337.8 | 8578 | -24.3 | 18 | .3 | 337.1 | 8535 | 350 |
| 375 | -20.4 | 22 | .5 | 336.4 | 8034 | -22.0 | 17 | .3 | 333.7 | 8002 | -20.0 | 19 | .4 | 336.7 | 8070 | -20.4 | 18 | .4 | 336.1 | 8028 | 375 |
| 400 | -16.6 | 21 | .6 | 335.5 | 7552 | -17.5 | 14 | .3 | 333.6 | 7523 | -16.3 | 19 | .5 | 335.8 | 7588 | -16.7 | 18 | .5 | 335.1 | 7547 | 400 |
| 425 | -13.1 | 21 | .7 | 334.6 | 7093 | -14.4 | 13 | .4 | 332.1 | 7066 | -13.2 | 19 | .6 | 334.3 | 7129 | -13.7 | 21 | .7 | 333.8 | 7089 | 425 |
| 450 | -10.3 | 20 | .8 | 333.2 | 6655 | -11.4 | 13 | .5 | 330.6 | 6630 | -10.3 | 18 | .7 | 333.0 | 6692 | -10.9 | 25 | .9 | 332.8 | 6652 | 450 |
| 475 | -8.4 | 22 | .9 | 331.0 | 6237 | -8.6 | 12 | .5 | 329.2 | 6213 | -7.5 | 18 | .8 | 331.7 | 6273 | -8.3 | 23 | 1.0 | 331.4 | 6235 | 475 |
| 500 | -5.6 | 21 | 1.1 | 330.0 | 5838 | -6.0 | 12 | .6 | 327.9 | 5814 | -4.9 | 18 | .9 | 330.5 | 5872 | -5.7 | 21 | 1.1 | 329.9 | 5835 | 500 |
| 525 | -2.5 | 20 | 1.2 | 329.7 | 5453 | -3.5 | 11 | .6 | 326.6 | 5430 | -2.4 | 17 | 1.1 | 329.4 | 5486 | -3.3 | 19 | 1.1 | 328.4 | 5451 | 525 |
| 550 | -.3 | 19 | 1.3 | 328.2 | 5082 | -1.1 | 11 | .7 | 325.3 | 5061 | .0 | 17 | 1.2 | 328.3 | 5116 | -1.0 | 18 | 1.1 | 326.9 | 5081 | 550 |
| 575 | .6 | 18 | 1.3 | 325.1 | 4726 | 1.2 | 10 | .7 | 324.1 | 4705 | 1.6 | 18 | 1.3 | 326.5 | 4759 | 1.2 | 16 | 1.1 | 325.4 | 4725 | 575 |
| 600 | 1.4 | 18 | 1.3 | 322.2 | 4384 | 2.3 | 12 | .9 | 321.9 | 4362 | 2.5 | 24 | 1.9 | 325.4 | 4415 | 2.3 | 44 | 3.3 | 329.5 | 4382 | 600 |
| 625 | 2.2 | 53 | 3.8 | 327.1 | 4055 | 2.6 | 38 | 2.8 | 324.6 | 4033 | 4.4 | 40 | 3.4 | 328.5 | 4084 | 3.6 | 33 | 2.6 | 325.1 | 4052 | 625 |
| 650 | 4.9 | 22 | 1.8 | 320.5 | 3737 | 4.0 | 48 | 3.7 | 325.4 | 3714 | 6.3 | 34 | 3.1 | 326.3 | 3764 | 5.5 | 40 | 3.5 | 326.5 | 3732 | 650 |
| 675 | 6.8 | 30 | 2.8 | 322.4 | 3428 | 5.3 | 57 | 4.7 | 326.4 | 3406 | 8.1 | 39 | 4.0 | 327.4 | 3453 | 7.4 | 47 | 4.5 | 328.2 | 3422 | 675 |
| 700 | 8.7 | 39 | 3.9 | 324.5 | 3128 | 6.6 | 66 | 5.8 | 327.6 | 3108 | 9.9 | 45 | 4.9 | 328.8 | 3152 | 9.2 | 50 | 5.3 | 329.2 | 3121 | 700 |
| 725 | 11.6 | 25 | 3.0 | 321.8 | 2836 | 7.9 | 75 | 6.9 | 329.0 | 2819 | 11.2 | 52 | 6.0 | 330.5 | 2859 | 10.9 | 43 | 4.8 | 326.6 | 2830 | 725 |
| 750 | 13.5 | 22 | 2.9 | 320.6 | 2552 | 9.1 | 83 | 8.1 | 330.5 | 2538 | 12.4 | 61 | 7.3 | 332.3 | 2575 | 11.1 | 44 | 4.8 | 323.5 | 2546 | 750 |
| 775 | 15.4 | 19 | 2.8 | 319.3 | 2276 | 10.2 | 92 | 9.3 | 332.1 | 2265 | 13.4 | 69 | 8.6 | 334.2 | 2299 | 12.8 | 69 | 8.2 | 332.3 | 2272 | 775 |
| 800 | 16.4 | 42 | 6.1 | 327.5 | 2006 | 11.6 | 97 | 10.5 | 334.0 | 1999 | 14.5 | 77 | 10.0 | 336.2 | 2031 | 14.2 | 75 | 9.6 | 334.7 | 2004 | 800 |
| 825 | 15.1 | 98 | 12.9 | 342.0 | 1744 | 13.5 | 97 | 11.5 | 336.0 | 1740 | 15.5 | 84 | 11.4 | 338.4 | 1769 | 15.3 | 79 | 10.5 | 335.7 | 1743 | 825 |
| 850 | 16.4 | 98 | 13.6 | 342.5 | 1490 | 15.2 | 97 | 12.5 | 338.2 | 1487 | 16.9 | 79 | 11.3 | 336.9 | 1515 | 16.4 | 83 | 11.5 | 336.7 | 1489 | 850 |
| 875 | 17.6 | 98 | 14.3 | 343.1 | 1241 | 17.0 | 96 | 13.5 | 339.9 | 1239 | 18.4 | 74 | 11.3 | 335.8 | 1266 | 17.4 | 87 | 12.5 | 337.8 | 1241 | 875 |
| 900 | 18.9 | 97 | 15.0 | 343.7 | 999 | 18.7 | 94 | 14.3 | 341.6 | 997 | 20.0 | 76 | 12.6 | 338.4 | 1023 | 18.3 | 91 | 13.5 | 338.9 | 999 | 900 |
| 925 | 20.1 | 97 | 15.7 | 344.4 | 762 | 20.3 | 93 | 15.2 | 343.3 | 760 | 21.5 | 79 | 13.9 | 341.1 | 786 | 19.7 | 91 | 14.3 | 340.1 | 763 | 925 |
| 950 | 21.2 | 97 | 16.4 | 345.1 | 530 | 21.9 | 91 | 16.1 | 345.0 | 528 | 22.9 | 81 | 15.3 | 344.1 | 553 | 21.8 | 85 | 14.8 | 341.2 | 531 | 950 |
| 975 | 22.9 | 94 | 17.2 | 346.5 | 303 | 23.5 | 90 | 17.0 | 346.8 | 301 | 24.4 | 84 | 16.7 | 347.2 | 325 | 23.8 | 79 | 15.1 | 342.0 | 304 | 975 |
| 1000 | 24.7 | 90 | 17.9 | 348.1 | 81 | 25.0 | 88 | 17.9 | 348.5 | 78 | 25.8 | 86 | 18.2 | 350.5 | 101 | 25.5 | 78 | 16.3 | 344.9 | 81 | 1000 |
| SFC. | 25.4 | 88 | 18.1 | 348.7 | 0 | 25.5 | 88 | 18.2 | 349.1 | 0 | 26.4 | 87 | 19.0 | 352.1 | 0 | 26.1 | 81 | 17.3 | 347.5 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.2 | SURFACE PRESSURE | | | | 1008.9 | SURFACE PRESSURE | | | | 1011.5 | SURFACE PRESSURE | | | | 1009.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 2/28 5 0 GMT | | | | | 2/28 1118 GMT | | | | | 2/28 23 0 GMT | | | | | 3/ 1 1 6 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.5 | 0 | 0.0 | 457.5 | 19518 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.2 | 0 | 0.0 | 465.0 | 19569 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.0 | 0 | 0.0 | 436.7 | 18595 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.0 | 21 | .0 | 441.1 | 18638 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 0 | 0.0 | 415.1 | 17801 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.2 | 20 | .0 | 409.8 | 17844 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.9 | 0 | 0.0 | 396.8 | 17110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.0 | 21 | .0 | 386.6 | 17166 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.2 | 0 | 0.0 | 370.9 | 16503 | -74.7 | 0 | 0.0 | 383.4 | 16531 | -75.6 | 21 | .0 | 381.7 | 16562 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.0 | 0 | 0.0 | 366.9 | 15963 | -75.8 | 0 | 0.0 | 371.0 | 15980 | -76.1 | 20 | .0 | 370.5 | 16011 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 0 | 0.0 | 363.2 | 15462 | -73.4 | 0 | 0.0 | 366.4 | 15474 | -73.4 | 20 | .0 | 366.3 | 15505 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.5 | 0 | 0.0 | 359.7 | 14995 | -71.1 | 0 | 0.0 | 362.2 | 15003 | -71.0 | 20 | .0 | 362.4 | 15034 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.0 | 0 | 0.0 | 356.5 | 14557 | -69.0 | 0 | 0.0 | 358.3 | 14562 | -68.7 | 20 | .0 | 358.8 | 14593 | 140 |
| 150 | -66.2 | 23 | .0 | 356.0 | 14168 | -67.7 | 0 | 0.0 | 353.5 | 14144 | -67.0 | 0 | 0.0 | 354.6 | 14147 | -66.6 | 20 | .0 | 355.4 | 14178 | 150 |
| 160 | -63.7 | 23 | .0 | 353.9 | 13775 | -65.1 | 0 | 0.0 | 351.4 | 13753 | -64.6 | 0 | 0.0 | 352.3 | 13756 | -64.5 | 20 | .0 | 352.5 | 13786 | 160 |
| 170 | -61.0 | 23 | .0 | 352.2 | 13400 | -62.3 | 0 | 0.0 | 350.0 | 13381 | -61.7 | 0 | 0.0 | 351.0 | 13383 | -61.4 | 20 | .0 | 351.5 | 13412 | 170 |
| 180 | -58.4 | 23 | .0 | 350.7 | 13043 | -59.6 | 0 | 0.0 | 348.7 | 13026 | -59.0 | 0 | 0.0 | 349.8 | 13027 | -58.6 | 20 | .0 | 350.5 | 13056 | 180 |
| 190 | -55.9 | 22 | .0 | 349.5 | 12701 | -57.1 | 0 | 0.0 | 347.4 | 12686 | -56.4 | 0 | 0.0 | 348.5 | 12686 | -55.8 | 19 | .0 | 349.6 | 12714 | 190 |
| 200 | -53.5 | 22 | .0 | 348.2 | 12373 | -54.7 | 0 | 0.0 | 346.1 | 12360 | -54.0 | 0 | 0.0 | 347.3 | 12358 | -53.2 | 19 | .0 | 348.6 | 12385 | 200 |
| 225 | -47.8 | 21 | .0 | 345.4 | 11606 | -48.6 | 0 | 0.0 | 344.1 | 11596 | -48.4 | 0 | 0.0 | 344.4 | 11592 | -48.2 | 20 | .0 | 344.8 | 11617 | 225 |
| 250 | -42.5 | 21 | .1 | 343.2 | 10902 | -42.5 | 0 | 0.0 | 342.9 | 10894 | -42.8 | 0 | 0.0 | 342.5 | 10891 | -42.3 | 19 | .1 | 343.4 | 10914 | 250 |
| 275 | -37.7 | 20 | .1 | 341.0 | 10252 | -37.2 | 18 | .1 | 341.8 | 10242 | -37.3 | 18 | .1 | 341.6 | 10240 | -37.0 | 18 | .1 | 342.0 | 10263 | 275 |
| 300 | -33.3 | 20 | .2 | 339.2 | 9646 | -32.5 | 18 | .2 | 340.3 | 9635 | -32.9 | 18 | .1 | 339.6 | 9633 | -32.2 | 17 | .1 | 340.6 | 9655 | 300 |
| 325 | -28.7 | 20 | .2 | 338.0 | 9079 | -28.2 | 18 | .2 | 338.7 | 9066 | -28.8 | 19 | .2 | 337.8 | 9065 | -28.1 | 17 | .2 | 338.8 | 9085 | 325 |
| 350 | -24.5 | 20 | .3 | 336.9 | 8544 | -24.5 | 18 | .3 | 336.8 | 8530 | -25.0 | 19 | .3 | 336.1 | 8531 | -24.5 | 17 | .3 | 336.7 | 8549 | 350 |
| 375 | -20.6 | 20 | .4 | 335.8 | 8037 | -21.1 | 18 | .3 | 335.0 | 8024 | -21.5 | 19 | .3 | 334.5 | 8026 | -21.2 | 17 | .3 | 334.8 | 8043 | 375 |
| 400 | -17.0 | 20 | .5 | 334.8 | 7556 | -17.9 | 18 | .4 | 333.3 | 7545 | -18.2 | 19 | .4 | 333.0 | 7547 | -18.1 | 17 | .4 | 333.0 | 7564 | 400 |
| 425 | -13.6 | 20 | .6 | 333.9 | 7098 | -14.6 | 18 | .5 | 332.1 | 7089 | -14.8 | 18 | .5 | 332.0 | 7091 | -14.4 | 17 | .5 | 332.4 | 7108 | 425 |
| 450 | -10.4 | 19 | .7 | 333.0 | 6661 | -11.6 | 18 | .6 | 331.0 | 6653 | -11.5 | 18 | .6 | 331.0 | 6656 | -10.9 | 17 | .6 | 331.8 | 6672 | 450 |
| 475 | -7.4 | 19 | .9 | 332.1 | 6242 | -8.7 | 17 | .7 | 329.9 | 6236 | -8.5 | 17 | .7 | 330.1 | 6239 | -7.7 | 17 | .8 | 331.3 | 6254 | 475 |
| 500 | -4.6 | 19 | 1.0 | 331.2 | 5841 | -5.9 | 17 | .8 | 328.9 | 5837 | -5.6 | 17 | .8 | 329.3 | 5839 | -4.5 | 17 | .9 | 330.9 | 5852 | 500 |
| 525 | -2.3 | 18 | 1.1 | 329.6 | 5456 | -3.3 | 17 | 1.0 | 327.9 | 5453 | -2.8 | 16 | .9 | 328.4 | 5454 | -1.9 | 17 | 1.1 | 330.0 | 5466 | 525 |
| 550 | .5 | 17 | 1.2 | 328.9 | 5084 | -1.3 | 17 | 1.1 | 326.4 | 5084 | -.7 | 16 | 1.1 | 327.1 | 5084 | .2 | 18 | 1.2 | 328.8 | 5095 | 550 |
| 575 | 2.3 | 16 | 1.2 | 327.1 | 4726 | .2 | 17 | 1.1 | 324.2 | 4729 | 1.2 | 17 | 1.2 | 325.7 | 4728 | 2.3 | 18 | 1.4 | 327.6 | 4738 | 575 |
| 600 | 3.4 | 16 | 1.3 | 324.6 | 4382 | 1.6 | 17 | 1.2 | 322.2 | 4387 | 3.1 | 17 | 1.3 | 324.4 | 4385 | 4.3 | 18 | 1.6 | 326.6 | 4393 | 600 |
| 625 | 3.5 | 43 | 3.4 | 327.6 | 4051 | 3.2 | 18 | 1.4 | 320.8 | 4057 | 4.9 | 17 | 1.5 | 323.1 | 4053 | 6.1 | 19 | 1.8 | 325.6 | 4060 | 625 |
| 650 | 5.6 | 35 | 3.0 | 325.2 | 3731 | 5.1 | 20 | 1.7 | 320.4 | 3738 | 6.6 | 18 | 1.6 | 322.0 | 3733 | 8.0 | 19 | 2.0 | 324.7 | 3737 | 650 |
| 675 | 7.7 | 28 | 2.7 | 323.1 | 3421 | 7.0 | 22 | 2.1 | 320.3 | 3429 | 8.2 | 18 | 1.8 | 320.9 | 3422 | 9.7 | 20 | 2.2 | 323.8 | 3425 | 675 |
| 700 | 9.8 | 27 | 2.9 | 322.8 | 3121 | 8.7 | 25 | 2.5 | 320.3 | 3130 | 9.8 | 18 | 2.0 | 319.9 | 3121 | 11.4 | 20 | 2.4 | 323.1 | 3123 | 700 |
| 725 | 11.5 | 45 | 5.3 | 328.7 | 2828 | 10.5 | 27 | 3.0 | 320.5 | 2839 | 11.3 | 18 | 2.1 | 318.9 | 2829 | 13.0 | 20 | 2.6 | 322.4 | 2829 | 725 |
| 750 | 12.8 | 38 | 4.7 | 325.1 | 2544 | 12.1 | 29 | 3.5 | 320.8 | 2556 | 12.8 | 19 | 2.3 | 318.0 | 2546 | 14.6 | 21 | 2.9 | 321.7 | 2543 | 750 |
| 775 | 13.8 | 42 | 5.4 | 325.2 | 2268 | 13.2 | 44 | 5.5 | 324.9 | 2280 | 14.2 | 20 | 2.6 | 317.4 | 2270 | 16.1 | 21 | 3.1 | 321.1 | 2266 | 775 |
| 800 | 14.4 | 57 | 7.4 | 328.9 | 2000 | 13.1 | 88 | 10.4 | 335.8 | 2013 | 15.8 | 28 | 4.0 | 320.6 | 2002 | 17.3 | 27 | 4.2 | 322.7 | 1996 | 800 |
| 825 | 15.6 | 50 | 6.8 | 325.5 | 1739 | 14.5 | 83 | 10.4 | 334.4 | 1753 | 17.4 | 37 | 5.6 | 324.1 | 1740 | 18.2 | 36 | 5.7 | 325.3 | 1733 | 825 |
| 850 | 16.9 | 67 | 9.6 | 332.0 | 1485 | 15.9 | 79 | 10.6 | 333.8 | 1499 | 18.9 | 45 | 7.3 | 327.9 | 1484 | 19.1 | 44 | 7.2 | 327.9 | 1477 | 850 |
| 875 | 18.3 | 66 | 9.9 | 331.8 | 1237 | 17.7 | 79 | 11.5 | 335.6 | 1251 | 17.8 | 56 | 8.2 | 326.5 | 1235 | 18.2 | 59 | 9.0 | 329.0 | 1228 | 875 |
| 900 | 19.6 | 64 | 10.3 | 331.6 | 994 | 19.5 | 78 | 12.5 | 337.6 | 1009 | 19.1 | 57 | 8.8 | 327.0 | 994 | 19.7 | 58 | 9.3 | 329.0 | 986 | 900 |
| 925 | 19.4 | 89 | 13.8 | 338.2 | 758 | 20.5 | 83 | 13.8 | 339.6 | 771 | 21.0 | 55 | 9.4 | 328.2 | 757 | 20.9 | 61 | 10.3 | 330.7 | 749 | 925 |
| 950 | 21.4 | 86 | 14.7 | 340.5 | 527 | 20.7 | 94 | 15.4 | 341.5 | 540 | 21.5 | 68 | 11.5 | 332.1 | 526 | 21.9 | 70 | 12.2 | 334.5 | 517 | 950 |
| 975 | 23.4 | 82 | 15.5 | 342.6 | 300 | 22.8 | 90 | 16.3 | 343.9 | 314 | 23.0 | 70 | 12.8 | 334.7 | 299 | 23.4 | 77 | 14.5 | 339.9 | 290 | 975 |
| 1000 | 25.3 | 79 | 16.3 | 344.7 | 77 | 24.8 | 86 | 17.1 | 346.1 | 91 | 24.9 | 77 | 15.5 | 342.1 | 77 | 25.2 | 83 | 17.0 | 346.3 | 68 | 1000 |
| SFC. | 26.0 | 78 | 16.6 | 345.4 | 0 | 25.6 | 84 | 17.4 | 347.0 | 0 | 25.6 | 82 | 17.0 | 346.1 | 0 | 25.7 | 85 | 17.8 | 348.4 | 0 | SFC. |
| | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1010.4 | | | | | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1007.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — SHIP SURVEYOR

| P | 3/ 1 348 GMT T | RH | W | EPT | H | 3/ 1 648 GMT T | RH | W | EPT | H | 3/ 1 935 GMT T | RH | W | EPT | H | 3/ 1 1150 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.3 | 21 | .0 | 462.6 | 19527 | -67.1 | 23 | .0 | 460.8 | 19523 | -65.7 | 0 | 0.0 | 463.8 | 19509 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -70.6 | 21 | .0 | 433.4 | 18605 | -69.9 | 20 | .0 | 435.0 | 18603 | -70.4 | 18 | .0 | 433.9 | 18586 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -73.1 | 21 | .0 | 412.0 | 17814 | -73.2 | 19 | .0 | 411.8 | 17810 | -73.2 | 19 | .0 | 411.9 | 17797 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -78.8 | 23 | .0 | 387.0 | 17136 | -79.5 | 25 | .0 | 385.5 | 17132 | -78.6 | 19 | .0 | 387.4 | 17113 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -76.6 | 22 | .0 | 379.8 | 16535 | -76.4 | 24 | .0 | 380.2 | 16530 | -77.6 | 19 | .0 | 377.9 | 16511 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -76.6 | 22 | .0 | 369.6 | 15984 | -76.0 | 23 | .0 | 370.6 | 15982 | -76.1 | 19 | .0 | 370.5 | 15964 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -73.9 | 21 | .0 | 365.4 | 15481 | -73.3 | 22 | .0 | 366.6 | 15477 | -72.6 | 20 | .0 | 367.8 | 15457 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -71.5 | 21 | .0 | 361.4 | 15010 | -70.7 | 21 | .0 | 362.9 | 15005 | -70.6 | 20 | .0 | 363.0 | 14984 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -70.4 | 22 | .0 | 355.8 | 14572 | -69.7 | 21 | .0 | 357.1 | 14565 | -70.5 | 19 | .0 | 355.6 | 14545 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -67.9 | 21 | .0 | 353.2 | 14160 | -67.3 | 21 | .0 | 354.2 | 14151 | -68.2 | 20 | .0 | 352.6 | 14133 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.0 | 21 | .0 | 351.6 | 13769 | -65.1 | 21 | .0 | 351.5 | 13760 | -65.5 | 20 | .0 | 350.8 | 13743 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.2 | 21 | .0 | 350.3 | 13397 | -62.6 | 21 | .0 | 349.6 | 13388 | -62.6 | 20 | .0 | 349.6 | 13372 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.1 | 21 | .0 | 349.6 | 13041 | -59.6 | 21 | .0 | 348.8 | 13033 | -59.9 | 20 | .0 | 348.4 | 13017 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -56.2 | 20 | .0 | 349.0 | 12700 | -56.8 | 20 | .0 | 348.0 | 12693 | -57.2 | 20 | .0 | 347.3 | 12678 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -53.4 | 20 | .0 | 348.3 | 12372 | -54.1 | 20 | .0 | 347.2 | 12366 | -54.6 | 20 | .0 | 346.5 | 12351 | -53.5 | 0 | 0.0 | 348.1 | 12336 | 200 |
| 225 | -48.0 | 20 | .0 | 345.2 | 11605 | -48.0 | 19 | .0 | 345.1 | 11600 | -48.4 | 19 | .0 | 344.5 | 11587 | -47.6 | 0 | 0.0 | 345.6 | 11569 | 225 |
| 250 | -43.1 | 20 | .1 | 342.3 | 10902 | -42.6 | 18 | .1 | 343.1 | 10897 | -42.9 | 18 | .1 | 342.5 | 10885 | -42.3 | 0 | 0.0 | 343.1 | 10864 | 250 |
| 275 | -37.5 | 19 | .1 | 341.3 | 10253 | -37.5 | 18 | .1 | 341.4 | 10246 | -37.6 | 17 | .1 | 341.1 | 10235 | -37.9 | 25 | .1 | 340.9 | 10214 | 275 |
| 300 | -32.1 | 17 | .1 | 340.7 | 9646 | -32.8 | 18 | .1 | 339.7 | 9640 | -32.4 | 16 | .1 | 340.3 | 9628 | -33.8 | 24 | .2 | 338.5 | 9609 | 300 |
| 325 | -28.4 | 17 | .2 | 338.4 | 9076 | -28.5 | 18 | .2 | 338.2 | 9071 | -28.2 | 15 | .2 | 338.5 | 9059 | -28.1 | 21 | .2 | 338.9 | 9042 | 325 |
| 350 | -25.2 | 18 | .2 | 335.8 | 8541 | -25.4 | 18 | .2 | 335.5 | 8536 | -25.2 | 16 | .2 | 335.7 | 8524 | -24.7 | 21 | .3 | 336.7 | 8505 | 350 |
| 375 | -22.1 | 18 | .3 | 333.6 | 8037 | -22.3 | 18 | .3 | 333.3 | 8033 | -22.6 | 18 | .3 | 332.8 | 8020 | -22.8 | 23 | .4 | 332.9 | 8001 | 375 |
| 400 | -18.4 | 18 | .4 | 332.6 | 7559 | -18.5 | 18 | .4 | 332.4 | 7555 | -19.0 | 17 | .4 | 331.7 | 7543 | -19.4 | 23 | .5 | 331.6 | 7525 | 400 |
| 425 | -14.4 | 17 | .5 | 332.4 | 7103 | -15.0 | 18 | .5 | 331.6 | 7100 | -15.7 | 17 | .4 | 330.6 | 7089 | -15.8 | 22 | .6 | 330.9 | 7071 | 425 |
| 450 | -10.6 | 16 | .6 | 332.2 | 6667 | -11.7 | 18 | .6 | 330.8 | 6665 | -12.5 | 17 | .5 | 329.5 | 6655 | -12.4 | 21 | .7 | 330.2 | 6637 | 450 |
| 475 | -7.7 | 16 | .7 | 331.1 | 6248 | -8.6 | 18 | .8 | 330.1 | 6249 | -9.5 | 16 | .6 | 328.5 | 6240 | -9.1 | 20 | .8 | 329.6 | 6222 | 475 |
| 500 | -5.0 | 16 | .8 | 330.0 | 5848 | -6.0 | 18 | .9 | 329.0 | 5849 | -6.7 | 16 | .7 | 327.5 | 5842 | -6.1 | 19 | .9 | 329.0 | 5822 | 500 |
| 525 | -2.4 | 16 | 1.0 | 329.0 | 5462 | -3.7 | 18 | 1.0 | 327.6 | 5465 | -4.1 | 15 | .8 | 326.4 | 5459 | -3.2 | 18 | 1.0 | 328.4 | 5439 | 525 |
| 550 | .0 | 16 | 1.1 | 328.1 | 5092 | -1.6 | 19 | 1.2 | 326.3 | 5097 | -2.9 | 18 | 1.0 | 324.2 | 5091 | -1.8 | 28 | 1.7 | 327.8 | 5069 | 550 |
| 575 | 2.1 | 17 | 1.3 | 327.0 | 4734 | .5 | 19 | 1.3 | 325.1 | 4741 | -.1 | 41 | 2.7 | 328.9 | 4737 | -.8 | 39 | 2.4 | 327.3 | 4715 | 575 |
| 600 | 4.1 | 17 | 1.5 | 325.9 | 4390 | 2.6 | 28 | 2.1 | 326.2 | 4399 | 1.4 | 68 | 4.8 | 333.1 | 4395 | .9 | 75 | 5.1 | 333.2 | 4374 | 600 |
| 625 | 5.9 | 18 | 1.7 | 324.9 | 4057 | 5.1 | 17 | 1.5 | 323.4 | 4067 | 3.8 | 20 | 1.6 | 322.2 | 4065 | 4.4 | 25 | 2.1 | 324.5 | 4043 | 625 |
| 650 | 7.7 | 18 | 1.9 | 324.0 | 3735 | 6.8 | 17 | 1.6 | 322.3 | 3746 | 5.7 | 26 | 2.3 | 323.1 | 3745 | 6.4 | 15 | 1.4 | 321.1 | 3723 | 650 |
| 675 | 9.5 | 19 | 2.1 | 323.2 | 3423 | 8.5 | 18 | 1.8 | 321.2 | 3436 | 7.5 | 33 | 3.2 | 324.2 | 3435 | 8.0 | 16 | 1.6 | 320.1 | 3413 | 675 |
| 700 | 11.1 | 19 | 2.3 | 322.5 | 3121 | 10.0 | 18 | 2.0 | 320.2 | 3135 | 9.2 | 39 | 4.1 | 325.6 | 3135 | 8.7 | 22 | 2.2 | 319.3 | 3112 | 700 |
| 725 | 12.7 | 20 | 2.5 | 321.8 | 2827 | 11.8 | 26 | 3.1 | 322.4 | 2842 | 10.9 | 45 | 5.1 | 327.3 | 2843 | 7.9 | 34 | 3.2 | 318.1 | 2823 | 725 |
| 750 | 14.3 | 21 | 2.8 | 321.2 | 2542 | 13.7 | 36 | 4.6 | 326.1 | 2558 | 12.5 | 51 | 6.2 | 329.1 | 2559 | 9.0 | 66 | 6.4 | 325.7 | 2543 | 750 |
| 775 | 15.8 | 21 | 3.0 | 320.6 | 2265 | 16.0 | 20 | 2.9 | 320.4 | 2281 | 12.9 | 76 | 9.2 | 335.0 | 2283 | 10.8 | 91 | 9.5 | 333.5 | 2269 | 775 |
| 800 | 15.9 | 48 | 6.8 | 328.8 | 1996 | 15.2 | 66 | 8.9 | 334.1 | 2011 | 14.2 | 84 | 10.7 | 337.8 | 2015 | 12.6 | 95 | 10.9 | 336.5 | 2003 | 800 |
| 825 | 17.7 | 47 | 7.3 | 329.3 | 1733 | 15.6 | 73 | 9.9 | 334.3 | 1750 | 15.4 | 89 | 12.0 | 339.9 | 1754 | 14.4 | 99 | 12.4 | 339.8 | 1743 | 825 |
| 850 | 18.3 | 56 | 8.7 | 331.4 | 1477 | 16.6 | 76 | 10.7 | 334.8 | 1495 | 16.6 | 87 | 12.3 | 339.1 | 1499 | 16.1 | 96 | 13.0 | 340.5 | 1489 | 850 |
| 875 | 18.7 | 70 | 10.9 | 335.1 | 1228 | 18.4 | 83 | 12.8 | 339.8 | 1247 | 17.8 | 85 | 12.5 | 338.2 | 1251 | 17.7 | 92 | 13.5 | 340.9 | 1241 | 875 |
| 900 | 20.5 | 66 | 11.2 | 335.2 | 985 | 20.0 | 80 | 13.2 | 340.1 | 1004 | 18.9 | 82 | 12.7 | 337.4 | 1009 | 19.2 | 88 | 13.9 | 341.1 | 998 | 900 |
| 925 | 22.2 | 62 | 11.4 | 335.1 | 747 | 21.1 | 82 | 14.2 | 341.5 | 766 | 19.7 | 84 | 13.3 | 337.3 | 772 | 20.7 | 86 | 14.5 | 341.8 | 761 | 925 |
| 950 | 23.3 | 63 | 12.1 | 335.8 | 514 | 21.4 | 95 | 16.3 | 344.9 | 534 | 20.7 | 88 | 14.4 | 339.0 | 541 | 22.1 | 86 | 15.4 | 343.2 | 529 | 950 |
| 975 | 23.6 | 75 | 14.3 | 339.5 | 287 | 23.2 | 90 | 16.8 | 346.0 | 307 | 22.6 | 86 | 15.5 | 341.5 | 315 | 23.4 | 87 | 16.3 | 344.7 | 302 | 975 |
| 1000 | 25.5 | 78 | 16.2 | 344.6 | 64 | 24.9 | 86 | 17.3 | 346.9 | 84 | 24.5 | 84 | 16.5 | 344.1 | 93 | 24.6 | 87 | 17.2 | 346.3 | 79 | 1000 |
| SFC. | 26.0 | 79 | 16.8 | 346.2 | 0 | 25.6 | 84 | 17.5 | 347.1 | 0 | 25.3 | 83 | 16.9 | 345.2 | 0 | 25.1 | 87 | 17.6 | 346.8 | 0 | SFC. |
| | SURFACE PRESSURE 1007.3 | | | | | SURFACE PRESSURE 1009.6 | | | | | SURFACE PRESSURE 1010.6 | | | | | SURFACE PRESSURE 1009.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/ 1 17 0 GMT T | RH | W | EPT | H | 3/ 1 2337 GMT T | RH | W | EPT | H | 3/ 2 145 GMT T | RH | W | EPT | H | 3/ 2 411 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.3 | 17 | .0 | 464.9 | 19506 | -60.5 | 0 | 0.0 | 475.5 | 19473 | -60.2 | 0 | 0.0 | 476.2 | 19486 | -62.8 | 0 | 0.0 | 470.4 | 19506 | 60 |
| 70 | -70.2 | 18 | .0 | 434.4 | 18576 | -71.8 | 0 | 0.0 | 430.9 | 18544 | -70.5 | 22 | .0 | 433.7 | 18554 | -70.3 | 26 | .0 | 434.2 | 18559 | 70 |
| 80 | -72.2 | 20 | .0 | 413.9 | 17789 | -71.0 | 0 | 0.0 | 416.2 | 17754 | -70.3 | 23 | .0 | 417.7 | 17762 | -72.1 | 27 | .0 | 414.2 | 17772 | 80 |
| 90 | -77.0 | 21 | .0 | 390.6 | 17102 | -78.7 | 0 | 0.0 | 387.3 | 17066 | -77.7 | 24 | .0 | 389.2 | 17069 | -78.6 | 27 | .0 | 387.4 | 17086 | 90 |
| 100 | -75.8 | 19 | .0 | 381.3 | 16495 | -79.4 | 0 | 0.0 | 374.3 | 16463 | -79.7 | 23 | .0 | 373.8 | 16469 | -80.2 | 27 | .0 | 372.8 | 16484 | 100 |
| 110 | -74.8 | 18 | .0 | 373.0 | 15945 | -75.2 | 0 | 0.0 | 372.1 | 15917 | -75.3 | 24 | .0 | 371.9 | 15923 | -75.9 | 27 | .0 | 370.8 | 15939 | 110 |
| 120 | -73.4 | 18 | .0 | 366.3 | 15438 | -71.4 | 0 | 0.0 | 370.0 | 15408 | -72.6 | 24 | .0 | 367.9 | 15415 | -72.0 | 27 | .0 | 368.9 | 15432 | 120 |
| 130 | -72.2 | 19 | .0 | 360.2 | 14968 | -71.4 | 0 | 0.0 | 361.6 | 14935 | -71.2 | 24 | .0 | 362.0 | 14943 | -71.1 | 27 | .0 | 362.2 | 14958 | 130 |
| 140 | -70.4 | 19 | .0 | 355.8 | 14530 | -70.9 | 0 | 0.0 | 354.9 | 14497 | -70.0 | 24 | .0 | 356.4 | 14504 | -70.1 | 27 | .0 | 356.4 | 14519 | 140 |
| 150 | -68.1 | 18 | .0 | 352.9 | 14118 | -68.6 | 0 | 0.0 | 351.9 | 14086 | -67.9 | 24 | .0 | 353.2 | 14092 | -67.9 | 26 | .0 | 353.1 | 14107 | 150 |
| 160 | -65.9 | 18 | .0 | 350.1 | 13728 | -66.5 | 0 | 0.0 | 349.0 | 13697 | -65.8 | 23 | .0 | 350.2 | 13702 | -66.0 | 26 | .0 | 350.0 | 13717 | 160 |
| 170 | -63.2 | 18 | .0 | 348.6 | 13358 | -64.3 | 0 | 0.0 | 346.7 | 13329 | -63.9 | 23 | .0 | 347.4 | 13332 | -64.1 | 25 | .0 | 347.1 | 13348 | 170 |
| 180 | -60.2 | 18 | .0 | 347.8 | 13004 | -61.3 | 0 | 0.0 | 346.1 | 12976 | -61.1 | 23 | .0 | 346.3 | 12979 | -60.9 | 25 | .0 | 346.6 | 12995 | 180 |
| 190 | -57.5 | 18 | .0 | 346.9 | 12665 | -58.4 | 0 | 0.0 | 345.3 | 12639 | -58.4 | 23 | .0 | 345.4 | 12641 | -57.8 | 25 | .0 | 346.4 | 12657 | 190 |
| 200 | -54.9 | 18 | .0 | 346.0 | 12339 | -55.7 | 0 | 0.0 | 344.6 | 12314 | -55.8 | 23 | .0 | 344.5 | 12317 | -54.8 | 25 | .0 | 346.1 | 12331 | 200 |
| 225 | -49.3 | 17 | .0 | 343.1 | 11578 | -49.4 | 0 | 0.0 | 342.7 | 11553 | -49.9 | 24 | .0 | 342.2 | 11557 | -48.0 | 25 | .1 | 345.2 | 11566 | 225 |
| 250 | -43.2 | 17 | .1 | 342.0 | 10878 | -43.9 | 0 | 0.0 | 340.9 | 10854 | -44.6 | 24 | .1 | 340.1 | 10860 | -44.7 | 30 | .1 | 340.0 | 10868 | 250 |
| 275 | -37.7 | 16 | .1 | 341.1 | 10228 | -38.7 | 15 | .1 | 339.5 | 10207 | -38.9 | 24 | .1 | 339.3 | 10214 | -39.1 | 29 | .1 | 339.2 | 10222 | 275 |
| 300 | -32.2 | 15 | .1 | 340.5 | 9621 | -33.4 | 16 | .1 | 338.8 | 9603 | -33.8 | 24 | .2 | 338.6 | 9611 | -33.8 | 27 | .2 | 338.6 | 9619 | 300 |
| 325 | -27.2 | 15 | .2 | 339.9 | 9051 | -28.6 | 16 | .2 | 338.0 | 9035 | -29.0 | 25 | .3 | 337.8 | 9044 | -28.9 | 25 | .3 | 338.0 | 9052 | 325 |
| 350 | -22.6 | 14 | .3 | 339.3 | 8512 | -24.2 | 17 | .3 | 337.2 | 8500 | -24.5 | 25 | .4 | 337.1 | 8509 | -24.5 | 24 | .4 | 337.2 | 8517 | 350 |
| 375 | -20.8 | 15 | .3 | 335.3 | 8003 | -20.0 | 17 | .4 | 336.5 | 7992 | -21.2 | 23 | .4 | 335.2 | 8003 | -21.5 | 42 | .8 | 336.1 | 8011 | 375 |
| 400 | -19.3 | 15 | .3 | 331.1 | 7525 | -17.8 | 15 | .3 | 333.2 | 7512 | -18.7 | 19 | .4 | 332.3 | 7524 | -18.5 | 32 | .7 | 333.6 | 7533 | 400 |
| 425 | -15.6 | 15 | .4 | 330.5 | 7071 | -15.3 | 13 | .4 | 330.8 | 7056 | -14.8 | 18 | .5 | 331.9 | 7069 | -15.4 | 23 | .6 | 331.6 | 7078 | 425 |
| 450 | -12.1 | 15 | .5 | 329.9 | 6637 | -12.0 | 14 | .5 | 330.0 | 6622 | -11.9 | 18 | .6 | 330.5 | 6634 | -12.3 | 19 | .6 | 330.1 | 6644 | 450 |
| 475 | -8.9 | 15 | .6 | 329.3 | 6221 | -8.8 | 15 | .6 | 329.4 | 6206 | -8.8 | M | M | | M 6218 | -9.1 | 21 | .8 | 329.7 | 6228 | 475 |
| 500 | -6.2 | 17 | .8 | 328.5 | 5821 | -6.0 | 17 | .8 | 328.7 | 5806 | -5.8 | M | M | | M 5818 | -6.6 | 37 | 1.7 | 330.9 | 5829 | 500 |
| 525 | -3.6 | 18 | 1.0 | 327.8 | 5438 | -4.8 | 26 | 1.3 | 327.3 | 5424 | -3.7 | M | M | | M 5435 | -4.6 | 63 | 3.3 | 333.7 | 5446 | 525 |
| 550 | -1.1 | 20 | 1.3 | 327.2 | 5069 | -1.0 | 18 | 1.2 | 327.0 | 5055 | -1.6 | M | M | | M 5066 | -1.8 | 67 | 4.1 | 335.3 | 5078 | 550 |
| 575 | 1.0 | 34 | 2.4 | 329.2 | 4713 | 1.0 | 27 | 1.9 | 327.7 | 4699 | 1.5 | 41 | 3.1 | 331.9 | 4710 | 1.2 | 62 | 4.5 | 336.1 | 4722 | 575 |
| 600 | 1.6 | 69 | 4.9 | 333.7 | 4370 | 2.9 | 35 | 2.8 | 328.6 | 4356 | 2.9 | 51 | 4.0 | 332.5 | 4366 | 3.1 | 66 | 5.3 | 336.6 | 4377 | 600 |
| 625 | 3.0 | 75 | 5.7 | 333.8 | 4040 | 4.7 | 43 | 3.7 | 329.9 | 4024 | 5.4 | 49 | 4.4 | 332.9 | 4034 | 5.1 | 65 | 5.7 | 336.6 | 4045 | 625 |
| 650 | 5.9 | 30 | 2.7 | 324.6 | 3720 | 6.4 | 51 | 4.7 | 331.4 | 3703 | 5.9 | 60 | 5.4 | 332.7 | 3712 | 7.3 | 61 | 6.0 | 336.0 | 3723 | 650 |
| 675 | 7.6 | 30 | 2.9 | 323.6 | 3410 | 7.6 | 53 | 5.1 | 330.2 | 3392 | 7.5 | 70 | 6.7 | 334.9 | 3402 | 8.1 | 77 | 7.7 | 338.7 | 3411 | 675 |
| 700 | 9.0 | 39 | 4.0 | 325.1 | 3110 | 6.4 | 33 | 2.8 | 318.6 | 3093 | 9.0 | 67 | 6.9 | 333.6 | 3101 | 9.4 | 84 | 8.9 | 340.1 | 3109 | 700 |
| 725 | 8.9 | 49 | 4.8 | 324.2 | 2819 | 9.6 | 69 | 7.1 | 331.8 | 2803 | 10.4 | 64 | 7.0 | 332.3 | 2809 | 9.7 | 92 | 9.6 | 339.0 | 2817 | 725 |
| 750 | 9.1 | 62 | 6.0 | 324.6 | 2538 | 9.4 | 60 | 5.9 | 324.7 | 2521 | 11.2 | 74 | 8.3 | 333.6 | 2526 | 11.5 | 85 | 9.7 | 338.1 | 2534 | 750 |
| 775 | 10.9 | 57 | 6.0 | 323.7 | 2265 | 11.2 | 64 | 6.9 | 326.5 | 2248 | 12.9 | 70 | 8.5 | 333.1 | 2251 | 13.2 | 70 | 8.6 | 333.7 | 2258 | 775 |
| 800 | 12.4 | 49 | 5.5 | 321.0 | 1999 | 13.0 | 68 | 8.0 | 328.7 | 1982 | 14.4 | 71 | 9.2 | 333.8 | 1982 | 14.1 | 79 | 10.1 | 336.0 | 1990 | 800 |
| 825 | 14.1 | 54 | 6.5 | 323.0 | 1740 | 14.6 | 72 | 9.2 | 331.0 | 1722 | 15.4 | 70 | 9.4 | 332.8 | 1721 | 15.7 | 79 | 10.8 | 336.8 | 1729 | 825 |
| 850 | 15.7 | 58 | 7.7 | 325.3 | 1487 | 15.9 | 77 | 10.4 | 333.2 | 1468 | 17.2 | 68 | 9.9 | 333.4 | 1467 | 17.5 | 73 | 10.9 | 336.4 | 1474 | 850 |
| 875 | 17.3 | 63 | 9.0 | 327.9 | 1240 | 17.3 | 82 | 11.7 | 335.5 | 1220 | 17.8 | 68 | 10.0 | 331.5 | 1219 | 18.9 | 72 | 11.4 | 336.6 | 1225 | 875 |
| 900 | 18.8 | 68 | 10.3 | 330.7 | 998 | 18.6 | 86 | 13.0 | 338.0 | 978 | 19.4 | 70 | 11.1 | 333.6 | 976 | 19.6 | 79 | 12.7 | 338.4 | 982 | 900 |
| 925 | 20.3 | 72 | 11.7 | 333.7 | 762 | 20.0 | 87 | 14.0 | 339.6 | 742 | 19.5 | 86 | 13.4 | 337.3 | 740 | 20.3 | 86 | 14.1 | 340.2 | 745 | 925 |
| 950 | 21.7 | 76 | 13.3 | 337.0 | 530 | 21.8 | 81 | 14.1 | 339.5 | 510 | 21.6 | 82 | 14.3 | 339.6 | 509 | 21.3 | 90 | 15.4 | 342.3 | 513 | 950 |
| 975 | 23.1 | 80 | 14.9 | 340.6 | 303 | 23.5 | 75 | 14.2 | 339.2 | 283 | 23.7 | 79 | 15.1 | 341.8 | 282 | 23.3 | 88 | 16.5 | 345.2 | 286 | 975 |
| 1000 | 24.5 | 85 | 16.6 | 344.4 | 81 | 25.5 | 76 | 15.7 | 343.3 | 61 | 25.8 | 75 | 15.8 | 344.0 | 59 | 25.3 | 86 | 17.6 | 348.1 | 63 | 1000 |
| SFC. | 25.0 | 86 | 17.3 | 345.8 | 0 | 26.3 | 80 | 17.4 | 348.1 | 0 | 26.3 | 74 | 16.0 | 344.5 | 0 | 25.8 | 85 | 17.9 | 349.0 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1009.2 | SURFACE PRESSURE | | | | 1006.9 | SURFACE PRESSURE | | | | 1006.7 | SURFACE PRESSURE | | | | 1007.2 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/ 2 1252 GMT | | | | | 3/ 2 18 7 GMT | | | | | 3/ 3 0 6 GMT | | | | | 3/ 3 613 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.7 | 0 | 0.0 | 470.6 | 19505 | -65.2 | 0 | 0.0 | 464.9 | 19517 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 0 | 0.0 | 434.0 | 18572 | -70.4 | 16 | .0 | 433.8 | 18588 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.4 | 0 | 0.0 | 411.5 | 17784 | -74.6 | 17 | .0 | 408.8 | 17801 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.7 | 0 | 0.0 | 387.2 | 17108 | -76.9 | 17 | .0 | 390.7 | 17125 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.5 | 0 | 0.0 | 383.8 | 16501 | -75.3 | 17 | .0 | 382.3 | 16514 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.6 | 0 | 0.0 | 373.2 | 15947 | -76.4 | 18 | .0 | 369.9 | 15965 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.5 | 0 | 0.0 | 366.2 | 15441 | -73.3 | 18 | .0 | 366.6 | 15459 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.2 | 0 | 0.0 | 362.0 | 14970 | -70.4 | 18 | .0 | 363.5 | 14987 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.1 | 0 | 0.0 | 359.8 | 14528 | -67.7 | 17 | .0 | 360.6 | 14544 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.3 | 0 | 0.0 | 357.6 | 14111 | -65.1 | 17 | .0 | 357.9 | 14127 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.6 | 0 | 0.0 | 355.6 | 13716 | -62.8 | 17 | .0 | 355.3 | 13731 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.8 | 0 | 0.0 | 350.8 | 13340 | -61.4 | 17 | .0 | 351.6 | 13357 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.7 | 0 | 0.0 | 346.9 | 12987 | -59.1 | 17 | .0 | 349.6 | 13000 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.9 | 0 | 0.0 | 346.1 | 12648 | -56.4 | 17 | .0 | 348.7 | 12659 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.3 | 0 | 0.0 | 345.3 | 12323 | -54.0 | 17 | .0 | 347.4 | 12332 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.9 | 0 | 0.0 | 343.6 | 11561 | -49.1 | 16 | .0 | 343.5 | 11568 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.9 | 0 | 0.0 | 342.3 | 10859 | -44.1 | 15 | .0 | 340.8 | 10869 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.6 | 27 | .1 | 341.4 | 10209 | -39.3 | 16 | .1 | 338.6 | 10223 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.9 | 33 | .3 | 340.0 | 9603 | -34.6 | 18 | .1 | 337.2 | 9621 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.6 | 39 | .4 | 338.9 | 9035 | -30.0 | 22 | .2 | 336.3 | 9057 | 325 |
| 350 | -27.1 | 17 | .2 | 333.0 | 8487 | 0.0 | 0 | 0.0 | 0.0 | 0 | -24.7 | 44 | .7 | 338.0 | 8499 | -25.0 | 28 | .4 | 336.6 | 8524 | 350 |
| 375 | -23.0 | 29 | .5 | 332.9 | 7985 | -20.7 | 69 | 1.4 | 339.1 | 8015 | -21.0 | 49 | .9 | 337.4 | 7993 | -22.4 | 61 | 1.0 | 335.7 | 8019 | 375 |
| 400 | -19.8 | 41 | .8 | 332.3 | 7510 | -17.5 | 70 | 1.7 | 338.2 | 7534 | -17.5 | 54 | 1.3 | 337.0 | 7513 | -19.2 | 20 | .4 | 331.7 | 7542 | 400 |
| 425 | -16.5 | 23 | .6 | 329.9 | 7057 | -14.6 | 70 | 2.1 | 337.5 | 7077 | -14.6 | 58 | 1.7 | 336.2 | 7056 | -15.1 | 23 | .6 | 332.0 | 7087 | 425 |
| 450 | -13.6 | 27 | .8 | 329.1 | 6624 | -11.7 | 71 | 2.5 | 336.9 | 6642 | -11.8 | 61 | 2.1 | 335.7 | 6621 | -11.2 | 25 | .9 | 332.4 | 6652 | 450 |
| 475 | -10.7 | 30 | 1.1 | 328.5 | 6211 | -9.2 | 74 | 3.0 | 336.6 | 6225 | -9.2 | 64 | 2.6 | 335.4 | 6204 | -8.6 | 22 | .9 | 330.7 | 6234 | 475 |
| 500 | -8.0 | 36 | 1.5 | 328.5 | 5814 | -6.9 | 77 | 3.5 | 336.4 | 5826 | -7.0 | 68 | 3.1 | 334.7 | 5805 | -6.7 | 27 | 1.2 | 329.2 | 5835 | 500 |
| 525 | -4.9 | 49 | 2.5 | 330.9 | 5433 | -4.5 | 83 | 4.3 | 337.1 | 5443 | -6.1 | 71 | 3.3 | 331.9 | 5423 | -4.9 | 53 | 2.7 | 331.5 | 5453 | 525 |
| 550 | -2.7 | 73 | 4.2 | 334.4 | 5065 | -2.2 | 90 | 5.4 | 338.8 | 5074 | -4.6 | 71 | 3.5 | 330.0 | 5058 | -2.6 | 59 | 3.4 | 332.2 | 5085 | 550 |
| 575 | -.9 | 75 | 4.7 | 333.9 | 4711 | -.1 | 92 | 6.1 | 339.1 | 4719 | -1.5 | 64 | 3.8 | 330.6 | 4706 | -.3 | 65 | 4.2 | 333.2 | 4731 | 575 |
| 600 | .8 | 84 | 5.7 | 335.0 | 4369 | 1.7 | 92 | 6.6 | 338.9 | 4376 | 1.5 | 56 | 4.0 | 330.9 | 4364 | 1.8 | 63 | 4.6 | 332.8 | 4389 | 600 |
| 625 | 2.5 | 95 | 7.0 | 337.1 | 4039 | 3.4 | 91 | 7.2 | 338.8 | 4045 | 4.4 | 49 | 4.2 | 330.9 | 4033 | 3.6 | 74 | 5.9 | 335.3 | 4058 | 625 |
| 650 | 4.4 | 98 | 7.9 | 338.2 | 3720 | 5.1 | 91 | 7.8 | 338.8 | 3725 | 6.6 | 52 | 4.9 | 332.1 | 3712 | 5.6 | 62 | 5.5 | 332.5 | 3738 | 650 |
| 675 | 6.2 | 99 | 8.7 | 339.1 | 3411 | 6.8 | 91 | 8.4 | 338.8 | 3415 | 8.1 | 62 | 6.3 | 334.3 | 3401 | 7.9 | 39 | 3.8 | 326.7 | 3427 | 675 |
| 700 | 8.0 | 97 | 9.4 | 339.7 | 3111 | 7.0 | 91 | 8.2 | 335.0 | 3115 | 10.1 | 59 | 6.5 | 334.0 | 3100 | 9.2 | 64 | 6.7 | 333.3 | 3127 | 700 |
| 725 | 9.7 | 86 | 9.1 | 337.4 | 2820 | 8.4 | 90 | 8.6 | 334.5 | 2825 | 12.0 | 56 | 6.8 | 333.6 | 2806 | 10.7 | 87 | 9.8 | 340.6 | 2834 | 725 |
| 750 | 11.2 | 88 | 9.9 | 338.2 | 2536 | 9.9 | 89 | 9.2 | 334.7 | 2544 | 12.9 | 57 | 7.1 | 332.4 | 2521 | 12.1 | 89 | 10.6 | 341.5 | 2550 | 750 |
| 775 | 12.6 | 94 | 11.2 | 340.4 | 2261 | 11.5 | 88 | 9.7 | 334.9 | 2269 | 11.9 | 67 | 7.6 | 329.3 | 2246 | 13.5 | 90 | 11.3 | 342.0 | 2274 | 775 |
| 800 | 14.0 | 95 | 12.0 | 341.1 | 1993 | 12.9 | 88 | 10.3 | 335.2 | 2002 | 12.8 | 69 | 8.0 | 328.6 | 1979 | 14.8 | 90 | 12.1 | 342.4 | 2004 | 800 |
| 825 | 15.3 | 96 | 12.8 | 342.0 | 1731 | 14.4 | 87 | 10.9 | 335.5 | 1742 | 13.8 | 71 | 8.5 | 328.4 | 1720 | 16.1 | 91 | 12.8 | 342.9 | 1742 | 825 |
| 850 | 16.6 | 96 | 13.6 | 342.8 | 1477 | 15.7 | 86 | 11.4 | 335.8 | 1489 | 14.9 | 72 | 9.0 | 328.1 | 1467 | 17.4 | 91 | 13.5 | 343.5 | 1487 | 850 |
| 875 | 17.9 | 97 | 14.4 | 343.7 | 1228 | 17.1 | 85 | 12.0 | 336.1 | 1241 | 15.9 | 73 | 9.5 | 327.9 | 1221 | 18.6 | 91 | 14.2 | 344.1 | 1238 | 875 |
| 900 | 19.1 | 97 | 15.2 | 344.7 | 985 | 18.4 | 88 | 13.1 | 338.0 | 999 | 17.2 | 84 | 11.6 | 332.4 | 980 | 19.8 | 92 | 15.0 | 344.8 | 994 | 900 |
| 925 | 20.3 | 98 | 16.1 | 345.7 | 748 | 19.8 | 90 | 14.3 | 340.2 | 763 | 19.1 | 92 | 13.9 | 338.3 | 745 | 20.7 | 92 | 15.5 | 344.5 | 757 | 925 |
| 950 | 21.7 | 97 | 16.9 | 346.8 | 516 | 21.3 | 90 | 15.2 | 341.7 | 531 | 20.9 | 92 | 15.2 | 341.3 | 514 | 20.2 | 93 | 14.7 | 339.2 | 525 | 950 |
| 975 | 23.3 | 93 | 17.5 | 347.9 | 289 | 23.0 | 83 | 15.3 | 341.7 | 3 5 | 22.7 | 91 | 16.5 | 344.5 | 287 | 22.4 | 90 | 16.0 | 342.6 | 299 | 975 |
| 1000 | 24.8 | 90 | 18.1 | 348.8 | 66 | 24.5 | 87 | 17.0 | 345.4 | 82 | 24.5 | 91 | 17.9 | 347.9 | 65 | 24.5 | 88 | 17.2 | 346.1 | 77 | 1000 |
| SFC. | 25.3 | 89 | 18.2 | 349.1 | 0 | 24.9 | 92 | 18.4 | 348.7 | 0 | 25.0 | 91 | 18.3 | 348.9 | 0 | 25.2 | 87 | 17.7 | 347.3 | 0 | SFC. |
| | SURFACE PRESSURE 1007.5 | | | | | SURFACE PRESSURE 1009.4 | | | | | SURFACE PRESSURE 1007.4 | | | | | SURFACE PRESSURE 1008.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/ 3 1120 GMT T | RH | W | EPT | H | 3/ 3 1610 GMT T | RH | W | EPT | H | 3/ 3 1833 GMT T | RH | W | EPT | H | 3/ 3 2048 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.6 | 14 | .0 | 464.1 | 19504 | -65.3 | 0 | 0.0 | 464.7 | 19511 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.5 | 14 | .0 | 433.7 | 18574 | -71.0 | 18 | .0 | 432.6 | 18584 | 70 |
| 80 | -77.1 | 0 | 0.0 | 403.8 | 17746 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 15 | .0 | 404.4 | 17794 | -75.4 | 18 | .0 | 407.3 | 17804 | 80 |
| 90 | -76.7 | 0 | 0.0 | 391.1 | 17071 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.2 | 15 | .0 | 388.1 | 17117 | -77.8 | 19 | .0 | 389.0 | 17126 | 90 |
| 100 | -77.1 | 0 | 0.0 | 378.8 | 16464 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.2 | 15 | .0 | 372.8 | 16522 | -80.0 | 19 | .0 | 373.2 | 16526 | 100 |
| 110 | -78.2 | 0 | 0.0 | 366.5 | 15920 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.1 | 15 | .0 | 368.6 | 15979 | -77.4 | 18 | .0 | 368.1 | 15984 | 110 |
| 120 | -75.0 | 0 | 0.0 | 363.5 | 15419 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 15 | .0 | 364.7 | 15475 | -74.9 | 18 | .0 | 363.6 | 15482 | 120 |
| 130 | -72.0 | 0 | 0.0 | 360.6 | 14951 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 15 | .0 | 361.7 | 15006 | -71.8 | 18 | .0 | 360.9 | 15013 | 130 |
| 140 | -69.2 | 0 | 0.0 | 357.9 | 14511 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.6 | 14 | .0 | 358.9 | 14565 | -69.0 | 17 | .0 | 358.3 | 14573 | 140 |
| 150 | -66.6 | 0 | 0.0 | 355.4 | 14096 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.1 | 14 | .0 | 356.3 | 14149 | -66.2 | 17 | .0 | 356.1 | 14158 | 150 |
| 160 | -64.2 | 0 | 0.0 | 353.0 | 13704 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.7 | 14 | .0 | 353.8 | 13755 | -63.3 | 17 | .0 | 354.4 | 13764 | 160 |
| 170 | -61.9 | 0 | 0.0 | 350.7 | 13331 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.7 | 14 | .0 | 352.6 | 13381 | -60.6 | 17 | .0 | 352.8 | 13389 | 170 |
| 180 | -59.5 | 0 | 0.0 | 349.0 | 12975 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.0 | 14 | .0 | 351.5 | 13023 | -58.1 | 17 | .0 | 351.3 | 13031 | 180 |
| 190 | -56.7 | 0 | 0.0 | 348.0 | 12635 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.3 | 14 | .0 | 350.4 | 12680 | -55.7 | 17 | .0 | 349.8 | 12689 | 190 |
| 200 | -54.1 | 0 | 0.0 | 347.0 | 12308 | -53.3 | 14 | .0 | 348.5 | 12296 | -52.9 | 14 | .0 | 349.2 | 12351 | -53.4 | 17 | .0 | 348.3 | 12361 | 200 |
| 225 | -48.1 | 0 | 0.0 | 344.9 | 11542 | -47.9 | 13 | .0 | 345.3 | 11528 | -47.6 | 13 | .0 | 345.6 | 11582 | -47.7 | 17 | .0 | 345.5 | 11593 | 225 |
| 250 | -42.5 | 0 | 0.0 | 342.9 | 10839 | -42.6 | 13 | .0 | 342.9 | 10825 | -42.4 | 13 | .0 | 343.3 | 10879 | -41.9 | 16 | .1 | 344.0 | 10889 | 250 |
| 275 | -38.2 | 20 | .1 | 340.4 | 10188 | -37.6 | 12 | .1 | 341.0 | 10175 | -36.6 | 12 | .1 | 342.5 | 10227 | -36.7 | 16 | .1 | 342.5 | 10236 | 275 |
| 300 | -34.9 | 23 | .2 | 336.9 | 9585 | -33.0 | 12 | .1 | 339.2 | 9569 | -31.4 | 12 | .1 | 341.6 | 9617 | -31.9 | 15 | .1 | 341.1 | 9627 | 300 |
| 325 | -31.6 | 25 | .2 | 334.0 | 9023 | -28.8 | 11 | .1 | 337.5 | 9001 | -27.2 | 11 | .1 | 339.8 | 9046 | -27.4 | 15 | .2 | 339.6 | 9056 | 325 |
| 350 | -27.4 | 23 | .3 | 332.9 | 8494 | -25.7 | 12 | .2 | 334.8 | 8467 | -23.4 | 10 | .2 | 337.9 | 8508 | -23.3 | 14 | .2 | 338.3 | 8519 | 350 |
| 375 | -23.4 | 22 | .3 | 331.9 | 7993 | -23.1 | 14 | .2 | 331.8 | 7964 | -22.0 | 11 | .2 | 333.3 | 8002 | -19.5 | 14 | .3 | 337.0 | 8010 | 375 |
| 400 | -19.8 | 20 | .4 | 330.8 | 7518 | -20.5 | 18 | .3 | 329.6 | 7488 | -18.9 | 13 | .3 | 331.4 | 7524 | -18.4 | 14 | .3 | 332.3 | 7529 | 400 |
| 425 | -16.3 | 19 | .5 | 329.8 | 7065 | -17.7 | 34 | .7 | 329.0 | 7038 | -17.3 | 16 | .4 | 328.2 | 7072 | -16.6 | 15 | .4 | 329.1 | 7074 | 425 |
| 450 | -13.1 | 18 | .5 | 328.9 | 6632 | -14.1 | 37 | 1.0 | 329.2 | 6607 | -13.9 | 17 | .5 | 327.6 | 6640 | -14.6 | 17 | .5 | 326.7 | 6643 | 450 |
| 475 | -10.2 | 23 | .9 | 328.4 | 6218 | -11.9 | 51 | 1.7 | 329.0 | 6194 | -11.1 | 30 | 1.0 | 327.9 | 6228 | -11.4 | 20 | .7 | 326.3 | 6231 | 475 |
| 500 | -7.9 | 38 | 1.6 | 329.1 | 5821 | -9.0 | 49 | 1.9 | 328.5 | 5800 | -8.4 | 41 | 1.7 | 328.6 | 5832 | -8.2 | 23 | .9 | 326.4 | 5835 | 500 |
| 525 | -7.2 | 73 | 3.1 | 330.0 | 5440 | -5.7 | 38 | 1.8 | 327.8 | 5419 | -5.4 | 37 | 1.8 | 328.1 | 5451 | -5.1 | 26 | 1.3 | 326.8 | 5454 | 525 |
| 550 | -4.5 | 66 | 3.3 | 329.6 | 5076 | -3.4 | 40 | 2.2 | 327.3 | 5053 | -2.5 | 33 | 1.9 | 327.6 | 5084 | -2.1 | 28 | 1.7 | 327.4 | 5087 | 550 |
| 575 | -1.5 | 54 | 3.2 | 328.7 | 4723 | -1.7 | 56 | 3.3 | 328.7 | 4700 | -.3 | 36 | 2.3 | 327.4 | 4729 | -.3 | 36 | 2.3 | 327.5 | 4732 | 575 |
| 600 | 1.4 | 42 | 2.9 | 327.3 | 4382 | -.0 | 65 | 4.1 | 329.3 | 4360 | 1.3 | 44 | 3.1 | 327.8 | 4388 | .7 | 46 | 3.1 | 327.1 | 4391 | 600 |
| 625 | 4.1 | 30 | 2.5 | 325.4 | 4052 | 2.6 | 64 | 4.7 | 330.4 | 4031 | 4.0 | 35 | 2.8 | 326.2 | 4057 | 3.5 | 44 | 3.5 | 327.7 | 4061 | 625 |
| 650 | 6.7 | 20 | 1.8 | 322.7 | 3732 | 5.8 | 23 | 2.1 | 322.4 | 3712 | 6.5 | 25 | 2.3 | 324.1 | 3737 | 5.9 | 18 | 1.6 | 321.0 | 3741 | 650 |
| 675 | 8.6 | 17 | 1.7 | 321.1 | 3421 | 7.8 | 15 | 1.4 | 319.3 | 3402 | 8.9 | 16 | 1.7 | 321.4 | 3426 | 8.2 | 17 | 1.7 | 320.6 | 3431 | 675 |
| 700 | 10.2 | 16 | 1.8 | 319.8 | 3120 | 9.6 | 14 | 1.5 | 318.2 | 3102 | 10.4 | 15 | 1.7 | 319.7 | 3125 | 10.4 | 17 | 1.9 | 320.3 | 3130 | 700 |
| 725 | 11.7 | 18 | 2.1 | 319.3 | 2828 | 10.6 | 15 | 1.6 | 316.4 | 2810 | 11.5 | 16 | 1.9 | 318.4 | 2832 | 12.6 | 16 | 2.0 | 320.0 | 2837 | 725 |
| 750 | 11.6 | 59 | 6.8 | 329.8 | 2544 | 10.6 | 32 | 3.4 | 318.8 | 2528 | 12.6 | 17 | 2.1 | 317.2 | 2549 | 13.7 | 16 | 2.0 | 318.2 | 2553 | 750 |
| 775 | 13.0 | 71 | 8.6 | 333.6 | 2269 | 11.6 | 61 | 6.7 | 326.5 | 2255 | 13.7 | 19 | 2.3 | 316.1 | 2274 | 14.8 | 15 | 2.1 | 316.5 | 2276 | 775 |
| 800 | 14.3 | 82 | 10.6 | 337.7 | 2000 | 13.6 | 54 | 6.6 | 325.5 | 1988 | 14.2 | 43 | 5.4 | 322.9 | 2006 | 15.3 | 28 | 3.8 | 319.5 | 2008 | 800 |
| 825 | 15.5 | 87 | 11.8 | 339.4 | 1739 | 15.3 | 62 | 8.3 | 329.4 | 1727 | 14.9 | 66 | 8.6 | 329.8 | 1746 | 15.6 | 45 | 6.1 | 323.6 | 1747 | 825 |
| 850 | 16.4 | 86 | 12.0 | 338.1 | 1484 | 15.8 | 58 | 7.7 | 325.4 | 1473 | 17.1 | 47 | 6.8 | 324.5 | 1492 | 17.4 | 39 | 5.7 | 321.7 | 1493 | 850 |
| 875 | 17.3 | 85 | 12.2 | 336.8 | 1237 | 15.7 | 74 | 9.5 | 327.6 | 1227 | 18.2 | 41 | 6.1 | 321.0 | 1244 | 17.8 | 37 | 5.5 | 318.7 | 1245 | 875 |
| 900 | 20.2 | 49 | 8.2 | 326.6 | 994 | 16.4 | 86 | 11.3 | 330.4 | 987 | 18.4 | 50 | 7.4 | 322.3 | 1002 | 17.8 | 55 | 7.8 | 322.7 | 1004 | 900 |
| 925 | 20.3 | 75 | 12.2 | 335.0 | 757 | 18.1 | 88 | 12.5 | 333.3 | 752 | 19.7 | 57 | 8.9 | 325.1 | 767 | 19.2 | 59 | 8.9 | 324.9 | 769 | 925 |
| 950 | 21.0 | 90 | 15.1 | 341.1 | 526 | 19.9 | 89 | 13.7 | 336.0 | 523 | 20.7 | 67 | 10.9 | 329.3 | 536 | 20.1 | 71 | 11.2 | 329.3 | 539 | 950 |
| 975 | 23.0 | 84 | 15.4 | 341.8 | 300 | 22.1 | 82 | 14.2 | 337.4 | 297 | 22.3 | 71 | 12.5 | 333.0 | 311 | 22.2 | 74 | 12.9 | 334.0 | 314 | 975 |
| 1000 | 24.8 | 78 | 15.6 | 342.2 | 77 | 24.3 | 75 | 14.5 | 338.4 | 75 | 24.4 | 68 | 13.3 | 335.3 | 89 | 24.3 | 76 | 14.7 | 339.1 | 92 | 1000 |
| SFC. | 25.5 | 76 | 15.7 | 342.3 | 0 | 25.0 | 73 | 14.6 | 338.7 | 0 | 25.1 | 74 | 14.9 | 339.4 | 0 | 25.2 | 77 | 15.6 | 341.4 | 0 | SFC. |
| | SURFACE PRESSURE | | | 1008.8 | | SURFACE PRESSURE | | | 1008.6 | | SURFACE PRESSURE | | | 1010.2 | | SURFACE PRESSURE | | | 1010.5 | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — SHIP SURVEYOR

| P | 3/ 3 2337 GMT T | RH | W | EPT | H | 3/ 4 240 GMT T | RH | W | EPT | H | 3/ 4 1117 GMT T | RH | W | EPT | H | 3/ 4 23 4 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -65.6 | 0 | 0.0 | 464.2 | 19493 | -64.6 | 0 | 0.0 | 466.4 | 19436 | -67.4 | 0 | 0.0 | 460.2 | 19386 | -65.8 | 0 | 0.0 | 463.6 | 19510 | 60 |
| 70 | -69.3 | 0 | 0.0 | 436.1 | 18563 | -73.1 | 0 | 0.0 | 428.1 | 18510 | -73.4 | 0 | 0.0 | 427.3 | 18471 | -70.1 | 0 | 0.0 | 434.4 | 18579 | 70 |
| 80 | -76.8 | 0 | 0.0 | 404.5 | 17781 | -77.7 | 24 | .0 | 402.5 | 17731 | -77.9 | 0 | 0.0 | 402.1 | 17700 | -75.2 | 0 | 0.0 | 407.7 | 17797 | 80 |
| 90 | -75.6 | 0 | 0.0 | 393.3 | 17102 | -78.9 | 24 | .0 | 386.8 | 17059 | -78.9 | 0 | 0.0 | 386.7 | 17028 | -77.7 | 0 | 0.0 | 389.1 | 17118 | 90 |
| 100 | -77.6 | 0 | 0.0 | 377.8 | 16494 | -80.0 | 24 | .0 | 373.2 | 16462 | -79.8 | 0 | 0.0 | 373.5 | 16430 | -77.8 | 0 | 0.0 | 377.4 | 16516 | 100 |
| 110 | -76.9 | 0 | 0.0 | 369.0 | 15948 | -78.4 | 24 | .0 | 366.2 | 15921 | -79.3 | 0 | 0.0 | 364.4 | 15891 | -77.5 | 0 | 0.0 | 367.9 | 15973 | 110 |
| 120 | -76.3 | 0 | 0.0 | 361.1 | 15447 | -76.3 | 25 | .0 | 361.0 | 15422 | -75.9 | 0 | 0.0 | 361.8 | 15393 | -74.4 | 0 | 0.0 | 364.4 | 15470 | 120 |
| 130 | -73.4 | 0 | 0.0 | 357.9 | 14982 | -73.0 | 25 | .0 | 358.8 | 14957 | -72.7 | 0 | 0.0 | 359.3 | 14927 | -71.6 | 0 | 0.0 | 361.2 | 15001 | 130 |
| 140 | -70.6 | 0 | 0.0 | 355.4 | 14546 | -69.8 | 25 | .0 | 356.9 | 14519 | -69.8 | 0 | 0.0 | 356.9 | 14489 | -69.1 | 0 | 0.0 | 358.1 | 14561 | 140 |
| 150 | -67.3 | 0 | 0.0 | 354.1 | 14133 | -66.8 | 24 | .0 | 355.1 | 14105 | -67.0 | 0 | 0.0 | 354.6 | 14075 | -66.6 | 0 | 0.0 | 355.4 | 14146 | 150 |
| 160 | -64.3 | 0 | 0.0 | 352.8 | 13741 | -64.0 | 24 | .0 | 353.3 | 13712 | -64.5 | 0 | 0.0 | 352.4 | 13683 | -63.7 | 0 | 0.0 | 353.8 | 13753 | 160 |
| 170 | -61.4 | 0 | 0.0 | 351.5 | 13368 | -61.4 | 24 | .0 | 351.6 | 13339 | -62.1 | 0 | 0.0 | 350.3 | 13310 | -60.9 | 0 | 0.0 | 352.3 | 13379 | 170 |
| 180 | -58.7 | 0 | 0.0 | 350.3 | 13011 | -58.9 | 24 | .0 | 349.9 | 12982 | -59.2 | 0 | 0.0 | 349.3 | 12955 | -58.3 | 0 | 0.0 | 350.8 | 13021 | 180 |
| 190 | -56.1 | 0 | 0.0 | 349.0 | 12669 | -56.6 | 24 | .0 | 348.4 | 12641 | -56.5 | 0 | 0.0 | 348.3 | 12614 | -55.9 | 0 | 0.0 | 349.4 | 12679 | 190 |
| 200 | -53.7 | 0 | 0.0 | 347.8 | 12342 | -54.4 | 23 | .0 | 346.8 | 12314 | -54.0 | 0 | 0.0 | 347.3 | 12287 | -53.4 | 0 | 0.0 | 348.3 | 12351 | 200 |
| 225 | -48.1 | 0 | 0.0 | 344.8 | 11575 | -49.3 | 23 | .0 | 343.2 | 11551 | -49.3 | 0 | 0.0 | 342.9 | 11522 | -47.5 | 0 | 0.0 | 345.7 | 11583 | 225 |
| 250 | -42.8 | 0 | 0.0 | 342.5 | 10872 | -43.4 | 22 | .1 | 341.9 | 10851 | -44.5 | 0 | 0.0 | 339.9 | 10824 | -42.3 | 0 | 0.0 | 343.2 | 10879 | 250 |
| 275 | -37.4 | 17 | .1 | 341.5 | 10222 | -37.9 | 22 | .1 | 340.8 | 10202 | -39.7 | 20 | .1 | 338.1 | 10179 | -37.2 | 16 | .1 | 341.7 | 10228 | 275 |
| 300 | -31.9 | 16 | .1 | 341.1 | 9614 | -32.9 | 21 | .2 | 339.7 | 9596 | -34.6 | 20 | .1 | 337.1 | 9578 | -32.1 | 15 | .1 | 340.6 | 9620 | 300 |
| 325 | -27.4 | 16 | .2 | 339.7 | 9043 | -28.3 | 20 | .2 | 338.7 | 9027 | -29.6 | 19 | .2 | 336.7 | 9013 | -27.5 | 14 | .2 | 339.5 | 9049 | 325 |
| 350 | -23.7 | 16 | .3 | 337.9 | 8506 | -24.0 | 20 | .3 | 337.6 | 8491 | -24.9 | 17 | .3 | 336.3 | 8479 | -24.4 | 17 | .3 | 336.9 | 8513 | 350 |
| 375 | -20.2 | 16 | .3 | 336.2 | 7998 | -20.0 | 19 | .4 | 336.7 | 7984 | -20.5 | 16 | .3 | 335.8 | 7973 | -21.8 | 21 | .4 | 334.2 | 8007 | 375 |
| 400 | -17.0 | 16 | .4 | 334.5 | 7517 | -17.2 | 19 | .5 | 334.5 | 7502 | -19.2 | 22 | .5 | 331.7 | 7495 | -19.4 | 25 | .5 | 331.7 | 7530 | 400 |
| 425 | -16.1 | 16 | .4 | 329.8 | 7061 | -15.1 | 19 | .5 | 331.6 | 7046 | -16.6 | 25 | .6 | 329.9 | 7042 | -16.0 | 20 | .5 | 330.4 | 7076 | 425 |
| 450 | -13.4 | 16 | .5 | 328.2 | 6628 | -12.6 | 19 | .6 | 329.6 | 6612 | -13.6 | 22 | .7 | 328.5 | 6610 | -13.0 | 21 | .6 | 329.4 | 6643 | 450 |
| 475 | -10.5 | 16 | .6 | 327.1 | 6215 | -9.9 | 18 | .7 | 328.2 | 6197 | -10.8 | 20 | .7 | 327.2 | 6196 | -10.2 | 24 | .9 | 328.6 | 6229 | 475 |
| 500 | -7.8 | 17 | .7 | 326.2 | 5818 | -7.3 | 17 | .8 | 326.9 | 5799 | -8.1 | 18 | .7 | 325.8 | 5800 | -7.6 | 28 | 1.2 | 328.0 | 5831 | 500 |
| 525 | -5.1 | 17 | .8 | 325.3 | 5437 | -6.1 | 23 | 1.1 | 324.9 | 5418 | -7.2 | 19 | .8 | 322.6 | 5420 | -5.1 | 31 | 1.6 | 327.6 | 5450 | 525 |
| 550 | -2.6 | 17 | 1.0 | 324.5 | 5070 | -4.5 | 28 | 1.4 | 323.6 | 5053 | -5.2 | 38 | 1.8 | 323.9 | 5056 | -2.8 | 35 | 2.0 | 327.4 | 5082 | 550 |
| 575 | -.2 | 17 | 1.1 | 323.7 | 4716 | -1.7 | 29 | 1.7 | 323.7 | 4701 | -2.7 | 38 | 2.1 | 323.8 | 4705 | -.5 | 38 | 2.4 | 327.4 | 4728 | 575 |
| 600 | 2.1 | 18 | 1.3 | 323.0 | 4374 | .9 | 30 | 2.0 | 324.0 | 4361 | 0.0 | 30 | 1.9 | 322.5 | 4366 | 1.6 | 41 | 2.9 | 327.6 | 4386 | 600 |
| 625 | 4.3 | 18 | 1.5 | 322.4 | 4043 | 3.4 | 31 | 2.4 | 324.3 | 4031 | 2.1 | 33 | 2.4 | 322.7 | 4038 | 3.7 | 44 | 3.5 | 327.9 | 4056 | 625 |
| 650 | 6.4 | 18 | 1.7 | 321.9 | 3723 | 5.8 | 31 | 2.8 | 324.7 | 3712 | 4.1 | 37 | 2.9 | 323.1 | 3720 | 5.7 | 46 | 4.1 | 328.5 | 3736 | 650 |
| 675 | 8.4 | 18 | 1.9 | 321.4 | 3412 | 8.1 | 32 | 3.2 | 325.0 | 3402 | 6.1 | 40 | 3.5 | 323.6 | 3412 | 7.6 | 49 | 4.7 | 329.0 | 3426 | 675 |
| 700 | 10.4 | 19 | 2.1 | 321.0 | 3111 | 10.0 | 28 | 3.0 | 323.3 | 3101 | 8.0 | 43 | 4.1 | 324.3 | 3113 | 9.0 | 41 | 4.1 | 325.6 | 3125 | 700 |
| 725 | 12.3 | 19 | 2.3 | 320.6 | 2818 | 11.8 | 24 | 2.8 | 321.6 | 2808 | 9.8 | 45 | 4.7 | 325.0 | 2822 | 10.3 | 33 | 3.5 | 322.0 | 2834 | 725 |
| 750 | 13.6 | 21 | 2.7 | 320.2 | 2533 | 13.5 | 20 | 2.6 | 319.7 | 2524 | 11.1 | 33 | 3.6 | 320.0 | 2540 | 11.6 | 25 | 2.9 | 318.3 | 2552 | 750 |
| 775 | 13.7 | 27 | 3.4 | 319.4 | 2258 | 12.8 | 27 | 3.2 | 317.8 | 2248 | 12.3 | 21 | 2.4 | 314.7 | 2266 | 12.9 | 18 | 2.1 | 314.6 | 2277 | 775 |
| 800 | 13.9 | 33 | 4.1 | 318.7 | 1990 | 14.3 | 32 | 4.1 | 319.2 | 1981 | 13.3 | 18 | 2.2 | 312.3 | 2000 | 12.7 | 41 | 4.7 | 319.0 | 2011 | 800 |
| 825 | 15.6 | 35 | 4.7 | 319.5 | 1730 | 15.7 | 38 | 5.1 | 320.8 | 1721 | 14.2 | 20 | 2.4 | 311.3 | 1741 | 13.2 | 55 | 6.4 | 321.6 | 1752 | 825 |
| 850 | 17.3 | 36 | 5.3 | 320.4 | 1476 | 16.5 | 45 | 6.2 | 322.1 | 1467 | 14.3 | 46 | 5.5 | 317.6 | 1489 | 14.3 | 61 | 7.4 | 322.9 | 1500 | 850 |
| 875 | 17.6 | 36 | 5.1 | 317.6 | 1228 | 15.8 | 65 | 8.4 | 324.7 | 1220 | 14.3 | 74 | 8.7 | 323.8 | 1244 | 15.3 | 68 | 8.5 | 324.3 | 1255 | 875 |
| 900 | 18.3 | 50 | 7.3 | 321.8 | 987 | 16.8 | 76 | 10.2 | 327.9 | 980 | 15.7 | 83 | 10.5 | 327.4 | 1005 | 17.0 | 66 | 9.0 | 324.9 | 1015 | 900 |
| 925 | 19.0 | 63 | 9.4 | 325.9 | 752 | 18.5 | 80 | 11.6 | 331.2 | 745 | 17.4 | 87 | 11.9 | 330.8 | 771 | 18.7 | 64 | 9.4 | 325.5 | 780 | 925 |
| 950 | 20.2 | 70 | 11.1 | 329.3 | 522 | 20.2 | 83 | 13.1 | 334.7 | 515 | 19.1 | 90 | 13.3 | 334.0 | 541 | 20.4 | 61 | 9.8 | 326.0 | 550 | 950 |
| 975 | 23.0 | 60 | 10.9 | 329.7 | 296 | 22.3 | 80 | 14.1 | 337.5 | 289 | 21.1 | 80 | 13.0 | 333.1 | 317 | 22.0 | 59 | 10.2 | 326.5 | 325 | 975 |
| 1000 | 24.6 | 70 | 13.7 | 336.6 | 74 | 24.4 | 78 | 15.1 | 340.2 | 68 | 23.2 | 74 | 13.3 | 333.8 | 96 | 23.5 | 67 | 12.3 | 331.4 | 104 | 1000 |
| SFC. | 24.9 | 76 | 15.1 | 340.0 | 0 | 25.0 | 77 | 15.4 | 341.1 | 0 | 24.3 | 77 | 14.7 | 338.0 | 0 | 24.1 | 77 | 14.5 | 337.1 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.5 | SURFACE PRESSURE | | | | 1007.7 | SURFACE PRESSURE | | | | 1011.0 | SURFACE PRESSURE | | | | 1011.9 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/ 5 1134 GMT | | | | | 3/11 1118 GMT | | | | | 3/11 23 7 GMT | | | | | 3/12 1124 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.6 | 0 | 0.0 | 459.5 | 19484 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.8 | 0 | 0.0 | 430.7 | 18566 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.5 | 0 | 0.0 | 407.0 | 17786 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.0 | 0 | 0.0 | 392.5 | 17043 | -78.7 | 0 | 0.0 | 387.1 | 17110 | -78.2 | 0 | 0.0 | 388.1 | 16982 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.2 | 0 | 0.0 | 384.4 | 16432 | -79.4 | 0 | 0.0 | 374.4 | 16513 | -78.5 | 0 | 0.0 | 376.1 | 16381 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.4 | 0 | 0.0 | 371.8 | 15878 | -76.8 | 0 | 0.0 | 369.2 | 15968 | -80.1 | 0 | 0.0 | 363.0 | 15841 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.5 | 0 | 0.0 | 368.0 | 15372 | -74.4 | 0 | 0.0 | 364.4 | 15465 | -77.5 | 0 | 0.0 | 358.8 | 15347 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.9 | 0 | 0.0 | 366.1 | 14897 | -71.0 | 0 | 0.0 | 362.3 | 14995 | -74.2 | 0 | 0.0 | 356.7 | 14884 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.6 | 0 | 0.0 | 364.2 | 14450 | -67.7 | 0 | 0.0 | 360.5 | 14553 | -70.9 | 0 | 0.0 | 354.9 | 14449 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.5 | 0 | 0.0 | 362.4 | 14028 | -64.7 | 0 | 0.0 | 358.7 | 14135 | -67.9 | 0 | 0.0 | 353.2 | 14037 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.5 | 0 | 0.0 | 355.8 | 13630 | -61.7 | 0 | 0.0 | 357.1 | 13738 | -65.0 | 0 | 0.0 | 351.5 | 13647 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.2 | 0 | 0.0 | 353.5 | 13254 | -58.9 | 0 | 0.0 | 355.6 | 13360 | -62.4 | 0 | 0.0 | 349.9 | 13275 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.0 | 0 | 0.0 | 351.3 | 12895 | -56.3 | 0 | 0.0 | 354.2 | 12999 | -59.8 | 0 | 0.0 | 348.4 | 12920 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.0 | 0 | 0.0 | 349.3 | 12553 | -53.8 | 0 | 0.0 | 352.7 | 12654 | -57.5 | 0 | 0.0 | 346.8 | 12580 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.0 | 0 | 0.0 | 347.3 | 12225 | -51.4 | 0 | 0.0 | 351.4 | 12323 | -55.2 | 0 | 0.0 | 345.4 | 12254 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.6 | 0 | 0.0 | 344.0 | 11460 | -46.0 | 0 | 0.0 | 348.1 | 11549 | -49.8 | 0 | 0.0 | 342.2 | 11494 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.8 | 0 | 0.0 | 340.9 | 10760 | -41.1 | 0 | 0.0 | 345.0 | 10840 | -44.1 | 0 | 0.0 | 340.5 | 10796 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -39.4 | 12 | .1 | 338.4 | 10114 | -38.3 | 19 | .1 | 340.2 | 10188 | -38.9 | M | M | M | 10149 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -35.8 | 12 | .1 | 335.3 | 9513 | -34.6 | 19 | .1 | 337.1 | 9585 | -36.5 | M | M | M | 9551 | 300 |
| 325 | -32.3 | M | M | M | 9035 | -33.7 | 13 | .1 | 330.6 | 8954 | -30.9 | 19 | .2 | 334.8 | 9021 | -31.8 | M | M | M | 8991 | 325 |
| 350 | -28.7 | M | M | M | 8509 | -30.4 | 13 | .1 | 328.3 | 8431 | -27.0 | 19 | .2 | 333.2 | 8491 | -27.4 | M | M | M | 8462 | 350 |
| 375 | -24.4 | M | M | M | 8011 | -25.9 | 12 | .2 | 327.9 | 7936 | -23.5 | 19 | .3 | 331.7 | 7991 | -23.3 | M | M | M | 7961 | 375 |
| 400 | -20.4 | M | M | M | 7537 | -21.8 | 11 | .2 | 327.5 | 7465 | -20.1 | 19 | .4 | 330.3 | 7515 | -19.4 | M | M | M | 7485 | 400 |
| 425 | -16.6 | M | M | M | 7085 | -17.9 | 10 | .2 | 327.0 | 7015 | -16.5 | 19 | .5 | 329.5 | 7063 | -15.8 | M | M | M | 7032 | 425 |
| 450 | -13.0 | M | M | M | 6652 | -16.6 | 13 | .3 | 323.5 | 6587 | -13.2 | 19 | .6 | 328.8 | 6630 | -13.2 | M | M | M | 6599 | 450 |
| 475 | -9.3 | M | M | M | 6237 | -13.5 | 14 | .4 | 322.8 | 6178 | -10.0 | 19 | .7 | 328.2 | 6216 | -10.9 | M | M | M | 6185 | 475 |
| 500 | -5.9 | M | M | M | 5838 | -10.4 | 15 | .5 | 322.2 | 5786 | -8.7 | 20 | .8 | 325.2 | 5820 | -9.5 | M | M | M | 5790 | 500 |
| 525 | -2.6 | M | M | M | 5454 | -7.6 | 16 | .7 | 321.7 | 5418 | -5.5 | 20 | 1.0 | 325.3 | 5439 | -7.5 | M | M | M | 5412 | 525 |
| 550 | -.3 | M | M | M | 5084 | -4.8 | 31 | 1.5 | 323.6 | 5044 | -2.3 | 20 | 1.2 | 325.4 | 5072 | -4.9 | M | M | M | 5049 | 550 |
| 575 | .5 | M | M | M | 4728 | -2.6 | 51 | 2.8 | 326.2 | 4693 | -.3 | 24 | 1.5 | 324.9 | 4718 | -2.4 | M | M | M | 4698 | 575 |
| 600 | 3.0 | M | M | M | 4385 | -2.5 | 71 | 3.8 | 325.2 | 4355 | 1.3 | 28 | 2.0 | 324.2 | 4377 | .0 | M | M | M | 4359 | 600 |
| 625 | 5.5 | M | M | M | 4054 | -2.5 | 69 | 3.5 | 320.6 | 4031 | 2.8 | 33 | 2.4 | 323.7 | 4047 | 1.8 | M | M | M | 4031 | 625 |
| 650 | 7.3 | 10 | 1.0 | 320.7 | 3732 | -.1 | 56 | 3.3 | 319.3 | 3718 | 4.3 | 37 | 3.0 | 323.4 | 3729 | 2.9 | M | M | M | 3715 | 650 |
| 675 | 8.5 | 10 | 1.0 | 318.7 | 3421 | 2.2 | 53 | 3.5 | 319.1 | 3414 | 5.7 | 41 | 3.5 | 323.2 | 3421 | 5.1 | M | M | M | 3408 | 675 |
| 700 | 9.7 | 10 | 1.1 | 316.9 | 3121 | 4.4 | 49 | 3.7 | 318.9 | 3119 | 5.2 | 54 | 4.3 | 321.5 | 3123 | 7.2 | M | M | M | 3111 | 700 |
| 725 | 8.7 | 26 | 2.6 | 317.2 | 2830 | 6.6 | 46 | 3.9 | 318.6 | 2832 | 7.6 | 72 | 6.6 | 327.8 | 2835 | 9.3 | M | M | M | 2822 | 725 |
| 750 | 7.6 | 46 | 4.0 | 317.1 | 2550 | 8.5 | 48 | 4.5 | 319.6 | 2552 | 9.6 | 73 | 7.3 | 329.0 | 2554 | 10.1 | M | M | M | 2541 | 750 |
| 775 | 8.8 | 49 | 4.4 | 316.8 | 2279 | 10.1 | 48 | 4.8 | 319.4 | 2280 | 11.4 | 74 | 8.1 | 330.3 | 2280 | 10.7 | M | M | M | 2269 | 775 |
| 800 | 7.7 | 35 | 2.8 | 308.0 | 2017 | 11.1 | 58 | 6.0 | 320.9 | 2016 | 12.5 | 75 | 8.6 | 329.7 | 2014 | 12.6 | M | M | M | 2004 | 800 |
| 825 | 11.7 | 97 | 10.2 | 330.3 | 1760 | 12.0 | 68 | 7.2 | 322.5 | 1758 | 13.3 | 76 | 8.9 | 328.7 | 1754 | 13.4 | M | M | M | 1746 | 825 |
| 850 | 13.1 | 96 | 10.7 | 330.6 | 1509 | 12.7 | 93 | 10.2 | 328.5 | 1507 | 14.2 | 76 | 9.2 | 327.8 | 1502 | 14.2 | M | M | M | 1495 | 850 |
| 875 | 14.5 | 95 | 11.3 | 331.1 | 1264 | 13.8 | 94 | 10.7 | 328.5 | 1263 | 15.9 | 68 | 8.9 | 326.1 | 1256 | 15.0 | M | M | M | 1251 | 875 |
| 900 | 15.8 | 94 | 11.9 | 331.5 | 1024 | 14.8 | 95 | 11.3 | 328.6 | 1024 | 17.5 | 60 | 8.5 | 324.1 | 1016 | 15.8 | M | M | M | 1013 | 900 |
| 925 | 17.1 | 94 | 12.5 | 332.0 | 790 | 16.2 | 96 | 12.1 | 329.9 | 791 | 19.0 | 58 | 8.7 | 324.0 | 781 | 17.6 | M | M | M | 780 | 925 |
| 950 | 18.5 | 92 | 13.1 | 332.5 | 561 | 18.5 | 98 | 14.0 | 335.0 | 562 | 20.3 | 64 | 10.1 | 326.6 | 551 | 19.7 | M | M | M | 551 | 950 |
| 975 | 20.3 | 86 | 13.4 | 333.2 | 337 | 20.5 | 91 | 14.3 | 335.7 | 338 | 21.6 | 67 | 11.3 | 328.9 | 326 | 21.8 | M | M | M | 327 | 975 |
| 1000 | 22.1 | 81 | 13.7 | 333.6 | 117 | 22.4 | 84 | 14.4 | 335.9 | 117 | 23.7 | 69 | 12.9 | 333.5 | 105 | 23.8 | M | M | M | 106 | 1000 |
| SFC. | 23.1 | 78 | 13.8 | 333.8 | 0 | 23.4 | 80 | 14.5 | 335.9 | 0 | 25.0 | 80 | 16.0 | 342.1 | 0 | 24.7 | 79 | 15.5 | 340.4 | 0 | SFC. |
| | SURFACE PRESSURE 1013.5 | | | | | SURFACE PRESSURE 1013.5 | | | | | SURFACE PRESSURE 1012.0 | | | | | SURFACE PRESSURE 1012.1 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/12 1812 GMT T | RH | W | EPT | H | 3/12 23 0 GMT T | RH | W | EPT | H | 3/13 5 0 GMT T | RH | W | EPT | H | 3/13 1115 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.4 | 0 | 0.0 | 466.8 | 19530 | -64.2 | 0 | 0.0 | 467.3 | 19497 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.3 | 0 | 0.0 | 438.4 | 18594 | -70.8 | 18 | .0 | 433.0 | 18567 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.8 | 0 | 0.0 | 406.4 | 17839 | -75.7 | 19 | .0 | 406.7 | 17787 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.5 | 0 | 0.0 | 385.7 | 17136 | -81.4 | 21 | .0 | 381.8 | 17118 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -78.2 | 18 | .0 | 376.6 | 16540 | -78.8 | 0 | 0.0 | 375.4 | 16537 | -80.0 | 22 | .0 | 373.2 | 16525 | -77.7 | 0 | 0.0 | 377.6 | 16531 | 100 |
| 110 | -77.0 | 18 | .0 | 368.8 | 15994 | -77.1 | 0 | 0.0 | 368.5 | 15993 | -79.2 | 20 | .0 | 364.7 | 15984 | -75.2 | 0 | 0.0 | 372.2 | 15982 | 110 |
| 120 | -74.7 | 17 | .0 | 364.0 | 15491 | -74.8 | 0 | 0.0 | 363.7 | 15491 | -76.0 | 20 | .0 | 361.6 | 15486 | -72.9 | 0 | 0.0 | 367.3 | 15474 | 120 |
| 130 | -72.5 | 17 | .0 | 359.7 | 15023 | -72.7 | 0 | 0.0 | 359.2 | 15024 | -73.0 | 20 | .0 | 358.8 | 15020 | -70.8 | 0 | 0.0 | 362.7 | 15002 | 130 |
| 140 | -69.3 | 17 | .0 | 357.8 | 14584 | -70.8 | 0 | 0.0 | 355.1 | 14587 | -70.3 | 20 | .0 | 356.0 | 14583 | -68.8 | 0 | 0.0 | 358.6 | 14561 | 140 |
| 150 | -66.3 | 16 | .0 | 355.9 | 14169 | -67.5 | 0 | 0.0 | 353.8 | 14174 | -67.7 | 20 | .0 | 353.4 | 14170 | -67.0 | 0 | 0.0 | 354.7 | 14146 | 150 |
| 160 | -63.5 | 16 | .0 | 354.2 | 13776 | -64.5 | 0 | 0.0 | 352.5 | 13783 | -65.4 | 20 | .0 | 351.0 | 13780 | -65.3 | 0 | 0.0 | 351.1 | 13755 | 160 |
| 170 | -60.8 | 16 | .0 | 352.5 | 13401 | -61.6 | 0 | 0.0 | 351.2 | 13410 | -62.8 | 20 | .0 | 349.2 | 13409 | -63.7 | 0 | 0.0 | 347.7 | 13385 | 170 |
| 180 | -58.2 | 16 | .0 | 351.1 | 13044 | -58.9 | 0 | 0.0 | 349.9 | 13053 | -59.6 | 20 | .0 | 348.8 | 13054 | -60.7 | 0 | 0.0 | 347.0 | 13032 | 180 |
| 190 | -55.7 | 16 | .0 | 349.8 | 12701 | -56.3 | 0 | 0.0 | 348.7 | 12712 | -56.6 | 19 | .0 | 348.3 | 12714 | -57.8 | 0 | 0.0 | 346.3 | 12693 | 190 |
| 200 | -53.3 | 16 | .0 | 348.5 | 12373 | -53.9 | 0 | 0.0 | 347.4 | 12385 | -53.7 | 19 | .0 | 347.8 | 12386 | -55.1 | 0 | 0.0 | 345.5 | 12367 | 200 |
| 225 | -47.9 | 15 | .0 | 345.3 | 11605 | -47.7 | 0 | 0.0 | 345.4 | 11618 | -49.0 | 19 | .0 | 343.6 | 11621 | -48.9 | 0 | 0.0 | 343.6 | 11604 | 225 |
| 250 | -42.7 | 15 | .1 | 342.8 | 10902 | -41.9 | 0 | 0.0 | 343.7 | 10914 | -44.0 | 18 | .1 | 341.0 | 10922 | -43.3 | 0 | 0.0 | 341.7 | 10904 | 250 |
| 275 | -37.5 | 15 | .1 | 341.3 | 10252 | -37.0 | 16 | .1 | 342.1 | 10261 | -38.5 | 17 | .1 | 339.9 | 10275 | -38.0 | 12 | .1 | 340.4 | 10255 | 275 |
| 300 | -33.0 | 15 | .1 | 339.4 | 9645 | -32.5 | 16 | .1 | 340.1 | 9654 | -32.8 | 16 | .1 | 339.7 | 9669 | -32.9 | 12 | .1 | 339.4 | 9649 | 300 |
| 325 | -29.9 | 17 | .2 | 336.2 | 9079 | -28.5 | 17 | .2 | 338.2 | 9085 | -29.2 | 17 | .2 | 337.2 | 9101 | -28.2 | 11 | .1 | 338.4 | 9081 | 325 |
| 350 | -25.6 | 16 | .2 | 335.1 | 8546 | -24.7 | 17 | .2 | 336.5 | 8549 | -25.9 | 17 | .2 | 334.8 | 8569 | -24.1 | 11 | .2 | 337.0 | 8544 | 350 |
| 375 | -21.3 | 15 | .3 | 334.5 | 8042 | -21.2 | 17 | .3 | 334.8 | 8044 | -21.7 | 17 | .3 | 334.1 | 8065 | -20.8 | 10 | .2 | 334.9 | 8038 | 375 |
| 400 | -17.3 | 14 | .3 | 333.8 | 7562 | -17.9 | 17 | .4 | 333.3 | 7564 | -17.8 | 17 | .4 | 333.4 | 7586 | -17.7 | 10 | .2 | 332.9 | 7558 | 400 |
| 425 | -13.5 | 13 | .4 | 333.2 | 7104 | -14.2 | 17 | .5 | 332.6 | 7108 | -13.9 | 15 | .5 | 332.9 | 7129 | -14.1 | 10 | .3 | 332.1 | 7101 | 425 |
| 450 | -10.4 | 13 | .5 | 332.1 | 6667 | -10.7 | 16 | .6 | 332.0 | 6671 | -10.5 | 14 | .6 | 332.1 | 6692 | -10.6 | 10 | .4 | 331.3 | 6664 | 450 |
| 475 | -9.0 | 13 | .5 | 328.8 | 6250 | -8.1 | 16 | .7 | 330.6 | 6253 | -7.6 | 14 | .6 | 331.0 | 6273 | -7.4 | 10 | .5 | 330.5 | 6246 | 475 |
| 500 | -6.3 | 13 | .6 | 327.6 | 5851 | -6.1 | 17 | .8 | 328.6 | 5854 | -5.5 | 14 | .7 | 328.9 | 5873 | -5.6 | 10 | .5 | 328.2 | 5845 | 500 |
| 525 | -5.8 | 18 | .8 | 324.4 | 5469 | -3.8 | 20 | 1.1 | 327.9 | 5470 | -4.1 | 47 | 2.5 | 331.9 | 5489 | -3.8 | 10 | .5 | 325.9 | 5461 | 525 |
| 550 | -4.0 | 19 | 1.0 | 322.8 | 5104 | -1.5 | 23 | 1.4 | 327.2 | 5101 | -2.0 | 35 | 2.1 | 329.0 | 5121 | -2.4 | 31 | 1.8 | 327.3 | 5093 | 550 |
| 575 | -1.0 | 18 | 1.1 | 322.7 | 4751 | .7 | 25 | 1.8 | 326.8 | 4746 | .1 | 34 | 2.3 | 327.7 | 4766 | -.5 | 35 | 2.2 | 327.0 | 4739 | 575 |
| 600 | 1.9 | 17 | 1.2 | 322.5 | 4410 | 2.7 | 28 | 2.1 | 326.5 | 4403 | 2.0 | 37 | 2.7 | 327.4 | 4424 | 2.0 | 21 | 1.5 | 323.7 | 4398 | 600 |
| 625 | 4.6 | 15 | 1.3 | 322.3 | 4079 | 4.7 | 29 | 2.5 | 326.1 | 4071 | 3.9 | 48 | 3.8 | 329.2 | 4093 | 3.3 | 43 | 3.3 | 327.0 | 4067 | 625 |
| 650 | 7.3 | 14 | 1.4 | 322.0 | 3758 | 6.5 | 30 | 2.8 | 325.5 | 3751 | 5.8 | 33 | 2.9 | 325.1 | 3773 | 5.6 | 41 | 3.6 | 326.9 | 3748 | 650 |
| 675 | 7.8 | 24 | 2.4 | 322.2 | 3448 | 8.3 | 30 | 3.1 | 325.0 | 3440 | 7.8 | 40 | 3.9 | 327.0 | 3463 | 8.0 | 38 | 3.7 | 326.5 | 3438 | 675 |
| 700 | 10.1 | 31 | 3.5 | 324.8 | 3147 | 10.1 | 31 | 3.4 | 324.5 | 3139 | 9.7 | 22 | 2.3 | 321.0 | 3162 | 9.2 | 60 | 6.3 | 332.2 | 3137 | 700 |
| 725 | 11.6 | 31 | 3.7 | 323.9 | 2854 | 11.6 | 27 | 3.2 | 322.5 | 2846 | 11.3 | 35 | 4.0 | 324.6 | 2870 | 10.4 | 82 | 9.0 | 338.1 | 2845 | 725 |
| 750 | 12.5 | 27 | 3.3 | 320.6 | 2570 | 12.9 | 15 | 1.9 | 316.7 | 2562 | 12.8 | 47 | 5.8 | 328.5 | 2586 | 12.4 | 73 | 8.8 | 336.5 | 2561 | 750 |
| 775 | 10.3 | 77 | 7.8 | 328.1 | 2298 | 13.7 | 35 | 4.4 | 322.2 | 2287 | 14.4 | 50 | 6.7 | 329.8 | 2309 | 13.8 | 74 | 9.5 | 337.0 | 2284 | 775 |
| 800 | 12.7 | 68 | 7.8 | 328.0 | 2032 | 14.4 | 54 | 6.9 | 327.4 | 2019 | 16.1 | 47 | 6.8 | 329.1 | 2040 | 14.4 | 93 | 12.1 | 342.0 | 2015 | 800 |
| 825 | 15.1 | 59 | 7.7 | 327.5 | 1772 | 15.4 | 40 | 5.4 | 321.1 | 1758 | 16.9 | 70 | 10.3 | 337.2 | 1778 | 15.7 | 97 | 13.2 | 343.7 | 1754 | 825 |
| 850 | 16.7 | 62 | 8.7 | 329.5 | 1518 | 17.0 | 50 | 7.1 | 325.2 | 1514 | 17.5 | 85 | 12.7 | 341.5 | 1522 | 17.1 | 96 | 14.0 | 344.6 | 1499 | 850 |
| 875 | 17.0 | 72 | 10.1 | 330.8 | 1271 | 17.8 | 61 | 9.0 | 328.6 | 1256 | 18.0 | 85 | 12.7 | 339.2 | 1273 | 18.4 | 96 | 14.8 | 345.6 | 1249 | 875 |
| 900 | 17.3 | 82 | 11.4 | 331.9 | 1030 | 18.1 | 66 | 9.6 | 328.1 | 1015 | 19.5 | 85 | 13.6 | 340.8 | 1030 | 19.8 | 96 | 15.6 | 346.6 | 1006 | 900 |
| 925 | 18.5 | 86 | 12.6 | 333.9 | 795 | 19.9 | 61 | 9.7 | 327.8 | 779 | 21.0 | 85 | 14.6 | 342.5 | 793 | 21.3 | 93 | 16.3 | 347.7 | 768 | 925 |
| 950 | 20.5 | 85 | 13.8 | 336.8 | 564 | 21.2 | 63 | 10.7 | 329.4 | 549 | 22.5 | 85 | 15.5 | 344.3 | 561 | 22.9 | 91 | 17.0 | 348.6 | 535 | 950 |
| 975 | 22.4 | 84 | 15.0 | 339.9 | 338 | 22.5 | 69 | 12.2 | 332.6 | 323 | 23.9 | 85 | 16.5 | 346.1 | 333 | 24.3 | 88 | 17.6 | 349.6 | 307 | 975 |
| 1000 | 24.3 | 84 | 16.2 | 343.0 | 116 | 24.7 | 75 | 14.8 | 339.9 | 101 | 25.3 | 85 | 17.5 | 348.0 | 110 | 25.8 | 86 | 18.2 | 350.4 | 84 | 1000 |
| SFC. | 25.3 | 83 | 16.9 | 344.8 | 0 | 25.8 | 81 | 17.0 | 345.9 | 0 | 26.0 | 85 | 18.1 | 349.0 | 0 | 26.3 | 85 | 18.4 | 350.8 | 0 | SFC. |
| | SURFACE PRESSURE 1013.3 | | | | | SURFACE PRESSURE 1011.5 | | | | | SURFACE PRESSURE 1012.5 | | | | | SURFACE PRESSURE 1009.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/13 1835 GMT | | | | | 3/13 23 7 GMT | | | | | 3/14 5 5 GMT | | | | | 3/14 1115 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -61.9 | 15 | .0 | 472.4 | 19556 | -64.1 | 0 | 0.0 | 467.4 | 19514 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.7 | 0 | 0.0 | 466.0 | 19497 | 60 |
| 70 | -67.8 | 16 | .0 | 439.5 | 18613 | -67.6 | 0 | 0.0 | 439.7 | 18576 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.2 | 0 | 0.0 | 438.4 | 18556 | 70 |
| 80 | -79.0 | 17 | .0 | 399.8 | 17837 | -77.3 | 0 | 0.0 | 403.4 | 17792 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.4 | 0 | 0.0 | 405.2 | 17768 | 80 |
| 90 | -79.8 | 18 | .0 | 385.0 | 17172 | -82.0 | 0 | 0.0 | 380.6 | 17128 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.6 | 0 | 0.0 | 381.3 | 17104 | 90 |
| 100 | -78.1 | 17 | .0 | 376.9 | 16573 | -80.9 | 0 | 0.0 | 371.4 | 16537 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.0 | 0 | 0.0 | 371.2 | 16512 | 100 |
| 110 | -76.6 | 17 | .0 | 369.6 | 16026 | -77.8 | 0 | 0.0 | 367.2 | 15996 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.7 | 0 | 0.0 | 365.6 | 15972 | 110 |
| 120 | -74.5 | 17 | .0 | 364.4 | 15523 | -75.0 | 0 | 0.0 | 363.4 | 15494 | -77.1 | 19 | .0 | 359.5 | 15520 | -76.6 | 0 | 0.0 | 360.5 | 15474 | 120 |
| 130 | -71.6 | 17 | .0 | 361.4 | 15054 | -72.1 | 0 | 0.0 | 360.4 | 15027 | -73.0 | 18 | .0 | 358.8 | 15056 | -73.9 | 0 | 0.0 | 357.1 | 15011 | 130 |
| 140 | -68.9 | 17 | .0 | 358.5 | 14613 | -69.0 | 0 | 0.0 | 358.2 | 14587 | -69.4 | 19 | .0 | 357.5 | 14617 | -70.8 | 0 | 0.0 | 355.1 | 14575 | 140 |
| 150 | -66.3 | 16 | .0 | 355.8 | 14198 | -66.2 | 0 | 0.0 | 356.1 | 14172 | -66.2 | 19 | .0 | 356.1 | 14203 | -67.9 | 0 | 0.0 | 353.2 | 14163 | 150 |
| 160 | -64.0 | 16 | .0 | 353.3 | 13805 | -63.5 | 0 | 0.0 | 354.1 | 13778 | -63.2 | 20 | .0 | 354.7 | 13809 | -65.1 | 0 | 0.0 | 351.4 | 13773 | 160 |
| 170 | -61.8 | 16 | .0 | 350.9 | 13432 | -62.6 | 0 | 0.0 | 349.6 | 13405 | -62.5 | 19 | .0 | 349.7 | 13435 | -62.6 | 0 | 0.0 | 349.6 | 13401 | 170 |
| 180 | -59.7 | 16 | .0 | 348.6 | 13076 | -60.1 | 0 | 0.0 | 348.0 | 13051 | -59.8 | 19 | .0 | 348.4 | 13080 | -60.1 | 0 | 0.0 | 347.9 | 13046 | 180 |
| 190 | -56.7 | 16 | .0 | 348.2 | 12736 | -57.3 | 0 | 0.0 | 347.0 | 12711 | -57.0 | 19 | .0 | 347.6 | 12740 | -57.8 | 0 | 0.0 | 346.2 | 12707 | 190 |
| 200 | -53.7 | 15 | .0 | 347.9 | 12408 | -54.7 | 0 | 0.0 | 346.1 | 12385 | -54.4 | 18 | .0 | 346.8 | 12414 | -55.1 | 0 | 0.0 | 345.6 | 12382 | 200 |
| 225 | -47.2 | 15 | .0 | 346.4 | 11640 | -48.7 | 0 | 0.0 | 343.9 | 11621 | -48.1 | 18 | .0 | 344.9 | 11649 | -48.3 | 0 | 0.0 | 344.5 | 11618 | 225 |
| 250 | -42.8 | 15 | .1 | 342.7 | 10936 | -43.4 | 0 | 0.0 | 341.6 | 10920 | -41.9 | 17 | .1 | 344.0 | 10945 | -42.3 | 0 | 0.0 | 343.3 | 10915 | 250 |
| 275 | -37.5 | 15 | .1 | 341.3 | 10286 | -38.2 | 21 | .1 | 340.3 | 10272 | -36.3 | 16 | .1 | 343.0 | 10291 | -37.0 | 19 | .1 | 342.1 | 10263 | 275 |
| 300 | -32.2 | 14 | .1 | 340.5 | 9678 | -33.1 | 20 | .2 | 339.5 | 9667 | -31.6 | 16 | .1 | 341.4 | 9682 | -32.4 | 19 | .2 | 340.4 | 9655 | 300 |
| 325 | -27.7 | 14 | .2 | 339.2 | 9108 | -28.3 | 20 | .2 | 338.6 | 9098 | -27.8 | 16 | .2 | 339.2 | 9111 | -28.1 | 18 | .2 | 338.8 | 9086 | 325 |
| 350 | -23.6 | 14 | .2 | 337.9 | 8571 | -23.9 | 20 | .3 | 337.8 | 8562 | -23.6 | 16 | .3 | 338.0 | 8574 | -24.2 | 18 | .3 | 337.2 | 8550 | 350 |
| 375 | -19.7 | 14 | .3 | 336.7 | 8063 | -19.7 | 19 | .4 | 337.1 | 8054 | -19.3 | 16 | .4 | 337.4 | 8065 | -20.0 | 18 | .4 | 336.6 | 8042 | 375 |
| 400 | -17.3 | 14 | .4 | 333.9 | 7582 | -15.9 | 19 | .5 | 336.3 | 7571 | -15.3 | 16 | .5 | 336.9 | 7582 | -15.9 | 17 | .5 | 336.1 | 7560 | 400 |
| 425 | -13.7 | 15 | .5 | 333.2 | 7124 | -12.9 | 19 | .6 | 334.8 | 7112 | -12.3 | 16 | .6 | 335.4 | 7121 | -13.6 | 18 | .6 | 333.7 | 7101 | 425 |
| 450 | -10.3 | 16 | .6 | 332.5 | 6687 | -10.0 | 19 | .7 | 333.4 | 6673 | -9.4 | 16 | .7 | 333.9 | 6682 | -11.2 | 18 | .6 | 331.6 | 6665 | 450 |
| 475 | -7.1 | 17 | .8 | 332.0 | 6268 | -7.3 | 18 | .9 | 332.1 | 6254 | -6.7 | 16 | .8 | 332.6 | 6262 | -7.7 | 17 | .8 | 331.3 | 6247 | 475 |
| 500 | -4.6 | 17 | .9 | 330.8 | 5866 | -4.7 | 18 | 1.0 | 330.8 | 5853 | -4.1 | 16 | .9 | 331.3 | 5860 | -5.3 | 20 | 1.0 | 330.2 | 5846 | 500 |
| 525 | -2.8 | 16 | 1.0 | 328.6 | 5481 | -2.3 | 18 | 1.1 | 329.6 | 5467 | -2.2 | 15 | .9 | 329.1 | 5473 | -2.9 | 23 | 1.3 | 329.6 | 5461 | 525 |
| 550 | -1.1 | 16 | 1.0 | 326.4 | 5111 | .0 | 18 | 1.2 | 328.5 | 5097 | -1.2 | 50 | 3.2 | 333.3 | 5103 | -2.2 | 58 | 3.4 | 332.7 | 5092 | 550 |
| 575 | -.7 | 24 | 1.5 | 324.3 | 4757 | 1.4 | 26 | 1.9 | 328.2 | 4740 | -.0 | 56 | 3.7 | 332.2 | 4747 | -.9 | 98 | 6.1 | 338.3 | 4738 | 575 |
| 600 | 1.4 | 41 | 2.9 | 327.2 | 4415 | 2.8 | 33 | 2.5 | 327.8 | 4396 | 1.4 | 61 | 4.3 | 331.7 | 4405 | 1.2 | 93 | 6.5 | 337.9 | 4396 | 600 |
| 625 | 3.6 | 28 | 2.2 | 323.9 | 4085 | 4.9 | 23 | 2.0 | 324.9 | 4065 | 4.0 | 43 | 3.5 | 328.4 | 4075 | 3.7 | 65 | 5.2 | 333.2 | 4065 | 625 |
| 650 | 5.3 | 36 | 3.1 | 325.0 | 3766 | 6.6 | 27 | 2.5 | 324.8 | 3744 | 5.7 | 51 | 4.5 | 329.8 | 3755 | 5.9 | 56 | 5.0 | 331.6 | 3745 | 650 |
| 675 | 7.0 | 42 | 3.9 | 326.0 | 3457 | 8.3 | 31 | 3.1 | 325.0 | 3433 | 7.7 | 63 | 6.2 | 333.4 | 3445 | 8.1 | 48 | 4.8 | 329.8 | 3434 | 675 |
| 700 | 9.4 | 33 | 3.5 | 324.2 | 3156 | 9.9 | 34 | 3.7 | 325.4 | 3132 | 9.9 | 57 | 6.2 | 332.8 | 3143 | 10.1 | 39 | 4.4 | 327.6 | 3133 | 700 |
| 725 | 11.7 | 26 | 3.1 | 322.4 | 2864 | 11.4 | 38 | 4.4 | 325.9 | 2839 | 12.0 | 51 | 6.2 | 331.9 | 2850 | 11.4 | 52 | 6.1 | 331.1 | 2840 | 725 |
| 750 | 12.9 | 53 | 6.6 | 330.8 | 2580 | 12.9 | 42 | 5.2 | 326.6 | 2555 | 13.6 | 57 | 7.4 | 334.2 | 2565 | 12.5 | 85 | 10.4 | 341.2 | 2556 | 750 |
| 775 | 14.1 | 54 | 7.0 | 330.3 | 2303 | 14.3 | 45 | 5.9 | 327.4 | 2278 | 14.9 | 58 | 8.0 | 334.1 | 2288 | 13.6 | 90 | 11.5 | 342.5 | 2279 | 775 |
| 800 | 15.3 | 61 | 8.3 | 332.4 | 2035 | 15.7 | 48 | 6.7 | 328.4 | 2009 | 15.6 | 73 | 10.2 | 338.2 | 2018 | 14.7 | 91 | 12.1 | 342.5 | 2010 | 800 |
| 825 | 16.5 | 71 | 10.3 | 336.4 | 1773 | 17.0 | 51 | 7.6 | 329.4 | 1747 | 16.1 | 92 | 13.0 | 343.5 | 1756 | 15.8 | 92 | 12.7 | 342.5 | 1748 | 825 |
| 850 | 17.9 | 61 | 9.3 | 332.6 | 1517 | 18.3 | 54 | 8.5 | 330.6 | 1492 | 17.6 | 93 | 13.9 | 345.1 | 1500 | 16.9 | 93 | 13.4 | 342.6 | 1493 | 850 |
| 875 | 19.5 | 60 | 9.8 | 332.8 | 1268 | 19.6 | 57 | 9.4 | 332.0 | 1242 | 19.2 | 91 | 14.7 | 346.3 | 1251 | 17.9 | 94 | 14.0 | 342.7 | 1244 | 875 |
| 900 | 21.1 | 64 | 11.3 | 336.2 | 1024 | 20.8 | 60 | 10.4 | 333.4 | 999 | 20.7 | 90 | 15.5 | 347.6 | 1006 | 18.9 | 95 | 14.7 | 342.9 | 1002 | 900 |
| 925 | 22.6 | 69 | 12.9 | 339.9 | 786 | 19.5 | 87 | 13.5 | 337.6 | 761 | 22.2 | 88 | 16.3 | 348.9 | 768 | 20.6 | 94 | 15.7 | 345.0 | 764 | 925 |
| 950 | 24.1 | 73 | 14.7 | 343.9 | 552 | 21.8 | 81 | 14.2 | 339.6 | 530 | 23.7 | 87 | 17.1 | 350.2 | 534 | 22.3 | 93 | 16.8 | 347.3 | 532 | 950 |
| 975 | 25.6 | 77 | 16.5 | 348.2 | 323 | 24.0 | 75 | 14.7 | 341.3 | 3 3 | 25.1 | 86 | 17.9 | 351.5 | 305 | 23.9 | 92 | 17.8 | 349.6 | 304 | 975 |
| 1000 | 27.0 | 81 | 18.5 | 352.9 | 99 | 26.1 | 77 | 16.6 | 346.5 | 79 | 26.5 | 84 | 18.7 | 352.8 | 81 | 25.5 | 90 | 18.9 | 352.0 | 81 | 1000 |
| SFC. | 27.6 | 83 | 19.4 | 355.0 | 0 | 26.7 | 87 | 19.4 | 353.9 | 0 | 27.0 | 84 | 19.0 | 353.3 | 0 | 26.1 | 90 | 19.3 | 352.9 | 0 | SFC. |
| | SURFACE PRESSURE 1011.2 | | | | | SURFACE PRESSURE 1009.0 | | | | | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1009.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — SHIP SURVEYOR

| P | 3/14 1636 GMT T | RH | W | EPT | H | 3/14 19 1 GMT T | RH | W | EPT | H | 3/14 2029 GMT T | RH | W | EPT | H | 3/14 23 4 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.1 | 0 | 0.0 | 467.4 | 19581 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.0 | 0 | 0.0 | 465.5 | 19572 | 60 |
| 70 | -64.6 | 25 | .0 | 446.2 | 18638 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.3 | 0 | 0.0 | 440.5 | 18649 | -65.5 | 0 | 0.0 | 444.3 | 18633 | 70 |
| 80 | -72.3 | 25 | .0 | 413.7 | 17838 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.4 | 0 | 0.0 | 411.4 | 17857 | -75.6 | 0 | 0.0 | 406.8 | 17841 | 80 |
| 90 | -80.3 | 26 | .0 | 384.1 | 17163 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.1 | 0 | 0.0 | 386.3 | 17179 | -80.3 | 0 | 0.0 | 384.0 | 17170 | 90 |
| 100 | -79.5 | 26 | .0 | 374.1 | 16567 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.4 | 18 | .0 | 374.3 | 16581 | -79.3 | 0 | 0.0 | 374.5 | 16574 | 100 |
| 110 | -77.2 | 26 | .0 | 368.4 | 16024 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.9 | 18 | .0 | 369.1 | 16036 | -77.2 | 0 | 0.0 | 368.4 | 16030 | 110 |
| 120 | -74.4 | 25 | .0 | 364.5 | 15521 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.5 | 18 | .0 | 364.3 | 15533 | -75.3 | 0 | 0.0 | 362.8 | 15528 | 120 |
| 130 | -71.8 | 25 | .0 | 360.8 | 15052 | -72.4 | 19 | .0 | 359.8 | 15070 | -72.4 | 18 | .0 | 359.8 | 15065 | -73.2 | 0 | 0.0 | 358.3 | 15062 | 130 |
| 140 | -69.2 | 25 | .0 | 357.9 | 14612 | -69.6 | 19 | .0 | 357.2 | 14631 | -69.3 | 18 | .0 | 357.7 | 14626 | -70.1 | 0 | 0.0 | 356.3 | 14625 | 140 |
| 150 | -66.4 | 25 | .0 | 355.8 | 14197 | -67.0 | 18 | .0 | 354.7 | 14217 | -66.4 | 18 | .0 | 355.7 | 14211 | -67.2 | 0 | 0.0 | 354.3 | 14212 | 150 |
| 160 | -63.8 | 25 | .0 | 353.7 | 13804 | -64.6 | 18 | .0 | 352.3 | 13826 | -63.7 | 17 | .0 | 353.8 | 13818 | -64.4 | 0 | 0.0 | 352.7 | 13820 | 160 |
| 170 | -61.3 | 25 | .0 | 351.8 | 13430 | -61.9 | 18 | .0 | 350.7 | 13453 | -61.2 | 17 | .0 | 351.9 | 13444 | -61.3 | 0 | 0.0 | 351.7 | 13446 | 170 |
| 180 | -59.0 | 25 | .0 | 349.9 | 13074 | -58.9 | 18 | .0 | 350.0 | 13097 | -58.8 | 17 | .0 | 350.1 | 13087 | -58.4 | 0 | 0.0 | 350.7 | 13089 | 180 |
| 190 | -56.5 | 25 | .0 | 348.5 | 12733 | -56.0 | 18 | .0 | 349.3 | 12755 | -55.9 | 17 | .0 | 349.4 | 12746 | -55.7 | 0 | 0.0 | 349.7 | 12747 | 190 |
| 200 | -53.5 | 25 | .0 | 348.2 | 12405 | -53.3 | 18 | .0 | 348.5 | 12427 | -53.2 | 16 | .0 | 348.6 | 12417 | -53.1 | 0 | 0.0 | 348.8 | 12418 | 200 |
| 225 | -46.7 | 24 | .1 | 347.2 | 11636 | -47.0 | 18 | .0 | 346.7 | 11658 | -46.9 | 15 | .0 | 346.7 | 11648 | -46.7 | 0 | 0.0 | 347.0 | 11648 | 225 |
| 250 | -40.6 | 23 | .1 | 346.1 | 10928 | -40.7 | 17 | .1 | 345.8 | 10950 | -40.9 | 15 | .1 | 345.6 | 10940 | -40.9 | 0 | 0.0 | 345.3 | 10940 | 250 |
| 275 | -35.2 | 22 | .2 | 344.8 | 10271 | -35.1 | 17 | .1 | 344.9 | 10294 | -35.3 | 15 | .1 | 344.5 | 10284 | -35.8 | 17 | .1 | 343.9 | 10285 | 275 |
| 300 | -30.3 | 21 | .2 | 343.6 | 9658 | -29.9 | 16 | .2 | 344.0 | 9681 | -30.4 | 15 | .2 | 343.1 | 9672 | -31.1 | 17 | .2 | 342.2 | 9674 | 300 |
| 325 | -26.9 | 21 | .3 | 340.7 | 9085 | -26.7 | 16 | .2 | 340.7 | 9106 | -27.2 | 15 | .2 | 340.0 | 9099 | -26.9 | 16 | .2 | 340.5 | 9102 | 325 |
| 350 | -24.5 | 22 | .3 | 337.0 | 8548 | -24.0 | 16 | .3 | 337.4 | 8569 | -24.1 | 14 | .2 | 337.1 | 8562 | -22.9 | 16 | .3 | 339.0 | 8563 | 350 |
| 375 | -19.7 | 21 | .5 | 337.2 | 8041 | -19.8 | 16 | .3 | 336.7 | 8061 | -20.1 | 14 | .3 | 336.1 | 8055 | -19.2 | 16 | .4 | 337.6 | 8053 | 375 |
| 400 | -16.0 | 25 | .7 | 336.8 | 7557 | -15.4 | 15 | .4 | 336.7 | 7578 | -15.8 | 14 | .4 | 336.0 | 7573 | -15.8 | 16 | .4 | 336.2 | 7570 | 400 |
| 425 | -12.8 | 25 | .8 | 335.6 | 7098 | -12.2 | 15 | .5 | 335.3 | 7117 | -12.7 | 14 | .5 | 334.4 | 7113 | -12.5 | 16 | .5 | 334.9 | 7110 | 425 |
| 450 | -9.8 | 26 | 1.1 | 334.8 | 6659 | -9.5 | 16 | .7 | 333.7 | 6678 | -9.8 | 14 | .6 | 333.0 | 6674 | -9.5 | 16 | .6 | 333.7 | 6671 | 450 |
| 475 | -6.9 | 28 | 1.4 | 334.2 | 6240 | -7.3 | 25 | 1.2 | 333.2 | 6259 | -7.1 | 14 | .7 | 331.7 | 6255 | -6.6 | 15 | .8 | 332.6 | 6251 | 475 |
| 500 | -4.2 | 31 | 1.7 | 333.9 | 5838 | -3.7 | 18 | 1.0 | 332.2 | 5857 | -4.5 | 14 | .8 | 330.4 | 5853 | -3.8 | 15 | .9 | 331.6 | 5849 | 500 |
| 525 | -1.6 | 33 | 2.1 | 333.8 | 5451 | -2.2 | 19 | 1.1 | 329.9 | 5470 | -2.6 | 14 | .8 | 328.3 | 5468 | -1.3 | 18 | 1.2 | 331.1 | 5462 | 525 |
| 550 | -.8 | 47 | 3.1 | 333.6 | 5080 | -.5 | 30 | 2.0 | 330.4 | 5100 | -1.1 | 51 | 3.3 | 333.7 | 5098 | -.6 | 51 | 3.4 | 334.7 | 5090 | 550 |
| 575 | -.6 | 71 | 4.5 | 333.8 | 4724 | .1 | 48 | 3.2 | 330.7 | 4743 | .2 | 19 | 1.2 | 324.6 | 4743 | .4 | 69 | 4.7 | 335.6 | 4734 | 575 |
| 600 | 1.3 | 78 | 5.5 | 335.0 | 4382 | 1.5 | 57 | 4.0 | 330.8 | 4401 | 1.7 | 37 | 2.6 | 326.8 | 4400 | 2.9 | 50 | 3.9 | 332.2 | 4391 | 600 |
| 625 | 3.4 | 70 | 5.5 | 333.6 | 4052 | 3.4 | 47 | 3.7 | 328.3 | 4071 | 3.2 | 43 | 3.3 | 327.0 | 4070 | 4.2 | 43 | 3.6 | 328.9 | 4059 | 625 |
| 650 | 5.3 | 63 | 5.4 | 332.1 | 3732 | 5.3 | 46 | 4.0 | 327.7 | 3751 | 5.3 | 43 | 3.7 | 326.7 | 3751 | 5.5 | 36 | 3.2 | 325.5 | 3739 | 650 |
| 675 | 7.0 | 62 | 5.8 | 331.5 | 3422 | 7.2 | 46 | 4.3 | 327.5 | 3442 | 7.2 | 44 | 4.1 | 327.0 | 3442 | 7.4 | 47 | 4.5 | 328.1 | 3429 | 675 |
| 700 | 8.4 | 68 | 6.7 | 332.5 | 3122 | 8.8 | 54 | 5.5 | 329.4 | 3141 | 9.1 | 45 | 4.7 | 327.3 | 3141 | 9.5 | 48 | 5.1 | 329.1 | 3129 | 700 |
| 725 | 9.7 | 71 | 7.4 | 332.8 | 2831 | 10.4 | 62 | 6.8 | 331.6 | 2850 | 11.0 | 46 | 5.2 | 327.7 | 2849 | 11.5 | 47 | 5.6 | 329.4 | 2836 | 725 |
| 750 | 11.0 | 74 | 8.1 | 332.9 | 2548 | 11.9 | 69 | 8.1 | 334.1 | 2566 | 12.1 | 48 | 5.6 | 327.2 | 2566 | 13.4 | 46 | 6.0 | 329.8 | 2552 | 750 |
| 775 | 13.3 | 80 | 10.0 | 337.8 | 2273 | 14.8 | 53 | 7.2 | 331.9 | 2290 | 13.8 | 49 | 6.3 | 328.0 | 2290 | 13.9 | 67 | 8.7 | 335.0 | 2275 | 775 |
| 800 | 14.5 | 83 | 10.9 | 338.7 | 2004 | 15.8 | 53 | 7.5 | 330.6 | 2021 | 14.8 | 57 | 7.6 | 329.8 | 2021 | 15.2 | 69 | 9.4 | 335.6 | 2006 | 800 |
| 825 | 14.6 | 81 | 10.3 | 334.3 | 1743 | 16.3 | 58 | 8.2 | 330.4 | 1759 | 16.2 | 55 | 7.8 | 329.1 | 1760 | 16.5 | 70 | 10.0 | 335.8 | 1744 | 825 |
| 850 | 16.5 | 79 | 11.1 | 335.8 | 1489 | 16.5 | 67 | 9.4 | 331.2 | 1504 | 17.7 | 52 | 7.9 | 328.2 | 1505 | 17.8 | 70 | 10.6 | 336.0 | 1488 | 850 |
| 875 | 18.6 | 78 | 12.1 | 338.2 | 1240 | 17.2 | 75 | 10.6 | 332.4 | 1257 | 18.5 | 59 | 9.0 | 329.6 | 1257 | 19.1 | 70 | 11.2 | 336.3 | 1239 | 875 |
| 900 | 20.1 | 77 | 12.7 | 339.0 | 997 | 18.9 | 78 | 12.0 | 335.4 | 1015 | 19.3 | 64 | 10.1 | 331.0 | 1014 | 20.3 | 70 | 11.8 | 336.7 | 996 | 900 |
| 925 | 21.2 | 76 | 13.1 | 338.8 | 759 | 20.5 | 81 | 13.4 | 338.6 | 778 | 20.1 | 70 | 11.3 | 332.4 | 778 | 21.4 | 71 | 12.4 | 337.0 | 758 | 925 |
| 950 | 22.5 | 80 | 14.7 | 341.9 | 527 | 22.1 | 84 | 14.9 | 342.1 | 546 | 21.1 | 75 | 12.6 | 334.6 | 547 | 22.6 | 72 | 13.2 | 338.0 | 526 | 950 |
| 975 | 23.8 | 86 | 16.6 | 346.2 | 300 | 23.9 | 85 | 16.6 | 346.2 | 319 | 23.9 | 79 | 15.3 | 342.7 | 320 | 24.3 | 72 | 14.3 | 340.5 | 298 | 975 |
| 1000 | 25.2 | 91 | 18.7 | 350.9 | 77 | 25.9 | 86 | 18.3 | 350.9 | 95 | 26.6 | 83 | 18.3 | 351.8 | 96 | 26.5 | 74 | 16.2 | 346.0 | 75 | 1000 |
| SFC. | 25.6 | 93 | 19.4 | 352.5 | 0 | 26.7 | 86 | 19.1 | 353.0 | 0 | 27.7 | 84 | 19.8 | 356.2 | 0 | 27.2 | 81 | 18.6 | 352.4 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.7 | SURFACE PRESSURE | | | | 1010.8 | SURFACE PRESSURE | | | | 1010.9 | SURFACE PRESSURE | | | | 1008.5 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/15 2 4 GMT T | RH | W | EPT | H | 3/15 335 GMT T | RH | W | EPT | H | 3/15 542 GMT T | RH | W | EPT | H | 3/15 738 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.2 | 0 | 0.0 | 462.6 | 19513 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.0 | 30 | .0 | 443.3 | 18579 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.0 | 30 | .0 | 406.0 | 17782 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -82.0 | 31 | .0 | 380.6 | 17121 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.3 | 31 | .0 | 370.7 | 16530 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.4 | 27 | .0 | 366.2 | 15995 | -78.4 | 31 | .0 | 366.1 | 15990 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.5 | 27 | .0 | 362.6 | 15495 | -75.8 | 30 | .0 | 362.0 | 15491 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.8 | 28 | .0 | 359.2 | 15028 | -73.4 | 30 | .0 | 358.1 | 15025 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 28 | .0 | 356.0 | 14591 | -70.6 | 30 | .0 | 355.4 | 14589 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 28 | .0 | 354.1 | 14178 | -67.4 | 30 | .0 | 354.0 | 14176 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.4 | 27 | .0 | 352.7 | 13787 | -64.4 | 30 | .0 | 352.6 | 13785 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.5 | 27 | .0 | 351.4 | 13413 | -61.6 | 29 | .0 | 351.3 | 13412 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.7 | 27 | .0 | 350.3 | 13057 | -58.9 | 29 | .0 | 350.0 | 13055 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -56.3 | 20 | .0 | 348.8 | 12697 | -56.0 | 27 | .0 | 349.3 | 12715 | -56.4 | 29 | .0 | 348.7 | 12714 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -53.7 | 19 | .0 | 347.8 | 12369 | -53.5 | 27 | .0 | 348.2 | 12387 | -53.9 | 29 | .0 | 347.6 | 12387 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -47.9 | 18 | .0 | 345.4 | 11602 | -47.7 | 26 | .1 | 345.7 | 11619 | -47.6 | 28 | .1 | 345.8 | 11620 | -46.8 | 16 | .0 | 347.0 | 11699 | 225 |
| 250 | -42.3 | 18 | .1 | 343.4 | 10899 | -42.2 | 26 | .1 | 343.8 | 10915 | -42.0 | 28 | .1 | 344.0 | 10915 | -41.1 | 16 | .1 | 345.3 | 10992 | 250 |
| 275 | -37.2 | 18 | .1 | 341.7 | 10247 | -36.8 | 25 | .1 | 342.5 | 10263 | -37.0 | 27 | .2 | 342.3 | 10263 | -35.7 | 16 | .1 | 343.9 | 10337 | 275 |
| 300 | -32.6 | 17 | .1 | 340.1 | 9640 | -31.9 | 25 | .2 | 341.3 | 9655 | -32.4 | 27 | .2 | 340.7 | 9655 | -30.9 | 16 | .2 | 342.5 | 9726 | 300 |
| 325 | -28.3 | 17 | .2 | 338.5 | 9071 | -27.4 | 24 | .3 | 340.1 | 9084 | -27.9 | 27 | .3 | 339.5 | 9085 | -26.4 | 16 | .2 | 341.3 | 9152 | 325 |
| 350 | -23.5 | 17 | .3 | 338.2 | 8535 | -23.2 | 24 | .4 | 339.0 | 8546 | -23.7 | 26 | .4 | 338.4 | 8549 | -22.2 | 16 | .3 | 340.0 | 8612 | 350 |
| 375 | -19.4 | 17 | .4 | 337.3 | 8026 | -19.3 | 23 | .5 | 338.0 | 8037 | -19.8 | 25 | .5 | 337.4 | 8041 | -18.3 | 16 | .4 | 338.9 | 8101 | 375 |
| 400 | -16.0 | 16 | .4 | 335.9 | 7543 | -15.7 | 23 | .6 | 337.0 | 7553 | -16.2 | 25 | .7 | 336.5 | 7558 | -14.7 | 16 | .5 | 337.8 | 7616 | 400 |
| 425 | -12.8 | 17 | .6 | 334.6 | 7084 | -12.6 | 27 | .9 | 336.3 | 7093 | -12.9 | 25 | .8 | 335.5 | 7099 | -11.9 | 16 | .6 | 336.0 | 7154 | 425 |
| 450 | -9.8 | 17 | .7 | 333.5 | 6645 | -10.2 | 25 | 1.0 | 333.9 | 6655 | -10.2 | 26 | 1.0 | 334.1 | 6660 | -9.2 | 17 | .7 | 334.3 | 6715 | 450 |
| 475 | -7.0 | 18 | .8 | 332.4 | 6226 | -7.2 | 25 | 1.2 | 333.3 | 6236 | -7.5 | 25 | 1.2 | 332.8 | 6242 | -6.7 | 25 | 1.2 | 333.9 | 6295 | 475 |
| 500 | -4.3 | 19 | 1.0 | 331.4 | 5824 | -4.3 | 25 | 1.4 | 332.7 | 5834 | -5.1 | 27 | 1.4 | 331.8 | 5841 | -4.0 | 28 | 1.6 | 333.7 | 5892 | 500 |
| 525 | -2.3 | 27 | 1.6 | 331.4 | 5438 | -4.1 | 65 | 3.5 | 335.1 | 5449 | -6.6 | 44 | 2.0 | 327.2 | 5459 | -4.2 | 44 | 2.3 | 331.3 | 5506 | 525 |
| 550 | -2.0 | 63 | 3.8 | 334.1 | 5068 | -2.8 | 96 | 5.5 | 338.2 | 5080 | -4.1 | 90 | 4.6 | 334.1 | 5092 | -2.1 | 83 | 5.0 | 337.6 | 5137 | 550 |
| 575 | -.7 | 86 | 5.4 | 336.4 | 4714 | -1.8 | 97 | 5.6 | 335.7 | 4726 | -1.9 | 94 | 5.5 | 335.0 | 4740 | .1 | 73 | 4.9 | 336.0 | 4782 | 575 |
| 600 | .5 | 75 | 5.0 | 332.5 | 4372 | -.4 | 88 | 5.5 | 332.9 | 4386 | 1.3 | 76 | 5.3 | 334.6 | 4398 | 2.8 | 58 | 4.5 | 333.9 | 4439 | 600 |
| 625 | 2.7 | 58 | 4.3 | 329.4 | 4043 | 2.6 | 52 | 3.8 | 327.7 | 4057 | 3.0 | 49 | 3.7 | 327.8 | 4068 | 5.3 | 43 | 3.9 | 331.1 | 4107 | 625 |
| 650 | 5.3 | 40 | 3.4 | 326.0 | 3724 | 5.5 | 35 | 3.1 | 325.2 | 3738 | 5.0 | 43 | 3.6 | 326.3 | 3749 | 7.7 | 36 | 3.6 | 329.5 | 3785 | 650 |
| 675 | 7.2 | 48 | 4.5 | 327.9 | 3414 | 7.4 | 52 | 5.0 | 329.6 | 3429 | 7.2 | 45 | 4.3 | 327.3 | 3440 | 9.9 | 38 | 4.3 | 330.6 | 3472 | 675 |
| 700 | 9.3 | 43 | 4.5 | 326.9 | 3114 | 9.4 | 46 | 4.9 | 328.3 | 3128 | 9.4 | 47 | 5.0 | 328.5 | 3139 | 11.7 | 47 | 5.7 | 333.5 | 3169 | 700 |
| 725 | 11.3 | 38 | 4.4 | 325.6 | 2822 | 11.4 | 41 | 4.7 | 326.9 | 2836 | 11.5 | 43 | 5.0 | 327.7 | 2847 | 13.3 | 42 | 5.6 | 331.8 | 2874 | 725 |
| 750 | 13.3 | 50 | 6.4 | 330.9 | 2538 | 13.3 | 35 | 4.5 | 325.2 | 2551 | 13.1 | 42 | 5.3 | 327.4 | 2563 | 14.3 | 55 | 7.5 | 335.2 | 2588 | 750 |
| 775 | 12.5 | 54 | 6.3 | 326.3 | 2261 | 14.7 | 56 | 7.7 | 333.0 | 2275 | 13.8 | 62 | 8.0 | 332.8 | 2286 | 15.3 | 67 | 9.4 | 338.8 | 2310 | 775 |
| 800 | 12.8 | 78 | 9.1 | 331.7 | 1995 | 15.8 | 78 | 11.1 | 341.2 | 2005 | 14.6 | 81 | 10.6 | 338.1 | 2018 | 16.3 | 78 | 11.4 | 342.4 | 2040 | 800 |
| 825 | 15.4 | 93 | 12.4 | 341.1 | 1734 | 16.6 | 82 | 11.9 | 341.2 | 1742 | 15.8 | 78 | 10.8 | 337.0 | 1756 | 17.6 | 77 | 11.9 | 342.5 | 1777 | 825 |
| 850 | 17.1 | 88 | 12.9 | 341.4 | 1479 | 17.5 | 83 | 12.3 | 340.4 | 1487 | 17.1 | 86 | 12.5 | 340.5 | 1501 | 19.1 | 73 | 12.0 | 341.5 | 1520 | 850 |
| 875 | 18.8 | 72 | 11.3 | 336.2 | 1231 | 19.0 | 70 | 11.2 | 336.2 | 1238 | 18.3 | 77 | 11.8 | 337.1 | 1252 | 20.6 | 73 | 12.9 | 343.0 | 1269 | 875 |
| 900 | 20.1 | 69 | 11.4 | 335.4 | 987 | 20.3 | 71 | 11.8 | 336.7 | 994 | 20.0 | 83 | 13.7 | 341.5 | 1009 | 22.2 | 73 | 13.8 | 344.5 | 1024 | 900 |
| 925 | 21.1 | 76 | 13.1 | 338.5 | 750 | 21.2 | 84 | 14.6 | 342.7 | 757 | 21.6 | 84 | 14.9 | 344.0 | 771 | 22.6 | 80 | 15.0 | 345.6 | 785 | 925 |
| 950 | 22.9 | 78 | 14.5 | 342.0 | 518 | 22.4 | 93 | 16.9 | 347.7 | 524 | 23.2 | 84 | 15.9 | 346.2 | 539 | 23.9 | 85 | 16.9 | 349.7 | 552 | 950 |
| 975 | 25.0 | 77 | 15.9 | 345.8 | 290 | 24.5 | 87 | 17.4 | 349.2 | 296 | 24.7 | 83 | 17.0 | 348.4 | 310 | 25.1 | 83 | 17.3 | 349.8 | 323 | 975 |
| 1000 | 27.0 | 76 | 17.4 | 349.8 | 66 | 26.5 | 81 | 17.9 | 350.4 | 73 | 26.2 | 83 | 18.1 | 350.7 | 87 | 26.4 | 80 | 17.6 | 349.5 | 99 | 1000 |
| SFC. | 27.6 | 76 | 17.8 | 351.0 | 0 | 27.1 | 79 | 18.0 | 350.7 | 0 | 26.8 | 83 | 18.5 | 351.7 | 0 | 26.9 | 79 | 17.7 | 349.4 | 0 | SFC. |
| | SURFACE PRESSURE 1007.4 | | | | | SURFACE PRESSURE 1008.2 | | | | | SURFACE PRESSURE 1009.8 | | | | | SURFACE PRESSURE 1011.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/15 931 GMT | | | | | 3/15 1150 GMT | | | | | 3/15 1439 GMT | | | | | 3/15 1650 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | -67.1 | 0 | 0.0 | 460.8 | 19509 | -67.0 | 0 | 0.0 | 461.0 | 19418 | -66.7 | 24 | .0 | 461.7 | 19493 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -67.7 | 20 | .0 | 439.6 | 18577 | -70.6 | 0 | 0.0 | 433.5 | 18495 | -69.3 | 25 | .0 | 436.3 | 18567 | -66.9 | 20 | .0 | 441.4 | 18572 | 70 |
| 80 | -76.3 | 21 | .0 | 405.5 | 17785 | -75.0 | 0 | 0.0 | 408.1 | 17706 | -71.5 | 25 | .0 | 415.3 | 17774 | -69.8 | 21 | .0 | 418.8 | 17770 | 80 |
| 90 | -80.9 | 22 | .0 | 382.7 | 17117 | -80.8 | 0 | 0.0 | 383.0 | 17038 | -79.6 | 26 | .0 | 385.3 | 17095 | -79.4 | 21 | .0 | 385.8 | 17088 | 90 |
| 100 | -82.0 | 22 | .0 | 369.2 | 16527 | -81.3 | 0 | 0.0 | 370.7 | 16446 | -81.5 | 26 | .0 | 370.3 | 16500 | -80.2 | 22 | .0 | 372.8 | 16489 | 100 |
| 110 | -80.1 | 22 | .0 | 363.0 | 15992 | -79.6 | 0 | 0.0 | 363.9 | 15908 | -80.2 | 26 | .0 | 362.8 | 15964 | -79.4 | 23 | .0 | 364.4 | 15950 | 110 |
| 120 | -76.2 | 21 | .0 | 361.2 | 15495 | -77.8 | 0 | 0.0 | 358.3 | 15412 | -77.2 | 26 | .0 | 359.4 | 15468 | -76.7 | 23 | .0 | 360.3 | 15453 | 120 |
| 130 | -72.6 | 21 | .0 | 359.5 | 15029 | -75.3 | 0 | 0.0 | 354.7 | 14951 | -74.2 | 26 | .0 | 356.5 | 15005 | -73.8 | 22 | .0 | 357.3 | 14989 | 130 |
| 140 | -69.4 | 21 | .0 | 357.5 | 14590 | -73.0 | 0 | 0.0 | 351.3 | 14519 | -71.2 | 25 | .0 | 354.4 | 14571 | -71.1 | 22 | .0 | 354.6 | 14554 | 140 |
| 150 | -66.5 | 21 | .0 | 355.6 | 14175 | -70.8 | 0 | 0.0 | 348.1 | 14113 | -68.2 | 25 | .0 | 352.7 | 14160 | -67.8 | 22 | .0 | 353.3 | 14142 | 150 |
| 160 | -63.8 | 20 | .0 | 353.7 | 13782 | -67.6 | 0 | 0.0 | 347.2 | 13728 | -65.0 | 25 | .0 | 351.6 | 13769 | -64.5 | 21 | .0 | 352.4 | 13751 | 160 |
| 170 | -61.2 | 20 | .0 | 351.8 | 13408 | -64.3 | 0 | 0.0 | 346.7 | 13360 | -62.0 | 24 | .0 | 350.5 | 13397 | -61.4 | 21 | .0 | 351.5 | 13378 | 170 |
| 180 | -58.8 | 20 | .0 | 350.1 | 13052 | -61.2 | 0 | 0.0 | 346.1 | 13008 | -59.2 | 24 | .0 | 349.5 | 13041 | -58.5 | 20 | .0 | 350.6 | 13021 | 180 |
| 190 | -56.5 | 20 | .0 | 348.4 | 12710 | -58.3 | 0 | 0.0 | 345.5 | 12670 | -56.6 | 24 | .0 | 348.4 | 12700 | -55.9 | 20 | .0 | 349.5 | 12679 | 190 |
| 200 | -54.0 | 20 | .0 | 347.3 | 12383 | -55.5 | 0 | 0.0 | 344.9 | 12345 | -54.0 | 23 | .0 | 347.4 | 12373 | -53.4 | 20 | .0 | 348.3 | 12351 | 200 |
| 225 | -48.1 | 19 | .0 | 345.0 | 11617 | -49.1 | 0 | 0.0 | 343.3 | 11583 | -48.2 | 23 | .0 | 344.8 | 11607 | -47.9 | 19 | .0 | 345.3 | 11583 | 225 |
| 250 | -42.8 | 18 | .1 | 342.8 | 10914 | -43.4 | 0 | 0.0 | 341.6 | 10883 | -43.1 | 22 | .1 | 342.4 | 10905 | -43.2 | 19 | .1 | 342.2 | 10881 | 250 |
| 275 | -37.9 | 18 | .1 | 340.7 | 10265 | -38.3 | 18 | .1 | 340.2 | 10234 | -37.7 | 22 | .1 | 341.2 | 10256 | -38.0 | 19 | .1 | 340.6 | 10232 | 275 |
| 300 | -33.1 | 18 | .1 | 339.3 | 9659 | -33.7 | 18 | .1 | 338.4 | 9630 | -32.5 | 21 | .2 | 340.3 | 9649 | -33.1 | 19 | .1 | 339.4 | 9627 | 300 |
| 325 | -28.3 | 17 | .2 | 338.5 | 9091 | -29.5 | 17 | .2 | 336.8 | 9064 | -27.8 | 21 | .3 | 339.4 | 9080 | -28.6 | 19 | .2 | 338.2 | 9058 | 325 |
| 350 | -23.9 | 17 | .3 | 337.6 | 8555 | -25.5 | 17 | .2 | 335.3 | 8530 | -23.4 | 21 | .3 | 338.5 | 8542 | -24.4 | 18 | .3 | 337.0 | 8523 | 350 |
| 375 | -19.8 | 17 | .4 | 336.8 | 8047 | -20.9 | 17 | .3 | 335.2 | 8025 | -19.4 | 20 | .5 | 337.7 | 8033 | -20.5 | 18 | .4 | 335.9 | 8016 | 375 |
| 400 | -16.0 | 16 | .4 | 336.0 | 7564 | -16.6 | 17 | .4 | 335.1 | 7544 | -15.5 | 20 | .6 | 337.0 | 7550 | -16.8 | 18 | .5 | 334.9 | 7535 | 400 |
| 425 | -12.4 | 16 | .6 | 335.1 | 7104 | -12.6 | 16 | .5 | 334.9 | 7085 | -12.2 | 20 | .7 | 335.9 | 7089 | -13.4 | 18 | .6 | 334.0 | 7077 | 425 |
| 450 | -10.5 | 17 | .6 | 332.5 | 6666 | -10.3 | 17 | .7 | 332.7 | 6647 | -9.9 | 21 | .8 | 333.9 | 6650 | -11.8 | 28 | 1.0 | 331.9 | 6640 | 450 |
| 475 | -8.6 | 18 | .7 | 330.1 | 6249 | -8.5 | 18 | .8 | 330.3 | 6229 | -8.3 | 90 | 3.9 | 340.7 | 6232 | -11.3 | 78 | 2.6 | 332.9 | 6226 | 475 |
| 500 | -5.9 | 24 | 1.2 | 330.0 | 5849 | -6.7 | 20 | .9 | 328.2 | 5830 | -6.0 | 29 | 1.4 | 330.7 | 5831 | -8.0 | 90 | 3.8 | 335.8 | 5829 | 500 |
| 525 | -4.9 | 54 | 2.7 | 331.7 | 5466 | -5.0 | 21 | 1.0 | 326.1 | 5448 | -4.1 | 39 | 2.1 | 330.7 | 5448 | -5.6 | 34 | 1.6 | 327.3 | 5448 | 525 |
| 550 | -2.7 | 74 | 4.2 | 334.5 | 5098 | -3.7 | 65 | 3.4 | 331.0 | 5081 | -2.6 | 35 | 2.0 | 327.8 | 5080 | -3.3 | 27 | 1.5 | 325.2 | 5082 | 550 |
| 575 | -2.3 | 90 | 5.0 | 333.2 | 4745 | -1.8 | 85 | 5.0 | 333.6 | 4728 | -1.2 | 48 | 2.9 | 328.2 | 4726 | -1.0 | 39 | 2.4 | 326.9 | 4728 | 575 |
| 600 | .7 | 71 | 4.8 | 332.1 | 4404 | .5 | 73 | 4.8 | 332.0 | 4388 | .2 | 68 | 4.4 | 330.4 | 4386 | .3 | 65 | 4.2 | 330.0 | 4388 | 600 |
| 625 | 2.9 | 51 | 3.9 | 328.3 | 4075 | 2.7 | 61 | 4.6 | 330.1 | 4059 | 2.8 | 66 | 4.9 | 331.3 | 4057 | 2.4 | 56 | 4.0 | 328.1 | 4059 | 625 |
| 650 | 5.0 | 39 | 3.3 | 325.2 | 3756 | 4.9 | 50 | 4.2 | 327.7 | 3740 | 5.2 | 49 | 4.2 | 328.1 | 3737 | 4.4 | 47 | 3.8 | 326.0 | 3741 | 650 |
| 675 | 6.8 | 46 | 4.2 | 326.4 | 3447 | 6.9 | 44 | 4.1 | 326.2 | 3430 | 7.2 | 46 | 4.3 | 327.3 | 3428 | 6.3 | 41 | 3.6 | 324.2 | 3432 | 675 |
| 700 | 8.4 | 52 | 5.2 | 327.9 | 3147 | 8.7 | 47 | 4.7 | 326.9 | 3130 | 9.0 | 49 | 5.1 | 328.4 | 3127 | 8.1 | 46 | 4.4 | 325.3 | 3133 | 700 |
| 725 | 10.1 | 55 | 5.9 | 328.7 | 2856 | 10.4 | 50 | 5.5 | 327.8 | 2839 | 10.8 | 53 | 5.9 | 329.7 | 2836 | 9.5 | 55 | 5.6 | 327.2 | 2842 | 725 |
| 750 | 11.9 | 52 | 6.1 | 328.2 | 2572 | 12.1 | 53 | 6.2 | 328.8 | 2556 | 12.4 | 60 | 7.2 | 332.0 | 2552 | 11.0 | 78 | 8.6 | 334.5 | 2560 | 750 |
| 775 | 13.1 | 67 | 8.2 | 332.6 | 2297 | 13.5 | 63 | 8.0 | 332.3 | 2280 | 13.4 | 81 | 10.2 | 338.4 | 2276 | 12.5 | 86 | 10.2 | 337.6 | 2284 | 775 |
| 800 | 14.2 | 83 | 10.7 | 337.9 | 2029 | 14.8 | 75 | 9.9 | 336.3 | 2011 | 14.4 | 88 | 11.5 | 340.3 | 2007 | 14.0 | 87 | 10.9 | 338.2 | 2016 | 800 |
| 825 | 15.4 | 95 | 12.8 | 342.3 | 1767 | 16.0 | 85 | 11.9 | 340.5 | 1750 | 15.4 | 95 | 12.9 | 342.3 | 1745 | 15.3 | 87 | 11.6 | 338.8 | 1755 | 825 |
| 850 | 16.9 | 96 | 13.9 | 344.0 | 1512 | 17.2 | 90 | 13.2 | 342.5 | 1494 | 16.9 | 88 | 12.6 | 340.5 | 1491 | 16.7 | 87 | 12.3 | 339.4 | 1501 | 850 |
| 875 | 18.4 | 97 | 14.9 | 345.8 | 1263 | 18.3 | 91 | 14.0 | 343.1 | 1245 | 18.3 | 80 | 12.2 | 338.1 | 1242 | 18.0 | 88 | 13.1 | 340.1 | 1252 | 875 |
| 900 | 19.7 | 97 | 15.7 | 346.9 | 1020 | 19.4 | 92 | 14.7 | 343.7 | 1002 | 19.7 | 84 | 13.7 | 341.2 | 999 | 19.2 | 88 | 13.8 | 340.9 | 1009 | 900 |
| 925 | 21.0 | 96 | 16.6 | 347.9 | 782 | 20.5 | 94 | 15.5 | 344.3 | 765 | 21.3 | 89 | 15.5 | 345.4 | 761 | 20.2 | 90 | 14.7 | 341.7 | 772 | 925 |
| 950 | 22.4 | 96 | 17.4 | 349.1 | 550 | 21.5 | 95 | 16.3 | 345.1 | 533 | 23.0 | 86 | 16.2 | 346.8 | 529 | 21.3 | 93 | 15.9 | 343.6 | 541 | 950 |
| 975 | 24.4 | 90 | 18.1 | 351.1 | 322 | 23.5 | 92 | 17.5 | 348.1 | 306 | 24.6 | 84 | 17.0 | 348.2 | 300 | 23.4 | 92 | 17.3 | 347.4 | 314 | 975 |
| 1000 | 26.0 | 87 | 18.8 | 352.3 | 98 | 25.5 | 89 | 18.7 | 351.4 | 83 | 25.9 | 84 | 17.9 | 349.8 | 77 | 25.5 | 90 | 18.7 | 351.4 | 91 | 1000 |
| SFC. | 26.3 | 88 | 19.1 | 352.3 | 0 | 26.3 | 88 | 19.1 | 352.6 | 0 | 26.2 | 85 | 18.4 | 350.4 | 0 | 26.3 | 89 | 19.3 | 353.1 | 0 | SFC. |
| | SURFACE PRESSURE 1011.1 | | | | | SURFACE PRESSURE 1009.4 | | | | | SURFACE PRESSURE 1008.7 | | | | | SURFACE PRESSURE 1010.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/15 1918 GMT T | RH | W | EPT | H | 3/15 23 0 GMT T | RH | W | EPT | H | 3/16 237 GMT T | RH | W | EPT | H | 3/16 619 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.7 | 0 | 0.0 | 461.6 | 19640 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.8 | 0 | 0.0 | 459.2 | 19506 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.9 | 0 | 0.0 | 441.4 | 18711 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.6 | 29 | .0 | 435.7 | 18584 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.2 | 0 | 0.0 | 420.0 | 17904 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.0 | 30 | .0 | 422.5 | 17784 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.7 | 0 | 0.0 | 385.2 | 17230 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 30 | .0 | 394.6 | 17084 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.4 | 0 | 0.0 | 374.4 | 16632 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.4 | 30 | .0 | 370.4 | 16490 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.2 | 0 | 0.0 | 368.4 | 16089 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.5 | 30 | .0 | 364.1 | 15953 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.4 | 0 | 0.0 | 364.4 | 15587 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.2 | 30 | .0 | 359.3 | 15456 | 120 |
| 130 | -73.0 | 17 | .0 | 358.7 | 15089 | -71.9 | 0 | 0.0 | 360.8 | 15118 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 30 | .0 | 355.0 | 14994 | 130 |
| 140 | -69.7 | 17 | .0 | 357.1 | 14651 | -69.5 | 0 | 0.0 | 357.4 | 14678 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.1 | 30 | .0 | 352.9 | 14561 | 140 |
| 150 | -66.6 | 17 | .0 | 355.4 | 14236 | -67.3 | 0 | 0.0 | 354.2 | 14265 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.2 | 30 | .0 | 351.0 | 14152 | 150 |
| 160 | -63.7 | 17 | .0 | 353.9 | 13843 | -63.9 | 0 | 0.0 | 353.5 | 13872 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.1 | 30 | .0 | 349.7 | 13764 | 160 |
| 170 | -60.2 | 17 | .0 | 353.6 | 13468 | -60.6 | 0 | 0.0 | 352.8 | 13498 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.9 | 30 | .0 | 349.1 | 13394 | 170 |
| 180 | -56.9 | 17 | .0 | 353.3 | 13109 | -57.6 | 0 | 0.0 | 352.1 | 13139 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.8 | 30 | .0 | 348.5 | 13039 | 180 |
| 190 | -54.7 | 17 | .0 | 351.3 | 12765 | -54.7 | 0 | 0.0 | 351.3 | 12796 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.9 | 30 | .0 | 347.8 | 12699 | 190 |
| 200 | -52.7 | 16 | .0 | 349.5 | 12435 | -51.9 | 0 | 0.0 | 350.6 | 12466 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.2 | 30 | .0 | 347.2 | 12372 | 200 |
| 225 | -46.8 | 16 | .0 | 347.0 | 11665 | -45.6 | 0 | 0.0 | 348.6 | 11692 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.0 | 34 | .1 | 345.2 | 11606 | 225 |
| 250 | -41.2 | 15 | .1 | 345.1 | 10958 | -40.0 | 19 | .1 | 347.0 | 10981 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.2 | 50 | .2 | 342.6 | 10904 | 250 |
| 275 | -36.2 | 15 | .1 | 343.2 | 10303 | -34.8 | 18 | .1 | 345.3 | 10323 | 0.0 | 0 | 0.0 | 0.0 | 0 | -37.8 | 54 | .3 | 341.6 | 10255 | 275 |
| 300 | -31.6 | 15 | .1 | 341.5 | 9694 | -30.1 | 17 | .2 | 343.7 | 9710 | 0.0 | 0 | 0.0 | 0.0 | 0 | -33.5 | 61 | .5 | 340.0 | 9649 | 300 |
| 325 | -27.1 | 15 | .2 | 340.1 | 9122 | -25.8 | 17 | .2 | 342.1 | 9135 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.8 | 17 | .2 | 337.7 | 9082 | 325 |
| 350 | -23.1 | 14 | .2 | 338.7 | 8584 | -21.8 | 16 | .3 | 340.6 | 8593 | 0.0 | 0 | 0.0 | 0.0 | 0 | -24.7 | 16 | .2 | 336.5 | 8547 | 350 |
| 375 | -19.3 | 14 | .3 | 337.4 | 8075 | -18.1 | 15 | .4 | 339.2 | 8082 | 0.0 | 0 | 0.0 | 0.0 | 0 | -20.8 | 15 | .3 | 335.3 | 8041 | 375 |
| 400 | -15.7 | 14 | .4 | 336.1 | 7591 | -14.6 | 15 | .5 | 337.8 | 7596 | 0.0 | 0 | 0.0 | 0.0 | 0 | -17.2 | 15 | .4 | 334.1 | 7560 | 400 |
| 425 | -12.4 | 13 | .5 | 334.8 | 7131 | -11.3 | 14 | .5 | 336.5 | 7134 | 0.0 | 0 | 0.0 | 0.0 | 0 | -13.8 | 14 | .4 | 333.0 | 7103 | 425 |
| 450 | -10.1 | 33 | 1.3 | 335.3 | 6692 | -10.3 | 42 | 1.6 | 336.1 | 6694 | 0.0 | 0 | 0.0 | 0.0 | 0 | -12.0 | 35 | 1.2 | 332.4 | 6667 | 450 |
| 475 | -8.8 | 65 | 2.7 | 336.3 | 6274 | -7.3 | 35 | 1.6 | 334.7 | 6276 | -8.6 | 27 | 1.1 | 331.4 | 6238 | -9.6 | 41 | 1.6 | 331.7 | 6251 | 475 |
| 500 | -6.5 | 50 | 2.4 | 333.2 | 5875 | -4.5 | 29 | 1.6 | 333.1 | 5874 | -5.8 | 23 | 1.1 | 330.0 | 5838 | -6.5 | 44 | 2.1 | 332.2 | 5853 | 500 |
| 525 | -3.5 | 22 | 1.2 | 328.6 | 5491 | -1.8 | 23 | 1.4 | 331.3 | 5488 | -3.1 | 35 | 2.0 | 331.7 | 5454 | -3.9 | 37 | 2.0 | 330.6 | 5469 | 525 |
| 550 | -1.3 | 22 | 1.4 | 327.3 | 5122 | .6 | 19 | 1.4 | 329.6 | 5116 | -1.2 | 18 | 1.2 | 326.8 | 5084 | -1.5 | 30 | 1.9 | 328.8 | 5100 | 550 |
| 575 | .8 | 21 | 1.5 | 326.0 | 4767 | 2.3 | 24 | 1.8 | 329.1 | 4758 | .3 | 21 | 1.4 | 325.3 | 4729 | -.1 | 34 | 2.2 | 327.5 | 4745 | 575 |
| 600 | 2.5 | 32 | 2.4 | 327.0 | 4424 | 3.9 | 36 | 3.0 | 330.5 | 4413 | 1.7 | 33 | 2.4 | 326.0 | 4387 | 1.0 | 50 | 3.4 | 328.4 | 4404 | 600 |
| 625 | 3.9 | 48 | 3.9 | 329.5 | 4093 | 5.5 | 35 | 3.1 | 329.0 | 4081 | 3.9 | 30 | 2.4 | 324.8 | 4056 | 2.8 | 49 | 3.7 | 327.5 | 4074 | 625 |
| 650 | 5.6 | 47 | 4.1 | 328.5 | 3773 | 7.4 | 23 | 2.3 | 325.0 | 3759 | 6.1 | 25 | 2.3 | 323.3 | 3737 | 5.2 | 41 | 3.5 | 326.1 | 3755 | 650 |
| 675 | 7.5 | 54 | 5.2 | 330.6 | 3463 | 9.2 | 27 | 2.9 | 325.4 | 3448 | 8.2 | 21 | 2.1 | 321.6 | 3426 | 7.5 | 46 | 4.4 | 328.0 | 3446 | 675 |
| 700 | 9.8 | 44 | 4.8 | 328.4 | 3162 | 11.0 | 30 | 3.5 | 326.0 | 3145 | 9.6 | 31 | 3.4 | 323.9 | 3126 | 9.5 | 43 | 4.6 | 327.5 | 3145 | 700 |
| 725 | 11.5 | 51 | 5.9 | 330.4 | 2869 | 12.0 | 40 | 4.9 | 328.0 | 2852 | 11.5 | 32 | 3.8 | 324.2 | 2833 | 11.0 | 54 | 6.2 | 330.6 | 2853 | 725 |
| 750 | 13.0 | 58 | 7.2 | 332.9 | 2585 | 12.8 | 52 | 6.4 | 330.1 | 2568 | 13.1 | 37 | 4.6 | 325.2 | 2549 | 12.6 | 64 | 7.8 | 334.0 | 2568 | 750 |
| 775 | 14.3 | 66 | 8.8 | 335.8 | 2308 | 15.3 | 39 | 5.6 | 327.5 | 2291 | 14.5 | 36 | 4.8 | 324.3 | 2273 | 14.3 | 59 | 7.8 | 332.9 | 2292 | 775 |
| 800 | 15.5 | 73 | 10.1 | 337.7 | 2038 | 16.2 | 50 | 7.3 | 330.5 | 2021 | 15.8 | 38 | 5.4 | 324.6 | 2004 | 15.2 | 58 | 7.9 | 331.3 | 2023 | 800 |
| 825 | 16.6 | 78 | 11.3 | 339.5 | 1776 | 17.0 | 62 | 9.1 | 333.7 | 1759 | 16.7 | 36 | 5.2 | 322.4 | 1742 | 15.8 | 75 | 10.4 | 335.8 | 1761 | 825 |
| 850 | 17.9 | 78 | 12.0 | 340.0 | 1520 | 17.7 | 73 | 11.0 | 336.9 | 1503 | 17.9 | 52 | 7.9 | 328.5 | 1488 | 17.1 | 81 | 11.7 | 338.3 | 1506 | 850 |
| 875 | 19.1 | 79 | 12.7 | 340.5 | 1271 | 19.3 | 71 | 11.5 | 337.6 | 1254 | 19.0 | 52 | 8.2 | 327.7 | 1239 | 18.4 | 85 | 13.2 | 341.0 | 1258 | 875 |
| 900 | 20.3 | 79 | 13.4 | 341.0 | 1028 | 20.9 | 68 | 11.9 | 337.8 | 1010 | 20.1 | 51 | 8.4 | 327.0 | 996 | 20.1 | 87 | 14.5 | 344.0 | 1014 | 900 |
| 925 | 21.5 | 80 | 14.0 | 341.6 | 790 | 22.5 | 66 | 12.3 | 337.9 | 772 | 21.5 | 51 | 9.0 | 327.8 | 759 | 21.9 | 88 | 15.9 | 347.2 | 776 | 925 |
| 950 | 22.7 | 80 | 14.7 | 342.3 | 557 | 24.0 | 63 | 12.6 | 338.0 | 539 | 23.0 | 52 | 9.8 | 329.0 | 527 | 22.0 | 94 | 16.7 | 346.8 | 544 | 950 |
| 975 | 24.6 | 75 | 15.0 | 342.8 | 329 | 25.5 | 60 | 12.8 | 338.0 | 310 | 24.5 | 53 | 10.5 | 330.3 | 300 | 24.1 | 87 | 17.1 | 347.9 | 316 | 975 |
| 1000 | 26.3 | 74 | 16.2 | 345.7 | 106 | 26.9 | 71 | 16.1 | 346.1 | 87 | 26.4 | 66 | 14.4 | 340.8 | 77 | 26.1 | 79 | 17.2 | 348.2 | 93 | 1000 |
| SFC. | 27.1 | 79 | 17.9 | 350.1 | 0 | 27.3 | 80 | 18.4 | 352.0 | 0 | 27.3 | 80 | 18.4 | 352.1 | 0 | 26.9 | 81 | 18.2 | 350.7 | 0 | SFC. |
| | SURFACE PRESSURE 1012.0 | | | | | SURFACE PPESSURE 1009.8 | | | | | SURFACE PRESSURE 1008.7 | | | | | SURFACE PRESSURE 1010.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/16 935 GMT T | RH | W | EPT | H | 3/16 1146 GMT T | RH | W | EPT | H | 3/16 1525 GMT T | RH | W | EPT | H | 3/16 1835 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.7 | 0 | 0.0 | 408.7 | 17743 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.0 | 0 | 0.0 | 384.6 | 17067 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.0 | 0 | 0.0 | 371.2 | 16472 | -80.2 | 17 | .0 | 372.8 | 16510 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.3 | 0 | 0.0 | 364.4 | 15933 | -80.0 | 18 | .0 | 363.1 | 15971 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.8 | 0 | 0.0 | 358.3 | 15438 | -76.8 | 18 | .0 | 360.1 | 15475 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 0 | 0.0 | 356.5 | 14976 | -73.5 | 18 | .0 | 357.9 | 15011 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.0 | 0 | 0.0 | 354.7 | 14540 | -70.4 | 17 | .0 | 355.7 | 14574 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.0 | 0 | 0.0 | 353.0 | 14129 | -67.7 | 16 | .0 | 353.5 | 14162 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.2 | 0 | 0.0 | 351.3 | 13739 | -65.1 | 16 | .0 | 351.4 | 13771 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.3 | 0 | 0.0 | 350.0 | 13367 | -62.4 | 15 | .0 | 349.9 | 13400 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.4 | 0 | 0.0 | 349.0 | 13011 | -59.2 | 16 | .0 | 349.4 | 13044 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.7 | 0 | 0.0 | 348.0 | 12671 | -56.2 | 16 | .0 | 348.9 | 12703 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -54.1 | 0 | 0.0 | 347.1 | 12344 | -53.4 | 16 | .0 | 348.4 | 12375 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -47.2 | 20 | .0 | 346.4 | 11619 | -48.2 | 0 | 0.0 | 344.6 | 11578 | -47.2 | 17 | .0 | 346.3 | 11606 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -42.1 | 27 | .1 | 343.9 | 10914 | -42.9 | 0 | 0.0 | 342.3 | 10876 | -42.4 | 16 | .1 | 343.4 | 10902 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -37.1 | 45 | .3 | 342.5 | 10263 | -38.1 | 26 | .1 | 340.6 | 10227 | -37.0 | 16 | .1 | 342.0 | 10250 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -33.1 | 52 | .4 | 340.3 | 9656 | -33.7 | 48 | .4 | 339.3 | 9622 | -32.1 | 15 | .1 | 340.7 | 9642 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -28.7 | 16 | .2 | 337.8 | 9088 | -29.7 | 14 | .1 | 336.3 | 9056 | -28.6 | 25 | .3 | 338.4 | 9073 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -24.8 | 15 | .2 | 336.2 | 8553 | -25.8 | 14 | .2 | 334.7 | 8524 | -24.8 | 15 | .2 | 336.2 | 8538 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -21.2 | 14 | .3 | 334.6 | 8048 | -22.2 | 13 | .2 | 333.1 | 8020 | -21.9 | 15 | .3 | 333.6 | 8033 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -17.8 | 13 | .3 | 333.1 | 7568 | -18.8 | 13 | .3 | 331.7 | 7543 | -17.9 | 14 | .3 | 333.0 | 7554 | 0.0 | 0 | 0.0 | 0.0 | 0 | 400 |
| 425 | -14.5 | 15 | .4 | 332.0 | 7112 | -14.7 | 15 | .4 | 331.8 | 7087 | -14.1 | 17 | .5 | 332.8 | 7098 | 0.0 | 0 | 0.0 | 0.0 | 0 | 425 |
| 450 | -11.7 | 22 | .8 | 331.4 | 6676 | -11.4 | 19 | .7 | 331.5 | 6651 | -11.4 | 23 | .8 | 331.9 | 6662 | 0.0 | 0 | 0.0 | 0.0 | 0 | 450 |
| 475 | -9.6 | 34 | 1.3 | 330.8 | 6260 | -9.4 | 27 | 1.1 | 330.1 | 6235 | -9.2 | 36 | 1.4 | 331.6 | 6245 | 0.0 | 0 | 0.0 | 0.0 | 0 | 475 |
| 500 | -6.9 | 28 | 1.3 | 329.1 | 5862 | -7.2 | 29 | 1.3 | 328.7 | 5837 | -6.7 | 31 | 1.4 | 329.9 | 5846 | 0.0 | 0 | 0.0 | 0.0 | 0 | 500 |
| 525 | -4.4 | 22 | 1.1 | 327.2 | 5480 | -4.9 | 27 | 1.3 | 327.2 | 5455 | -4.5 | 28 | 1.5 | 328.1 | 5464 | 0.0 | 0 | 0.0 | 0.0 | 0 | 525 |
| 550 | -2.2 | 24 | 1.4 | 326.4 | 5112 | -2.7 | 25 | 1.4 | 325.8 | 5088 | -2.1 | 38 | 2.3 | 329.3 | 5096 | 0.0 | 0 | 0.0 | 0.0 | 0 | 550 |
| 575 | -1.3 | 72 | 4.4 | 332.6 | 4758 | -.6 | 30 | 1.9 | 325.8 | 4734 | -1.3 | 88 | 5.3 | 335.5 | 4742 | 0.0 | 0 | 0.0 | 0.0 | 0 | 575 |
| 600 | 1.2 | 31 | 2.1 | 324.7 | 4417 | 1.0 | 64 | 4.4 | 331.4 | 4393 | 1.2 | 79 | 5.5 | 335.0 | 4400 | 0.0 | 0 | 0.0 | 0.0 | 0 | 600 |
| 625 | 3.1 | 34 | 2.6 | 324.5 | 4087 | 2.9 | 38 | 2.9 | 325.1 | 4063 | 3.3 | 48 | 3.7 | 328.2 | 4070 | 0.0 | 0 | 0.0 | 0.0 | 0 | 625 |
| 650 | 5.4 | 29 | 2.5 | 323.3 | 3768 | 4.7 | 30 | 2.5 | 322.4 | 3745 | 5.4 | 29 | 2.5 | 323.3 | 3751 | 0.0 | 0 | 0.0 | 0.0 | 0 | 650 |
| 675 | 7.3 | 42 | 4.0 | 326.7 | 3459 | 6.1 | 49 | 4.3 | 326.0 | 3436 | 6.7 | 57 | 5.2 | 329.5 | 3441 | 6.6 | 39 | 3.5 | 324.2 | 3451 | 675 |
| 700 | 9.1 | 44 | 4.5 | 326.9 | 3158 | 7.6 | 65 | 6.1 | 329.6 | 3137 | 7.9 | 70 | 6.7 | 331.7 | 3141 | 7.8 | 57 | 5.4 | 327.9 | 3151 | 700 |
| 725 | 10.4 | 55 | 6.0 | 329.5 | 2867 | 9.2 | 72 | 7.3 | 331.6 | 2846 | 9.4 | 92 | 9.4 | 338.1 | 2850 | 9.9 | 62 | 6.5 | 330.2 | 2860 | 725 |
| 750 | 11.6 | 68 | 7.8 | 332.7 | 2583 | 10.8 | 79 | 8.5 | 333.8 | 2564 | 11.4 | 89 | 10.1 | 339.0 | 2567 | 11.5 | 63 | 7.2 | 331.0 | 2577 | 750 |
| 775 | 12.8 | 80 | 9.6 | 336.2 | 2308 | 12.3 | 85 | 9.9 | 336.3 | 2289 | 13.3 | 86 | 10.7 | 339.9 | 2291 | 12.6 | 65 | 7.6 | 330.3 | 2302 | 775 |
| 800 | 13.9 | 91 | 11.5 | 339.8 | 2040 | 13.8 | 91 | 11.3 | 339.1 | 2021 | 15.1 | 83 | 11.3 | 340.7 | 2022 | 13.6 | 80 | 9.8 | 334.7 | 2035 | 800 |
| 825 | 15.5 | 94 | 12.7 | 341.9 | 1778 | 15.2 | 97 | 12.9 | 342.0 | 1760 | 16.6 | 84 | 12.2 | 341.9 | 1760 | 15.0 | 85 | 11.1 | 336.7 | 1774 | 825 |
| 850 | 17.1 | 93 | 13.5 | 343.2 | 1523 | 16.2 | 96 | 13.3 | 341.5 | 1505 | 17.8 | 86 | 13.2 | 343.2 | 1504 | 16.5 | 83 | 11.6 | 337.1 | 1520 | 850 |
| 875 | 18.7 | 91 | 14.3 | 344.5 | 1274 | 17.6 | 96 | 14.1 | 342.4 | 1257 | 19.0 | 89 | 14.2 | 344.7 | 1255 | 18.1 | 81 | 12.1 | 337.6 | 1271 | 875 |
| 900 | 20.3 | 90 | 15.1 | 345.8 | 1030 | 19.1 | 96 | 15.1 | 344.2 | 1015 | 20.2 | 92 | 15.3 | 346.3 | 1011 | 19.5 | 79 | 12.6 | 338.0 | 1029 | 900 |
| 925 | 21.8 | 88 | 15.9 | 347.2 | 792 | 20.6 | 96 | 16.1 | 346.1 | 777 | 21.3 | 94 | 16.4 | 347.9 | 773 | 21.1 | 77 | 13.2 | 339.0 | 792 | 925 |
| 950 | 23.3 | 87 | 16.7 | 348.5 | 559 | 22.1 | 96 | 17.1 | 348.1 | 545 | 22.4 | 97 | 17.6 | 349.7 | 540 | 23.1 | 79 | 15.0 | 343.7 | 559 | 950 |
| 975 | 24.7 | 86 | 17.5 | 349.9 | 330 | 23.6 | 95 | 18.1 | 349.9 | 317 | 24.0 | 93 | 18.1 | 350.4 | 312 | 24.4 | 84 | 16.8 | 347.5 | 331 | 975 |
| 1000 | 26.1 | 85 | 18.3 | 351.3 | 107 | 25.5 | 88 | 18.4 | 350.4 | 94 | 25.6 | 87 | 18.4 | 350.6 | 89 | 25.6 | 89 | 18.7 | 351.5 | 107 | 1000 |
| SFC. | 26.8 | 84 | 18.7 | 351.9 | 0 | 26.3 | 85 | 18.4 | 350.6 | 0 | 26.3 | 85 | 18.4 | 350.7 | 0 | 26.2 | 91 | 19.6 | 353.5 | 0 | SFC. |
| | SURFACE PRESSURE 1012.1 | | | | | SURFACE PRESSURE 1010.7 | | | | | SURFACE PRESSURE 1010.1 | | | | | SURFACE PRESSURE 1012.2 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/16 2139 GMT T | RH | W | EPT | H | 3/16 2325 GMT T | RH | W | EPT | H | 3/17 3 9 GMT T | RH | W | EPT | H | 3/17 645 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.4 | 0 | 0.0 | 460.1 | 19578 | -64.8 | 0 | 0.0 | 466.0 | 19517 | -66.2 | 0 | 0.0 | 462.6 | 19536 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 0 | 0.0 | 431.2 | 18662 | -70.9 | 24 | .0 | 432.9 | 18594 | -72.3 | 22 | .0 | 429.7 | 18615 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 0 | 0.0 | 417.8 | 17871 | -71.4 | 24 | .0 | 415.4 | 17802 | -71.5 | 22 | .0 | 415.3 | 17829 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.8 | 0 | 0.0 | 391.0 | 17178 | -77.6 | 24 | .0 | 389.4 | 17117 | -79.7 | 23 | .0 | 385.3 | 17145 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.7 | 0 | 0.0 | 377.6 | 16575 | -78.7 | 25 | .0 | 375.7 | 16516 | -79.5 | 24 | .0 | 374.2 | 16547 | 100 |
| 110 | -78.1 | 42 | .0 | 366.7 | 16032 | -76.6 | 0 | 0.0 | 369.5 | 16028 | -77.7 | 24 | .0 | 367.5 | 15973 | -77.0 | 23 | .0 | 368.8 | 16003 | 110 |
| 120 | -75.1 | 42 | .0 | 363.2 | 15531 | -75.6 | 0 | 0.0 | 362.3 | 15526 | -74.9 | 25 | .0 | 363.5 | 15472 | -74.7 | 23 | .0 | 364.0 | 15501 | 120 |
| 130 | -72.4 | 42 | .0 | 359.8 | 15064 | -73.5 | 0 | 0.0 | 357.8 | 15061 | -72.4 | 25 | .0 | 359.9 | 15004 | -72.6 | 23 | .0 | 359.5 | 15033 | 130 |
| 140 | -69.9 | 42 | .0 | 356.7 | 14625 | -70.5 | 0 | 0.0 | 355.5 | 14625 | -69.6 | 25 | .0 | 357.2 | 14565 | -70.6 | 22 | .0 | 355.4 | 14595 | 140 |
| 150 | -66.8 | 42 | .0 | 355.1 | 14211 | -67.8 | 0 | 0.0 | 353.4 | 14212 | -67.0 | 25 | .0 | 354.8 | 14152 | -68.2 | 22 | .0 | 352.7 | 14184 | 150 |
| 160 | -63.7 | 43 | .0 | 353.9 | 13818 | -64.5 | 0 | 0.0 | 352.3 | 13821 | -64.5 | 25 | .0 | 352.5 | 13760 | -64.9 | 21 | .0 | 351.7 | 13794 | 160 |
| 170 | -60.8 | 44 | .0 | 352.7 | 13444 | -61.5 | 0 | 0.0 | 351.4 | 13448 | -62.2 | 25 | .0 | 350.3 | 13387 | -61.9 | 20 | .0 | 350.7 | 13421 | 170 |
| 180 | -58.0 | 44 | .0 | 351.5 | 13086 | -58.5 | 0 | 0.0 | 350.5 | 13091 | -59.8 | 25 | .0 | 348.5 | 13032 | -59.0 | 20 | .0 | 349.8 | 13065 | 180 |
| 190 | -55.4 | 44 | .0 | 350.3 | 12744 | -55.8 | 0 | 0.0 | 349.5 | 12749 | -57.0 | 26 | .0 | 347.7 | 12692 | -56.1 | 20 | .0 | 349.1 | 12724 | 190 |
| 200 | -53.0 | 45 | .1 | 349.2 | 12415 | -53.2 | 0 | 0.0 | 348.6 | 12421 | -54.4 | 27 | .0 | 346.8 | 12365 | -53.4 | 20 | .0 | 348.3 | 12396 | 200 |
| 225 | -47.3 | 46 | .1 | 346.4 | 11645 | -47.2 | 0 | 0.0 | 346.2 | 11652 | -48.3 | 28 | .1 | 344.8 | 11600 | -47.2 | 19 | .0 | 346.4 | 11627 | 225 |
| 250 | -41.0 | 47 | .2 | 346.0 | 10939 | -41.8 | 0 | 0.0 | 343.9 | 10946 | -42.8 | 30 | .1 | 342.9 | 10898 | -42.4 | 20 | .1 | 343.3 | 10922 | 250 |
| 275 | -35.5 | 49 | .3 | 345.1 | 10283 | -36.4 | 35 | .2 | 343.4 | 10293 | -37.5 | 47 | .3 | 341.9 | 10247 | -38.5 | 41 | .2 | 340.3 | 10273 | 275 |
| 300 | -31.2 | 51 | .5 | 343.4 | 9672 | -31.2 | 31 | .3 | 342.7 | 9683 | -33.0 | 54 | .4 | 340.6 | 9641 | -32.9 | 19 | .1 | 339.6 | 9668 | 300 |
| 325 | -27.1 | 51 | .7 | 341.8 | 9100 | -26.4 | 24 | .3 | 341.7 | 9110 | -28.4 | 70 | .8 | 340.5 | 9073 | -28.2 | 17 | .2 | 338.6 | 9099 | 325 |
| 350 | -23.4 | 48 | .8 | 340.2 | 8562 | -22.2 | 25 | .5 | 340.7 | 8570 | -24.0 | 74 | 1.2 | 340.6 | 8536 | -24.5 | 16 | .2 | 336.7 | 8563 | 350 |
| 375 | -19.9 | 46 | 1.0 | 338.8 | 8053 | -19.2 | 26 | .6 | 338.4 | 8059 | -21.0 | 55 | 1.0 | 337.6 | 8030 | -21.2 | 39 | .7 | 336.2 | 8057 | 375 |
| 400 | -16.7 | 43 | 1.1 | 337.4 | 7571 | -16.4 | 26 | .7 | 336.3 | 7577 | -17.8 | 27 | .6 | 334.2 | 7551 | -17.5 | 15 | .4 | 333.7 | 7578 | 400 |
| 425 | -14.1 | 41 | 1.2 | 335.3 | 7114 | -13.0 | 30 | 1.0 | 335.8 | 7118 | -14.2 | 18 | .5 | 332.9 | 7094 | -14.0 | 14 | .4 | 332.7 | 7121 | 425 |
| 450 | -10.4 | 18 | .7 | 332.8 | 6677 | -10.1 | M | M | M | 6679 | -11.2 | 22 | .8 | 332.1 | 6658 | -10.7 | 14 | .5 | 331.8 | 6684 | 450 |
| 475 | -9.1 | 54 | 2.2 | 334.2 | 6260 | -7.7 | M | M | M | 6261 | -8.5 | 30 | 1.3 | 331.9 | 6240 | -8.6 | 47 | 2.0 | 334.1 | 6267 | 475 |
| 500 | -6.8 | 58 | 2.7 | 333.7 | 5861 | -5.3 | M | M | M | 5860 | -5.7 | 32 | 1.6 | 331.7 | 5840 | -6.0 | 18 | .9 | 328.9 | 5867 | 500 |
| 525 | -4.7 | 62 | 3.2 | 333.4 | 5478 | -3.1 | M | M | M | 5476 | -3.3 | 19 | 1.1 | 328.3 | 5456 | -4.7 | 58 | 3.0 | 332.6 | 5484 | 525 |
| 550 | -2.6 | 65 | 3.8 | 333.3 | 5110 | -1.1 | M | M | M | 5106 | -1.7 | 24 | 1.5 | 327.2 | 5087 | -2.7 | 42 | 2.4 | 328.9 | 5116 | 550 |
| 575 | -.6 | 69 | 4.4 | 333.4 | 4756 | .1 | M | M | M | 4751 | -.6 | 37 | 2.4 | 327.2 | 4732 | -1.2 | 62 | 3.8 | 330.9 | 4762 | 575 |
| 600 | 1.8 | 77 | 5.6 | 336.0 | 4414 | 2.3 | M | M | M | 44 9 | .7 | 36 | 2.4 | 324.8 | 4391 | .7 | 33 | 2.2 | 324.3 | 4422 | 600 |
| 625 | 2.4 | 76 | 5.5 | 332.5 | 4084 | 4.5 | M | M | M | 4079 | 3.0 | 30 | 2.3 | 323.3 | 4062 | 3.2 | 26 | 2.0 | 322.9 | 4092 | 625 |
| 650 | 5.0 | 68 | 5.8 | 332.7 | 3764 | 6.5 | M | M | M | 3759 | 5.2 | 28 | 2.3 | 322.6 | 3743 | 5.5 | 28 | 2.4 | 323.1 | 3773 | 650 |
| 675 | 6.3 | 75 | 6.7 | 333.3 | 3455 | 8.2 | M | M | M | 3449 | 7.3 | 25 | 2.4 | 321.8 | 3434 | 7.0 | 43 | 4.0 | 326.2 | 3464 | 675 |
| 700 | 7.6 | 81 | 7.6 | 334.0 | 3155 | 9.8 | M | M | M | 3148 | 9.0 | 49 | 5.1 | 328.5 | 3134 | 8.6 | 53 | 5.3 | 328.6 | 3164 | 700 |
| 725 | 9.3 | 86 | 8.7 | 336.0 | 2865 | 11.3 | M | M | M | 2857 | 10.3 | 60 | 6.5 | 330.7 | 2842 | 10.4 | 51 | 5.5 | 328.0 | 2872 | 725 |
| 750 | 11.1 | 85 | 9.5 | 336.9 | 2582 | 12.8 | M | M | M | 2573 | 11.3 | 68 | 7.6 | 332.0 | 2559 | 12.4 | 54 | 6.5 | 330.0 | 2589 | 750 |
| 775 | 12.9 | 84 | 10.2 | 337.9 | 2306 | 14.0 | M | M | M | 2298 | 12.9 | 70 | 8.5 | 333.2 | 2283 | 14.7 | 44 | 5.9 | 327.7 | 2312 | 775 |
| 800 | 14.6 | 83 | 10.9 | 338.9 | 2038 | 15.2 | M | M | M | 2030 | 14.5 | 72 | 9.4 | 334.6 | 2015 | 15.7 | 48 | 6.8 | 328.6 | 2043 | 800 |
| 825 | 16.2 | 82 | 11.7 | 339.9 | 1776 | 16.3 | M | M | M | 1769 | 15.7 | 77 | 10.5 | 336.1 | 1754 | 16.5 | 65 | 9.4 | 333.9 | 1781 | 825 |
| 850 | 17.7 | 81 | 12.1 | 340.1 | 1521 | 17.4 | M | M | M | 1514 | 16.6 | 83 | 11.7 | 337.6 | 1499 | 17.3 | 81 | 11.9 | 339.0 | 1526 | 850 |
| 875 | 18.9 | 77 | 12.2 | 339.0 | 1272 | 18.6 | 93 | 14.5 | 344.9 | 1265 | 17.6 | 89 | 12.9 | 339.2 | 1251 | 18.8 | 84 | 13.2 | 341.4 | 1277 | 875 |
| 900 | 20.1 | 74 | 12.3 | 337.8 | 1028 | 20.2 | 93 | 15.6 | 347.1 | 1022 | 19.1 | 90 | 14.1 | 341.4 | 1009 | 20.1 | 87 | 14.5 | 344.0 | 1033 | 900 |
| 925 | 21.1 | 86 | 14.8 | 343.2 | 791 | 21.8 | 93 | 16.7 | 349.4 | 783 | 20.5 | 92 | 15.3 | 343.8 | 771 | 21.3 | 89 | 15.6 | 345.7 | 795 | 925 |
| 950 | 22.2 | 95 | 17.2 | 348.4 | 558 | 23.4 | 92 | 17.7 | 351.2 | 550 | 22.1 | 92 | 16.5 | 346.3 | 539 | 22.2 | 90 | 16.2 | 345.7 | 563 | 950 |
| 975 | 23.9 | 91 | 17.7 | 349.3 | 331 | 25.0 | 89 | 18.4 | 352.6 | 321 | 24.4 | 88 | 17.6 | 349.6 | 311 | 23.1 | 91 | 16.8 | 345.7 | 336 | 975 |
| 1000 | 25.5 | 87 | 18.2 | 350.0 | 107 | 26.5 | 86 | 19.1 | 354.0 | 97 | 26.7 | 83 | 18.6 | 352.7 | 88 | 25.8 | 84 | 17.9 | 349.7 | 113 | 1000 |
| SFC. | 26.3 | 85 | 18.4 | 350.3 | 0 | 27.2 | 85 | 19.5 | 354.6 | 0 | 27.6 | 81 | 19.0 | 353.9 | 0 | 27.2 | 81 | 18.5 | 351.7 | 0 | SFC. |
| | SURFACE PRESSURE 1012.2 | | | | | SURFACE PRESSURE 1011.0 | | | | | SURFACE PRESSURE 1009.9 | | | | | SURFACE PRESSURE 1012.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/17 9 2 GMT T | RH | W | EPT | H | 3/17 1217 GMT T | RH | W | EPT | H | 3/17 18 6 GMT T | RH | W | EPT | H | 3/17 2315 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -64.4 | 0 | 0.0 | 466.9 | 19555 | -64.2 | 0 | 0.0 | 467.2 | 19553 | -65.7 | 0 | 0.0 | 463.9 | 19549 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -70.9 | 0 | 0.0 | 432.7 | 18619 | -70.1 | 0 | 0.0 | 434.4 | 18620 | -69.8 | 0 | 0.0 | 435.1 | 18625 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -72.3 | 25 | .0 | 413.6 | 17839 | -70.9 | 0 | 0.0 | 416.5 | 17832 | -69.8 | 18 | .0 | 418.8 | 17829 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -80.1 | 25 | .0 | 384.4 | 17153 | -78.7 | 0 | 0.0 | 387.2 | 17142 | -74.6 | 18 | .0 | 395.4 | 17132 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -80.0 | 25 | .0 | 373.2 | 16558 | -81.0 | 0 | 0.0 | 371.2 | 16546 | -79.1 | 19 | .0 | 374.8 | 16534 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -77.7 | 25 | .0 | 367.5 | 16015 | -77.9 | 0 | 0.0 | 367.1 | 16005 | -77.6 | 18 | .0 | 367.7 | 15990 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -75.1 | 25 | .0 | 363.2 | 15514 | -75.1 | 0 | 0.0 | 363.2 | 15504 | -75.1 | 17 | .0 | 363.2 | 15489 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -72.5 | 25 | .0 | 359.7 | 15047 | -72.5 | 0 | 0.0 | 359.7 | 15037 | -72.8 | 17 | .0 | 359.1 | 15022 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -70.6 | 25 | .0 | 355.5 | 14609 | -70.1 | 0 | 0.0 | 356.4 | 14599 | -70.7 | 16 | .0 | 355.3 | 14585 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -69.0 | 25 | .0 | 351.3 | 14198 | -67.8 | 0 | 0.0 | 353.3 | 14186 | -68.1 | 16 | .0 | 352.7 | 14174 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.7 | 24 | .0 | 350.5 | 13809 | -64.9 | 0 | 0.0 | 351.8 | 13795 | -64.5 | 16 | .0 | 352.5 | 13783 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.6 | 24 | .0 | 349.5 | 13438 | -61.9 | 0 | 0.0 | 350.6 | 13423 | -61.2 | 16 | .0 | 351.8 | 13409 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.7 | 23 | .0 | 348.6 | 13084 | -59.1 | 0 | 0.0 | 349.5 | 13067 | -58.3 | 16 | .0 | 351.0 | 13052 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -57.0 | 23 | .0 | 347.7 | 12743 | -56.5 | 0 | 0.0 | 348.4 | 12726 | -55.5 | 16 | .0 | 350.1 | 12710 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -54.4 | 22 | .0 | 346.8 | 12417 | -54.0 | 0 | 0.0 | 347.3 | 12399 | -52.8 | 16 | .0 | 349.2 | 12381 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -48.0 | 22 | .0 | 345.2 | 11651 | -47.9 | 0 | 0.0 | 345.2 | 11632 | -46.8 | 15 | .0 | 347.0 | 11610 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -42.1 | 22 | .1 | 343.8 | 10948 | -42.1 | 0 | 0.0 | 343.4 | 10928 | -41.3 | 15 | .1 | 344.9 | 10903 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -37.4 | 21 | .1 | 341.5 | 10296 | -37.0 | 16 | .1 | 342.0 | 10276 | -37.1 | 15 | .1 | 341.9 | 10251 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -33.1 | 19 | .2 | 339.4 | 9690 | -32.4 | 16 | .1 | 340.3 | 9669 | -34.0 | 20 | .1 | 338.0 | 9644 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -28.1 | 18 | .2 | 338.7 | 9121 | -28.1 | 16 | .2 | 338.7 | 9099 | -29.3 | 18 | .2 | 337.1 | 9079 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -24.4 | 17 | .3 | 336.9 | 8586 | -24.2 | 16 | .2 | 337.2 | 8563 | -25.4 | 18 | .3 | 335.6 | 8546 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -20.5 | 17 | .3 | 335.8 | 8079 | -20.5 | 16 | .3 | 335.7 | 8056 | -21.7 | 18 | .3 | 334.2 | 8041 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -17.5 | 24 | .6 | 334.5 | 7599 | -17.1 | 16 | .4 | 334.4 | 7575 | -18.7 | 19 | .4 | 332.2 | 7563 | 0.0 | 0 | 0.0 | 0.0 | 0 | 400 |
| 425 | -13.9 | 18 | .6 | 333.2 | 7141 | -13.8 | 16 | .5 | 333.1 | 7118 | -15.9 | 24 | .6 | 331.0 | 7109 | 0.0 | 0 | 0.0 | 0.0 | 0 | 425 |
| 450 | -10.8 | 18 | .7 | 332.2 | 6705 | -10.8 | 16 | .6 | 331.9 | 6681 | -12.9 | 37 | 1.2 | 331.1 | 6675 | 0.0 | 0 | 0.0 | 0.0 | 0 | 450 |
| 475 | -9.6 | 53 | 2.1 | 333.2 | 6288 | -8.6 | 35 | 1.5 | 332.5 | 6263 | -10.3 | 30 | 1.1 | 329.1 | 6261 | 0.0 | 0 | 0.0 | 0.0 | 0 | 475 |
| 500 | -6.5 | 34 | 1.6 | 330.7 | 5889 | -6.4 | 32 | 1.5 | 330.7 | 5864 | -7.6 | 22 | .9 | 327.2 | 5864 | 0.0 | 0 | 0.0 | 0.0 | 0 | 500 |
| 525 | -3.9 | 40 | 2.2 | 331.1 | 5506 | -4.1 | 30 | 1.6 | 329.0 | 5481 | -4.9 | 19 | .9 | 325.9 | 5482 | 0.0 | 0 | 0.0 | 0.0 | 0 | 525 |
| 550 | -2.2 | 30 | 1.8 | 327.5 | 5137 | -2.0 | 27 | 1.6 | 327.3 | 5113 | -3.0 | 31 | 1.7 | 326.4 | 5115 | 0.0 | 0 | 0.0 | 0.0 | 0 | 550 |
| 575 | -.5 | 35 | 2.2 | 326.9 | 4783 | -.0 | 25 | 1.7 | 325.6 | 4758 | -.9 | 19 | 1.2 | 323.1 | 4762 | 0.0 | 0 | 0.0 | 0.0 | 0 | 575 |
| 600 | 1.4 | 31 | 2.2 | 325.0 | 4442 | 1.9 | 23 | 1.7 | 324.0 | 4416 | .4 | 35 | 2.3 | 324.1 | 4421 | 0.0 | 0 | 0.0 | 0.0 | 0 | 600 |
| 625 | 3.7 | 32 | 2.5 | 325.0 | 4111 | 3.7 | 21 | 1.7 | 322.3 | 4086 | 2.9 | 26 | 2.0 | 322.4 | 4092 | 0.0 | 0 | 0.0 | 0.0 | 0 | 625 |
| 650 | 5.8 | 33 | 2.9 | 325.2 | 3792 | 5.5 | 22 | 1.9 | 321.4 | 3766 | 4.8 | 29 | 2.4 | 322.3 | 3774 | 0.0 | 0 | 0.0 | 0.0 | 0 | 650 |
| 675 | 7.8 | 38 | 3.8 | 326.5 | 3482 | 6.8 | 44 | 4.0 | 326.1 | 3457 | 6.7 | 31 | 2.8 | 322.2 | 3465 | 0.0 | 0 | 0.0 | 0.0 | 0 | 675 |
| 700 | 9.7 | 48 | 5.1 | 329.3 | 3181 | 8.7 | 51 | 5.1 | 328.1 | 3157 | 8.5 | 33 | 3.3 | 322.4 | 3165 | 0.0 | 0 | 0.0 | 0.0 | 0 | 700 |
| 725 | 11.9 | 47 | 5.6 | 330.2 | 2888 | 10.8 | 50 | 5.7 | 328.9 | 2866 | 10.1 | 42 | 4.5 | 324.7 | 2875 | 0.0 | 0 | 0.0 | 0.0 | 0 | 725 |
| 750 | 14.0 | 46 | 6.2 | 331.0 | 2603 | 12.9 | 50 | 6.2 | 329.8 | 2582 | 11.5 | 52 | 6.0 | 327.4 | 2592 | 0.0 | 0 | 0.0 | 0.0 | 0 | 750 |
| 775 | 15.5 | 41 | 5.8 | 328.4 | 2325 | 13.3 | 78 | 9.6 | 336.9 | 2305 | 12.6 | 64 | 7.6 | 330.2 | 2317 | 0.0 | 0 | 0.0 | 0.0 | 0 | 775 |
| 800 | 16.8 | 35 | 5.3 | 325.4 | 2056 | 14.3 | 91 | 11.7 | 340.9 | 2037 | 14.1 | 67 | 8.5 | 331.5 | 2049 | 0.0 | 0 | 0.0 | 0.0 | 0 | 800 |
| 825 | 18.0 | 32 | 5.0 | 323.1 | 1793 | 15.8 | 92 | 12.7 | 342.3 | 1775 | 15.6 | 69 | 9.4 | 332.9 | 1788 | 0.0 | 0 | 0.0 | 0.0 | 0 | 825 |
| 850 | 18.0 | 78 | 11.9 | 340.0 | 1537 | 17.3 | 92 | 13.6 | 343.9 | 1520 | 17.1 | 71 | 10.4 | 334.5 | 1533 | 0.0 | 0 | 0.0 | 0.0 | 0 | 850 |
| 875 | 19.3 | 85 | 13.9 | 344.2 | 1287 | 18.8 | 93 | 14.6 | 345.5 | 1270 | 18.5 | 74 | 11.4 | 336.2 | 1285 | 0.0 | 0 | 0.0 | 0.0 | 0 | 875 |
| 900 | 20.8 | 88 | 15.3 | 347.0 | 1043 | 20.2 | 93 | 15.6 | 347.2 | 1027 | 19.9 | 76 | 12.4 | 338.0 | 1042 | 0.0 | 0 | 0.0 | 0.0 | 0 | 900 |
| 925 | 22.2 | 91 | 16.7 | 349.8 | 805 | 21.6 | 93 | 16.7 | 349.0 | 789 | 21.3 | 78 | 13.5 | 340.0 | 804 | 21.3 | 62 | 10.7 | 332.1 | 784 | 925 |
| 950 | 23.1 | 95 | 18.1 | 352.0 | 571 | 23.0 | 94 | 17.7 | 350.8 | 555 | 22.6 | 80 | 14.7 | 342.0 | 571 | 22.7 | 71 | 13.2 | 338.1 | 551 | 950 |
| 975 | 24.7 | 91 | 18.5 | 352.4 | 343 | 24.5 | 91 | 18.5 | 352.2 | 327 | 24.4 | 82 | 16.3 | 345.9 | 344 | 23.9 | 79 | 15.3 | 342.8 | 324 | 975 |
| 1000 | 26.2 | 86 | 18.8 | 352.6 | 119 | 26.2 | 87 | 19.0 | 353.2 | 103 | 26.5 | 82 | 18.3 | 351.7 | 120 | 26.2 | 82 | 17.8 | 349.8 | 101 | 1000 |
| SFC. | 27.0 | 84 | 18.9 | 352.6 | 0 | 27.0 | 85 | 19.2 | 353.5 | 0 | 27.7 | 83 | 19.5 | 355.1 | 0 | 27.2 | 83 | 19.0 | 353.2 | 0 | SFC. |
| | SURFACE PRESSURE 1013.5 | | | | | SURFACE PRESSURE 1011.7 | | | | | SURFACE PRESSURE 1013.6 | | | | | SURFACE PRESSURE 1011.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/18 515 GMT | | | | | 3/18 1134 GMT | | | | | 3/18 1528 GMT | | | | | 3/18 1837 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.2 | 21 | .0 | 472.0 | 19538 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 22 | .0 | 431.7 | 18606 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 23 | .0 | 408.4 | 17825 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.7 | 12 | .0 | 399.1 | 16991 | -74.6 | 22 | .0 | 395.5 | 17142 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.5 | 17 | .0 | 376.1 | 16379 | -76.0 | 23 | .0 | 380.9 | 16528 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.3 | 0 | 0.0 | 364.4 | 15923 | -80.0 | 18 | .0 | 363.1 | 15839 | -76.6 | 23 | .0 | 369.5 | 15979 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.5 | 0 | 0.0 | 356.9 | 15428 | -79.6 | 20 | .0 | 355.0 | 15346 | -76.5 | 23 | .0 | 360.7 | 15478 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.7 | 0 | 0.0 | 353.9 | 14969 | -76.5 | 20 | .0 | 352.5 | 14889 | -73.4 | 23 | .0 | 358.0 | 15014 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.5 | 0 | 0.0 | 352.1 | 14537 | -73.6 | 20 | .0 | 350.1 | 14459 | -70.6 | 22 | .0 | 355.4 | 14577 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.6 | 0 | 0.0 | 350.3 | 14129 | -71.0 | 20 | .0 | 347.9 | 14053 | -68.0 | 22 | .0 | 353.0 | 14165 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.8 | 0 | 0.0 | 348.5 | 13742 | -68.2 | 20 | .0 | 346.2 | 13669 | -65.5 | 22 | .0 | 350.7 | 13775 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.9 | 0 | 0.0 | 347.4 | 13373 | -65.3 | 20 | .0 | 345.1 | 13302 | -62.5 | 22 | .0 | 349.8 | 13404 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.8 | 0 | 0.0 | 346.8 | 13020 | -62.2 | 19 | .0 | 344.6 | 12952 | -59.5 | 22 | .0 | 348.9 | 13049 | 180 |
| 190 | -57.9 | 17 | .0 | 346.2 | 12712 | -57.8 | 0 | 0.0 | 346.2 | 12681 | -59.3 | 19 | .0 | 344.0 | 12615 | -56.7 | 22 | .0 | 348.1 | 12709 | 190 |
| 200 | -54.5 | 17 | .0 | 346.5 | 12386 | -55.1 | 0 | 0.0 | 345.6 | 12356 | -56.5 | 19 | .0 | 343.4 | 12292 | -54.1 | 22 | .0 | 347.2 | 12381 | 200 |
| 225 | -46.8 | 16 | .0 | 346.9 | 11619 | -48.7 | 0 | 0.0 | 343.9 | 11593 | -50.2 | 18 | .0 | 341.8 | 11534 | -48.0 | 23 | .0 | 345.2 | 11615 | 225 |
| 250 | -42.0 | 16 | .1 | 343.9 | 10912 | -43.0 | 0 | 0.0 | 342.2 | 10891 | -44.4 | 17 | .0 | 340.3 | 10837 | -42.6 | 23 | .1 | 343.1 | 10912 | 250 |
| 275 | -37.0 | 17 | .1 | 342.0 | 10260 | -37.8 | 14 | .1 | 340.8 | 10241 | -38.9 | 16 | .1 | 339.3 | 10191 | -37.6 | 23 | .1 | 341.2 | 10262 | 275 |
| 300 | -34.6 | 20 | .1 | 337.2 | 9654 | -34.3 | 17 | .1 | 337.5 | 9636 | -35.4 | 21 | .1 | 336.0 | 9588 | -34.7 | 41 | .3 | 337.6 | 9658 | 300 |
| 325 | -29.9 | 19 | .2 | 336.3 | 9089 | -31.4 | 33 | .3 | 334.5 | 9074 | -32.2 | 36 | .3 | 333.4 | 9027 | -30.1 | 33 | .3 | 336.4 | 9093 | 325 |
| 350 | -25.5 | 19 | .3 | 335.3 | 8557 | -27.1 | 36 | .4 | 333.8 | 8544 | -28.4 | 44 | .5 | 332.2 | 8500 | -26.0 | 31 | .4 | 335.3 | 8561 | 350 |
| 375 | -21.5 | 18 | .3 | 334.5 | 8052 | -22.8 | 31 | .5 | 333.3 | 8043 | -23.8 | 41 | .6 | 332.3 | 8001 | -22.1 | 29 | .5 | 334.2 | 8058 | 375 |
| 400 | -17.7 | 18 | .4 | 333.6 | 7573 | -18.8 | 25 | .5 | 332.6 | 7566 | -19.9 | 34 | .7 | 331.6 | 7526 | -18.5 | 27 | .6 | 333.2 | 7580 | 400 |
| 425 | -14.7 | 18 | .5 | 332.0 | 7117 | -15.6 | 27 | .7 | 331.6 | 7111 | -16.2 | 29 | .7 | 330.8 | 7073 | -15.4 | 37 | 1.0 | 332.9 | 7125 | 425 |
| 450 | -11.8 | 17 | .6 | 330.5 | 6681 | -12.5 | 28 | .9 | 330.8 | 6677 | -12.9 | 26 | .8 | 330.0 | 6640 | -12.1 | 36 | 1.2 | 332.3 | 6690 | 450 |
| 475 | -9.3 | 26 | 1.0 | 330.2 | 6265 | -9.6 | 29 | 1.1 | 330.1 | 6262 | -9.8 | 26 | 1.0 | 329.5 | 6225 | -9.0 | 35 | 1.4 | 331.8 | 6274 | 475 |
| 500 | -6.7 | 26 | 1.2 | 329.1 | 5867 | -6.9 | 31 | 1.4 | 329.5 | 5864 | -6.9 | 28 | 1.3 | 329.2 | 5827 | -5.8 | 25 | 1.2 | 330.4 | 5875 | 500 |
| 525 | -4.3 | 26 | 1.4 | 328.1 | 5484 | -4.3 | 32 | 1.7 | 329.1 | 5481 | -4.1 | 30 | 1.6 | 329.0 | 5444 | -3.0 | 19 | 1.1 | 328.9 | 5490 | 525 |
| 550 | -2.0 | 32 | 1.9 | 328.2 | 5116 | -1.8 | 33 | 2.0 | 328.8 | 5113 | -2.7 | 39 | 2.2 | 328.4 | 5076 | -.7 | 20 | 1.3 | 327.8 | 5120 | 550 |
| 575 | -.0 | 31 | 2.1 | 326.9 | 4761 | .1 | 44 | 2.9 | 329.8 | 4758 | -1.2 | 53 | 3.2 | 329.2 | 4723 | 1.4 | 22 | 1.6 | 327.1 | 4764 | 575 |
| 600 | 1.8 | 28 | 2.0 | 325.1 | 4419 | 2.0 | 54 | 4.0 | 331.2 | 4415 | .8 | 42 | 2.8 | 326.3 | 4382 | 3.0 | 28 | 2.2 | 326.9 | 4420 | 600 |
| 625 | 4.3 | 36 | 3.0 | 327.2 | 4089 | 3.8 | 60 | 4.8 | 332.0 | 4084 | 1.9 | 46 | 3.2 | 325.1 | 4053 | 4.6 | 33 | 2.8 | 327.0 | 4089 | 625 |
| 650 | 6.5 | 30 | 2.8 | 325.5 | 3768 | 6.1 | 26 | 2.3 | 323.6 | 3764 | 4.4 | 41 | 3.3 | 324.7 | 3735 | 6.2 | 37 | 3.4 | 326.9 | 3768 | 650 |
| 675 | 8.5 | 33 | 3.4 | 326.3 | 3457 | 8.6 | 24 | 2.5 | 323.5 | 3454 | 6.6 | 43 | 3.9 | 325.3 | 3426 | 8.2 | 30 | 3.1 | 324.8 | 3458 | 675 |
| 700 | 10.5 | 37 | 4.2 | 327.5 | 3156 | 10.9 | 23 | 2.7 | 323.5 | 3152 | 8.1 | 50 | 4.8 | 326.6 | 3127 | 10.2 | 24 | 2.7 | 322.5 | 3157 | 700 |
| 725 | 12.4 | 40 | 5.0 | 328.8 | 2862 | 13.2 | 22 | 2.9 | 323.4 | 2858 | 9.6 | 57 | 5.9 | 328.3 | 2836 | 12.0 | 28 | 3.4 | 323.4 | 2864 | 725 |
| 750 | 13.6 | 49 | 6.3 | 331.0 | 2577 | 14.0 | 30 | 4.1 | 324.8 | 2573 | 9.0 | 88 | 8.5 | 331.6 | 2555 | 13.0 | 44 | 5.5 | 327.9 | 2579 | 750 |
| 775 | 14.3 | 74 | 9.8 | 338.5 | 2300 | 14.9 | 39 | 5.3 | 326.2 | 2296 | 10.9 | 88 | 9.3 | 333.1 | 2281 | 12.6 | 65 | 7.7 | 330.4 | 2304 | 775 |
| 800 | 14.9 | 97 | 13.0 | 345.4 | 2031 | 15.6 | 51 | 7.1 | 329.3 | 2027 | 12.8 | 88 | 10.2 | 334.7 | 2015 | 14.4 | 66 | 8.6 | 332.1 | 2036 | 800 |
| 825 | 16.4 | 96 | 13.8 | 346.1 | 1768 | 16.0 | 80 | 11.1 | 338.2 | 1765 | 14.6 | 87 | 11.1 | 336.4 | 1754 | 16.3 | 67 | 9.5 | 333.9 | 1775 | 825 |
| 850 | 17.8 | 95 | 14.5 | 346.8 | 1513 | 17.0 | 90 | 13.0 | 341.6 | 1510 | 16.3 | 87 | 12.1 | 338.2 | 1500 | 17.1 | 77 | 11.2 | 336.7 | 1520 | 850 |
| 875 | 19.1 | 94 | 15.2 | 347.5 | 1263 | 18.2 | 92 | 13.9 | 342.7 | 1261 | 18.0 | 87 | 13.0 | 340.1 | 1252 | 18.2 | 78 | 11.7 | 336.7 | 1271 | 875 |
| 900 | 20.4 | 94 | 15.9 | 348.3 | 1019 | 19.4 | 93 | 14.8 | 343.9 | 1018 | 19.7 | 87 | 14.0 | 342.1 | 1009 | 19.5 | 77 | 12.3 | 337.1 | 1028 | 900 |
| 925 | 21.7 | 93 | 16.7 | 349.1 | 780 | 20.8 | 93 | 15.7 | 345.4 | 781 | 21.3 | 87 | 15.1 | 344.2 | 771 | 21.0 | 76 | 12.9 | 337.8 | 791 | 925 |
| 950 | 23.0 | 92 | 17.4 | 349.9 | 547 | 22.8 | 89 | 16.5 | 347.4 | 548 | 22.8 | 86 | 16.1 | 346.3 | 538 | 22.5 | 74 | 13.5 | 338.5 | 559 | 950 |
| 975 | 24.5 | 89 | 18.0 | 350.8 | 319 | 24.7 | 85 | 17.3 | 349.2 | 320 | 24.3 | 86 | 17.2 | 348.5 | 310 | 24.2 | 74 | 14.6 | 341.2 | 332 | 975 |
| 1000 | 26.2 | 85 | 18.5 | 351.7 | 95 | 26.6 | 81 | 18.0 | 350.9 | 96 | 25.8 | 86 | 18.3 | 350.8 | 86 | 26.2 | 77 | 16.6 | 346.6 | 109 | 1000 |
| SFC. | 26.9 | 83 | 18.6 | 352.0 | 0 | 27.4 | 79 | 18.3 | 351.6 | 0 | 26.4 | 86 | 18.8 | 351.8 | 0 | 27.5 | 82 | 19.1 | 353.8 | 0 | SFC. |
| | SURFACE PRESSURE 1010.8 | | | | | SURFACE PRESSURE 1010.9 | | | | | SURFACE PRESSURE 1009.8 | | | | | SURFACE PRESSURE 1012.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — SHIP SURVEYOR

| P | 3/18 2129 GMT T | RH | W | EPT | H | 3/19 029 GMT T | RH | W | EPT | H | 3/19 345 GMT T | RH | W | EPT | H | 3/19 625 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -62.5 | 0 | 0.0 | 471.0 | 19573 | -63.1 | 0 | 0.0 | 469.6 | 19538 | -66.6 | 0 | 0.0 | 461.9 | 19495 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -71.3 | 21 | .0 | 431.9 | 18636 | -68.2 | 0 | 0.0 | 438.5 | 18598 | -70.2 | 0 | 0.0 | 434.2 | 18571 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -73.7 | 21 | .0 | 410.7 | 17852 | -73.5 | 0 | 0.0 | 411.2 | 17808 | -73.3 | 0 | 0.0 | 411.5 | 17783 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -75.9 | 22 | .0 | 392.8 | 17167 | -76.7 | 0 | 0.0 | 391.2 | 17125 | -78.8 | 0 | 0.0 | 386.9 | 17101 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -77.8 | 22 | .0 | 377.4 | 16562 | -78.4 | 0 | 0.0 | 376.3 | 16525 | -78.8 | 18 | .0 | 375.6 | 16504 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -77.1 | 21 | .0 | 368.6 | 16015 | -76.3 | 0 | 0.0 | 370.1 | 15978 | -77.1 | 19 | .0 | 368.6 | 15959 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -76.0 | 21 | .0 | 361.6 | 15515 | -74.4 | 0 | 0.0 | 364.6 | 15474 | -75.6 | 20 | .0 | 362.3 | 15457 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -73.2 | 21 | .0 | 358.5 | 15050 | -72.6 | 0 | 0.0 | 359.5 | 15006 | -72.9 | 20 | .0 | 358.9 | 14991 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -70.5 | 21 | .0 | 355.6 | 14613 | -70.9 | 0 | 0.0 | 354.9 | 14569 | -70.2 | 20 | .0 | 356.2 | 14554 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.1 | 21 | .0 | 352.9 | 14201 | -68.7 | 0 | 0.0 | 351.8 | 14158 | -67.6 | 20 | .0 | 353.7 | 14141 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.7 | 21 | .0 | 350.5 | 13811 | -65.5 | 0 | 0.0 | 350.7 | 13769 | -65.2 | 20 | .0 | 351.3 | 13750 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.6 | 21 | .0 | 349.5 | 13440 | -62.6 | 0 | 0.0 | 349.6 | 13398 | -62.5 | 20 | .0 | 349.8 | 13379 | -62.7 | 19 | .0 | 349.4 | 13407 | 170 |
| 180 | -59.7 | 21 | .0 | 348.6 | 13085 | -59.8 | 0 | 0.0 | 348.5 | 13043 | -59.9 | 20 | .0 | 348.3 | 13024 | -60.1 | 19 | .0 | 348.1 | 13052 | 180 |
| 190 | -57.0 | 20 | .0 | 347.7 | 12745 | -57.1 | 0 | 0.0 | 347.4 | 12703 | -57.4 | 19 | .0 | 346.9 | 12684 | -57.6 | 18 | .0 | 346.8 | 12713 | 190 |
| 200 | -54.4 | 20 | .0 | 346.7 | 12418 | -54.6 | 0 | 0.0 | 346.3 | 12377 | -55.1 | 19 | .0 | 345.6 | 12359 | -55.2 | 18 | .0 | 345.5 | 12387 | 200 |
| 225 | -48.3 | 20 | .0 | 344.7 | 11654 | -48.4 | 0 | 0.0 | 344.4 | 11612 | -49.1 | 19 | .0 | 343.5 | 11597 | -49.0 | 18 | .0 | 343.5 | 11625 | 225 |
| 250 | -42.1 | 20 | .1 | 343.7 | 10950 | -42.7 | 0 | 0.0 | 342.6 | 10910 | -43.0 | 19 | .1 | 342.4 | 10896 | -43.0 | 18 | .1 | 342.3 | 10925 | 250 |
| 275 | -36.6 | 19 | .1 | 342.7 | 10298 | -37.4 | 20 | .1 | 341.5 | 10259 | -37.5 | 20 | .1 | 341.3 | 10246 | -37.6 | 17 | .1 | 341.1 | 10275 | 275 |
| 300 | -31.7 | 20 | .2 | 341.4 | 9688 | -32.4 | 16 | .1 | 340.3 | 9652 | -32.5 | 20 | .2 | 340.2 | 9639 | -32.7 | 17 | .1 | 339.9 | 9668 | 300 |
| 325 | -28.5 | 27 | .3 | 338.7 | 9119 | -28.5 | 21 | .2 | 338.3 | 9083 | -28.7 | 41 | .5 | 338.9 | 9070 | -28.4 | 30 | .3 | 338.9 | 9099 | 325 |
| 350 | -25.4 | 34 | .5 | 336.3 | 8584 | -25.1 | 27 | .4 | 336.4 | 8548 | -25.0 | 39 | .6 | 337.2 | 8536 | -25.2 | 48 | .7 | 337.4 | 8565 | 350 |
| 375 | -21.3 | 31 | .6 | 335.6 | 8079 | -21.7 | 30 | .5 | 334.9 | 8044 | -21.5 | 40 | .7 | 335.8 | 8031 | -21.1 | 30 | .6 | 335.8 | 8060 | 375 |
| 400 | -17.4 | 28 | .7 | 334.9 | 7599 | -17.6 | 22 | .5 | 334.1 | 7565 | -18.5 | 57 | 1.3 | 335.4 | 7552 | -17.6 | 30 | .7 | 334.8 | 7580 | 400 |
| 425 | -13.3 | 27 | .9 | 335.1 | 7141 | -13.9 | 21 | .7 | 333.6 | 7107 | -15.1 | 44 | 1.2 | 333.9 | 7097 | -14.8 | 32 | .9 | 333.3 | 7123 | 425 |
| 450 | -10.4 | 24 | .9 | 333.6 | 6704 | -10.3 | 21 | .8 | 333.2 | 6670 | -11.5 | 35 | 1.2 | 333.2 | 6662 | -11.8 | 46 | 1.6 | 334.1 | 6688 | 450 |
| 475 | -7.6 | 22 | 1.0 | 332.2 | 6285 | -7.0 | 20 | .9 | 332.8 | 6251 | -8.1 | 28 | 1.2 | 332.3 | 6244 | -8.8 | 31 | 1.3 | 331.7 | 6272 | 475 |
| 500 | -5.0 | 20 | 1.1 | 330.8 | 5884 | -4.8 | 20 | 1.1 | 331.0 | 5850 | -5.5 | 26 | 1.3 | 331.0 | 5844 | -5.4 | 30 | 1.5 | 331.8 | 5872 | 500 |
| 525 | -2.7 | 22 | 1.3 | 329.9 | 5499 | -2.6 | 19 | 1.2 | 329.4 | 5464 | -3.1 | 25 | 1.4 | 329.8 | 5459 | -2.5 | 27 | 1.7 | 331.3 | 5486 | 525 |
| 550 | -.5 | 24 | 1.6 | 329.1 | 5129 | -.6 | 19 | 1.3 | 327.8 | 5094 | -.8 | 24 | 1.5 | 328.6 | 5089 | -.7 | 35 | 2.3 | 331.2 | 5116 | 550 |
| 575 | 1.6 | 26 | 2.0 | 328.6 | 4772 | 1.1 | 41 | 2.9 | 331.1 | 4738 | 1.5 | 22 | 1.6 | 327.4 | 4733 | .9 | 56 | 4.0 | 334.2 | 4760 | 575 |
| 600 | 3.6 | 28 | 2.3 | 328.1 | 4428 | 3.3 | 36 | 2.9 | 329.6 | 4394 | 3.6 | 21 | 1.7 | 326.2 | 4389 | 3.1 | 33 | 2.6 | 328.4 | 4416 | 600 |
| 625 | 5.6 | 30 | 2.7 | 327.8 | 4095 | 5.4 | 25 | 2.3 | 326.2 | 4062 | 5.2 | 22 | 2.0 | 325.1 | 4057 | 4.5 | 38 | 3.2 | 328.0 | 4084 | 625 |
| 650 | 7.4 | 31 | 3.1 | 327.6 | 3773 | 7.3 | 22 | 2.2 | 324.5 | 3740 | 6.8 | 24 | 2.2 | 324.2 | 3736 | 6.5 | 32 | 2.9 | 326.0 | 3764 | 650 |
| 675 | 9.2 | 33 | 3.6 | 327.5 | 3461 | 9.1 | 21 | 2.2 | 323.3 | 3429 | 8.3 | 25 | 2.5 | 323.3 | 3425 | 8.2 | 31 | 3.1 | 325.1 | 3453 | 675 |
| 700 | 10.9 | 35 | 4.0 | 327.5 | 3159 | 10.8 | 20 | 2.3 | 322.0 | 3127 | 9.7 | 26 | 2.8 | 322.5 | 3124 | 9.8 | 32 | 3.5 | 324.6 | 3152 | 700 |
| 725 | 12.6 | 36 | 4.5 | 327.7 | 2865 | 12.5 | 19 | 2.3 | 320.9 | 2834 | 11.1 | 27 | 3.1 | 321.8 | 2832 | 11.3 | 34 | 3.9 | 324.3 | 2860 | 725 |
| 750 | 11.1 | 67 | 7.5 | 331.1 | 2583 | 13.2 | 33 | 4.2 | 324.3 | 2549 | 8.6 | 64 | 5.9 | 323.9 | 2550 | 12.8 | 35 | 4.3 | 324.0 | 2576 | 750 |
| 775 | 12.7 | 70 | 8.4 | 332.5 | 2308 | 12.3 | 61 | 7.1 | 328.5 | 2274 | 11.5 | 96 | 10.6 | 337.4 | 2277 | 13.0 | 74 | 9.0 | 334.7 | 2300 | 775 |
| 800 | 14.3 | 73 | 9.3 | 334.1 | 2040 | 13.4 | 71 | 8.6 | 330.9 | 2007 | 13.2 | 93 | 11.1 | 337.8 | 2009 | 13.7 | 88 | 10.9 | 337.9 | 2032 | 800 |
| 825 | 15.6 | 83 | 11.3 | 338.1 | 1779 | 14.9 | 72 | 9.3 | 331.7 | 1746 | 14.8 | 90 | 11.6 | 338.2 | 1749 | 15.3 | 88 | 11.8 | 339.1 | 1771 | 825 |
| 850 | 16.9 | 90 | 12.9 | 341.4 | 1524 | 16.4 | 72 | 10.0 | 332.6 | 1492 | 17.1 | 77 | 11.1 | 336.6 | 1494 | 17.0 | 87 | 12.6 | 340.6 | 1516 | 850 |
| 875 | 18.3 | 92 | 14.0 | 343.1 | 1275 | 17.8 | 73 | 10.7 | 333.5 | 1244 | 18.9 | 69 | 10.9 | 335.4 | 1246 | 18.7 | 86 | 13.5 | 342.2 | 1267 | 875 |
| 900 | 19.6 | 93 | 15.1 | 344.8 | 1032 | 19.2 | 73 | 11.5 | 334.5 | 1002 | 20.0 | 75 | 12.3 | 337.5 | 1002 | 20.3 | 86 | 14.4 | 343.9 | 1024 | 900 |
| 925 | 21.3 | 88 | 15.4 | 344.9 | 794 | 20.6 | 74 | 12.3 | 335.6 | 765 | 21.3 | 78 | 13.5 | 340.0 | 765 | 21.9 | 85 | 15.3 | 345.6 | 785 | 925 |
| 950 | 23.2 | 80 | 15.1 | 344.1 | 561 | 22.3 | 75 | 13.5 | 338.4 | 534 | 23.1 | 78 | 14.8 | 342.9 | 532 | 23.4 | 84 | 16.2 | 347.3 | 552 | 950 |
| 975 | 24.7 | 82 | 16.7 | 347.6 | 333 | 24.5 | 78 | 15.6 | 344.2 | 306 | 24.9 | 78 | 16.0 | 345.9 | 304 | 24.9 | 83 | 17.2 | 349.1 | 324 | 975 |
| 1000 | 26.3 | 84 | 18.3 | 351.4 | 109 | 26.6 | 80 | 17.9 | 350.6 | 82 | 26.6 | 78 | 17.3 | 349.1 | 80 | 26.4 | 82 | 18.1 | 350.9 | 100 | 1000 |
| SFC. | 27.0 | 85 | 19.2 | 353.4 | 0 | 27.4 | 81 | 18.8 | 353.1 | 0 | 27.2 | 78 | 17.8 | 350.3 | 0 | 27.0 | 82 | 18.5 | 351.7 | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1012.4 | SURFACE PRESSURE | | | | 1009.3 | SURFACE PRESSURE | | | | 1009.1 | SURFACE PRESSURE | | | | 1011.3 | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/19 915 GMT | | | | | 3/19 1116 GMT | | | | | 3/19 1812 GMT | | | | | 3/20 025 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.7 | 0 | 0.0 | 452.7 | 19448 | -66.5 | 21 | .0 | 462.2 | 19455 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.5 | 0 | 0.0 | 431.5 | 18538 | -71.2 | 22 | .0 | 432.1 | 18540 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.2 | 0 | 0.0 | 407.6 | 17753 | -68.5 | 24 | .0 | 421.4 | 17745 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -81.6 | 0 | 0.0 | 381.4 | 17081 | -78.5 | 24 | .0 | 387.6 | 17056 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -80.7 | 0 | 0.0 | 371.8 | 16492 | -81.7 | 24 | .0 | 369.9 | 16464 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.1 | 0 | 0.0 | 366.6 | 15951 | -78.9 | 24 | .0 | 365.3 | 15926 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.8 | 0 | 0.0 | 361.9 | 15452 | -75.9 | 24 | .0 | 361.7 | 15427 | -75.6 | 0 | 0.0 | 362.3 | 15461 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.7 | 0 | 0.0 | 357.6 | 14986 | -73.2 | 24 | .0 | 358.3 | 14962 | -72.5 | 0 | 0.0 | 359.6 | 14994 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.7 | 0 | 0.0 | 353.5 | 14551 | -70.7 | 24 | .0 | 355.2 | 14525 | -69.6 | 0 | 0.0 | 357.1 | 14556 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.7 | 0 | 0.0 | 351.7 | 14142 | -68.4 | 24 | .0 | 352.3 | 14114 | -67.0 | 0 | 0.0 | 354.7 | 14142 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.7 | 0 | 0.0 | 350.3 | 13752 | -65.9 | 24 | .0 | 350.1 | 13725 | -64.5 | 0 | 0.0 | 352.5 | 13750 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.9 | 0 | 0.0 | 349.0 | 13382 | -63.2 | 24 | .0 | 348.5 | 13354 | -62.1 | 0 | 0.0 | 350.3 | 13377 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.2 | 0 | 0.0 | 347.7 | 13027 | -60.7 | 24 | .0 | 347.0 | 13001 | -59.9 | 0 | 0.0 | 348.3 | 13022 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.7 | 0 | 0.0 | 346.4 | 12688 | -58.3 | 25 | .0 | 345.5 | 12663 | -57.8 | 0 | 0.0 | 346.3 | 12683 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.3 | 0 | 0.0 | 345.2 | 12363 | -56.1 | 25 | .0 | 344.1 | 12338 | -55.6 | 0 | 0.0 | 344.8 | 12358 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -49.8 | 0 | 0.0 | 342.2 | 11602 | -50.0 | 26 | .0 | 342.1 | 11580 | -49.0 | 0 | 0.0 | 343.5 | 11596 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.9 | 0 | 0.0 | 340.8 | 10904 | -43.8 | 28 | .1 | 341.3 | 10882 | -43.1 | 0 | 0.0 | 342.1 | 10895 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -38.3 | 37 | .2 | 340.5 | 10256 | -38.2 | 29 | .1 | 340.5 | 10234 | -37.9 | 22 | .1 | 340.8 | 10245 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -33.0 | 51 | .4 | 340.5 | 9651 | -34.3 | 38 | .3 | 338.1 | 9629 | -33.5 | 25 | .2 | 338.9 | 9640 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -28.3 | 53 | .6 | 339.9 | 9082 | -31.3 | 47 | .4 | 335.1 | 9066 | -29.5 | 28 | .3 | 337.2 | 9074 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -24.0 | 41 | .6 | 338.9 | 8546 | -26.5 | 41 | .5 | 334.9 | 8536 | -25.7 | 31 | .4 | 335.7 | 8541 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -20.1 | 30 | .6 | 337.3 | 8039 | -21.9 | 33 | .6 | 334.9 | 8033 | -21.3 | 17 | .3 | 334.6 | 8036 | 375 |
| 400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -17.3 | 30 | .7 | 335.2 | 7557 | -17.8 | 28 | .7 | 334.3 | 7554 | -17.0 | 15 | .4 | 334.4 | 7556 | 400 |
| 425 | 0.0 | 0 | 0.0 | 0.0 | 0 | -14.6 | 50 | 1.4 | 335.4 | 7101 | -14.3 | 24 | .7 | 333.3 | 7098 | -12.9 | 14 | .5 | 334.2 | 7098 | 425 |
| 450 | 0.0 | 0 | 0.0 | 0.0 | 0 | -11.1 | 36 | 1.3 | 334.0 | 6665 | -11.8 | 28 | 1.0 | 331.9 | 6662 | -10.3 | 18 | .7 | 333.0 | 6660 | 450 |
| 475 | -7.8 | 32 | 1.4 | 333.3 | 6285 | -8.0 | 26 | 1.2 | 332.3 | 6247 | -9.0 | 28 | 1.1 | 330.8 | 6246 | -7.7 | 20 | .9 | 331.7 | 6241 | 475 |
| 500 | -5.2 | 25 | 1.3 | 331.4 | 5884 | -5.5 | 25 | 1.2 | 330.8 | 5846 | -6.4 | 27 | 1.3 | 329.8 | 5847 | -5.2 | 19 | 1.0 | 330.3 | 5840 | 500 |
| 525 | -2.7 | 19 | 1.2 | 329.3 | 5499 | -3.1 | 23 | 1.3 | 329.4 | 5462 | -3.9 | 27 | 1.5 | 328.9 | 5464 | -2.8 | 18 | 1.1 | 328.9 | 5456 | 525 |
| 550 | -1.2 | 80 | 5.1 | 339.1 | 5129 | -2.6 | 96 | 5.5 | 338.7 | 5094 | -1.6 | 30 | 1.9 | 328.5 | 5095 | -.5 | 17 | 1.1 | 327.5 | 5086 | 550 |
| 575 | 1.3 | 95 | 7.0 | 343.9 | 4772 | -.6 | 98 | 6.3 | 339.1 | 4740 | -1.9 | 66 | 3.8 | 330.1 | 4741 | 1.6 | 19 | 1.4 | 326.9 | 4729 | 575 |
| 600 | 3.3 | 85 | 6.8 | 341.6 | 4427 | 1.7 | 71 | 5.1 | 334.5 | 4397 | .6 | 63 | 4.2 | 330.3 | 4400 | 2.9 | 39 | 3.1 | 329.6 | 4385 | 600 |
| 625 | 5.3 | 46 | 4.1 | 331.7 | 4095 | 4.2 | 36 | 2.9 | 326.9 | 4067 | 3.0 | 60 | 4.6 | 330.4 | 4071 | 4.4 | 29 | 2.4 | 325.5 | 4054 | 625 |
| 650 | 7.2 | 27 | 2.7 | 325.9 | 3773 | 6.3 | 34 | 3.1 | 326.2 | 3746 | 5.8 | 31 | 2.8 | 324.7 | 3751 | 6.5 | 25 | 2.3 | 324.0 | 3733 | 650 |
| 675 | 8.5 | 27 | 2.7 | 324.2 | 3462 | 8.1 | 33 | 3.3 | 325.4 | 3436 | 8.1 | 29 | 3.0 | 324.4 | 3441 | 8.5 | 21 | 2.2 | 322.4 | 3423 | 675 |
| 700 | 10.3 | 28 | 3.2 | 324.3 | 3160 | 9.7 | 33 | 3.5 | 324.6 | 3135 | 10.1 | 28 | 3.1 | 323.6 | 3140 | 10.4 | 18 | 2.0 | 320.8 | 3121 | 700 |
| 725 | 12.7 | 22 | 2.7 | 322.3 | 2867 | 11.2 | 33 | 3.8 | 323.9 | 2843 | 10.9 | 26 | 2.9 | 320.9 | 2848 | 11.9 | 18 | 2.2 | 319.6 | 2829 | 725 |
| 750 | 14.2 | 27 | 3.7 | 323.8 | 2582 | 12.7 | 33 | 4.1 | 323.2 | 2559 | 12.8 | 26 | 3.2 | 320.6 | 2564 | 13.3 | 18 | 2.3 | 318.5 | 2545 | 750 |
| 775 | 13.8 | 64 | 8.1 | 333.2 | 2305 | 13.9 | 40 | 5.2 | 324.8 | 2283 | 14.7 | 25 | 3.4 | 320.4 | 2288 | 14.7 | 18 | 2.4 | 317.5 | 2269 | 775 |
| 800 | 14.0 | 88 | 11.1 | 338.6 | 2037 | 14.6 | 58 | 7.6 | 329.6 | 2015 | 15.3 | 37 | 5.0 | 323.0 | 2019 | 16.0 | 18 | 2.6 | 316.5 | 2000 | 800 |
| 825 | 15.7 | 84 | 11.4 | 338.6 | 1776 | 15.3 | 75 | 10.0 | 334.4 | 1754 | 14.8 | 61 | 7.8 | 327.5 | 1759 | 15.9 | 47 | 6.4 | 324.8 | 1739 | 825 |
| 850 | 17.3 | 80 | 11.7 | 338.4 | 1521 | 16.3 | 85 | 11.8 | 337.5 | 1499 | 15.6 | 72 | 9.4 | 330.0 | 1505 | 16.1 | 70 | 9.6 | 331.1 | 1485 | 850 |
| 875 | 18.9 | 78 | 12.2 | 339.0 | 1272 | 17.6 | 88 | 12.8 | 339.0 | 1251 | 17.3 | 73 | 10.4 | 331.8 | 1258 | 18.1 | 71 | 10.7 | 333.7 | 1237 | 875 |
| 900 | 20.4 | 79 | 13.3 | 341.1 | 1029 | 18.9 | 90 | 13.9 | 340.6 | 1009 | 18.9 | 74 | 11.4 | 333.8 | 1016 | 19.9 | 73 | 11.9 | 336.5 | 994 | 900 |
| 925 | 21.4 | 85 | 14.9 | 344.0 | 790 | 20.1 | 92 | 15.0 | 342.4 | 772 | 20.2 | 75 | 12.1 | 334.7 | 780 | 21.7 | 74 | 13.1 | 339.4 | 756 | 925 |
| 950 | 22.2 | 93 | 16.6 | 346.8 | 558 | 21.5 | 94 | 16.1 | 344.3 | 540 | 21.4 | 76 | 12.9 | 335.7 | 549 | 23.5 | 75 | 14.5 | 342.6 | 523 | 950 |
| 975 | 23.9 | 89 | 17.2 | 348.0 | 331 | 23.6 | 89 | 17.1 | 347.1 | 313 | 23.2 | 75 | 13.8 | 337.8 | 322 | 25.2 | 76 | 15.9 | 346.0 | 295 | 975 |
| 1000 | 25.6 | 85 | 17.8 | 349.1 | 107 | 25.7 | 86 | 18.0 | 349.8 | 90 | 25.6 | 73 | 15.1 | 341.8 | 100 | 26.9 | 77 | 17.3 | 349.5 | 71 | 1000 |
| SFC. | 26.4 | 83 | 18.1 | 349.6 | 0 | 26.5 | 84 | 18.4 | 350.9 | 0 | 27.3 | 79 | 18.1 | 351.1 | 0 | 27.4 | 77 | 17.8 | 350.7 | 0 | SFC. |
| | SURFACE PRESSURE 1012.2 | | | | | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1011.3 | | | | | SURFACE PRESSURE 1008.0 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — SHIP SURVEYOR

| P | 3/20 533 GMT T | RH | W | EPT | H | 3/20 1218 GMT T | RH | W | EPT | H | 3/20 1558 GMT T | RH | W | EPT | H | 3/20 1920 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.3 | 35 | .0 | 467.2 | 19526 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 35 | .0 | 431.7 | 18601 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 36 | .0 | 415.5 | 17812 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 37 | .0 | 391.4 | 17125 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.1 | 37 | .0 | 376.9 | 16523 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.9 | 37 | .0 | 370.9 | 15975 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.9 | 36 | .0 | 365.4 | 15470 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.1 | 36 | .0 | 360.5 | 15001 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.4 | 36 | .0 | 357.5 | 14562 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.9 | 24 | .0 | 353.1 | 14083 | -66.8 | 36 | .0 | 355.1 | 14147 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.2 | 25 | .0 | 351.2 | 13693 | -63.7 | 36 | .0 | 353.8 | 13755 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.7 | 26 | .0 | 349.4 | 13321 | -60.6 | 36 | .0 | 353.0 | 13380 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.3 | 27 | .0 | 347.6 | 12967 | -60.0 | 37 | .0 | 348.2 | 13024 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.1 | 27 | .0 | 346.0 | 12628 | -59.2 | 38 | .0 | 344.1 | 12686 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.9 | 28 | .0 | 344.3 | 12304 | -56.6 | 38 | .0 | 343.3 | 12362 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -50.3 | 30 | .1 | 341.7 | 11545 | -50.3 | 38 | .1 | 341.8 | 11605 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -44.5 | 33 | .1 | 340.4 | 10849 | -44.1 | 39 | .1 | 341.1 | 10907 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -39.0 | 37 | .2 | 339.4 | 10203 | -38.5 | 40 | .2 | 340.3 | 10260 | 275 |
| 300 | -35.2 | 61 | .4 | 337.3 | 9602 | 0.0 | 0 | 0.0 | 0.0 | 0 | -34.3 | 60 | .4 | 338.6 | 9600 | -33.4 | 41 | .3 | 339.6 | 9655 | 300 |
| 325 | -30.9 | 38 | .3 | 335.5 | 9039 | 0.0 | 0 | 0.0 | 0.0 | 0 | -30.3 | 73 | .7 | 337.5 | 9035 | -28.7 | 42 | .5 | 339.0 | 9088 | 325 |
| 350 | -26.6 | 27 | .3 | 334.2 | 8509 | 0.0 | 0 | 0.0 | 0.0 | 0 | -25.9 | 67 | .9 | 337.1 | 8503 | -24.3 | 43 | .7 | 338.5 | 8552 | 350 |
| 375 | -22.3 | 26 | .4 | 333.9 | 8006 | 0.0 | 0 | 0.0 | 0.0 | 0 | -22.9 | 69 | 1.1 | 335.3 | 8000 | -22.0 | 52 | .9 | 335.9 | 8047 | 375 |
| 400 | -17.8 | 10 | .2 | 332.8 | 7528 | 0.0 | 0 | 0.0 | 0.0 | 0 | -20.2 | 29 | .6 | 330.8 | 7525 | -17.1 | 42 | 1.1 | 336.6 | 7567 | 400 |
| 425 | -15.1 | 10 | .3 | 330.7 | 7072 | 0.0 | 0 | 0.0 | 0.0 | 0 | -16.2 | 23 | .6 | 330.4 | 7072 | -16.1 | 46 | 1.2 | 332.5 | 7112 | 425 |
| 450 | -12.3 | 33 | 1.1 | 331.7 | 6638 | 0.0 | 0 | 0.0 | 0.0 | 0 | -13.4 | 33 | 1.0 | 330.0 | 6639 | -12.8 | 48 | 1.5 | 332.6 | 6678 | 450 |
| 475 | -9.9 | 40 | 1.5 | 330.9 | 6223 | 0.0 | 0 | 0.0 | 0.0 | 0 | -10.0 | 35 | 1.3 | 330.2 | 6225 | -10.4 | 56 | 2.1 | 332.1 | 6264 | 475 |
| 500 | -6.7 | 18 | .8 | 327.9 | 5824 | 0.0 | 0 | 0.0 | 0.0 | 0 | -8.0 | 46 | 1.9 | 329.9 | 5828 | -7.5 | 58 | 2.5 | 332.5 | 5866 | 500 |
| 525 | -4.7 | 22 | 1.2 | 326.9 | 5442 | 0.0 | 0 | 0.0 | 0.0 | 0 | -5.9 | 59 | 2.8 | 330.6 | 5447 | -4.6 | 58 | 3.0 | 332.8 | 5484 | 525 |
| 550 | -2.1 | 14 | .9 | 324.7 | 5074 | 0.0 | 0 | 0.0 | 0.0 | 0 | -3.6 | 63 | 3.4 | 330.9 | 5080 | -2.0 | 57 | 3.4 | 332.9 | 5116 | 550 |
| 575 | -.9 | 31 | 1.9 | 325.4 | 4720 | 0.0 | 0 | 0.0 | 0.0 | 0 | -1.5 | 77 | 4.6 | 332.9 | 4727 | .4 | 57 | 3.9 | 333.1 | 4760 | 575 |
| 600 | .9 | 57 | 3.9 | 329.6 | 4379 | 1.3 | 96 | 6.8 | 338.8 | 4395 | 1.0 | 77 | 5.2 | 333.9 | 4386 | 2.8 | 56 | 4.4 | 333.5 | 4417 | 600 |
| 625 | 3.1 | 77 | 5.9 | 334.5 | 4049 | 3.8 | 85 | 6.9 | 338.3 | 4064 | 3.4 | 76 | 5.9 | 335.0 | 4056 | 5.0 | 56 | 4.9 | 333.9 | 4085 | 625 |
| 650 | 5.2 | 42 | 3.6 | 326.4 | 3730 | 6.2 | 75 | 6.9 | 337.4 | 3743 | 5.6 | 65 | 5.7 | 333.2 | 3736 | 6.9 | 54 | 5.1 | 333.0 | 3763 | 650 |
| 675 | 7.3 | 15 | 1.4 | 318.5 | 3421 | 7.8 | 74 | 7.3 | 337.1 | 3432 | 7.4 | 63 | 6.0 | 332.7 | 3426 | 7.9 | 62 | 6.2 | 333.8 | 3452 | 675 |
| 700 | 9.0 | 14 | 1.5 | 317.4 | 3121 | 9.1 | 78 | 8.1 | 337.4 | 3131 | 9.2 | 60 | 6.3 | 332.2 | 3125 | 9.3 | 57 | 6.0 | 331.4 | 3151 | 700 |
| 725 | 10.4 | 16 | 1.7 | 316.5 | 2830 | 10.6 | 46 | 5.0 | 326.8 | 2839 | 10.8 | 45 | 5.0 | 327.0 | 2833 | 11.0 | 57 | 6.4 | 331.4 | 2859 | 725 |
| 750 | 11.5 | 18 | 2.1 | 315.8 | 2547 | 12.3 | 26 | 3.1 | 319.8 | 2556 | 11.9 | 26 | 3.1 | 319.3 | 2549 | 12.0 | 59 | 6.9 | 330.6 | 2575 | 750 |
| 775 | 12.6 | 21 | 2.4 | 315.2 | 2273 | 13.2 | 33 | 4.0 | 320.5 | 2280 | 12.8 | 24 | 2.8 | 316.6 | 2275 | 13.8 | 46 | 5.9 | 326.8 | 2300 | 775 |
| 800 | 13.7 | 23 | 2.8 | 314.6 | 2006 | 13.4 | 57 | 6.9 | 326.1 | 2013 | 13.1 | 48 | 5.6 | 322.3 | 2008 | 15.3 | 47 | 6.5 | 327.1 | 2031 | 800 |
| 825 | 13.9 | 81 | 9.8 | 331.9 | 1747 | 13.7 | 95 | 11.5 | 336.3 | 1753 | 13.1 | 93 | 10.7 | 333.5 | 1749 | 15.6 | 53 | 7.1 | 326.5 | 1770 | 825 |
| 850 | 14.3 | 93 | 11.3 | 333.6 | 1494 | 15.6 | 89 | 11.8 | 336.4 | 1500 | 15.0 | 89 | 11.2 | 334.2 | 1496 | 16.3 | 60 | 8.3 | 327.6 | 1516 | 850 |
| 875 | 15.4 | 92 | 11.7 | 333.1 | 1248 | 17.3 | 83 | 12.0 | 336.3 | 1253 | 16.8 | 84 | 11.7 | 334.9 | 1249 | 17.6 | 68 | 9.9 | 331.0 | 1268 | 875 |
| 900 | 16.4 | 92 | 12.1 | 332.6 | 1008 | 19.1 | 81 | 12.6 | 337.6 | 1010 | 18.6 | 80 | 12.1 | 335.3 | 1008 | 19.3 | 65 | 10.3 | 331.2 | 1026 | 900 |
| 925 | 18.8 | 89 | 13.3 | 336.2 | 773 | 20.9 | 81 | 13.8 | 340.1 | 773 | 20.3 | 76 | 12.4 | 335.7 | 771 | 20.4 | 75 | 12.3 | 335.4 | 790 | 925 |
| 950 | 21.2 | 87 | 14.7 | 340.2 | 542 | 22.6 | 82 | 15.0 | 342.7 | 541 | 22.0 | 72 | 12.7 | 335.9 | 539 | 21.4 | 87 | 14.8 | 341.0 | 558 | 950 |
| 975 | 23.6 | 84 | 16.1 | 344.3 | 315 | 24.2 | 82 | 16.2 | 345.5 | 313 | 23.7 | 73 | 13.9 | 338.6 | 313 | 23.7 | 77 | 14.6 | 340.6 | 331 | 975 |
| 1000 | 25.9 | 82 | 17.5 | 348.5 | 92 | 25.9 | 82 | 17.5 | 348.5 | 90 | 25.7 | 75 | 15.9 | 343.9 | 90 | 26.0 | 75 | 16.0 | 344.6 | 108 | 1000 |
| SFC. | 26.8 | 81 | 18.1 | 350.3 | 0 | 26.5 | 82 | 18.0 | 349.7 | 0 | 26.6 | 75 | 16.5 | 345.8 | 0 | 27.2 | 77 | 17.5 | 349.2 | 0 | SFC. |
| | SURFACE PRESSURE 1010.4 | | | | | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1010.2 | | | | | SURFACE PRESSURE 1012.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/20 2120 GMT T | RH | W | EPT | H | 3/21 0 0 GMT T | RH | W | EPT | H | 3/21 4 3 GMT T | RH | W | EPT | H | 3/21 616 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 0 | 0.0 | 389.4 | 17116 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.1 | 0 | 0.0 | 376.8 | 16514 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.4 | 0 | 0.0 | 368.1 | 15969 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 0 | 0.0 | 363.6 | 15467 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.6 | 0 | 0.0 | 359.4 | 15000 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.0 | 0 | 0.0 | 356.5 | 14562 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.3 | 0 | 0.0 | 354.1 | 14149 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.8 | 0 | 0.0 | 351.8 | 13758 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.5 | 0 | 0.0 | 349.7 | 13386 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -60.2 | 0 | 0.0 | 347.7 | 13031 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -57.8 | 0 | 0.0 | 346.4 | 12692 | -59.3 | 35 | .0 | 344.0 | 12635 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.4 | 0 | 0.0 | 345.0 | 12367 | -57.0 | 35 | .0 | 342.6 | 12312 | -57.1 | 39 | .0 | 342.6 | 12325 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -50.0 | 0 | 0.0 | 341.9 | 11607 | -51.3 | 32 | .0 | 340.1 | 11557 | -51.3 | 43 | .1 | 340.2 | 11569 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.7 | 0 | 0.0 | 341.1 | 10908 | -45.3 | 33 | .1 | 339.2 | 10863 | -46.1 | 46 | .1 | 338.0 | 10877 | 250 |
| 275 | -37.9 | 16 | .1 | 340.7 | 10266 | -38.1 | 19 | .1 | 340.5 | 10260 | -39.7 | 40 | .2 | 338.5 | 10219 | -39.9 | 44 | .2 | 338.2 | 10234 | 275 |
| 300 | -32.6 | 15 | .1 | 340.0 | 9659 | -33.1 | 19 | .2 | 339.4 | 9655 | -34.4 | 50 | .3 | 338.3 | 9618 | -34.2 | 42 | .3 | 338.3 | 9633 | 300 |
| 325 | -27.7 | 14 | .2 | 339.3 | 9090 | -28.5 | 20 | .2 | 338.3 | 9087 | -29.4 | 52 | .5 | 338.2 | 9052 | -29.2 | 43 | .5 | 338.2 | 9066 | 325 |
| 350 | -24.0 | 21 | .3 | 337.7 | 8553 | -24.3 | 20 | .3 | 337.3 | 8551 | -26.6 | 71 | .9 | 336.2 | 8520 | -25.8 | 57 | .8 | 336.8 | 8533 | 350 |
| 375 | -20.6 | 28 | .5 | 336.4 | 8046 | -20.7 | 27 | .5 | 336.2 | 8044 | -22.7 | 57 | .9 | 335.0 | 8017 | -23.0 | 86 | 1.4 | 336.0 | 8031 | 375 |
| 400 | -18.3 | 37 | .8 | 334.3 | 7566 | -17.9 | 41 | 1.0 | 335.2 | 7564 | -18.5 | 58 | 1.3 | 335.6 | 7540 | -18.8 | 65 | 1.4 | 335.5 | 7553 | 400 |
| 425 | -15.4 | 33 | .9 | 332.5 | 7111 | -13.6 | 28 | .9 | 334.8 | 7107 | -15.6 | 42 | 1.1 | 333.0 | 7085 | -15.7 | 47 | 1.3 | 333.3 | 7099 | 425 |
| 450 | -12.1 | 24 | .8 | 331.0 | 6677 | -11.5 | 21 | .7 | 331.5 | 6670 | -12.6 | 41 | 1.3 | 332.0 | 6651 | -12.7 | 36 | 1.1 | 331.4 | 6665 | 450 |
| 475 | -8.5 | 20 | .8 | 330.5 | 6260 | -8.5 | 29 | 1.2 | 331.9 | 6253 | -9.3 | 36 | 1.4 | 331.4 | 6236 | -9.7 | 33 | 1.3 | 330.5 | 6250 | 475 |
| 500 | -6.0 | 30 | 1.4 | 330.8 | 5860 | -5.6 | 37 | 1.8 | 332.6 | 5853 | -6.2 | 31 | 1.5 | 330.7 | 5837 | -6.8 | 30 | 1.4 | 329.6 | 5852 | 500 |
| 525 | -3.7 | 37 | 2.0 | 331.0 | 5477 | -3.4 | 40 | 2.2 | 332.0 | 5469 | -4.2 | 50 | 2.7 | 332.4 | 5453 | -5.6 | 59 | 2.8 | 331.1 | 5470 | 525 |
| 550 | -1.7 | 41 | 2.5 | 330.4 | 5108 | -1.3 | 43 | 2.7 | 331.5 | 5099 | -3.2 | 83 | 4.6 | 335.0 | 5085 | -3.9 | 94 | 4.9 | 335.1 | 5104 | 550 |
| 575 | .4 | 43 | 2.9 | 330.1 | 4753 | .7 | 45 | 3.1 | 331.2 | 4744 | -.7 | 76 | 4.8 | 334.6 | 4731 | -1.2 | 85 | 5.2 | 335.3 | 4750 | 575 |
| 600 | 2.7 | 41 | 3.2 | 329.8 | 4410 | 3.4 | 43 | 3.5 | 331.4 | 4400 | 1.9 | 64 | 4.7 | 333.3 | 4389 | 1.6 | 70 | 5.0 | 334.0 | 4408 | 600 |
| 625 | 4.4 | 44 | 3.7 | 329.6 | 4078 | 6.0 | 41 | 3.8 | 331.6 | 4067 | 4.6 | 59 | 5.0 | 333.8 | 4058 | 4.3 | 55 | 4.6 | 332.0 | 4078 | 625 |
| 650 | 6.4 | 42 | 3.9 | 328.7 | 3757 | 8.4 | 38 | 4.1 | 331.8 | 3744 | 6.6 | 52 | 4.9 | 332.1 | 3736 | 6.1 | 55 | 5.0 | 331.8 | 3757 | 650 |
| 675 | 8.7 | 35 | 3.6 | 327.1 | 3446 | 10.0 | 40 | 4.6 | 331.6 | 3431 | 8.0 | 49 | 4.9 | 330.1 | 3425 | 7.5 | 61 | 5.9 | 332.5 | 3446 | 675 |
| 700 | 10.9 | 28 | 3.3 | 325.2 | 3144 | 11.2 | 44 | 5.3 | 331.7 | 3128 | 8.5 | 76 | 7.5 | 334.9 | 3125 | 9.0 | 66 | 6.8 | 333.5 | 3146 | 700 |
| 725 | 12.5 | 29 | 3.6 | 324.8 | 2851 | 11.4 | 62 | 7.2 | 334.3 | 2835 | 10.4 | 70 | 7.6 | 334.1 | 2833 | 10.6 | 70 | 7.7 | 334.7 | 2853 | 725 |
| 750 | 13.1 | 40 | 5.0 | 326.5 | 2566 | 12.9 | 32 | 3.9 | 322.9 | 2550 | 12.4 | 68 | 8.2 | 334.9 | 2549 | 12.1 | 73 | 8.7 | 336.0 | 2570 | 750 |
| 775 | 14.6 | 33 | 4.4 | 323.2 | 2290 | 13.5 | 40 | 5.0 | 323.6 | 2275 | 14.7 | 35 | 4.7 | 324.4 | 2273 | 12.4 | 90 | 10.5 | 338.2 | 2294 | 775 |
| 800 | 14.2 | 50 | 6.4 | 325.6 | 2022 | 14.2 | 54 | 6.9 | 327.1 | 2007 | 15.9 | 33 | 4.6 | 322.4 | 2004 | 14.5 | 56 | 7.2 | 328.3 | 2026 | 800 |
| 825 | 14.9 | 61 | 7.9 | 327.7 | 1761 | 15.0 | 68 | 8.9 | 330.6 | 1746 | 16.3 | 51 | 7.2 | 327.5 | 1742 | 14.9 | 86 | 11.2 | 337.2 | 1765 | 825 |
| 850 | 16.4 | 63 | 8.7 | 329.0 | 1508 | 16.6 | 66 | 9.3 | 330.7 | 1492 | 16.9 | 68 | 9.7 | 332.4 | 1488 | 16.0 | 89 | 12.1 | 338.0 | 1511 | 850 |
| 875 | 17.7 | 55 | 8.0 | 325.9 | 1260 | 18.1 | 64 | 9.6 | 330.8 | 1244 | 17.6 | 70 | 10.2 | 331.7 | 1240 | 17.8 | 86 | 12.6 | 338.7 | 1263 | 875 |
| 900 | 19.4 | 57 | 9.0 | 327.8 | 1018 | 19.6 | 62 | 10.0 | 330.8 | 1002 | 18.1 | 80 | 11.7 | 333.7 | 998 | 19.5 | 82 | 13.2 | 339.4 | 1021 | 900 |
| 925 | 21.0 | 61 | 10.3 | 330.6 | 781 | 21.4 | 62 | 10.8 | 332.5 | 765 | 19.1 | 89 | 13.5 | 337.2 | 762 | 21.1 | 79 | 13.6 | 340.0 | 783 | 925 |
| 950 | 22.7 | 65 | 11.9 | 334.5 | 550 | 23.2 | 62 | 11.7 | 334.7 | 533 | 21.1 | 88 | 14.8 | 340.6 | 531 | 22.7 | 76 | 14.1 | 340.5 | 551 | 950 |
| 975 | 24.5 | 69 | 13.8 | 339.3 | 322 | 24.9 | 62 | 12.7 | 336.9 | 305 | 23.6 | 84 | 16.1 | 344.5 | 304 | 24.3 | 73 | 14.4 | 340.8 | 323 | 975 |
| 1000 | 26.2 | 73 | 15.9 | 344.7 | 99 | 26.8 | 71 | 16.0 | 345.7 | 81 | 26.0 | 80 | 17.3 | 348.3 | 81 | 25.8 | 74 | 15.6 | 343.3 | 100 | 1000 |
| SFC. | 27.0 | 75 | 16.9 | 347.3 | 0 | 27.5 | 75 | 17.4 | 349.6 | 0 | 26.9 | 79 | 17.7 | 349.7 | 0 | 26.4 | 78 | 17.0 | 346.6 | 0 | SFC. |
| | SURFACE PRESSURE 1011.2 | | | | | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1011.4 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/21 9 0 GMT | | | | | 3/21 1132 GMT | | | | | 3/21 1513 GMT | | | | | 3/21 1828 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.5 | 0 | 0.0 | 457.6 | 19435 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 0 | 0.0 | 431.6 | 18519 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.8 | 0 | 0.0 | 412.6 | 17733 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.0 | 0 | 0.0 | 386.6 | 17053 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.9 | 0 | 0.0 | 375.4 | 16454 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.8 | 0 | 0.0 | 365.5 | 15912 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 19 | .0 | 369.6 | 15968 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 0 | 0.0 | 358.7 | 15416 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.2 | 19 | .0 | 361.2 | 15466 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.0 | 0 | 0.0 | 356.9 | 14953 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.1 | 19 | .0 | 358.5 | 15001 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.8 | 0 | 0.0 | 355.2 | 14518 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.7 | 19 | .0 | 357.1 | 14564 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.7 | 0 | 0.0 | 353.5 | 14106 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.4 | 19 | .0 | 355.7 | 14149 | 150 |
| 160 | -65.6 | 40 | .0 | 350.7 | 13721 | -64.9 | 0 | 0.0 | 351.8 | 13715 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.3 | 20 | .0 | 352.7 | 13756 | 160 |
| 170 | -62.3 | 40 | .0 | 350.1 | 13349 | -62.2 | 0 | 0.0 | 350.2 | 13342 | -60.2 | 17 | .0 | 353.5 | 13333 | -61.8 | 20 | .0 | 350.8 | 13384 | 170 |
| 180 | -59.3 | 41 | .0 | 349.4 | 12994 | -59.7 | 0 | 0.0 | 348.6 | 12987 | -58.7 | 20 | .0 | 350.3 | 12976 | -58.7 | 19 | .0 | 350.2 | 13027 | 180 |
| 190 | -57.5 | 43 | .0 | 347.0 | 12653 | -57.3 | 0 | 0.0 | 347.1 | 12647 | -57.3 | 23 | .0 | 347.2 | 12635 | -55.8 | 19 | .0 | 349.6 | 12685 | 190 |
| 200 | -56.5 | 47 | .0 | 343.6 | 12329 | -55.0 | 0 | 0.0 | 345.6 | 12321 | -56.0 | 26 | .0 | 344.3 | 12310 | -53.8 | 19 | .0 | 347.8 | 12357 | 200 |
| 225 | -52.0 | 55 | .1 | 339.2 | 11575 | -51.4 | 0 | 0.0 | 339.8 | 11563 | -50.0 | 48 | .1 | 342.3 | 11551 | -49.0 | 19 | .0 | 343.5 | 11593 | 225 |
| 250 | -46.2 | 54 | .1 | 338.0 | 10884 | -45.2 | 0 | 0.0 | 338.9 | 10870 | -44.0 | 69 | .2 | 341.5 | 10853 | -44.1 | 21 | .1 | 340.8 | 10894 | 250 |
| 275 | -40.2 | 48 | .2 | 337.9 | 10242 | -39.6 | 48 | .2 | 338.7 | 10225 | -39.2 | 50 | .2 | 339.4 | 10207 | -38.9 | 24 | .1 | 339.4 | 10247 | 275 |
| 300 | -35.3 | 47 | .3 | 336.8 | 9642 | -35.3 | 50 | .3 | 336.9 | 9625 | -34.8 | 35 | .2 | 337.2 | 9605 | -34.2 | 28 | .2 | 337.9 | 9644 | 300 |
| 325 | -30.7 | 60 | .5 | 336.5 | 9079 | -30.7 | 76 | .7 | 337.0 | 9062 | -30.5 | 53 | .5 | 336.5 | 9042 | -30.6 | 36 | .3 | 335.8 | 9080 | 325 |
| 350 | -26.6 | 89 | 1.1 | 336.9 | 8548 | -26.2 | 88 | 1.1 | 337.5 | 8530 | -26.4 | 56 | .7 | 335.8 | 8510 | -26.8 | 40 | .5 | 334.4 | 8550 | 350 |
| 375 | -22.4 | 97 | 1.6 | 337.8 | 8045 | -22.5 | 89 | 1.5 | 337.2 | 8027 | -23.2 | 66 | 1.0 | 334.8 | 8009 | -22.6 | 38 | .6 | 334.0 | 8048 | 375 |
| 400 | -18.6 | 68 | 1.5 | 336.2 | 7567 | -19.2 | 87 | 1.8 | 336.5 | 7550 | -19.0 | 57 | 1.2 | 334.7 | 7532 | -18.7 | 35 | .8 | 333.5 | 7570 | 400 |
| 425 | -15.4 | 30 | .8 | 332.2 | 7112 | -16.0 | 85 | 2.2 | 336.0 | 7096 | -16.3 | 86 | 2.1 | 335.4 | 7078 | -15.3 | 37 | 1.0 | 333.0 | 7115 | 425 |
| 450 | -12.4 | 26 | .9 | 330.7 | 6678 | -14.0 | 52 | 1.5 | 330.9 | 6663 | -13.8 | 64 | 1.9 | 332.4 | 6645 | -12.6 | 45 | 1.5 | 332.6 | 6681 | 450 |
| 475 | -9.7 | 23 | .9 | 329.2 | 6263 | -11.5 | 60 | 2.0 | 330.5 | 6250 | -11.3 | 34 | 1.1 | 328.0 | 6233 | -10.7 | 34 | 1.2 | 328.9 | 6266 | 475 |
| 500 | -7.4 | 36 | 1.6 | 329.5 | 5865 | -8.9 | 53 | 2.1 | 329.3 | 5855 | -8.8 | 48 | 1.9 | 328.6 | 5837 | -7.7 | 33 | 1.4 | 328.6 | 5870 | 500 |
| 525 | -6.4 | 60 | 2.7 | 329.7 | 5484 | -6.3 | 47 | 2.1 | 328.1 | 5475 | -7.0 | 90 | 3.9 | 332.7 | 5457 | -4.8 | 32 | 1.6 | 328.3 | 5488 | 525 |
| 550 | -3.6 | 74 | 3.9 | 332.6 | 5118 | -3.7 | 84 | 4.5 | 334.2 | 5109 | -3.8 | 62 | 3.2 | 330.2 | 5092 | -2.0 | 31 | 1.9 | 328.0 | 5120 | 550 |
| 575 | -.6 | 52 | 3.3 | 330.1 | 4764 | -.3 | 45 | 2.9 | 329.4 | 4755 | -.5 | 21 | 1.4 | 324.1 | 4739 | -.1 | 45 | 3.0 | 329.7 | 4765 | 575 |
| 600 | 1.8 | 54 | 3.9 | 330.9 | 4422 | 2.1 | 52 | 3.9 | 331.2 | 4413 | 1.9 | 34 | 2.5 | 326.6 | 4397 | 2.5 | 43 | 3.3 | 329.7 | 4423 | 600 |
| 625 | 4.1 | 52 | 4.3 | 330.9 | 4092 | 4.9 | 51 | 4.4 | 332.2 | 4081 | 4.1 | 47 | 3.9 | 329.8 | 4066 | 5.0 | 41 | 3.6 | 329.8 | 4091 | 625 |
| 650 | 6.4 | 48 | 4.5 | 330.5 | 3771 | 7.5 | 50 | 4.9 | 333.3 | 3760 | 6.3 | 44 | 4.1 | 329.1 | 3745 | 7.3 | 40 | 3.9 | 329.9 | 3770 | 650 |
| 675 | 7.9 | 57 | 5.6 | 332.2 | 3460 | 9.4 | 52 | 5.7 | 334.2 | 3447 | 7.7 | 51 | 5.0 | 329.9 | 3435 | 8.8 | 48 | 5.1 | 331.5 | 3458 | 675 |
| 700 | 9.5 | 63 | 6.8 | 333.9 | 3159 | 10.7 | 58 | 6.7 | 335.2 | 3145 | 9.1 | 61 | 6.4 | 332.3 | 3134 | 10.2 | 56 | 6.3 | 333.3 | 3156 | 700 |
| 725 | 11.2 | 64 | 7.4 | 334.5 | 2866 | 12.0 | 64 | 7.7 | 336.3 | 2851 | 11.7 | 65 | 7.7 | 336.1 | 2842 | 11.6 | 64 | 7.5 | 335.3 | 2863 | 725 |
| 750 | 11.9 | 77 | 9.0 | 336.6 | 2582 | 13.3 | 68 | 8.7 | 337.5 | 2566 | 12.3 | 82 | 9.9 | 339.5 | 2557 | 12.9 | 71 | 8.9 | 337.5 | 2578 | 750 |
| 775 | 13.4 | 76 | 9.5 | 336.6 | 2306 | 15.4 | 66 | 9.4 | 338.9 | 2288 | 12.4 | 99 | 11.6 | 341.4 | 2281 | 13.1 | 79 | 9.7 | 336.9 | 2302 | 775 |
| 800 | 14.8 | 77 | 10.3 | 337.3 | 2037 | 17.1 | 66 | 10.3 | 340.2 | 2017 | 13.8 | 98 | 12.3 | 341.7 | 2013 | 14.5 | 79 | 10.3 | 337.1 | 2033 | 800 |
| 825 | 15.5 | 90 | 12.1 | 340.4 | 1776 | 16.3 | 84 | 12.0 | 341.0 | 1754 | 15.1 | 98 | 12.9 | 342.1 | 1752 | 15.8 | 84 | 11.6 | 339.2 | 1772 | 825 |
| 850 | 16.6 | 92 | 13.0 | 341.1 | 1521 | 17.0 | 90 | 13.1 | 341.8 | 1499 | 16.4 | 97 | 13.6 | 342.5 | 1497 | 17.2 | 85 | 12.4 | 340.2 | 1517 | 850 |
| 875 | 17.8 | 92 | 13.6 | 341.5 | 1273 | 18.0 | 93 | 14.0 | 342.8 | 1251 | 17.7 | 97 | 14.2 | 343.0 | 1249 | 18.5 | 86 | 13.2 | 341.2 | 1268 | 875 |
| 900 | 18.9 | 93 | 14.3 | 342.0 | 1030 | 19.3 | 94 | 14.9 | 344.0 | 1008 | 19.3 | 97 | 15.3 | 345.2 | 1006 | 19.8 | 86 | 14.1 | 342.3 | 1025 | 900 |
| 925 | 20.4 | 91 | 15.1 | 343.0 | 793 | 21.0 | 91 | 15.7 | 345.4 | 770 | 20.9 | 96 | 16.4 | 347.5 | 768 | 21.0 | 87 | 14.9 | 343.5 | 787 | 925 |
| 950 | 22.3 | 88 | 15.8 | 344.8 | 561 | 22.6 | 89 | 16.4 | 346.8 | 538 | 22.5 | 94 | 17.2 | 348.8 | 536 | 22.3 | 88 | 15.8 | 344.8 | 555 | 950 |
| 975 | 24.1 | 84 | 16.6 | 346.5 | 333 | 24.2 | 86 | 17.1 | 348.2 | 310 | 24.1 | 89 | 17.5 | 349.0 | 308 | 24.1 | 82 | 16.0 | 344.8 | 327 | 975 |
| 1000 | 25.9 | 81 | 17.3 | 348.0 | 110 | 25.8 | 84 | 17.8 | 349.4 | 86 | 25.6 | 85 | 17.8 | 349.1 | 85 | 26.0 | 82 | 17.7 | 349.2 | 104 | 1000 |
| SFC. | 26.8 | 79 | 17.6 | 348.7 | 0 | 26.4 | 83 | 18.1 | 349.9 | 0 | 26.2 | 83 | 17.9 | 349.1 | 0 | 26.9 | 87 | 19.6 | 354.3 | 0 | SFC. |
| | SURFACE PRESSURE 1012.5 | | | | | SURFACE PRESSURE 1009.8 | | | | | SURFACE PRESSURE 1009.6 | | | | | SURFACE PRESSURE 1011.8 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/21 2054 GMT | | | | | 3/21 2344 GMT | | | | | 3/22 358 GMT | | | | | 3/22 620 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.3 | 0 | 0.0 | 460.2 | 19433 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.3 | 0 | 0.0 | 429.8 | 18509 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.1 | 0 | 0.0 | 407.9 | 17735 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -79.0 | 0 | 0.0 | 386.6 | 17053 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.4 | 0 | 0.0 | 382.2 | 16449 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 15 | .0 | 377.8 | 16436 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.6 | 0 | 0.0 | 369.6 | 15896 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.3 | 15 | .0 | 366.4 | 15891 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 0 | 0.0 | 358.6 | 15398 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.6 | 15 | .0 | 358.6 | 15394 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.4 | 0 | 0.0 | 356.3 | 14936 | -73.8 | 35 | .0 | 357.4 | 14952 | -74.1 | 15 | .0 | 356.8 | 14932 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 0 | 0.0 | 354.1 | 14502 | -70.2 | 34 | .0 | 356.1 | 14515 | -70.8 | 15 | .0 | 355.1 | 14496 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.6 | 0 | 0.0 | 351.9 | 14091 | -67.0 | 33 | .0 | 354.8 | 14102 | -67.8 | 15 | .0 | 353.4 | 14084 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.0 | 0 | 0.0 | 349.9 | 13702 | -64.2 | 33 | .0 | 353.0 | 13709 | -66.1 | 15 | .0 | 349.7 | 13694 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.5 | 0 | 0.0 | 348.0 | 13332 | -63.0 | 33 | .0 | 348.9 | 13338 | -64.1 | 15 | .0 | 347.1 | 13325 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.2 | 0 | 0.0 | 346.1 | 12979 | -60.8 | 33 | .0 | 346.9 | 12984 | -61.4 | 14 | .0 | 345.8 | 12973 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.0 | 0 | 0.0 | 344.3 | 12642 | -58.7 | 33 | .0 | 345.0 | 12646 | -58.9 | 14 | .0 | 344.6 | 12636 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.3 | 0 | 0.0 | 343.7 | 12318 | -56.7 | 33 | .0 | 343.1 | 12323 | -56.4 | 13 | .0 | 343.5 | 12312 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -49.6 | 0 | 0.0 | 342.6 | 11559 | -49.7 | 35 | .1 | 342.6 | 11564 | -49.9 | 12 | .0 | 342.2 | 11554 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -43.5 | 0 | 0.0 | 341.4 | 10859 | -44.2 | 48 | .1 | 340.9 | 10866 | -43.6 | 11 | .0 | 341.5 | 10855 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -39.0 | 25 | .1 | 339.3 | 10211 | -39.1 | 61 | .3 | 339.7 | 10220 | -38.5 | 13 | .1 | 339.8 | 10207 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.2 | 23 | .1 | 334.9 | 9611 | -34.3 | 68 | .5 | 338.8 | 9617 | -35.8 | 28 | .2 | 335.6 | 9604 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.9 | 23 | .2 | 333.5 | 9051 | -30.3 | 70 | .7 | 337.4 | 9053 | -33.2 | 45 | .3 | 332.1 | 9044 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.2 | 24 | .3 | 333.2 | 8522 | -26.6 | 72 | .9 | 336.2 | 8521 | -28.8 | 36 | .4 | 331.4 | 8518 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -22.8 | 24 | .4 | 332.9 | 8021 | -23.0 | 68 | 1.1 | 335.0 | 8019 | -24.7 | 35 | .5 | 330.8 | 8020 | 375 |
| 400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.1 | 29 | .6 | 332.4 | 7544 | -19.3 | 72 | 1.5 | 335.2 | 7543 | -20.9 | 46 | .8 | 330.9 | 7547 | 400 |
| 425 | -15.2 | 34 | .9 | 332.9 | 7101 | -15.7 | 34 | .9 | 332.1 | 7090 | -15.7 | 60 | 1.6 | 334.5 | 7089 | -17.0 | 39 | .9 | 330.4 | 7095 | 425 |
| 450 | -12.5 | 40 | 1.3 | 332.2 | 6667 | -12.6 | 40 | 1.3 | 332.0 | 6656 | -12.3 | 37 | 1.2 | 332.1 | 6654 | -13.4 | 31 | 1.0 | 329.8 | 6663 | 450 |
| 475 | -9.9 | 23 | .9 | 328.9 | 6252 | -9.5 | 29 | 1.1 | 330.3 | 6241 | -9.0 | 21 | .9 | 330.0 | 6239 | -9.9 | 25 | .9 | 329.0 | 6249 | 475 |
| 500 | -7.6 | 23 | 1.0 | 327.2 | 5855 | -6.8 | 31 | 1.4 | 329.6 | 5842 | -6.9 | 54 | 2.4 | 332.9 | 5840 | -6.7 | 18 | .9 | 328.0 | 5851 | 500 |
| 525 | -5.7 | 35 | 1.6 | 327.2 | 5474 | -4.3 | 32 | 1.7 | 329.1 | 5460 | -4.6 | 70 | 3.6 | 334.8 | 5457 | -5.1 | 34 | 1.7 | 328.1 | 5468 | 525 |
| 550 | -2.2 | 35 | 2.1 | 328.6 | 5107 | -1.9 | 33 | 2.0 | 328.7 | 5091 | -2.7 | 78 | 4.4 | 335.3 | 5089 | -2.4 | 27 | 1.6 | 326.6 | 5101 | 550 |
| 575 | -.1 | 45 | 3.0 | 329.6 | 4752 | .4 | 34 | 2.4 | 328.4 | 4736 | -.7 | 76 | 4.8 | 334.6 | 4734 | .2 | 20 | 1.4 | 324.9 | 4746 | 575 |
| 600 | 2.7 | 33 | 2.6 | 327.7 | 4409 | 2.6 | 36 | 2.7 | 328.2 | 4393 | 1.1 | 74 | 5.1 | 333.8 | 4393 | 1.6 | 71 | 5.1 | 334.3 | 4404 | 600 |
| 625 | 4.8 | 33 | 2.8 | 327.3 | 4078 | 4.7 | 37 | 3.1 | 328.2 | 4061 | 2.3 | 73 | 5.3 | 331.6 | 4063 | 3.3 | 77 | 5.9 | 334.9 | 4074 | 625 |
| 650 | 6.3 | 37 | 3.4 | 327.3 | 3757 | 6.4 | 48 | 4.4 | 330.4 | 3741 | 3.9 | 78 | 6.1 | 332.5 | 3745 | 5.5 | 51 | 4.4 | 329.3 | 3754 | 650 |
| 675 | 6.5 | 56 | 5.0 | 328.6 | 3447 | 7.7 | 64 | 6.2 | 333.8 | 3430 | 6.3 | 90 | 8.0 | 337.2 | 3436 | 7.0 | 73 | 6.8 | 334.4 | 3444 | 675 |
| 700 | 8.2 | 66 | 6.5 | 331.4 | 3148 | 9.1 | 69 | 7.2 | 334.6 | 3129 | 8.6 | 97 | 9.7 | 341.5 | 3136 | 7.4 | 84 | 7.7 | 334.1 | 3144 | 700 |
| 725 | 9.8 | 68 | 7.2 | 332.1 | 2856 | 10.3 | 71 | 7.7 | 334.4 | 2837 | 10.6 | 99 | 11.1 | 344.3 | 2843 | 9.6 | 99 | 10.2 | 340.6 | 2853 | 725 |
| 750 | 11.3 | 67 | 7.6 | 331.8 | 2574 | 11.6 | 73 | 8.3 | 334.2 | 2553 | 12.1 | 99 | 11.8 | 344.9 | 2559 | 11.1 | 99 | 11.0 | 341.4 | 2569 | 750 |
| 775 | 12.7 | 70 | 8.3 | 332.4 | 2298 | 12.8 | 74 | 8.9 | 334.2 | 2278 | 13.7 | 92 | 11.8 | 343.5 | 2282 | 12.7 | 98 | 11.8 | 342.2 | 2294 | 775 |
| 800 | 13.8 | 73 | 9.1 | 332.8 | 2031 | 13.9 | 79 | 9.9 | 335.3 | 2010 | 15.1 | 89 | 12.1 | 343.0 | 2013 | 14.2 | 98 | 12.6 | 343.1 | 2025 | 800 |
| 825 | 14.8 | 76 | 9.8 | 333.2 | 1770 | 15.0 | 87 | 11.5 | 338.0 | 1749 | 16.2 | 93 | 13.2 | 344.2 | 1750 | 15.6 | 98 | 13.4 | 344.0 | 1764 | 825 |
| 850 | 15.8 | 80 | 10.6 | 333.6 | 1516 | 16.3 | 92 | 12.7 | 340.0 | 1495 | 17.4 | 96 | 14.2 | 345.5 | 1495 | 17.0 | 98 | 14.2 | 345.0 | 1508 | 850 |
| 875 | 16.7 | 83 | 11.4 | 334.1 | 1269 | 17.8 | 91 | 13.4 | 341.0 | 1246 | 18.9 | 94 | 14.9 | 346.4 | 1245 | 18.4 | 97 | 15.0 | 346.0 | 1259 | 875 |
| 900 | 17.7 | 86 | 12.3 | 334.7 | 1028 | 19.3 | 90 | 14.2 | 342.0 | 1004 | 20.4 | 91 | 15.5 | 347.2 | 1002 | 19.7 | 97 | 15.8 | 347.0 | 1016 | 900 |
| 925 | 19.3 | 90 | 13.8 | 338.0 | 792 | 20.7 | 89 | 15.0 | 343.1 | 766 | 21.9 | 89 | 16.2 | 348.0 | 763 | 21.0 | 97 | 16.7 | 348.1 | 778 | 925 |
| 950 | 21.4 | 90 | 15.3 | 342.2 | 561 | 22.1 | 88 | 15.7 | 344.2 | 534 | 23.4 | 87 | 16.8 | 348.7 | 530 | 22.6 | 94 | 17.2 | 348.9 | 546 | 950 |
| 975 | 23.7 | 88 | 16.9 | 346.9 | 334 | 24.2 | 85 | 16.7 | 347.1 | 307 | 24.8 | 85 | 17.4 | 349.4 | 301 | 24.2 | 89 | 17.6 | 349.4 | 318 | 975 |
| 1000 | 26.1 | 86 | 18.6 | 351.8 | 110 | 26.5 | 80 | 17.8 | 350.2 | 83 | 26.1 | 83 | 17.9 | 350.1 | 78 | 25.7 | 85 | 18.0 | 349.7 | 94 | 1000 |
| SFC. | 27.2 | 85 | 19.4 | 354.3 | 0 | 27.3 | 79 | 18.2 | 351.4 | 0 | 26.6 | 82 | 18.1 | 350.3 | 0 | 26.4 | 83 | 18.1 | 349.8 | 0 | SFC. |
| | SURFACE PRESSURE 1012.5 | | | | | SURFACE PRESSURE 1009.4 | | | | | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1010.7 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/22 9 0 GMT T | RH | W | EPT | H | 3/22 1226 GMT T | RH | W | EPT | H | 3/22 1537 GMT T | RH | W | EPT | H | 3/22 18 5 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -70.6 | 54 | .0 | 355.5 | 14577 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -69.0 | 54 | .0 | 351.3 | 14166 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -66.0 | 54 | .0 | 350.0 | 13778 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.9 | 18 | .0 | 348.3 | 13699 | 160 |
| 170 | -62.8 | 55 | .0 | 349.3 | 13407 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -65.7 | 17 | .0 | 344.5 | 13332 | 170 |
| 180 | -59.8 | 56 | .0 | 348.6 | 13053 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.0 | 17 | .0 | 344.8 | 12982 | 180 |
| 190 | -58.0 | 58 | .0 | 346.2 | 12713 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.6 | 16 | .0 | 345.0 | 12645 | 190 |
| 200 | -55.2 | 59 | .1 | 345.7 | 12388 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.4 | 16 | .0 | 345.2 | 12320 | 200 |
| 225 | -48.6 | 60 | .1 | 344.5 | 11625 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -50.1 | 16 | .0 | 341.9 | 11559 | 225 |
| 250 | -43.0 | 61 | .2 | 343.0 | 10923 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -45.4 | 16 | .0 | 338.7 | 10864 | 250 |
| 275 | -38.1 | 62 | .3 | 341.3 | 10274 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -39.9 | 15 | .1 | 337.7 | 10221 | 275 |
| 300 | -32.9 | 70 | .6 | 341.2 | 9668 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -34.6 | 20 | .1 | 337.1 | 9620 | 300 |
| 325 | -28.3 | 73 | .8 | 340.8 | 9099 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -29.8 | 25 | .2 | 336.6 | 9055 | 325 |
| 350 | -24.1 | 79 | 1.2 | 340.8 | 8563 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.4 | 34 | .4 | 334.9 | 8523 | 350 |
| 375 | -21.8 | 85 | 1.5 | 338.2 | 8056 | 0.0 | 0 | 0.0 | 0.0 | 0 | -21.9 | 60 | 1.1 | 336.5 | 8000 | -22.4 | 19 | .3 | 333.1 | 8021 | 375 |
| 400 | -19.2 | 88 | 1.8 | 336.5 | 7579 | -17.0 | 85 | 2.1 | 340.4 | 7532 | -18.9 | 76 | 1.6 | 336.2 | 7522 | -18.7 | 17 | .4 | 332.1 | 7543 | 400 |
| 425 | -15.8 | 91 | 2.4 | 337.0 | 7124 | -14.2 | 86 | 2.6 | 339.7 | 7074 | -15.2 | 36 | 1.0 | 333.0 | 7067 | -15.7 | 17 | .5 | 330.6 | 7089 | 425 |
| 450 | -13.9 | 91 | 2.6 | 334.6 | 6692 | -11.6 | 88 | 3.1 | 339.1 | 6637 | -11.7 | 36 | 1.2 | 333.0 | 6632 | -12.8 | 17 | .5 | 329.2 | 6655 | 450 |
| 475 | -11.1 | 92 | 3.2 | 334.9 | 6278 | -9.1 | 89 | 3.6 | 338.7 | 6220 | -11.2 | 49 | 1.7 | 329.9 | 6218 | -10.5 | 23 | .8 | 328.0 | 6241 | 475 |
| 500 | -8.3 | 82 | 3.4 | 334.0 | 5882 | -6.8 | 90 | 4.2 | 338.5 | 5821 | -8.8 | 51 | 2.0 | 329.0 | 5822 | -7.8 | 31 | 1.3 | 328.1 | 5844 | 500 |
| 525 | -4.6 | 60 | 3.1 | 333.2 | 5500 | -4.5 | 90 | 4.7 | 338.5 | 5438 | -6.6 | 52 | 2.3 | 328.3 | 5442 | -7.6 | 26 | 1.1 | 323.1 | 5464 | 525 |
| 550 | -1.1 | 40 | 2.5 | 331.3 | 5131 | -2.2 | 89 | 5.3 | 338.6 | 5069 | -4.1 | 70 | 3.6 | 331.1 | 5077 | -4.0 | 92 | 4.8 | 334.6 | 5100 | 550 |
| 575 | 1.4 | 29 | 2.1 | 328.8 | 4775 | .0 | 88 | 5.9 | 338.8 | 4714 | -1.3 | 97 | 5.9 | 337.1 | 4724 | -1.9 | 93 | 5.4 | 334.9 | 4747 | 575 |
| 600 | 3.7 | 44 | 3.6 | 332.3 | 4431 | .8 | 89 | 6.0 | 336.0 | 4372 | 1.0 | 92 | 6.3 | 337.1 | 4382 | .2 | 93 | 6.1 | 335.3 | 4407 | 600 |
| 625 | 6.2 | 29 | 2.7 | 328.5 | 4098 | 3.3 | 86 | 6.6 | 336.9 | 4041 | 3.2 | 87 | 6.7 | 337.0 | 4052 | 2.4 | 87 | 6.4 | 335.1 | 4077 | 625 |
| 650 | 7.1 | 50 | 4.8 | 332.5 | 3775 | 5.3 | 83 | 7.2 | 337.2 | 3721 | 5.8 | 79 | 7.1 | 337.5 | 3732 | 4.6 | 81 | 6.6 | 334.7 | 3758 | 650 |
| 675 | 7.7 | 78 | 7.6 | 337.8 | 3464 | 7.3 | 81 | 7.7 | 337.5 | 3411 | 8.4 | 71 | 7.3 | 337.8 | 3420 | 6.7 | 75 | 6.8 | 334.2 | 3449 | 675 |
| 700 | 9.0 | 72 | 7.4 | 335.3 | 3163 | 8.8 | 80 | 8.1 | 337.1 | 3110 | 9.1 | 74 | 7.7 | 336.3 | 3119 | 8.7 | 69 | 7.0 | 333.5 | 3149 | 700 |
| 725 | 10.3 | 66 | 7.2 | 332.7 | 2871 | 10.1 | 79 | 8.5 | 336.2 | 2818 | 10.4 | 75 | 8.2 | 335.8 | 2827 | 10.1 | 77 | 8.3 | 335.6 | 2857 | 725 |
| 750 | 12.0 | 69 | 8.1 | 334.2 | 2588 | 11.3 | 78 | 8.8 | 335.3 | 2535 | 12.3 | 73 | 8.8 | 336.3 | 2543 | 12.2 | 73 | 8.7 | 336.1 | 2573 | 750 |
| 775 | 13.6 | 74 | 9.4 | 336.5 | 2311 | 12.5 | 77 | 9.1 | 334.5 | 2260 | 13.1 | 79 | 9.7 | 336.6 | 2267 | 13.1 | 75 | 9.2 | 335.4 | 2297 | 775 |
| 800 | 15.1 | 78 | 10.7 | 338.9 | 2042 | 13.7 | 77 | 9.5 | 333.7 | 1992 | 12.9 | 92 | 10.8 | 336.4 | 1999 | 15.1 | 70 | 9.5 | 335.6 | 2029 | 800 |
| 825 | 16.7 | 83 | 12.1 | 341.7 | 1780 | 14.8 | 76 | 9.8 | 332.9 | 1732 | 14.3 | 92 | 11.6 | 337.3 | 1739 | 17.0 | 66 | 9.8 | 335.6 | 1767 | 825 |
| 850 | 18.1 | 87 | 13.5 | 344.6 | 1524 | 15.9 | 75 | 10.1 | 332.2 | 1478 | 15.7 | 93 | 12.4 | 338.3 | 1485 | 17.7 | 76 | 11.4 | 338.2 | 1511 | 850 |
| 875 | 19.6 | 91 | 15.1 | 347.8 | 1274 | 16.9 | 75 | 10.4 | 331.5 | 1230 | 17.1 | 93 | 13.2 | 339.3 | 1238 | 18.1 | 89 | 13.4 | 341.2 | 1262 | 875 |
| 900 | 20.9 | 95 | 16.7 | 351.1 | 1029 | 17.9 | 74 | 10.7 | 330.8 | 989 | 18.4 | 94 | 14.0 | 340.4 | 996 | 19.6 | 88 | 14.1 | 342.0 | 1019 | 900 |
| 925 | 22.2 | 95 | 17.6 | 352.3 | 790 | 18.9 | 74 | 11.0 | 330.1 | 754 | 19.7 | 94 | 14.8 | 341.5 | 759 | 21.0 | 86 | 14.8 | 342.9 | 782 | 925 |
| 950 | 23.3 | 96 | 18.5 | 353.5 | 557 | 19.9 | 75 | 11.7 | 330.4 | 524 | 20.4 | 94 | 15.0 | 340.2 | 528 | 22.3 | 85 | 15.4 | 343.8 | 549 | 950 |
| 975 | 24.4 | 97 | 19.5 | 354.7 | 328 | 20.9 | 93 | 15.1 | 338.3 | 299 | 22.1 | 90 | 15.6 | 341.4 | 302 | 23.6 | 84 | 16.1 | 344.6 | 322 | 975 |
| 1000 | 25.4 | 99 | 20.5 | 356.0 | 105 | 23.2 | 93 | 16.8 | 343.1 | 78 | 23.8 | 86 | 16.2 | 342.5 | 81 | 24.9 | 83 | 16.8 | 345.5 | 99 | 1000 |
| SFC. | 26.6 | 87 | 19.2 | 352.9 | 0 | 24.2 | 91 | 17.4 | 345.3 | 0 | 24.4 | 85 | 16.4 | 342.8 | 0 | 25.5 | 83 | 17.1 | 345.9 | 0 | SFC. |
| | SURFACE PRESSURE 1011.9 | | | | | SURFACE PRESSURE 1008.9 | | | | | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1011.3 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/22 21 7 GMT T | RH | W | EPT | H | 3/22 2323 GMT T | RH | W | EPT | H | 3/23 258 GMT T | RH | W | EPT | H | 3/23 515 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -66.1 | 0 | 0.0 | 463.0 | 19512 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -63.3 | 19 | .0 | 449.1 | 18601 | -66.5 | 0 | 0.0 | 442.0 | 18573 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -71.5 | 20 | .0 | 415.3 | 17790 | -73.5 | 0 | 0.0 | 411.1 | 17780 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -75.5 | 19 | .0 | 393.7 | 17101 | -75.8 | 0 | 0.0 | 393.0 | 17095 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -77.0 | 20 | .0 | 379.0 | 16495 | -75.5 | 0 | 0.0 | 381.9 | 16488 | -75.5 | 31 | .0 | 381.9 | 16477 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -79.5 | 19 | .0 | 364.0 | 15954 | -78.3 | 0 | 0.0 | 366.4 | 15939 | -76.5 | 31 | .0 | 369.7 | 15923 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -76.4 | 19 | .0 | 360.8 | 15457 | -75.9 | 0 | 0.0 | 361.7 | 15439 | -77.3 | 31 | .0 | 359.3 | 15423 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -73.5 | 20 | .0 | 357.8 | 14992 | -73.8 | 0 | 0.0 | 357.3 | 14974 | -75.0 | 31 | .0 | 355.2 | 14962 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -70.9 | 20 | .0 | 355.0 | 14556 | -71.8 | 0 | 0.0 | 353.3 | 14540 | -72.2 | 31 | .0 | 352.7 | 14529 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.1 | 20 | .0 | 352.8 | 14145 | -69.4 | 0 | 0.0 | 350.5 | 14131 | -69.6 | 31 | .0 | 350.3 | 14120 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -65.3 | 19 | .0 | 351.1 | 13754 | -66.1 | 0 | 0.0 | 349.8 | 13743 | -67.1 | 31 | .0 | 348.0 | 13733 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -62.2 | 19 | .0 | 350.3 | 13383 | -62.9 | 0 | 0.0 | 349.1 | 13372 | -64.6 | 31 | .0 | 346.3 | 13365 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -59.0 | 19 | .0 | 349.8 | 13027 | -59.9 | 0 | 0.0 | 348.3 | 13018 | -61.1 | 31 | .0 | 346.3 | 13013 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -56.0 | 19 | .0 | 349.3 | 12686 | -57.0 | 0 | 0.0 | 347.5 | 12678 | -57.9 | 30 | .0 | 346.3 | 12675 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -54.0 | 19 | .0 | 347.3 | 12358 | -54.5 | 0 | 0.0 | 346.5 | 12351 | -55.0 | 30 | .0 | 345.9 | 12349 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -48.5 | 18 | .0 | 344.3 | 11593 | -48.7 | 0 | 0.0 | 343.9 | 11587 | -48.7 | 30 | .1 | 344.1 | 11586 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -42.7 | 17 | .1 | 342.9 | 10891 | -43.5 | 0 | 0.0 | 341.5 | 10886 | -43.2 | 35 | .1 | 342.3 | 10885 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -37.4 | 17 | .1 | 341.4 | 10241 | -38.6 | 17 | .1 | 339.7 | 10238 | -37.2 | 36 | .2 | 342.1 | 10235 | 0.0 | 0 | 0.0 | 0.0 | 0 | 275 |
| 300 | -32.6 | 16 | .1 | 340.0 | 9634 | -33.1 | 16 | .1 | 339.3 | 9634 | -32.3 | 38 | .3 | 341.1 | 9627 | 0.0 | 0 | 0.0 | 0.0 | 0 | 300 |
| 325 | -28.2 | 16 | .2 | 338.6 | 9065 | -28.0 | 16 | .2 | 338.8 | 9065 | -28.7 | 37 | .4 | 338.8 | 9059 | 0.0 | 0 | 0.0 | 0.0 | 0 | 325 |
| 350 | -24.3 | 17 | .3 | 337.0 | 8529 | -23.3 | 15 | .3 | 338.3 | 8528 | -23.9 | 31 | .5 | 338.4 | 8523 | 0.0 | 0 | 0.0 | 0.0 | 0 | 350 |
| 375 | -21.0 | 17 | .3 | 335.1 | 8023 | -20.6 | 15 | .3 | 335.6 | 8020 | -21.1 | 24 | .5 | 335.5 | 8016 | 0.0 | 0 | 0.0 | 0.0 | 0 | 375 |
| 400 | -17.9 | 16 | .4 | 333.2 | 7543 | -18.3 | 15 | .3 | 332.6 | 7540 | -18.4 | 18 | .4 | 332.6 | 7537 | 0.0 | 0 | 0.0 | 0.0 | 0 | 400 |
| 425 | -15.1 | 17 | .5 | 331.4 | 7087 | -15.8 | 16 | .4 | 330.3 | 7086 | -15.2 | 21 | .6 | 331.7 | 7082 | 0.0 | 0 | 0.0 | 0.0 | 0 | 425 |
| 450 | -12.4 | 18 | .6 | 329.8 | 6653 | -12.6 | 19 | .6 | 329.6 | 6652 | -12.2 | 27 | .9 | 331.3 | 6647 | 0.0 | 0 | 0.0 | 0.0 | 0 | 450 |
| 475 | -9.9 | 19 | .7 | 328.4 | 6238 | -9.7 | 22 | .9 | 329.1 | 6237 | -10.1 | 41 | 1.5 | 330.9 | 6232 | 0.0 | 0 | 0.0 | 0.0 | 0 | 475 |
| 500 | -8.1 | 19 | .8 | 326.0 | 5841 | -6.9 | 26 | 1.2 | 328.8 | 5839 | -7.5 | 47 | 2.1 | 330.9 | 5835 | -6.7 | 63 | 2.9 | 334.7 | 5871 | 500 |
| 525 | -6.9 | 41 | 1.8 | 326.2 | 5461 | -4.5 | 31 | 1.6 | 328.7 | 5456 | -4.4 | 56 | 2.9 | 332.9 | 5452 | -4.4 | 66 | 3.5 | 334.6 | 5488 | 525 |
| 550 | -4.3 | 54 | 2.8 | 328.1 | 5096 | -2.1 | 36 | 2.1 | 328.8 | 5088 | -2.5 | 53 | 3.1 | 331.3 | 5084 | -2.2 | 81 | 4.8 | 336.8 | 5119 | 550 |
| 575 | -1.9 | 50 | 2.9 | 327.3 | 4744 | .1 | 41 | 2.7 | 329.1 | 4733 | -.6 | 48 | 3.1 | 329.4 | 4730 | .1 | 77 | 5.1 | 336.5 | 4764 | 575 |
| 600 | .4 | 55 | 3.6 | 328.3 | 4404 | 2.2 | 45 | 3.4 | 329.7 | 4391 | 1.7 | 52 | 3.7 | 330.2 | 4388 | 2.4 | 61 | 4.7 | 333.9 | 4421 | 600 |
| 625 | 2.7 | 60 | 4.5 | 329.7 | 4074 | 4.2 | 49 | 4.1 | 330.5 | 4060 | 3.8 | 56 | 4.5 | 331.2 | 4058 | 4.9 | 60 | 5.2 | 334.5 | 4089 | 625 |
| 650 | 4.8 | 65 | 5.4 | 331.3 | 3755 | 6.1 | 53 | 4.8 | 331.2 | 3739 | 5.8 | 66 | 5.9 | 334.0 | 3737 | 7.3 | 68 | 6.7 | 338.3 | 3767 | 650 |
| 675 | 6.6 | 64 | 5.8 | 331.1 | 3446 | 7.6 | 57 | 5.5 | 331.5 | 3429 | 8.0 | 64 | 6.4 | 334.5 | 3427 | 8.6 | 75 | 7.8 | 339.5 | 3455 | 675 |
| 700 | 8.2 | 62 | 6.1 | 330.4 | 3146 | 9.0 | 61 | 6.3 | 332.0 | 3128 | 10.0 | 63 | 6.9 | 335.0 | 3125 | 10.8 | 71 | 8.3 | 340.1 | 3153 | 700 |
| 725 | 9.8 | 60 | 6.3 | 329.8 | 2855 | 10.4 | 65 | 7.1 | 332.6 | 2836 | 12.0 | 61 | 7.5 | 335.5 | 2832 | 12.3 | 77 | 9.5 | 342.0 | 2858 | 725 |
| 750 | 12.6 | 57 | 7.0 | 331.8 | 2572 | 11.8 | 68 | 7.9 | 333.3 | 2552 | 13.5 | 62 | 8.1 | 336.0 | 2547 | 14.0 | 65 | 8.7 | 338.2 | 2573 | 750 |
| 775 | 13.3 | 70 | 8.7 | 334.1 | 2296 | 13.1 | 71 | 8.8 | 334.2 | 2276 | 14.8 | 64 | 8.8 | 336.5 | 2269 | 15.7 | 64 | 9.4 | 339.1 | 2294 | 775 |
| 800 | 14.7 | 69 | 9.1 | 334.0 | 2027 | 14.4 | 75 | 9.6 | 335.1 | 2008 | 16.1 | 66 | 9.6 | 337.2 | 1999 | 17.3 | 58 | 9.1 | 337.1 | 2024 | 800 |
| 825 | 15.9 | 71 | 9.8 | 334.4 | 1766 | 15.6 | 78 | 10.6 | 336.2 | 1746 | 17.5 | 66 | 10.1 | 337.0 | 1736 | 18.5 | 65 | 10.5 | 339.6 | 1760 | 825 |
| 850 | 17.1 | 74 | 10.7 | 335.3 | 1511 | 16.8 | 81 | 11.5 | 337.3 | 1491 | 18.8 | 64 | 10.3 | 336.4 | 1480 | 19.4 | 79 | 13.2 | 345.3 | 1503 | 850 |
| 875 | 18.6 | 69 | 10.7 | 334.5 | 1263 | 18.0 | 84 | 12.5 | 338.6 | 1243 | 20.1 | 63 | 10.6 | 336.0 | 1230 | 18.8 | 95 | 15.0 | 346.5 | 1252 | 875 |
| 900 | 20.0 | 66 | 10.9 | 333.9 | 1020 | 19.1 | 87 | 13.5 | 340.0 | 1000 | 21.0 | 67 | 11.7 | 337.3 | 986 | 20.1 | 96 | 16.1 | 348.4 | 1009 | 900 |
| 925 | 21.2 | 69 | 11.9 | 335.3 | 782 | 20.2 | 89 | 14.6 | 341.4 | 763 | 21.9 | 71 | 12.7 | 338.5 | 748 | 22.1 | 93 | 17.1 | 350.8 | 770 | 925 |
| 950 | 22.4 | 71 | 12.9 | 336.9 | 550 | 21.6 | 90 | 15.6 | 343.3 | 532 | 22.3 | 83 | 14.9 | 342.3 | 516 | 24.1 | 91 | 18.4 | 354.1 | 536 | 950 |
| 975 | 23.7 | 73 | 14.0 | 338.8 | 323 | 23.3 | 89 | 16.7 | 345.6 | 314 | 23.8 | 85 | 16.4 | 345.5 | 288 | 25.0 | 87 | 18.1 | 351.8 | 307 | 975 |
| 1000 | 25.7 | 77 | 16.3 | 345.0 | 100 | 25.0 | 88 | 17.7 | 348.0 | 82 | 25.4 | 85 | 17.7 | 348.5 | 65 | 25.9 | 83 | 17.8 | 349.4 | 84 | 1000 |
| SFC. | 26.6 | 79 | 17.4 | 348.1 | 0 | 25.6 | 87 | 18.1 | 348.9 | 0 | 25.9 | 85 | 18.0 | 349.4 | 0 | 26.2 | 82 | 17.7 | 348.5 | 0 | SFC. |
| | SURFACE PRESSURE 1011.4 | | | | | SURFACE PRESSURE 1009.3 | | | | | SURFACE PRESSURE 1007.4 | | | | | SURFACE PRESSURE 1009.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA — SHIP SURVEYOR

| P | 3/23 1123 GMT T | RH | W | EPT | H | 3/23 18 8 GMT T | RH | W | EPT | H | 3/23 23 0 GMT T | RH | W | EPT | H | 3/24 550 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.0 | 24 | .0 | 461.1 | 19553 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.7 | 22 | .0 | 437.5 | 18625 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.5 | 20 | .0 | 409.1 | 17837 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.7 | 21 | .0 | 395.1 | 17148 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.0 | 53 | .0 | 396.5 | 17069 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.8 | 20 | .0 | 381.3 | 16540 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.9 | 53 | .0 | 379.2 | 16460 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 18 | .0 | 373.9 | 15987 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.4 | 53 | .0 | 366.2 | 15915 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 19 | .0 | 363.8 | 15481 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.1 | 53 | .0 | 359.5 | 15417 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.4 | 21 | .0 | 358.1 | 15015 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.0 | 53 | .0 | 355.3 | 14956 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.2 | 22 | .0 | 354.4 | 14579 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.6 | 53 | .0 | 353.8 | 14522 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.9 | 21 | .0 | 353.1 | 14168 | -66.8 | 0 | 0.0 | 355.0 | 14135 | -70.7 | 54 | .0 | 348.3 | 14113 | 150 |
| 160 | -64.9 | 0 | 0.0 | 351.8 | 13716 | -64.8 | 21 | .0 | 351.9 | 13777 | -63.8 | 0 | 0.0 | 353.6 | 13742 | -68.7 | 53 | .0 | 345.3 | 13729 | 160 |
| 170 | -61.9 | 0 | 0.0 | 350.6 | 13344 | -61.9 | 21 | .0 | 350.7 | 13405 | -61.0 | 0 | 0.0 | 352.2 | 13368 | -66.4 | 53 | .0 | 343.3 | 13364 | 170 |
| 180 | -59.7 | 0 | 0.0 | 348.6 | 12988 | -59.2 | 20 | .0 | 349.5 | 13049 | -58.3 | 0 | 0.0 | 350.9 | 13010 | -63.0 | 53 | .0 | 343.2 | 13015 | 180 |
| 190 | -58.6 | 0 | 0.0 | 345.0 | 12650 | -56.6 | 20 | .0 | 348.3 | 12708 | -56.8 | 0 | 0.0 | 347.8 | 12669 | -59.9 | 53 | .0 | 343.1 | 12680 | 190 |
| 200 | -55.9 | 0 | 0.0 | 344.3 | 12325 | -54.0 | 20 | .0 | 347.4 | 12381 | -54.8 | 0 | 0.0 | 346.0 | 12343 | -56.8 | 54 | .0 | 343.0 | 12357 | 200 |
| 225 | -49.6 | 0 | 0.0 | 342.6 | 11565 | -47.9 | 21 | .0 | 345.4 | 11614 | -47.7 | 0 | 0.0 | 345.4 | 11577 | -49.9 | 54 | .1 | 342.4 | 11599 | 225 |
| 250 | -43.9 | 0 | 0.0 | 340.8 | 10866 | -42.4 | 22 | .1 | 343.4 | 10911 | -42.2 | 0 | 0.0 | 343.3 | 10873 | -43.7 | 54 | .2 | 341.8 | 10901 | 250 |
| 275 | -38.7 | 36 | .2 | 339.8 | 10219 | -37.9 | 30 | .2 | 341.0 | 10260 | -37.2 | M | M | M | 10221 | -38.1 | 55 | .3 | 341.2 | 10252 | 275 |
| 300 | -33.8 | 38 | .3 | 338.9 | 9616 | -33.2 | 29 | .2 | 339.5 | 9655 | -32.7 | M | M | M | 9614 | -33.0 | 55 | .4 | 340.6 | 9647 | 300 |
| 325 | -29.2 | 35 | .4 | 337.8 | 9049 | -28.8 | 28 | .3 | 338.2 | 9087 | -28.6 | M | M | M | 9045 | -27.9 | 66 | .8 | 341.1 | 9077 | 325 |
| 350 | -25.0 | 25 | .4 | 336.4 | 8515 | -24.8 | 25 | .4 | 336.8 | 8552 | -24.7 | M | M | M | 8510 | -24.1 | 67 | 1.1 | 340.2 | 8541 | 350 |
| 375 | -21.1 | 16 | .3 | 334.8 | 8010 | -21.0 | 23 | .4 | 335.6 | 8047 | -21.1 | M | M | M | 8005 | -20.4 | 72 | 1.5 | 339.9 | 8034 | 375 |
| 400 | -18.6 | 26 | .6 | 333.0 | 7531 | -17.7 | 23 | .5 | 334.0 | 7567 | -17.8 | M | M | M | 7525 | -17.3 | 63 | 1.6 | 338.1 | 7552 | 400 |
| 425 | -16.1 | 33 | .8 | 331.5 | 7077 | -14.7 | 22 | .6 | 332.5 | 7111 | -14.8 | M | M | M | 7069 | -14.8 | 51 | 1.5 | 335.2 | 7095 | 425 |
| 450 | -12.5 | 25 | .8 | 330.4 | 6643 | -11.8 | 23 | .8 | 331.2 | 6675 | -12.0 | M | M | M | 6635 | -11.4 | 54 | 1.9 | 335.7 | 6660 | 450 |
| 475 | -10.4 | 31 | 1.1 | 329.0 | 6229 | -8.9 | 27 | 1.1 | 330.9 | 6259 | -9.6 | M | M | M | 6219 | -9.6 | 64 | 2.5 | 334.6 | 6243 | 475 |
| 500 | -7.8 | 31 | 1.3 | 328.2 | 5832 | -6.1 | 32 | 1.5 | 330.9 | 5860 | -7.6 | M | M | M | 5822 | -7.8 | 74 | 3.1 | 334.0 | 5845 | 500 |
| 525 | -4.7 | 46 | 2.4 | 330.8 | 5450 | -3.6 | 26 | 1.4 | 329.1 | 5476 | -5.8 | M | M | M | 5441 | -4.9 | 69 | 3.5 | 333.9 | 5463 | 525 |
| 550 | -3.9 | 70 | 3.7 | 331.3 | 5083 | -1.7 | 39 | 2.4 | 330.1 | 5107 | -4.0 | M | M | M | 5075 | -3.5 | 78 | 4.2 | 333.6 | 5096 | 550 |
| 575 | -2.2 | 68 | 3.9 | 329.8 | 4731 | -1.0 | 54 | 3.3 | 329.7 | 4753 | -.8 | M | M | M | 4723 | -1.9 | 85 | 4.9 | 333.5 | 4743 | 575 |
| 600 | .2 | 71 | 4.6 | 331.0 | 4391 | 1.5 | 46 | 3.3 | 328.6 | 4411 | 2.3 | M | M | M | 4382 | .5 | 81 | 5.3 | 333.5 | 4402 | 600 |
| 625 | 2.4 | 81 | 5.9 | 333.7 | 4062 | 3.4 | 48 | 3.8 | 328.5 | 4081 | 5.2 | M | M | M | 4051 | 2.8 | 76 | 5.7 | 333.5 | 4073 | 625 |
| 650 | 4.6 | 90 | 7.4 | 336.9 | 3743 | 5.9 | 43 | 3.8 | 328.0 | 3761 | 8.1 | M | M | M | 3729 | 5.0 | 72 | 6.0 | 333.4 | 3753 | 650 |
| 675 | 7.1 | 65 | 6.1 | 332.6 | 3433 | 8.1 | 40 | 4.0 | 327.6 | 3451 | 9.6 | M | M | M | 3417 | 7.1 | 68 | 6.4 | 333.3 | 3444 | 675 |
| 700 | 9.5 | 42 | 4.5 | 327.3 | 3132 | 9.9 | 44 | 4.8 | 328.7 | 3149 | 10.9 | M | M | M | 3116 | 9.1 | 64 | 6.6 | 333.1 | 3143 | 700 |
| 725 | 10.9 | 48 | 5.4 | 328.4 | 2840 | 11.6 | 48 | 5.7 | 330.0 | 2857 | 12.2 | M | M | M | 2823 | 11.0 | 62 | 7.0 | 333.1 | 2851 | 725 |
| 750 | 12.3 | 54 | 6.4 | 329.7 | 2556 | 13.3 | 48 | 6.1 | 330.0 | 2572 | 13.6 | M | M | M | 2539 | 12.4 | 66 | 8.0 | 334.2 | 2567 | 750 |
| 775 | 13.7 | 59 | 7.5 | 331.1 | 2280 | 14.6 | 54 | 7.3 | 331.7 | 2295 | 15.0 | M | M | M | 2263 | 14.4 | 63 | 8.4 | 334.6 | 2290 | 775 |
| 800 | 14.9 | 64 | 8.6 | 332.7 | 2012 | 15.9 | 59 | 8.4 | 333.5 | 2026 | 15.9 | M | M | M | 1994 | 14.5 | 90 | 11.8 | 341.2 | 2021 | 800 |
| 825 | 15.3 | 91 | 12.2 | 340.2 | 1750 | 17.2 | 63 | 9.4 | 334.7 | 1763 | 16.6 | M | M | M | 1734 | 15.6 | 96 | 13.1 | 343.3 | 1759 | 825 |
| 850 | 16.5 | 98 | 13.7 | 342.8 | 1496 | 18.4 | 60 | 9.4 | 333.4 | 1508 | 17.2 | M | M | M | 1480 | 16.9 | 98 | 14.1 | 344.6 | 1504 | 850 |
| 875 | 17.8 | 97 | 14.4 | 343.8 | 1247 | 19.5 | 64 | 10.5 | 335.0 | 1258 | 18.2 | M | M | M | 1233 | 18.5 | 96 | 14.9 | 346.0 | 1255 | 875 |
| 900 | 19.2 | 97 | 15.2 | 344.8 | 1004 | 20.6 | 68 | 11.6 | 336.7 | 1014 | 19.3 | M | M | M | 992 | 20.2 | 94 | 15.7 | 347.4 | 1012 | 900 |
| 925 | 20.5 | 97 | 16.0 | 345.8 | 767 | 21.7 | 72 | 12.8 | 338.5 | 777 | 20.4 | M | M | M | 757 | 21.8 | 91 | 16.5 | 348.8 | 773 | 925 |
| 950 | 21.8 | 96 | 16.8 | 346.9 | 535 | 22.8 | 75 | 14.0 | 340.4 | 544 | 22.3 | M | M | M | 527 | 23.4 | 89 | 17.3 | 350.1 | 540 | 950 |
| 975 | 23.3 | 94 | 17.6 | 348.2 | 308 | 24.0 | 79 | 15.5 | 343.3 | 316 | 24.4 | M | M | M | 302 | 24.9 | 87 | 18.0 | 351.4 | 311 | 975 |
| 1000 | 25.6 | 87 | 18.2 | 350.0 | 85 | 25.5 | 85 | 17.8 | 349.0 | 93 | 26.5 | M | M | M | 80 | 26.4 | 85 | 18.7 | 352.7 | 87 | 1000 |
| SFC. | 26.4 | 84 | 18.3 | 350.6 | 0 | 26.1 | 88 | 18.9 | 351.5 | 0 | 27.3 | M | M | M | 0 | 27.0 | 84 | 19.0 | 353.2 | 0 | SFC. |
| | SURFACE PRESSURE 1009.6 | | | | | SURFACE PRESSURE 1010.6 | | | | | SURFACE PRESSURE 1009.2 | | | | | SURFACE PRESSURE 1009.9 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| | 3/24 1212 GMT | | | | | 3/24 1823 GMT | | | | | 3/24 2314 GMT | | | | | 3/25 531 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | T | RH | W | EPT | H | P |
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -63.0 | 0 | 0.0 | 469.8 | 19569 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.2 | 0 | 0.0 | 432.1 | 18636 | -68.5 | 30 | .0 | 437.9 | 18505 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.4 | 0 | 0.0 | 415.6 | 17848 | -73.7 | 30 | .0 | 410.8 | 17717 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.6 | 0 | 0.0 | 397.4 | 17153 | -74.3 | 30 | .0 | 395.9 | 17028 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.4 | 0 | 0.0 | 385.9 | 16538 | -77.7 | 30 | .0 | 377.6 | 16420 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.8 | 0 | 0.0 | 373.0 | 15982 | -78.2 | 30 | .0 | 366.4 | 15875 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | -75.3 | 0 | 0.0 | 362.8 | 15478 | -78.8 | 30 | .0 | 356.5 | 15379 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.7 | 33 | .0 | 355.6 | 14981 | -73.0 | 0 | 0.0 | 358.7 | 15012 | -75.6 | 30 | .0 | 354.0 | 14921 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -72.4 | 34 | .0 | 352.3 | 14548 | -69.7 | 0 | 0.0 | 357.0 | 14574 | -72.4 | 30 | .0 | 352.3 | 14488 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.2 | 35 | .0 | 349.2 | 14141 | -66.5 | 0 | 0.0 | 355.5 | 14159 | -69.4 | 30 | .0 | 350.7 | 14080 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -68.0 | 36 | .0 | 346.6 | 13755 | -63.5 | 0 | 0.0 | 354.1 | 13766 | -66.5 | 30 | .0 | 349.0 | 13692 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.9 | 37 | .0 | 345.8 | 13388 | -62.7 | 0 | 0.0 | 349.4 | 13394 | -63.9 | 30 | .0 | 347.5 | 13323 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -62.0 | 38 | .0 | 345.0 | 13037 | -60.0 | 0 | 0.0 | 348.2 | 13040 | -61.3 | 30 | .0 | 346.1 | 12970 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -58.8 | 38 | .0 | 344.8 | 12700 | -57.4 | 0 | 0.0 | 347.0 | 12700 | -58.4 | 29 | .0 | 345.5 | 12632 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -55.8 | 38 | .0 | 344.6 | 12376 | -54.9 | 0 | 0.0 | 345.8 | 12374 | -55.6 | 29 | .0 | 344.9 | 12308 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -48.7 | 39 | .1 | 344.3 | 11614 | -48.6 | 0 | 0.0 | 344.0 | 11611 | -49.2 | 28 | .1 | 343.4 | 11546 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -42.3 | 40 | .1 | 343.9 | 10911 | -42.8 | 0 | 0.0 | 342.5 | 10909 | -42.9 | 28 | .1 | 342.7 | 10846 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.6 | 44 | .3 | 343.2 | 10259 | -37.5 | 20 | .1 | 341.4 | 10258 | -37.3 | 27 | .2 | 341.8 | 10195 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -31.7 | 50 | .5 | 342.5 | 9650 | -32.6 | 19 | .2 | 340.1 | 9652 | -33.3 | 35 | .3 | 339.5 | 9588 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -27.2 | 56 | .7 | 342.0 | 9078 | -28.1 | 19 | .2 | 338.9 | 9082 | -29.0 | 32 | .3 | 338.1 | 9021 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.9 | 54 | .9 | 339.8 | 8541 | -23.8 | 23 | .4 | 338.1 | 8546 | -25.0 | 43 | .6 | 337.4 | 8487 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -20.4 | 60 | 1.2 | 339.1 | 8033 | -19.8 | 35 | .8 | 338.2 | 8038 | -21.4 | 43 | .8 | 336.2 | 7982 | 375 |
| 400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -17.0 | 61 | 1.6 | 338.5 | 7552 | -16.0 | 47 | 1.3 | 338.9 | 7555 | -17.5 | 55 | 1.3 | 337.0 | 7502 | 400 |
| 425 | 0.0 | 0 | 0.0 | 0.0 | 0 | -14.1 | 65 | 2.0 | 337.8 | 7094 | -13.3 | 51 | 1.6 | 337.7 | 7096 | -15.1 | 97 | 2.7 | 338.9 | 7046 | 425 |
| 450 | 0.0 | 0 | 0.0 | 0.0 | 0 | -11.8 | 75 | 2.6 | 337.3 | 6658 | -10.8 | 55 | 2.1 | 336.9 | 6658 | -13.1 | 99 | 3.1 | 337.1 | 6611 | 450 |
| 475 | 0.0 | 0 | 0.0 | 0.0 | 0 | -9.6 | 81 | 3.1 | 336.7 | 6242 | -8.4 | 59 | 2.5 | 336.2 | 6240 | -9.4 | 82 | 3.2 | 337.2 | 6196 | 475 |
| 500 | 0.0 | 0 | 0.0 | 0.0 | 0 | -7.6 | 83 | 3.6 | 335.6 | 5843 | -6.1 | 62 | 3.0 | 335.7 | 5840 | -7.3 | 89 | 3.9 | 337.0 | 5797 | 500 |
| 525 | -5.5 | 99 | 4.8 | 337.4 | 5436 | -5.7 | 85 | 4.0 | 334.7 | 5462 | -4.8 | 75 | 3.8 | 335.1 | 5457 | -5.4 | 96 | 4.7 | 337.1 | 5415 | 525 |
| 550 | -3.8 | 99 | 5.2 | 336.3 | 5069 | -3.9 | 87 | 4.5 | 333.9 | 5095 | -2.5 | 66 | 3.8 | 333.7 | 5089 | -3.2 | 89 | 4.9 | 335.9 | 5048 | 550 |
| 575 | -2.2 | 99 | 5.6 | 335.2 | 4716 | -2.3 | 84 | 4.7 | 332.3 | 4743 | .1 | 53 | 3.5 | 331.6 | 4734 | -1.2 | 80 | 4.9 | 334.1 | 4694 | 575 |
| 600 | -.6 | 99 | 6.0 | 334.3 | 4376 | -.1 | 78 | 4.9 | 331.7 | 4403 | 1.6 | 61 | 4.4 | 332.1 | 4392 | .1 | 89 | 5.7 | 334.1 | 4353 | 600 |
| 625 | 1.0 | 96 | 6.3 | 333.3 | 4048 | 2.4 | 74 | 5.4 | 332.2 | 4074 | 3.4 | 64 | 5.0 | 332.1 | 4062 | 2.1 | 85 | 6.1 | 333.8 | 4024 | 625 |
| 650 | 3.2 | 83 | 6.2 | 331.7 | 3731 | 4.2 | 78 | 6.2 | 333.0 | 3755 | 5.2 | 63 | 5.4 | 331.9 | 3742 | 4.2 | 78 | 6.2 | 333.1 | 3706 | 650 |
| 675 | 5.3 | 92 | 7.6 | 334.8 | 3423 | 5.9 | 81 | 7.0 | 333.6 | 3447 | 7.0 | 63 | 5.9 | 331.8 | 3432 | 6.3 | 71 | 6.3 | 332.3 | 3397 | 675 |
| 700 | 7.5 | 76 | 7.1 | 332.4 | 3124 | 7.6 | 80 | 7.5 | 333.6 | 3147 | 8.7 | 62 | 6.3 | 331.7 | 3132 | 8.3 | 65 | 6.4 | 331.4 | 3097 | 700 |
| 725 | 9.0 | 85 | 8.5 | 334.8 | 2833 | 9.1 | 81 | 8.1 | 333.9 | 2856 | 10.4 | 62 | 6.8 | 331.7 | 2840 | 10.2 | 58 | 6.3 | 330.2 | 2806 | 725 |
| 750 | 10.4 | 94 | 10.0 | 337.4 | 2551 | 10.3 | 89 | 9.4 | 335.8 | 2574 | 12.0 | 62 | 7.3 | 331.7 | 2556 | 12.2 | 60 | 7.1 | 331.6 | 2522 | 750 |
| 775 | 11.9 | 97 | 10.9 | 338.8 | 2276 | 12.5 | 79 | 9.3 | 334.9 | 2299 | 13.6 | 61 | 7.7 | 331.8 | 2281 | 14.0 | 63 | 8.1 | 333.4 | 2246 | 775 |
| 800 | 13.4 | 96 | 11.6 | 339.4 | 2009 | 13.2 | 85 | 10.2 | 335.3 | 2032 | 15.1 | 61 | 8.2 | 331.9 | 2012 | 15.0 | 70 | 9.4 | 335.2 | 1977 | 800 |
| 825 | 14.8 | 95 | 12.3 | 340.1 | 1748 | 13.9 | 92 | 11.2 | 335.8 | 1772 | 16.4 | 62 | 8.9 | 332.6 | 1750 | 15.9 | 77 | 10.7 | 337.0 | 1715 | 825 |
| 850 | 16.2 | 95 | 13.0 | 340.8 | 1494 | 15.7 | 87 | 11.5 | 336.0 | 1518 | 17.8 | 64 | 9.7 | 333.3 | 1495 | 16.8 | 85 | 12.1 | 338.9 | 1460 | 850 |
| 875 | 17.6 | 94 | 13.7 | 341.5 | 1245 | 17.3 | 87 | 12.5 | 337.6 | 1271 | 19.1 | 65 | 10.4 | 334.1 | 1246 | 17.7 | 91 | 13.5 | 340.9 | 1212 | 875 |
| 900 | 18.9 | 93 | 14.5 | 342.3 | 1003 | 18.8 | 88 | 13.5 | 339.6 | 1029 | 20.3 | 67 | 11.2 | 335.0 | 1003 | 19.3 | 91 | 14.4 | 342.7 | 969 | 900 |
| 925 | 20.2 | 93 | 15.2 | 343.1 | 766 | 20.2 | 90 | 14.6 | 341.6 | 792 | 21.6 | 68 | 12.0 | 336.0 | 765 | 20.9 | 90 | 15.4 | 344.5 | 732 | 925 |
| 950 | 21.5 | 92 | 15.9 | 343.9 | 534 | 21.6 | 91 | 15.8 | 343.8 | 560 | 22.8 | 69 | 12.8 | 337.0 | 533 | 22.4 | 90 | 16.3 | 346.3 | 499 | 950 |
| 975 | 22.7 | 92 | 16.6 | 344.8 | 307 | 23.0 | 92 | 17.0 | 346.1 | 333 | 23.9 | 70 | 13.6 | 338.1 | 305 | 23.9 | 89 | 17.3 | 348.2 | 272 | 975 |
| 1000 | 23.9 | 91 | 17.3 | 345.6 | 85 | 24.3 | 93 | 18.2 | 348.5 | 110 | 25.3 | 78 | 16.1 | 344.2 | 83 | 25.4 | 88 | 18.3 | 350.1 | 49 | 1000 |
| SFC. | 24.4 | 91 | 17.6 | 346.0 | 0 | 25.0 | 94 | 18.8 | 349.8 | 0 | 26.0 | 85 | 18.1 | 349.5 | 0 | 25.7 | 88 | 18.5 | 350.6 | 0 | SFC. |
| | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1012.6 | | | | | SURFACE PRESSURE 1009.4 | | | | | SURFACE PRESSURE 1005.5 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/25 1131 GMT T | RH | W | EPT | H | 3/25 2310 GMT T | RH | W | EPT | H | 3/26 11 7 GMT T | RH | W | EPT | H | 3/26 2313 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -66.4 | 0 | 0.0 | 462.4 | 19420 | -63.5 | 0 | 0.0 | 468.7 | 19551 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.1 | 0 | 0.0 | 456.2 | 19495 | 60 |
| 70 | -72.0 | 0 | 0.0 | 430.4 | 18499 | -66.9 | 0 | 0.0 | 441.4 | 18607 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.3 | 0 | 0.0 | 434.0 | 18581 | 70 |
| 80 | -75.4 | 0 | 0.0 | 407.2 | 17720 | -72.1 | 0 | 0.0 | 414.1 | 17816 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.0 | 0 | 0.0 | 418.4 | 17783 | 80 |
| 90 | -77.0 | 0 | 0.0 | 390.5 | 17041 | -75.1 | 0 | 0.0 | 394.4 | 17122 | 0.0 | 0 | 0.0 | 0.0 | 0 | -73.2 | 0 | 0.0 | 398.2 | 17088 | 90 |
| 100 | -78.5 | 0 | 0.0 | 376.1 | 16438 | -77.7 | 0 | 0.0 | 377.6 | 16516 | 0.0 | 0 | 0.0 | 0.0 | 0 | -78.1 | 0 | 0.0 | 376.8 | 16477 | 100 |
| 110 | -77.7 | 0 | 0.0 | 367.5 | 15894 | -75.8 | 0 | 0.0 | 371.0 | 15968 | -76.8 | 0 | 0.0 | 369.2 | 15958 | -77.4 | 0 | 0.0 | 368.0 | 15932 | 110 |
| 120 | -76.9 | 0 | 0.0 | 359.9 | 15395 | -74.2 | 0 | 0.0 | 364.9 | 15463 | -75.7 | 0 | 0.0 | 362.1 | 15456 | -74.8 | 0 | 0.0 | 363.7 | 15430 | 120 |
| 130 | -76.2 | 0 | 0.0 | 353.0 | 14934 | -72.6 | 0 | 0.0 | 359.5 | 14995 | -74.8 | 0 | 0.0 | 355.6 | 14992 | -74.6 | 0 | 0.0 | 355.9 | 14965 | 130 |
| 140 | -73.5 | 0 | 0.0 | 350.4 | 14504 | -69.9 | 0 | 0.0 | 356.6 | 14557 | -72.1 | 0 | 0.0 | 352.8 | 14559 | -73.2 | 0 | 0.0 | 350.9 | 14533 | 140 |
| 150 | -70.4 | 0 | 0.0 | 348.8 | 14097 | -67.2 | 0 | 0.0 | 354.4 | 14144 | -68.5 | 0 | 0.0 | 352.0 | 14150 | -69.8 | 0 | 0.0 | 349.8 | 14126 | 150 |
| 160 | -67.6 | 0 | 0.0 | 347.2 | 13712 | -64.6 | 0 | 0.0 | 352.2 | 13752 | -65.2 | 0 | 0.0 | 351.3 | 13760 | -66.7 | 0 | 0.0 | 348.7 | 13739 | 160 |
| 170 | -64.9 | 0 | 0.0 | 345.7 | 13344 | -62.2 | 0 | 0.0 | 350.2 | 13380 | -62.0 | 0 | 0.0 | 350.5 | 13388 | -63.7 | 0 | 0.0 | 347.6 | 13370 | 170 |
| 180 | -62.3 | 0 | 0.0 | 344.3 | 12993 | -59.9 | 0 | 0.0 | 348.2 | 13025 | -59.1 | 0 | 0.0 | 349.6 | 13032 | -60.8 | 0 | 0.0 | 346.8 | 13017 | 180 |
| 190 | -60.0 | 0 | 0.0 | 342.8 | 12658 | -57.7 | 0 | 0.0 | 346.4 | 12685 | -56.4 | 0 | 0.0 | 348.5 | 12691 | -57.9 | 0 | 0.0 | 346.1 | 12678 | 190 |
| 200 | -57.6 | 0 | 0.0 | 341.6 | 12336 | -55.7 | 0 | 0.0 | 344.6 | 12360 | -54.0 | 0 | 0.0 | 347.3 | 12363 | -55.2 | 0 | 0.0 | 345.4 | 12353 | 200 |
| 225 | -50.4 | 0 | 0.0 | 341.2 | 11580 | -49.1 | 0 | 0.0 | 343.3 | 11599 | -48.4 | 0 | 0.0 | 344.3 | 11598 | -48.9 | 0 | 0.0 | 343.6 | 11590 | 225 |
| 250 | -44.0 | 0 | 0.0 | 340.7 | 10883 | -43.1 | 0 | 0.0 | 342.0 | 10898 | -43.5 | 0 | 0.0 | 341.5 | 10897 | -43.3 | 0 | 0.0 | 341.7 | 10890 | 250 |
| 275 | -38.1 | 28 | .1 | 340.6 | 10235 | -37.3 | 21 | .1 | 341.6 | 10248 | -38.7 | 21 | .1 | 339.6 | 10249 | -38.7 | 18 | .1 | 339.6 | 10241 | 275 |
| 300 | -32.6 | 33 | .3 | 340.5 | 9629 | -32.8 | 34 | .3 | 340.3 | 9642 | -33.6 | 20 | .2 | 338.7 | 9645 | -34.6 | 18 | .1 | 337.2 | 9639 | 300 |
| 325 | -28.4 | 51 | .6 | 339.7 | 9060 | -28.0 | 32 | .4 | 339.6 | 9072 | -29.1 | 21 | .2 | 337.5 | 9078 | -29.7 | 18 | .2 | 336.5 | 9074 | 325 |
| 350 | -24.8 | 61 | .9 | 338.7 | 8525 | -23.6 | 31 | .5 | 338.9 | 8535 | -25.0 | 22 | .3 | 336.4 | 8544 | -25.3 | 18 | .3 | 335.7 | 8541 | 350 |
| 375 | -20.9 | 58 | 1.1 | 338.0 | 8019 | -19.4 | 30 | .6 | 338.3 | 8027 | -21.1 | 23 | .4 | 335.4 | 8038 | -21.1 | 18 | .3 | 335.0 | 8036 | 375 |
| 400 | -17.4 | 56 | 1.4 | 337.3 | 7538 | -17.7 | 49 | 1.2 | 336.2 | 7544 | -17.5 | 24 | .6 | 334.4 | 7559 | -17.2 | 18 | .4 | 334.4 | 7555 | 400 |
| 425 | -14.5 | 62 | 1.8 | 336.7 | 7081 | -14.5 | 40 | 1.2 | 334.6 | 7088 | -14.5 | 24 | .7 | 333.0 | 7102 | -13.8 | 20 | .6 | 333.6 | 7098 | 425 |
| 450 | -12.7 | 84 | 2.7 | 336.3 | 6646 | -11.4 | 31 | 1.1 | 332.9 | 6652 | -11.6 | 23 | .8 | 331.6 | 6666 | -10.6 | 22 | .8 | 332.9 | 6661 | 450 |
| 475 | -10.0 | 85 | 3.2 | 336.4 | 6231 | -8.1 | 34 | 1.5 | 333.1 | 6235 | -8.9 | 23 | .9 | 330.3 | 6250 | -7.6 | 24 | 1.1 | 332.4 | 6243 | 475 |
| 500 | -7.1 | 82 | 3.7 | 336.6 | 5833 | -5.1 | 41 | 2.1 | 334.2 | 5834 | -6.4 | 22 | 1.1 | 329.0 | 5851 | -4.9 | 25 | 1.3 | 331.8 | 5841 | 500 |
| 525 | -5.3 | M | M | M | 5450 | -4.0 | 54 | 2.9 | 333.4 | 5449 | -4.0 | 27 | 1.5 | 328.7 | 5468 | -3.3 | 24 | 1.4 | 329.2 | 5457 | 525 |
| 550 | -3.6 | M | M | M | 5084 | -2.9 | 65 | 3.7 | 332.7 | 5081 | -1.9 | 41 | 2.5 | 330.3 | 5099 | -1.8 | 23 | 1.4 | 326.8 | 5088 | 550 |
| 575 | -1.4 | M | M | M | 4731 | -.4 | 50 | 3.3 | 330.3 | 4727 | .1 | 57 | 3.8 | 332.6 | 4744 | .3 | 33 | 2.2 | 327.8 | 4733 | 575 |
| 600 | .8 | 85 | 5.8 | 335.3 | 4390 | 2.1 | 36 | 2.7 | 327.4 | 4385 | 2.0 | 78 | 5.7 | 336.5 | 4401 | 2.3 | 40 | 3.0 | 328.7 | 4390 | 600 |
| 625 | 2.6 | 73 | 5.4 | 332.4 | 4060 | 4.1 | 31 | 2.6 | 325.7 | 4054 | 3.9 | 59 | 4.7 | 332.0 | 4070 | 4.4 | 35 | 2.9 | 327.1 | 4059 | 625 |
| 650 | 3.9 | 70 | 5.4 | 330.4 | 3741 | 5.9 | 36 | 3.2 | 325.9 | 3734 | 5.9 | 41 | 3.7 | 327.4 | 3750 | 6.5 | 29 | 2.7 | 325.3 | 3738 | 650 |
| 675 | 6.1 | 47 | 4.1 | 325.5 | 3433 | 4.3 | 41 | 3.2 | 320.5 | 3425 | 7.7 | 49 | 4.8 | 329.6 | 3440 | 8.5 | 24 | 2.5 | 323.3 | 3428 | 675 |
| 700 | 7.4 | 69 | 6.4 | 330.4 | 3134 | 6.4 | 54 | 4.7 | 324.0 | 3128 | 9.2 | 69 | 7.3 | 335.0 | 3139 | 10.4 | 19 | 2.2 | 321.2 | 3126 | 700 |
| 725 | 8.7 | 96 | 9.5 | 337.4 | 2844 | 8.4 | 67 | 6.4 | 328.2 | 2838 | 10.7 | 75 | 8.4 | 336.7 | 2846 | 11.7 | 23 | 2.7 | 321.0 | 2834 | 725 |
| 750 | 10.3 | 96 | 10.1 | 337.7 | 2561 | 10.4 | 79 | 8.4 | 333.0 | 2556 | 12.3 | 74 | 8.9 | 336.8 | 2562 | 12.7 | 29 | 3.5 | 321.7 | 2550 | 750 |
| 775 | 12.1 | 88 | 10.2 | 337.1 | 2287 | 12.3 | 82 | 9.6 | 335.5 | 2282 | 13.7 | 73 | 9.3 | 336.5 | 2286 | 13.8 | 35 | 4.4 | 322.5 | 2274 | 775 |
| 800 | 13.9 | 81 | 10.2 | 336.2 | 2019 | 14.3 | 76 | 9.8 | 335.3 | 2014 | 14.8 | 69 | 9.2 | 334.4 | 2017 | 14.8 | 41 | 5.3 | 323.3 | 2006 | 800 |
| 825 | 15.6 | 81 | 11.1 | 337.7 | 1758 | 16.1 | 70 | 9.9 | 334.9 | 1752 | 15.9 | 73 | 10.1 | 335.4 | 1756 | 15.7 | 46 | 6.3 | 324.2 | 1745 | 825 |
| 850 | 17.3 | 85 | 12.5 | 340.6 | 1503 | 17.8 | 66 | 10.1 | 334.6 | 1497 | 17.0 | 84 | 12.2 | 339.5 | 1501 | 16.7 | 52 | 7.3 | 325.2 | 1491 | 850 |
| 875 | 18.9 | 88 | 14.0 | 343.8 | 1253 | 19.0 | 69 | 10.9 | 335.5 | 1248 | 18.3 | 87 | 13.3 | 341.1 | 1252 | 17.6 | 57 | 8.2 | 326.3 | 1244 | 875 |
| 900 | 19.8 | 89 | 14.6 | 343.9 | 1010 | 20.2 | 71 | 11.8 | 336.5 | 1005 | 19.5 | 90 | 14.4 | 342.8 | 1009 | 18.4 | 62 | 9.3 | 327.4 | 1002 | 900 |
| 925 | 20.7 | 89 | 15.0 | 343.4 | 772 | 21.3 | 73 | 12.6 | 337.6 | 767 | 20.7 | 92 | 15.5 | 344.7 | 772 | 19.6 | 67 | 10.4 | 329.5 | 766 | 925 |
| 950 | 21.5 | 90 | 15.5 | 342.9 | 541 | 22.4 | 75 | 13.5 | 338.7 | 535 | 22.0 | 93 | 16.6 | 346.4 | 539 | 21.9 | 70 | 12.3 | 334.7 | 535 | 950 |
| 975 | 22.4 | 90 | 15.9 | 342.4 | 314 | 23.5 | 76 | 14.5 | 339.9 | 308 | 23.7 | 90 | 17.2 | 347.7 | 312 | 24.1 | 74 | 14.4 | 340.4 | 308 | 975 |
| 1000 | 24.2 | 87 | 16.8 | 344.7 | 92 | 25.0 | 87 | 17.6 | 347.6 | 85 | 25.4 | 86 | 17.9 | 348.9 | 89 | 26.2 | 77 | 16.7 | 346.8 | 85 | 1000 |
| SFC. | 25.0 | 86 | 17.2 | 345.6 | 0 | 25.6 | 92 | 19.2 | 351.8 | 0 | 26.0 | 85 | 18.1 | 349.4 | 0 | 27.0 | 78 | 17.6 | 349.4 | 0 | SFC. |
| | SURFACE PRESSURE 1010.5 | | | | | SURFACE PRESSURE 1009.7 | | | | | SURFACE PRESSURE 1010.1 | | | | | SURFACE PRESSURE 1009.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/27 11 4 GMT T | RH | W | EPT | H | 3/28 024 GMT T | RH | W | EPT | H | 3/28 1140 GMT T | RH | W | EPT | H | 3/28 2325 GMT T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | -67.8 | 0 | 0.0 | 459.2 | 19476 | -67.1 | 0 | 0.0 | 460.7 | 19543 | -71.5 | 0 | 0.0 | 450.9 | 19563 | 0.0 | 0 | 0.0 | 0.0 | 0 | 60 |
| 70 | -71.6 | 0 | 0.0 | 431.1 | 18558 | -66.4 | 0 | 0.0 | 442.4 | 18606 | -73.8 | 0 | 0.0 | 426.5 | 18655 | 0.0 | 0 | 0.0 | 0.0 | 0 | 70 |
| 80 | -74.2 | 0 | 0.0 | 409.6 | 17770 | -74.2 | 0 | 0.0 | 409.7 | 17817 | -75.5 | 0 | 0.0 | 407.0 | 17884 | 0.0 | 0 | 0.0 | 0.0 | 0 | 80 |
| 90 | -81.1 | 0 | 0.0 | 382.4 | 17096 | -75.7 | 0 | 0.0 | 393.2 | 17131 | -76.4 | 0 | 0.0 | 391.8 | 17204 | 0.0 | 0 | 0.0 | 0.0 | 0 | 90 |
| 100 | -80.3 | 0 | 0.0 | 372.6 | 16505 | -78.0 | 0 | 0.0 | 377.0 | 16529 | -77.2 | 0 | 0.0 | 378.7 | 16598 | 0.0 | 0 | 0.0 | 0.0 | 0 | 100 |
| 110 | -76.6 | 0 | 0.0 | 369.5 | 15962 | -76.0 | 0 | 0.0 | 370.7 | 15981 | -76.4 | 0 | 0.0 | 370.0 | 16051 | 0.0 | 0 | 0.0 | 0.0 | 0 | 110 |
| 120 | -73.3 | 0 | 0.0 | 366.5 | 15457 | -74.1 | 0 | 0.0 | 365.0 | 15476 | -73.4 | 0 | 0.0 | 366.2 | 15546 | 0.0 | 0 | 0.0 | 0.0 | 0 | 120 |
| 130 | -71.5 | 0 | 0.0 | 361.4 | 14985 | -72.4 | 0 | 0.0 | 359.9 | 15008 | -70.8 | 0 | 0.0 | 362.8 | 15074 | 0.0 | 0 | 0.0 | 0.0 | 0 | 130 |
| 140 | -71.6 | 0 | 0.0 | 353.6 | 14548 | -70.8 | 0 | 0.0 | 355.1 | 14570 | -69.4 | 0 | 0.0 | 357.6 | 14633 | 0.0 | 0 | 0.0 | 0.0 | 0 | 140 |
| 150 | -68.9 | 0 | 0.0 | 351.4 | 14139 | -69.1 | 0 | 0.0 | 351.2 | 14160 | -68.2 | 0 | 0.0 | 352.6 | 14220 | 0.0 | 0 | 0.0 | 0.0 | 0 | 150 |
| 160 | -66.4 | 0 | 0.0 | 349.3 | 13750 | -66.4 | 0 | 0.0 | 349.2 | 13771 | -64.8 | 0 | 0.0 | 351.9 | 13830 | 0.0 | 0 | 0.0 | 0.0 | 0 | 160 |
| 170 | -63.9 | 0 | 0.0 | 347.3 | 13381 | -63.9 | 0 | 0.0 | 347.4 | 13402 | -61.6 | 0 | 0.0 | 351.1 | 13457 | 0.0 | 0 | 0.0 | 0.0 | 0 | 170 |
| 180 | -61.4 | 0 | 0.0 | 345.8 | 13029 | -60.9 | 0 | 0.0 | 346.6 | 13049 | -58.7 | 0 | 0.0 | 350.3 | 13101 | 0.0 | 0 | 0.0 | 0.0 | 0 | 180 |
| 190 | -58.7 | 0 | 0.0 | 344.8 | 12691 | -58.0 | 0 | 0.0 | 345.9 | 12711 | -55.8 | 0 | 0.0 | 349.5 | 12759 | 0.0 | 0 | 0.0 | 0.0 | 0 | 190 |
| 200 | -56.2 | 0 | 0.0 | 343.8 | 12367 | -55.3 | 0 | 0.0 | 345.1 | 12386 | -53.1 | 0 | 0.0 | 348.6 | 12430 | 0.0 | 0 | 0.0 | 0.0 | 0 | 200 |
| 225 | -49.7 | 0 | 0.0 | 342.3 | 11608 | -49.1 | 0 | 0.0 | 343.3 | 11624 | -47.0 | 0 | 0.0 | 346.5 | 11661 | 0.0 | 0 | 0.0 | 0.0 | 0 | 225 |
| 250 | -43.7 | 0 | 0.0 | 341.0 | 10910 | -43.4 | 0 | 0.0 | 341.5 | 10924 | -41.4 | 0 | 0.0 | 344.5 | 10954 | 0.0 | 0 | 0.0 | 0.0 | 0 | 250 |
| 275 | -38.3 | 16 | .1 | 340.1 | 10262 | -38.1 | 18 | .1 | 340.4 | 10275 | -36.2 | 43 | .3 | 343.9 | 10300 | -37.1 | M | M | M | 10221 | 275 |
| 300 | -33.3 | 16 | .1 | 338.9 | 9657 | -32.5 | 16 | .1 | 340.1 | 9669 | -31.4 | 43 | .4 | 342.7 | 9690 | -31.6 | M | M | M | 9612 | 300 |
| 325 | -28.8 | 16 | .2 | 337.8 | 9089 | -27.9 | 15 | .2 | 339.0 | 9099 | -26.9 | 42 | .5 | 341.7 | 9118 | -26.5 | M | M | M | 9040 | 325 |
| 350 | -24.5 | 17 | .2 | 336.7 | 8554 | -24.0 | 16 | .2 | 337.4 | 8563 | -22.8 | 41 | .7 | 340.8 | 8579 | -22.6 | M | M | M | 8500 | 350 |
| 375 | -20.6 | 17 | .3 | 335.7 | 8048 | -20.5 | 16 | .3 | 335.8 | 8056 | -19.8 | 46 | 1.0 | 339.0 | 8070 | -19.0 | M | M | M | 7990 | 375 |
| 400 | -16.9 | 17 | .4 | 334.7 | 7567 | -17.1 | 17 | .4 | 334.4 | 7575 | -17.3 | 52 | 1.3 | 337.2 | 7588 | -17.4 | M | M | M | 7508 | 400 |
| 425 | -13.9 | 22 | .7 | 333.7 | 7109 | -13.7 | 19 | .6 | 333.7 | 7117 | -14.3 | 53 | 1.6 | 336.2 | 7131 | -15.4 | M | M | M | 7053 | 425 |
| 450 | -11.1 | 27 | 1.0 | 332.9 | 6673 | -10.5 | 21 | .8 | 333.1 | 6680 | -10.7 | 49 | 1.8 | 336.3 | 6695 | -12.5 | M | M | M | 6619 | 450 |
| 475 | -8.4 | 32 | 1.4 | 332.4 | 6255 | -7.4 | 23 | 1.1 | 332.6 | 6261 | -7.2 | 45 | 2.1 | 336.3 | 6276 | -9.8 | M | M | M | 6204 | 475 |
| 500 | -5.9 | 36 | 1.8 | 332.1 | 5855 | -5.2 | 25 | 1.3 | 331.3 | 5860 | -4.2 | 44 | 2.4 | 336.4 | 5873 | -7.2 | M | M | M | 5806 | 500 |
| 525 | -3.5 | 36 | 2.0 | 331.1 | 5471 | -3.0 | 27 | 1.6 | 330.2 | 5475 | -2.1 | 52 | 3.2 | 336.7 | 5487 | -4.8 | M | M | M | 5425 | 525 |
| 550 | -1.3 | 35 | 2.2 | 330.1 | 5102 | -1.0 | 28 | 1.8 | 329.2 | 5116 | -.1 | 60 | 4.2 | 337.7 | 5116 | -3.5 | M | M | M | 5058 | 550 |
| 575 | .9 | 34 | 2.4 | 329.2 | 4746 | .9 | 30 | 2.1 | 328.3 | 4750 | 2.4 | 74 | 5.9 | 341.8 | 4757 | -2.2 | M | M | M | 4706 | 575 |
| 600 | 2.9 | 38 | 3.0 | 329.3 | 4403 | 3.1 | 30 | 2.4 | 327.8 | 4406 | 4.4 | 79 | 6.9 | 343.2 | 4411 | .2 | M | M | M | 4367 | 600 |
| 625 | 4.8 | 42 | 3.7 | 329.9 | 4071 | 5.7 | 28 | 2.6 | 327.5 | 4074 | 6.3 | 81 | 7.8 | 344.3 | 4077 | 1.1 | M | M | M | 4039 | 625 |
| 650 | 6.6 | 39 | 3.7 | 328.3 | 3750 | 8.1 | 27 | 2.8 | 327.2 | 3752 | 8.1 | 84 | 8.8 | 345.6 | 3753 | 5.7 | M | M | M | 3723 | 650 |
| 675 | 8.3 | 32 | 3.2 | 325.3 | 3439 | 9.8 | 23 | 2.6 | 325.4 | 3440 | 9.8 | 76 | 8.5 | 343.0 | 3440 | 7.8 | M | M | M | 3413 | 675 |
| 700 | 9.2 | 59 | 6.2 | 332.0 | 3138 | 11.1 | 25 | 2.9 | 324.3 | 3137 | 11.0 | 80 | 9.4 | 343.7 | 3136 | 9.8 | M | M | M | 3113 | 700 |
| 725 | 10.2 | 87 | 9.3 | 338.8 | 2846 | 12.3 | 34 | 4.2 | 326.4 | 2844 | 12.2 | 78 | 9.6 | 342.1 | 2842 | 11.7 | M | M | M | 2821 | 725 |
| 750 | 12.1 | 81 | 9.6 | 338.6 | 2562 | 13.4 | 43 | 5.6 | 328.5 | 2559 | 13.3 | 76 | 9.8 | 340.6 | 2556 | 13.2 | M | M | M | 2538 | 750 |
| 775 | 13.9 | 76 | 9.8 | 338.3 | 2286 | 14.5 | 52 | 6.9 | 330.6 | 2282 | 14.4 | 75 | 10.0 | 339.1 | 2279 | 14.3 | M | M | M | 2262 | 775 |
| 800 | 14.7 | 81 | 10.7 | 338.3 | 2017 | 15.6 | 56 | 7.9 | 331.6 | 2013 | 15.4 | 73 | 10.1 | 337.7 | 2010 | 15.4 | M | M | M | 1994 | 800 |
| 825 | 14.8 | 91 | 11.8 | 338.4 | 1755 | 16.7 | 61 | 8.9 | 332.7 | 1751 | 16.4 | 71 | 10.2 | 336.2 | 1747 | 16.4 | M | M | M | 1734 | 825 |
| 850 | 16.1 | 93 | 12.7 | 339.6 | 1501 | 17.8 | 65 | 9.9 | 333.9 | 1495 | 17.4 | 70 | 10.3 | 334.8 | 1492 | 17.4 | M | M | M | 1480 | 850 |
| 875 | 17.8 | 92 | 13.6 | 341.4 | 1253 | 18.8 | 70 | 10.9 | 335.2 | 1246 | 18.9 | 73 | 11.5 | 336.8 | 1243 | 18.4 | M | M | M | 1233 | 875 |
| 900 | 19.4 | 91 | 14.5 | 343.1 | 1010 | 19.9 | 73 | 12.0 | 336.7 | 1004 | 20.3 | 75 | 12.6 | 339.0 | 1000 | 19.3 | M | M | M | 992 | 900 |
| 925 | 21.0 | 90 | 15.5 | 345.0 | 773 | 21.0 | 77 | 13.1 | 338.4 | 766 | 21.7 | 77 | 13.8 | 341.4 | 762 | 20.4 | M | M | M | 757 | 925 |
| 950 | 22.6 | 89 | 16.4 | 346.8 | 540 | 22.6 | 76 | 14.0 | 340.1 | 534 | 23.1 | 80 | 15.1 | 343.9 | 529 | 22.6 | M | M | M | 527 | 950 |
| 975 | 24.1 | 88 | 17.4 | 348.7 | 312 | 25.0 | 69 | 14.4 | 341.6 | 306 | 24.4 | 82 | 16.5 | 346.6 | 301 | 24.8 | M | M | M | 300 | 975 |
| 1000 | 25.6 | 87 | 18.4 | 350.6 | 89 | 27.0 | 76 | 17.3 | 349.5 | 82 | 25.7 | 84 | 17.8 | 349.4 | 78 | 26.9 | M | M | M | 76 | 1000 |
| SFC. | 26.2 | 87 | 18.8 | 351.4 | 0 | 27.6 | 81 | 19.0 | 354.0 | 0 | 26.2 | 85 | 18.3 | 350.4 | 0 | 27.6 | 78 | 18.3 | 352.1 | 0 | SFC. |
| | SURFACE PRESSURE 1010.1 | | | | | SURFACE PRESSURE 1009.3 | | | | | SURFACE PRESSURE 1008.8 | | | | | SURFACE PRESSURE 1008.6 | | | | | |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA

SHIP SURVEYOR

| P | 3/29 1147 GMT T | RH | W | EPT | H | 3/29 2332 GMT T | RH | W | EPT | H | 3/30 23 4 GMT T | RH | W | EPT | H | T | RH | W | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.4 | 0 | 0.0 | 466.8 | 19483 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 60 |
| 70 | 0.0 | 0 | 0.0 | 0.0 | 0 | -70.9 | 0 | 0.0 | 432.7 | 18555 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 70 |
| 80 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 0 | 0.0 | 408.3 | 17774 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 80 |
| 90 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.9 | 0 | 0.0 | 394.7 | 17091 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 90 |
| 100 | 0.0 | 0 | 0.0 | 0.0 | 0 | -77.8 | 0 | 0.0 | 377.4 | 16485 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 100 |
| 110 | 0.0 | 0 | 0.0 | 0.0 | 0 | -76.2 | 0 | 0.0 | 370.3 | 15938 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 110 |
| 120 | 0.0 | 0 | 0.0 | 0.0 | 0 | -74.3 | 0 | 0.0 | 364.7 | 15434 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 120 |
| 130 | 0.0 | 0 | 0.0 | 0.0 | 0 | -71.9 | 0 | 0.0 | 360.8 | 14965 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 130 |
| 140 | 0.0 | 0 | 0.0 | 0.0 | 0 | -69.7 | 0 | 0.0 | 357.1 | 14526 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 140 |
| 150 | 0.0 | 0 | 0.0 | 0.0 | 0 | -67.6 | 0 | 0.0 | 353.7 | 14112 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 150 |
| 160 | 0.0 | 0 | 0.0 | 0.0 | 0 | -64.9 | 0 | 0.0 | 351.8 | 13722 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 160 |
| 170 | 0.0 | 0 | 0.0 | 0.0 | 0 | -61.9 | 0 | 0.0 | 350.7 | 13349 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 170 |
| 180 | 0.0 | 0 | 0.0 | 0.0 | 0 | -59.0 | 0 | 0.0 | 349.7 | 12993 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 180 |
| 190 | 0.0 | 0 | 0.0 | 0.0 | 0 | -56.3 | 0 | 0.0 | 348.7 | 12652 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 190 |
| 200 | 0.0 | 0 | 0.0 | 0.0 | 0 | -53.8 | 0 | 0.0 | 347.7 | 12324 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 200 |
| 225 | 0.0 | 0 | 0.0 | 0.0 | 0 | -47.8 | 0 | 0.0 | 345.2 | 11557 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 225 |
| 250 | 0.0 | 0 | 0.0 | 0.0 | 0 | -41.0 | 0 | 0.0 | 345.1 | 10851 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 250 |
| 275 | 0.0 | 0 | 0.0 | 0.0 | 0 | -36.3 | 13 | .1 | 342.9 | 10197 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 275 |
| 300 | 0.0 | 0 | 0.0 | 0.0 | 0 | -32.8 | 13 | .1 | 339.5 | 9588 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 300 |
| 325 | 0.0 | 0 | 0.0 | 0.0 | 0 | -29.7 | 13 | .1 | 336.2 | 9022 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 325 |
| 350 | 0.0 | 0 | 0.0 | 0.0 | 0 | -26.2 | 13 | .2 | 334.1 | 8490 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 350 |
| 375 | 0.0 | 0 | 0.0 | 0.0 | 0 | -23.0 | 13 | .2 | 332.1 | 7988 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | : | : | : | 0 | 375 |
| 400 | 0.0 | 0 | 0.0 | 0.0 | 0 | -19.9 | 13 | .3 | 330.1 | 7512 | -19.5 | 10 | .2 | 330.5 | 7510 | 0.0 | : | : | : | 0 | 400 |
| 425 | 0.0 | 0 | 0.0 | 0.0 | 0 | -16.0 | 12 | .3 | 329.6 | 7059 | -16.4 | 12 | .3 | 329.0 | 7057 | 0.0 | : | : | : | 0 | 425 |
| 450 | 0.0 | 0 | 0.0 | 0.0 | 0 | -12.4 | 12 | .4 | 329.1 | 6625 | -13.5 | 13 | .4 | 327.8 | 6624 | 0.0 | : | : | : | 0 | 450 |
| 475 | 0.0 | 0 | 0.0 | 0.0 | 0 | -8.9 | 11 | .5 | 328.6 | 6209 | -10.7 | 14 | .5 | 326.6 | 6211 | 0.0 | : | : | : | 0 | 475 |
| 500 | -7.3 | 45 | 2.0 | 331.0 | 5849 | -9.9 | 30 | 1.1 | 324.8 | 5812 | -8.1 | 16 | .6 | 325.5 | 5815 | 0.0 | : | : | : | 0 | 500 |
| 525 | -3.6 | 40 | 2.3 | 331.8 | 5466 | -7.7 | 34 | 1.4 | 323.9 | 5435 | -5.7 | 16 | .8 | 324.3 | 5434 | 0.0 | : | : | : | 0 | 525 |
| 550 | -1.2 | 44 | 2.8 | 332.0 | 5096 | -4.1 | 26 | 1.3 | 323.7 | 5070 | -3.4 | 16 | .9 | 323.1 | 5068 | 0.0 | : | : | : | 0 | 550 |
| 575 | .4 | 62 | 4.2 | 334.2 | 4741 | -1.0 | 22 | 1.4 | 323.4 | 4718 | -3.0 | 17 | .9 | 319.6 | 4716 | 0.0 | : | : | : | 0 | 575 |
| 600 | 3.0 | 45 | 3.5 | 331.1 | 4397 | 1.5 | 25 | 1.8 | 323.8 | 4377 | -2.3 | 38 | 2.0 | 320.1 | 4379 | 0.0 | : | : | : | 0 | 600 |
| 625 | 5.0 | 39 | 3.4 | 329.5 | 4065 | 4.0 | 27 | 2.2 | 324.4 | 4046 | .3 | 40 | 2.5 | 321.0 | 4053 | 0.0 | : | : | : | 0 | 625 |
| 650 | 7.0 | 34 | 3.3 | 327.7 | 3744 | 6.3 | 30 | 2.7 | 325.1 | 3726 | 3.0 | 36 | 2.6 | 320.8 | 3737 | 0.0 | : | : | : | 0 | 650 |
| 675 | 9.0 | 29 | 3.1 | 325.8 | 3433 | 8.4 | 30 | 3.0 | 324.8 | 3415 | 5.4 | 33 | 2.7 | 320.5 | 3430 | 0.0 | : | : | : | 0 | 675 |
| 700 | 10.8 | 25 | 2.8 | 323.8 | 3131 | 10.1 | 26 | 2.9 | 323.1 | 3114 | 7.2 | 33 | 3.0 | 320.1 | 3132 | 0.0 | : | : | : | 0 | 700 |
| 725 | 12.6 | 20 | 2.5 | 321.6 | 2838 | 11.7 | 23 | 2.8 | 321.3 | 2822 | 9.0 | 34 | 3.3 | 319.8 | 2842 | 0.0 | : | : | : | 0 | 725 |
| 750 | 14.3 | 16 | 2.1 | 319.2 | 2553 | 13.3 | 20 | 2.6 | 319.4 | 2538 | 10.7 | 34 | 3.6 | 319.5 | 2560 | 0.0 | : | : | : | 0 | 750 |
| 775 | 15.7 | 14 | 2.0 | 317.3 | 2276 | 14.7 | 21 | 2.8 | 318.6 | 2262 | 12.3 | 34 | 3.9 | 319.3 | 2286 | 0.0 | : | : | : | 0 | 775 |
| 800 | 16.8 | 14 | 2.1 | 316.0 | 2006 | 15.5 | 36 | 4.9 | 322.9 | 1993 | 13.1 | 31 | 3.7 | 316.5 | 2020 | 0.0 | : | : | : | 0 | 800 |
| 825 | 17.7 | 26 | 4.0 | 319.9 | 1744 | 15.2 | 74 | 9.9 | 333.7 | 1732 | 13.6 | 57 | 6.7 | 323.0 | 1761 | 0.0 | : | : | : | 0 | 825 |
| 850 | 18.2 | 56 | 8.6 | 330.9 | 1489 | 16.5 | 74 | 10.3 | 333.5 | 1478 | 14.9 | 59 | 7.5 | 323.8 | 1509 | 0.0 | : | : | : | 0 | 850 |
| 875 | 20.0 | 46 | 7.8 | 327.8 | 1239 | 17.8 | 71 | 10.5 | 332.9 | 1230 | 16.3 | 59 | 7.8 | 323.7 | 1262 | 0.0 | : | : | : | 0 | 875 |
| 900 | 20.8 | 76 | 13.2 | 341.2 | 996 | 19.3 | 74 | 11.7 | 335.1 | 987 | 17.7 | 58 | 8.2 | 323.7 | 1022 | 0.0 | : | : | : | 0 | 900 |
| 925 | 20.3 | 94 | 15.4 | 343.8 | 758 | 20.8 | 77 | 13.1 | 338.1 | 750 | 19.0 | 57 | 8.6 | 323.6 | 787 | 0.0 | : | : | : | 0 | 925 |
| 950 | 21.2 | 91 | 15.4 | 342.2 | 526 | 22.3 | 81 | 14.6 | 341.4 | 518 | 19.7 | 73 | 11.1 | 328.8 | 557 | 0.0 | : | : | : | 0 | 950 |
| 975 | 23.1 | 84 | 15.5 | 342.2 | 300 | 23.8 | 84 | 16.2 | 344.9 | 291 | 21.6 | 65 | 10.9 | 328.1 | 332 | 0.0 | : | : | : | 0 | 975 |
| 1000 | 25.0 | 77 | 15.4 | 341.7 | 77 | 25.2 | 87 | 17.8 | 348.6 | 68 | 23.9 | 72 | 13.5 | 335.1 | 111 | 0.0 | : | : | : | 0 | 1000 |
| SFC. | 25.6 | 74 | 15.3 | 341.5 | 0 | 25.6 | 88 | 18.4 | 349.8 | 0 | 25.0 | 75 | 14.9 | 339.2 | 0 | 0.0 | : | : | : | 0 | SFC. |
| | SURFACE PRESSURE | | | | 1008.8 | SURFACE PRESSURE | | | | 1007.7 | SURFACE PRESSURE | | | | 1012.7 | SURFACE PRESSURE | | | | | |

# APPENDIX C: THERMODYNAMIC DATA ABOVE 60 mb

Palmyra Island . . . . . .
Fanning Island . . . . . .
Christmas Island . . . . . .

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

| P | 2/25 035 GMT T | EPT | H | 2/25 1258 GMT T | EPT | H | 2/26 017 GMT T | EPT | H | 2/26 12 0 GMT T | EPT | H | 2/27 0 1 GMT T | EPT | H | 2/27 12 0 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | -38.7 | 1137 | 37175 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -29.2 | 1110 | 36085 | -40.1 | 1061 | 35648 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -32.6 | 1039 | 34788 | -41.2 | 1002 | 34406 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -34.4 | 987 | 33709 | -42.2 | 955 | 33362 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -34.4 | 950 | 32775 | -43.0 | 916 | 32460 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -35.1 | 916 | 31951 | -43.7 | 882 | 31667 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -38.8 | 875 | 31223 | -44.4 | 854 | 30961 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -40.4 | 825 | 29979 | -46.2 | 804 | 29744 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -41.8 | 784 | 28926 | -47.6 | 765 | 28722 | 0.0 | 0 | 0 | -54.6 | 741 | 28783 | -48.9 | 760 | 28801 | 0.0 | 0 | 0 | 14 |
| 16 | -47.3 | 737 | 28032 | -49.8 | 729 | 27844 | 0.0 | 0 | 0 | -49.4 | 730 | 27918 | -47.8 | 735 | 27924 | 0.0 | 0 | 0 | 16 |
| 18 | -46.5 | 715 | 27249 | -52.5 | 696 | 27078 | 0.0 | 0 | 0 | -47.7 | 711 | 27140 | -45.0 | 720 | 27142 | -48.4 | 709 | 27235 | 18 |
| 20 | -48.6 | 688 | 26554 | -54.9 | 668 | 26401 | 0.0 | 0 | 0 | -48.9 | 686 | 26447 | -50.3 | 682 | 26446 | -47.7 | 690 | 26540 | 20 |
| 25 | -50.2 | 640 | 25092 | -51.3 | 637 | 24963 | 0.0 | 0 | 0 | -50.9 | 638 | 24990 | -55.2 | 626 | 25014 | -53.4 | 631 | 25094 | 25 |
| 30 | -56.1 | 592 | 23926 | -55.3 | 594 | 23785 | 0.0 | 0 | 0 | -58.8 | 584 | 23814 | -55.5 | 593 | 23851 | -54.5 | 596 | 23924 | 30 |
| 35 | -56.6 | 565 | 22947 | -60.2 | 556 | 22813 | -55.4 | 568 | 22802 | -58.9 | 559 | 22843 | -57.3 | 563 | 22871 | -55.4 | 568 | 22939 | 35 |
| 40 | -57.1 | 542 | 22101 | -59.8 | 536 | 21979 | -60.7 | 533 | 21961 | -60.5 | 534 | 22009 | -61.0 | 533 | 22034 | -60.0 | 535 | 22096 | 40 |
| 45 | -57.5 | 523 | 21357 | -59.5 | 519 | 21243 | -62.0 | 513 | 21232 | -62.0 | 513 | 21278 | -64.2 | 507 | 21308 | -58.7 | 521 | 21360 | 45 |
| 50 | -60.6 | 501 | 20694 | -63.5 | 494 | 20588 | -62.4 | 496 | 20581 | -60.5 | 501 | 20624 | -61.3 | 499 | 20660 | -61.2 | 499 | 20701 | 50 |
| 55 | -64.2 | 479 | 20107 | -66.5 | 474 | 20008 | -65.2 | 477 | 19997 | -62.9 | 482 | 20031 | -62.7 | 482 | 20071 | -64.0 | 479 | 20114 | 55 |
| 60 | -66.9 | 461 | 19578 | -68.1 | 459 | 19484 | -69.7 | 455 | 19473 | -70.7 | 453 | 19505 | -63.0 | 470 | 19536 | -65.7 | 464 | 19583 | 60 |

| P | 2/28 714 GMT T | EPT | H | 2/28 1147 GMT T | EPT | H | 2/28 1815 GMT T | EPT | H | 3/ 1 148 GMT T | EPT | H | 3/ 1 550 GMT T | EPT | H | 3/ 1 1248 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -37.0 | 1075 | 35678 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -41.1 | 1003 | 34428 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -44.5 | 945 | 33388 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.8 | 969 | 33501 | 0.0 | 0 | 0 | 7 |
| 8 | -43.2 | 915 | 32491 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.6 | 933 | 32584 | 0.0 | 0 | 0 | 8 |
| 9 | -42.0 | 889 | 31696 | -42.6 | 887 | 31834 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.5 | 903 | 31775 | 0.0 | 0 | 0 | 9 |
| 10 | -43.0 | 859 | 30984 | -42.5 | 861 | 31122 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.3 | 877 | 31051 | 0.0 | 0 | 0 | 10 |
| 12 | -44.6 | 810 | 29760 | -44.2 | 811 | 29895 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.2 | 822 | 29800 | 0.0 | 0 | 0 | 12 |
| 14 | -47.6 | 765 | 28740 | -44.1 | 777 | 28864 | -45.6 | 771 | 28857 | 0.0 | 0 | 0 | -46.3 | 769 | 28765 | 0.0 | 0 | 0 | 14 |
| 16 | -50.4 | 727 | 27867 | -45.9 | 742 | 27968 | -51.8 | 722 | 27975 | 0.0 | 0 | 0 | -49.0 | 731 | 27883 | 0.0 | 0 | 0 | 16 |
| 18 | -49.0 | 707 | 27097 | -50.7 | 702 | 27192 | -49.5 | 706 | 27207 | 0.0 | 0 | 0 | -50.0 | 704 | 27111 | 0.0 | 0 | 0 | 18 |
| 20 | -52.1 | 677 | 26411 | -51.0 | 680 | 26506 | -48.9 | 686 | 26515 | 0.0 | 0 | 0 | -50.8 | 681 | 26424 | 0.0 | 0 | 0 | 20 |
| 25 | -54.5 | 628 | 24972 | -51.7 | 636 | 25057 | -51.8 | 636 | 25057 | -52.9 | 633 | 25041 | -55.6 | 625 | 24988 | -57.7 | 619 | 24858 | 25 |
| 30 | -57.1 | 589 | 23816 | -52.3 | 602 | 23876 | -55.4 | 594 | 23888 | -56.9 | 590 | 23876 | -55.0 | 595 | 23822 | -59.7 | 582 | 23714 | 30 |
| 35 | -58.8 | 559 | 22842 | -54.9 | 569 | 22885 | -54.9 | 569 | 22904 | -58.3 | 561 | 22906 | -59.2 | 558 | 22847 | -59.5 | 557 | 22750 | 35 |
| 40 | -61.7 | 531 | 22009 | -57.2 | 542 | 22036 | -56.8 | 543 | 22052 | -56.6 | 544 | 22062 | -60.9 | 533 | 22015 | -59.4 | 537 | 21914 | 40 |
| 45 | -61.9 | 513 | 21281 | -59.2 | 519 | 21295 | -60.8 | 516 | 21314 | -58.2 | 522 | 21316 | -61.9 | 513 | 21284 | -62.2 | 512 | 21182 | 45 |
| 50 | -65.1 | 490 | 20632 | -62.7 | 496 | 20638 | -66.7 | 486 | 20665 | -61.5 | 499 | 20658 | -62.7 | 496 | 20633 | -66.2 | 487 | 20536 | 50 |
| 55 | -66.7 | 473 | 20054 | -68.4 | 469 | 20059 | -65.2 | 477 | 20087 | -64.5 | 478 | 20071 | -63.5 | 481 | 20047 | -68.3 | 470 | 19963 | 55 |
| 60 | -67.3 | 460 | 19529 | -65.6 | 464 | 19534 | -66.8 | 461 | 19557 | -62.6 | 471 | 19537 | -64.3 | 467 | 19514 | -72.5 | 449 | 19444 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

| P | 3/ 1 2315 GMT T | EPT | H | 3/ 2 520 GMT T | EPT | H | 3/ 2 1115 GMT T | EPT | H | 3/ 2 2315 GMT T | EPT | H | 3/ 3 1130 GMT T | EPT | H | 3/ 3 18 0 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | -40.0 | 1007 | 34229 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -32.9 | 993 | 33569 | -40.2 | 963 | 33177 | 0.0 | 0 | 0 | -36.9 | 977 | 33696 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -34.0 | 951 | 32632 | -40.5 | 926 | 32267 | 0.0 | 0 | 0 | -37.9 | 936 | 32774 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -35.0 | 916 | 31809 | -42.7 | 886 | 31467 | 0.0 | 0 | 0 | -38.8 | 902 | 31964 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -35.9 | 886 | 31076 | -45.3 | 850 | 30760 | 0.0 | 0 | 0 | -39.6 | 872 | 31242 | -42.7 | 860 | 31112 | 0.0 | 0 | 0 | 10 |
| 12 | -43.0 | 815 | 29828 | -49.5 | 792 | 29555 | 0.0 | 0 | 0 | -43.1 | 815 | 30004 | -42.0 | 819 | 29880 | 0.0 | 0 | 0 | 12 |
| 14 | -45.6 | 771 | 28799 | -49.6 | 758 | 28545 | 0.0 | 0 | 0 | -46.0 | 770 | 28972 | -43.4 | 779 | 28837 | 0.0 | 0 | 0 | 14 |
| 16 | -44.7 | 745 | 27907 | -49.6 | 730 | 27671 | 0.0 | 0 | 0 | -48.5 | 733 | 28089 | -46.4 | 740 | 27945 | 0.0 | 0 | 0 | 16 |
| 18 | -48.1 | 710 | 27125 | -49.6 | 705 | 26900 | 0.0 | 0 | 0 | -47.6 | 712 | 27315 | -49.0 | 707 | 27167 | 0.0 | 0 | 0 | 18 |
| 20 | -48.2 | 689 | 26431 | -49.7 | 684 | 26210 | 0.0 | 0 | 0 | -48.8 | 687 | 26621 | -50.2 | 683 | 26477 | -50.1 | 683 | 26500 | 20 |
| 25 | -50.5 | 639 | 24967 | -56.9 | 621 | 24764 | 0.0 | 0 | 0 | -47.5 | 648 | 25156 | -51.9 | 636 | 25028 | -52.2 | 635 | 25048 | 25 |
| 30 | -54.1 | 597 | 23788 | -59.7 | 582 | 23617 | 0.0 | 0 | 0 | -52.8 | 601 | 23961 | -50.0 | 608 | 23841 | -51.7 | 604 | 23867 | 30 |
| 35 | -57.9 | 561 | 22803 | -62.1 | 550 | 22659 | 0.0 | 0 | 0 | -53.2 | 574 | 22967 | -54.2 | 571 | 22845 | -54.2 | 571 | 22877 | 35 |
| 40 | -61.2 | 532 | 21970 | -64.2 | 525 | 21837 | 0.0 | 0 | 0 | -55.7 | 546 | 22110 | -55.8 | 546 | 21992 | -55.1 | 547 | 22021 | 40 |
| 45 | -60.8 | 515 | 21239 | -63.1 | 510 | 21116 | 0.0 | 0 | 0 | -59.4 | 519 | 21366 | -58.8 | 520 | 21246 | -58.4 | 521 | 21275 | 45 |
| 50 | -60.0 | 502 | 20583 | -65.3 | 490 | 20472 | -65.4 | 489 | 20590 | -59.4 | 504 | 20709 | -63.0 | 495 | 20591 | -61.3 | 499 | 20617 | 50 |
| 55 | -62.4 | 483 | 19991 | -66.0 | 475 | 19892 | -65.3 | 476 | 20010 | -61.3 | 486 | 20115 | -64.2 | 479 | 20007 | -64.0 | 479 | 20029 | 55 |
| 60 | -63.3 | 469 | 19456 | -66.7 | 462 | 19365 | -65.2 | 465 | 19480 | -63.1 | 470 | 19577 | -65.4 | 465 | 19476 | -65.6 | 464 | 19498 | 60 |

| P | 3/ 4 1130 GMT T | EPT | H | 3/ 4 18 0 GMT T | EPT | H | 3/ 4 2335 GMT T | EPT | H | 3/ 5 1150 GMT T | EPT | H | 3/ 5 1835 GMT T | EPT | H | 3/ 6 012 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -40.1 | 1061 | 35553 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -42.0 | 998 | 34314 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.5 | 1027 | 34561 | 6 |
| 7 | -43.7 | 948 | 33275 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.3 | 971 | 33494 | 7 |
| 8 | -45.1 | 907 | 32380 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.7 | 945 | 32591 | -40.2 | 927 | 32580 | 8 |
| 9 | -46.4 | 872 | 31596 | 0.0 | 0 | 0 | -38.0 | 905 | 31731 | 0.0 | 0 | 0 | -38.6 | 902 | 31777 | -41.4 | 892 | 31779 | 9 |
| 10 | -47.5 | 842 | 30898 | 0.0 | 0 | 0 | -39.7 | 871 | 31008 | 0.0 | 0 | 0 | -41.2 | 866 | 31058 | -42.5 | 861 | 31065 | 10 |
| 12 | -47.8 | 798 | 29694 | 0.0 | 0 | 0 | -40.3 | 825 | 29763 | -45.3 | 807 | 29802 | -43.3 | 814 | 29825 | -44.2 | 811 | 29838 | 12 |
| 14 | -47.4 | 765 | 28675 | -44.9 | 774 | 28930 | -45.8 | 771 | 28724 | -46.3 | 769 | 28776 | -45.1 | 773 | 28791 | -47.7 | 764 | 28810 | 14 |
| 16 | -47.0 | 738 | 27792 | -46.6 | 739 | 28038 | -50.6 | 726 | 27845 | -47.1 | 738 | 27890 | -47.8 | 735 | 27908 | -48.8 | 732 | 27929 | 16 |
| 18 | -51.5 | 699 | 27025 | -47.5 | 712 | 27261 | -53.0 | 695 | 27078 | -47.8 | 711 | 27112 | -47.7 | 711 | 27130 | -49.1 | 707 | 27158 | 18 |
| 20 | -49.7 | 684 | 26338 | -50.3 | 682 | 26571 | -54.7 | 669 | 26399 | -49.4 | 685 | 26418 | -47.6 | 691 | 26434 | -52.7 | 675 | 26472 | 20 |
| 25 | -54.9 | 627 | 24897 | -50.6 | 639 | 25116 | -52.1 | 635 | 24963 | -54.1 | 629 | 24973 | -54.7 | 627 | 24988 | -54.3 | 629 | 25039 | 25 |
| 30 | -57.0 | 589 | 23737 | -55.4 | 594 | 23946 | -57.7 | 587 | 23803 | -54.6 | 596 | 23805 | -54.9 | 595 | 23825 | -55.9 | 592 | 23877 | 30 |
| 35 | -55.0 | 569 | 22753 | -55.0 | 569 | 22962 | -57.6 | 562 | 22830 | -55.1 | 569 | 22820 | -55.9 | 567 | 22839 | -57.3 | 563 | 22898 | 35 |
| 40 | -56.5 | 544 | 21903 | -52.5 | 554 | 22105 | -55.4 | 547 | 21985 | -55.4 | 547 | 21968 | -55.1 | 548 | 21988 | -57.5 | 541 | 22054 | 40 |
| 45 | -64.6 | 506 | 21174 | -55.9 | 528 | 21345 | -56.7 | 526 | 21231 | -59.6 | 518 | 21222 | -59.3 | 519 | 21242 | -59.1 | 520 | 21312 | 45 |
| 50 | -66.0 | 488 | 20533 | -61.0 | 500 | 20684 | -62.6 | 496 | 20574 | -64.3 | 492 | 20571 | -60.5 | 501 | 20584 | -61.4 | 499 | 20655 | 50 |
| 55 | -67.2 | 472 | 19957 | -62.5 | 483 | 20094 | -65.8 | 475 | 19991 | -68.5 | 469 | 19994 | -61.5 | 485 | 19992 | -63.5 | 481 | 20067 | 55 |
| 60 | -68.4 | 458 | 19433 | -63.7 | 468 | 19559 | -67.4 | 460 | 19465 | -68.5 | 458 | 19473 | -65.1 | 465 | 19456 | -66.6 | 462 | 19536 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

| P | 3/ 6 6 5 GMT T | EPT | H | 3/ 6 2340 GMT T | EPT | H | 3/ 7 542 GMT T | EPT | H | 3/ 9 1125 GMT T | EPT | H | 3/ 9 2350 GMT T | EPT | H | 3/10 1135 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.2 | 1154 | 37231 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.3 | 1069 | 35686 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.4 | 1014 | 34484 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -40.8 | 1004 | 34438 | 6 |
| 7 | 0.0 | 0 | 0 | -37.8 | 973 | 33635 | -41.7 | 957 | 33431 | -38.0 | 972 | 33425 | -32.9 | 993 | 33643 | -40.9 | 960 | 33390 | 7 |
| 8 | 0.0 | 0 | 0 | -39.1 | 931 | 32717 | -44.5 | 910 | 32531 | -38.8 | 932 | 32507 | -34.6 | 949 | 32707 | -40.9 | 924 | 32481 | 8 |
| 9 | 0.0 | 0 | 0 | -40.3 | 896 | 31912 | -45.6 | 876 | 31745 | -39.5 | 899 | 31699 | -39.6 | 898 | 31893 | -41.0 | 893 | 31680 | 9 |
| 10 | 0.0 | 0 | 0 | -41.3 | 865 | 31195 | -46.5 | 846 | 31044 | -40.1 | 870 | 30979 | -39.9 | 871 | 31173 | -43.6 | 857 | 30968 | 10 |
| 12 | -44.2 | 811 | 29824 | -43.9 | 812 | 29968 | -45.4 | 807 | 29824 | -44.0 | 812 | 29745 | -42.2 | 818 | 29934 | -44.9 | 809 | 29746 | 12 |
| 14 | -44.5 | 775 | 28791 | -46.6 | 768 | 28939 | -48.9 | 760 | 28804 | -47.3 | 766 | 28718 | -44.0 | 777 | 28890 | -48.5 | 762 | 28720 | 14 |
| 16 | -45.7 | 742 | 27899 | -47.7 | 736 | 28056 | -47.9 | 735 | 27925 | -51.6 | 723 | 27849 | -44.4 | 747 | 27993 | -48.3 | 734 | 27847 | 16 |
| 18 | -46.7 | 714 | 27116 | -48.6 | 708 | 27280 | -49.6 | 705 | 27151 | -50.4 | 703 | 27083 | -45.8 | 717 | 27207 | -51.0 | 701 | 27077 | 18 |
| 20 | -50.5 | 682 | 26423 | -49.0 | 686 | 26588 | -51.1 | 680 | 26464 | -55.5 | 666 | 26403 | -48.6 | 687 | 26508 | -53.5 | 672 | 26395 | 20 |
| 25 | -57.3 | 620 | 24994 | -53.5 | 631 | 25129 | -55.5 | 625 | 25020 | -54.6 | 628 | 24973 | -54.7 | 627 | 25066 | -53.6 | 631 | 24960 | 25 |
| 30 | -58.0 | 586 | 23843 | -56.1 | 592 | 23966 | -59.7 | 582 | 23867 | -55.8 | 592 | 23809 | -56.0 | 592 | 23904 | -58.0 | 587 | 23794 | 30 |
| 35 | -58.7 | 560 | 22874 | -56.3 | 566 | 22987 | -58.9 | 559 | 22902 | -56.9 | 564 | 22831 | -58.5 | 560 | 22926 | -58.2 | 561 | 22824 | 35 |
| 40 | -59.2 | 537 | 22036 | -56.3 | 544 | 22138 | -61.6 | 531 | 22069 | -57.8 | 541 | 21987 | -58.0 | 540 | 22086 | -58.5 | 539 | 21984 | 40 |
| 45 | -61.2 | 515 | 21299 | -59.6 | 518 | 21395 | -60.8 | 516 | 21338 | -58.6 | 521 | 21245 | -60.7 | 516 | 21345 | -62.7 | 511 | 21250 | 45 |
| 50 | -61.2 | 499 | 20645 | -63.3 | 494 | 20742 | -65.6 | 489 | 20689 | -62.3 | 497 | 20587 | -59.8 | 502 | 20684 | -62.9 | 495 | 20601 | 50 |
| 55 | -61.2 | 486 | 20054 | -65.6 | 476 | 20160 | -67.9 | 471 | 20113 | -64.4 | 479 | 20003 | -61.8 | 485 | 20093 | -63.0 | 482 | 20015 | 55 |
| 60 | -61.2 | 474 | 19514 | -63.9 | 468 | 19629 | -68.1 | 459 | 19591 | -65.8 | 464 | 19472 | -61.9 | 472 | 19554 | -66.1 | 463 | 19481 | 60 |

| P | 3/10 2335 GMT T | EPT | H | 3/11 1810 GMT T | EPT | H | 3/11 2355 GMT T | EPT | H | 3/12 1155 GMT T | EPT | H | 3/12 2351 GMT T | EPT | H | 3/16 1130 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -31.1 | 1174 | 37460 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -32.9 | 1093 | 35884 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.1 | 1020 | 34613 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.3 | 971 | 33550 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.3 | 930 | 32633 | 0.0 | 0 | 0 | 8 |
| 9 | -41.6 | 891 | 31809 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -43.0 | 885 | 31833 | 0.0 | 0 | 0 | 9 |
| 10 | -41.8 | 864 | 31095 | 0.0 | 0 | 0 | -37.8 | 878 | 31201 | 0.0 | 0 | 0 | -43.9 | 856 | 31124 | -44.2 | 855 | 30981 | 10 |
| 12 | -41.6 | 820 | 29859 | 0.0 | 0 | 0 | -41.4 | 821 | 29951 | -48.1 | 797 | 29766 | -42.4 | 818 | 29900 | -47.2 | 801 | 29767 | 12 |
| 14 | -41.5 | 785 | 28814 | 0.0 | 0 | 0 | -46.3 | 769 | 28916 | -48.0 | 763 | 28749 | -43.5 | 779 | 28865 | -45.6 | 771 | 28743 | 14 |
| 16 | -41.4 | 756 | 27908 | 0.0 | 0 | 0 | -50.6 | 726 | 28037 | -50.4 | 727 | 27871 | -47.7 | 736 | 27975 | -49.4 | 730 | 27861 | 16 |
| 18 | -49.3 | 706 | 27122 | 0.0 | 0 | 0 | -46.7 | 714 | 27263 | -52.0 | 698 | 27108 | -50.2 | 703 | 27203 | -49.3 | 706 | 27092 | 18 |
| 20 | -53.4 | 673 | 26438 | 0.0 | 0 | 0 | -47.9 | 690 | 26566 | -50.9 | 680 | 26424 | -51.4 | 679 | 26517 | -49.6 | 684 | 26399 | 20 |
| 25 | -51.6 | 636 | 24996 | 0.0 | 0 | 0 | -54.4 | 628 | 25122 | -53.5 | 631 | 24972 | -52.7 | 633 | 25074 | -55.3 | 626 | 24963 | 25 |
| 30 | -56.4 | 591 | 23819 | 0.0 | 0 | 0 | -55.2 | 594 | 23956 | -54.5 | 596 | 23802 | -51.9 | 603 | 23895 | -55.7 | 593 | 23801 | 30 |
| 35 | -61.1 | 553 | 22851 | 0.0 | 0 | 0 | -56.3 | 566 | 22975 | -58.4 | 560 | 22821 | -53.4 | 573 | 22897 | -56.1 | 566 | 22820 | 35 |
| 40 | -57.7 | 541 | 22015 | 0.0 | 0 | 0 | -61.8 | 531 | 22134 | -63.8 | 526 | 21992 | -60.5 | 534 | 22050 | -59.2 | 537 | 21975 | 40 |
| 45 | -57.1 | 525 | 21270 | 0.0 | 0 | 0 | -58.6 | 521 | 21399 | -63.6 | 509 | 21269 | -62.7 | 511 | 21323 | -63.6 | 509 | 21244 | 45 |
| 50 | -57.1 | 509 | 20603 | -61.4 | 499 | 20608 | -62.8 | 496 | 20742 | -63.4 | 494 | 20622 | -62.4 | 496 | 20673 | -66.2 | 488 | 20603 | 50 |
| 55 | -63.7 | 480 | 20010 | -64.5 | 478 | 20022 | -61.8 | 485 | 20153 | -63.2 | 481 | 20036 | -62.1 | 484 | 20084 | -67.5 | 471 | 20027 | 55 |
| 60 | -66.1 | 463 | 19476 | -66.4 | 462 | 19493 | -63.9 | 468 | 19616 | -65.0 | 465 | 19503 | -64.1 | 467 | 19547 | -68.7 | 457 | 19504 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

| P | 3/17 1213 GMT T | EPT | H | 3/17 2317 GMT T | EPT | H | 3/18 1229 GMT T | EPT | H | 3/18 2315 GMT T | EPT | H | 3/19 1145 GMT T | EPT | H | 3/19 2320 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.7 | 945 | 32659 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -41.4 | 892 | 31758 | -41.3 | 892 | 31972 | 0.0 | 0 | 0 | -36.8 | 909 | 31842 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -41.5 | 865 | 31043 | -40.2 | 870 | 31255 | 0.0 | 0 | 0 | -37.8 | 878 | 31114 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -41.3 | 821 | 29806 | -39.7 | 827 | 30010 | 0.0 | 0 | 0 | -42.5 | 817 | 29870 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -45.1 | 773 | 28768 | -43.5 | 779 | 28962 | 0.0 | 0 | 0 | -43.5 | 779 | 28835 | -45.7 | 771 | 28778 | 0.0 | 0 | 0 | 14 |
| 16 | -48.3 | 734 | 27882 | -46.6 | 739 | 28070 | 0.0 | 0 | 0 | -49.1 | 731 | 27948 | -47.1 | 738 | 27892 | 0.0 | 0 | 0 | 16 |
| 18 | -49.0 | 707 | 27104 | -49.9 | 704 | 27296 | 0.0 | 0 | 0 | -49.1 | 707 | 27175 | -48.3 | 709 | 27114 | 0.0 | 0 | 0 | 18 |
| 20 | -53.0 | 674 | 26419 | -51.9 | 677 | 26610 | 0.0 | 0 | 0 | -49.1 | 686 | 26484 | -49.4 | 685 | 26422 | 0.0 | 0 | 0 | 20 |
| 25 | -56.3 | 623 | 24995 | -52.9 | 633 | 25172 | -55.3 | 626 | 24973 | -50.0 | 641 | 25026 | -51.8 | 636 | 24968 | 0.0 | 0 | 0 | 25 |
| 30 | -53.8 | 598 | 23830 | -53.1 | 600 | 23994 | -56.4 | 591 | 23813 | -53.7 | 598 | 23846 | -53.7 | 598 | 23791 | 0.0 | 0 | 0 | 30 |
| 35 | -54.8 | 569 | 22841 | -55.4 | 568 | 23006 | -58.0 | 561 | 22837 | -57.9 | 561 | 22869 | -57.9 | 562 | 22797 | -54.3 | 571 | 22899 | 35 |
| 40 | -60.0 | 535 | 21996 | -58.3 | 539 | 22156 | -62.1 | 530 | 22003 | -55.9 | 545 | 22023 | -61.6 | 531 | 21968 | -54.2 | 550 | 22042 | 40 |
| 45 | -59.6 | 518 | 21260 | -58.7 | 521 | 21415 | -62.9 | 510 | 21277 | -58.8 | 520 | 21279 | -62.0 | 513 | 21239 | -65.5 | 504 | 21305 | 45 |
| 50 | -64.8 | 491 | 20607 | -59.0 | 504 | 20754 | -63.6 | 494 | 20629 | -58.4 | 506 | 20619 | -62.3 | 497 | 20588 | -63.0 | 495 | 20660 | 50 |
| 55 | -66.9 | 473 | 20030 | -62.8 | 482 | 20162 | -61.2 | 486 | 20039 | -63.2 | 481 | 20026 | -62.6 | 483 | 20000 | -61.6 | 485 | 20071 | 55 |
| 60 | -66.0 | 463 | 19504 | -66.3 | 463 | 19630 | -64.8 | 466 | 19503 | -66.4 | 462 | 19496 | -62.9 | 470 | 19464 | -64.1 | 467 | 19535 | 60 |

| P | 3/20 2325 GMT T | EPT | H | 3/21 1210 GMT T | EPT | H | 3/22 12 0 GMT T | EPT | H | 3/23 1115 GMT T | EPT | H | 3/23 2358 GMT T | EPT | H | 3/24 1155 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | -28.2 | 1449 | 42182 | -35.1 | 1408 | 42062 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | -21.0 | 1328 | 39667 | -32.2 | 1269 | 39297 | -36.9 | 1244 | 39246 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | -24.1 | 1208 | 37556 | -35.0 | 1155 | 37279 | -38.2 | 1140 | 37261 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -26.5 | 1123 | 35936 | -37.3 | 1074 | 35730 | -37.9 | 1071 | 35725 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -30.4 | 1049 | 34629 | -39.1 | 1011 | 34476 | -37.7 | 1017 | 34468 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -33.7 | 990 | 33541 | -40.6 | 961 | 33422 | -37.5 | 974 | 33405 | -41.4 | 958 | 33425 | 0.0 | 0 | 0 | -38.4 | 970 | 33305 | 7 |
| 8 | -36.5 | 941 | 32610 | -41.9 | 920 | 32515 | -41.5 | 922 | 32491 | -41.1 | 923 | 32519 | 0.0 | 0 | 0 | -41.2 | 923 | 32392 | 8 |
| 9 | -39.1 | 901 | 31798 | -43.7 | 882 | 31721 | -45.0 | 878 | 31698 | -40.9 | 893 | 31718 | -37.0 | 908 | 31841 | -43.6 | 883 | 31596 | 9 |
| 10 | -41.3 | 865 | 31079 | -45.4 | 850 | 31016 | -45.0 | 852 | 30994 | -42.3 | 862 | 31003 | -45.7 | 849 | 31126 | -45.8 | 849 | 30892 | 10 |
| 12 | -43.7 | 813 | 29848 | -46.4 | 803 | 29802 | -45.0 | 808 | 29776 | -44.6 | 810 | 29777 | -41.9 | 819 | 29896 | -47.3 | 800 | 29682 | 12 |
| 14 | -45.9 | 771 | 28817 | -47.3 | 766 | 28781 | -48.9 | 760 | 28750 | -46.6 | 768 | 28750 | -41.9 | 784 | 28853 | -51.2 | 752 | 28668 | 14 |
| 16 | -47.8 | 735 | 27932 | -44.5 | 746 | 27896 | -47.9 | 735 | 27871 | -48.3 | 734 | 27867 | -47.1 | 738 | 27958 | -51.9 | 722 | 27801 | 16 |
| 18 | -46.0 | 717 | 27152 | -44.5 | 721 | 27107 | -47.1 | 713 | 27093 | -47.3 | 713 | 27090 | -46.4 | 715 | 27182 | -52.6 | 696 | 27040 | 18 |
| 20 | -49.5 | 685 | 26456 | -53.2 | 673 | 26415 | -46.3 | 694 | 26394 | -50.4 | 682 | 26398 | -48.6 | 687 | 26486 | -50.3 | 682 | 26355 | 20 |
| 25 | -52.0 | 635 | 25010 | -55.1 | 626 | 24991 | -55.9 | 624 | 24961 | -57.0 | 621 | 24964 | -51.7 | 636 | 25021 | -52.6 | 633 | 24907 | 25 |
| 30 | -52.2 | 602 | 23828 | -53.5 | 599 | 23822 | -53.9 | 598 | 23796 | -56.6 | 590 | 23809 | -57.4 | 588 | 23860 | -58.0 | 587 | 23738 | 30 |
| 35 | -54.1 | 571 | 22835 | -56.5 | 565 | 22833 | -57.1 | 564 | 22817 | -56.2 | 566 | 22830 | -57.4 | 563 | 22886 | -58.8 | 559 | 22768 | 35 |
| 40 | -59.2 | 537 | 21984 | -61.8 | 531 | 21996 | -59.4 | 537 | 21976 | -55.9 | 545 | 21981 | -55.6 | 546 | 22039 | -59.4 | 537 | 21931 | 40 |
| 45 | -62.3 | 512 | 21251 | -63.1 | 510 | 21272 | -61.8 | 513 | 21243 | -55.7 | 528 | 21231 | -55.8 | 528 | 21288 | -60.0 | 517 | 21195 | 45 |
| 50 | -65.1 | 490 | 20605 | -62.1 | 497 | 20622 | -64.0 | 493 | 20594 | -68.0 | 483 | 20575 | -57.4 | 508 | 20620 | -60.5 | 501 | 20538 | 50 |
| 55 | -66.4 | 474 | 20027 | -63.1 | 482 | 20033 | -65.9 | 475 | 20013 | -67.9 | 471 | 20002 | -65.7 | 476 | 20032 | -61.0 | 486 | 19945 | 55 |
| 60 | -65.9 | 464 | 19500 | -66.5 | 462 | 19502 | -67.7 | 459 | 19487 | -67.8 | 459 | 19479 | -65.1 | 465 | 19502 | -68.1 | 458 | 19412 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

| P | 3/25 1125 GMT T | EPT | H | 3/25 2337 GMT T | EPT | H | 3/26 1115 GMT T | EPT | H | 3/26 2350 GMT T | EPT | H | 3/27 1150 GMT T | EPT | H | 3/30 12 0 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -25.4 | 1202 | 37547 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -30.8 | 1103 | 35945 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.6 | 1031 | 34662 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -37.8 | 973 | 33499 | 0.0 | 0 | 0 | -35.8 | 981 | 33588 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.9 | 977 | 33452 | 7 |
| 8 | -39.8 | 928 | 32583 | 0.0 | 0 | 0 | -36.9 | 940 | 32662 | 0.0 | 0 | 0 | -39.6 | 929 | 32624 | -40.5 | 926 | 32536 | 8 |
| 9 | -41.5 | 891 | 31781 | 0.0 | 0 | 0 | -38.7 | 902 | 31849 | 0.0 | 0 | 0 | -40.3 | 896 | 31820 | -41.2 | 892 | 31734 | 9 |
| 10 | -43.1 | 859 | 31069 | 0.0 | 0 | 0 | -41.1 | 866 | 31130 | 0.0 | 0 | 0 | -41.0 | 867 | 31102 | -41.9 | 863 | 31020 | 10 |
| 12 | -44.6 | 810 | 29844 | 0.0 | 0 | 0 | -46.1 | 804 | 29904 | -39.0 | 829 | 29944 | -44.5 | 810 | 29872 | -43.5 | 814 | 29789 | 12 |
| 14 | -45.8 | 771 | 28815 | 0.0 | 0 | 0 | -45.9 | 770 | 28879 | -39.9 | 791 | 28890 | -45.5 | 772 | 28844 | -46.4 | 769 | 28757 | 14 |
| 16 | -46.9 | 738 | 27929 | 0.0 | 0 | 0 | -45.7 | 742 | 27990 | -44.5 | 746 | 27987 | -44.5 | 746 | 27952 | -49.2 | 731 | 27872 | 16 |
| 18 | -47.9 | 711 | 27150 | 0.0 | 0 | 0 | -47.1 | 713 | 27207 | -48.3 | 709 | 27205 | -47.3 | 713 | 27168 | -46.0 | 717 | 27094 | 18 |
| 20 | -49.4 | 685 | 26457 | 0.0 | 0 | 0 | -48.4 | 688 | 26512 | -50.5 | 682 | 26516 | -49.8 | 684 | 26475 | -51.8 | 678 | 26406 | 20 |
| 25 | -52.6 | 633 | 25006 | -50.4 | 640 | 25082 | -54.0 | 629 | 25051 | -55.0 | 627 | 25067 | -51.0 | 638 | 25023 | -52.8 | 633 | 24966 | 25 |
| 30 | -55.3 | 594 | 23836 | -52.6 | 601 | 23893 | -53.5 | 599 | 23878 | -53.3 | 599 | 23894 | -58.0 | 587 | 23863 | -51.5 | 604 | 23782 | 30 |
| 35 | -57.5 | 563 | 22857 | -57.5 | 563 | 22912 | -56.0 | 567 | 22895 | -57.6 | 562 | 22911 | -58.6 | 560 | 22891 | -55.6 | 568 | 22788 | 35 |
| 40 | -58.3 | 540 | 22016 | -58.5 | 539 | 22071 | -56.3 | 545 | 22046 | -59.9 | 536 | 22075 | -60.3 | 535 | 22058 | -60.6 | 534 | 21948 | 40 |
| 45 | -63.3 | 510 | 21283 | -64.4 | 507 | 21340 | -56.5 | 526 | 21299 | -59.8 | 518 | 21339 | -59.0 | 520 | 21322 | -61.0 | 515 | 21216 | 45 |
| 50 | -62.6 | 496 | 20635 | -63.7 | 493 | 20695 | -63.9 | 493 | 20637 | -63.1 | 495 | 20683 | -57.9 | 507 | 20660 | -61.3 | 499 | 20562 | 50 |
| 55 | -64.0 | 479 | 20050 | -63.0 | 482 | 20110 | -66.7 | 473 | 20059 | -66.0 | 475 | 20103 | -64.2 | 479 | 20066 | -61.6 | 485 | 19971 | 55 |
| 60 | -65.4 | 465 | 19518 | -62.4 | 471 | 19573 | -67.2 | 460 | 19534 | -65.6 | 464 | 19575 | -66.1 | 463 | 19537 | -64.6 | 466 | 19433 | 60 |

| P | 3/31 2331 GMT T | EPT | H | 4/ 1 2353 GMT T | EPT | H | 4/ 2 1123 GMT T | EPT | H | 4/ 3 1150 GMT T | EPT | H | 4/ 3 2353 GMT T | EPT | H | 4/ 5 2332 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -24.1 | 1208 | 37760 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -26.3 | 1124 | 36140 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -28.0 | 1059 | 34826 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -29.5 | 1007 | 33723 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.5 | 938 | 32634 | 0.0 | 0 | 0 | -36.8 | 940 | 32784 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.0 | 901 | 31824 | 0.0 | 0 | 0 | -37.1 | 908 | 31970 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -40.4 | 869 | 31104 | 0.0 | 0 | 0 | -37.3 | 880 | 31242 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -44.7 | 809 | 29872 | 0.0 | 0 | 0 | -39.5 | 828 | 29994 | -39.2 | 829 | 29943 | 12 |
| 14 | 0.0 | 0 | 0 | -39.1 | 794 | 28969 | -46.4 | 769 | 28847 | 0.0 | 0 | 0 | -39.8 | 791 | 28937 | -42.4 | 782 | 28894 | 14 |
| 16 | 0.0 | 0 | 0 | -41.3 | 757 | 28058 | -47.9 | 735 | 27962 | -47.0 | 738 | 28041 | -44.9 | 745 | 28032 | -44.6 | 746 | 27992 | 16 |
| 18 | 0.0 | 0 | 0 | -43.3 | 725 | 27261 | -50.7 | 702 | 27190 | -43.8 | 724 | 27256 | -42.7 | 727 | 27241 | -48.2 | 710 | 27212 | 18 |
| 20 | -52.2 | 676 | 26598 | -44.5 | 700 | 26554 | -53.3 | 673 | 26507 | -48.5 | 688 | 26555 | -47.7 | 690 | 26541 | -50.0 | 683 | 26521 | 20 |
| 25 | -52.4 | 634 | 25156 | -53.4 | 631 | 25079 | -55.3 | 626 | 25062 | -50.0 | 641 | 25091 | -48.4 | 646 | 25070 | -51.7 | 636 | 25064 | 25 |
| 30 | -50.2 | 608 | 23972 | -58.0 | 587 | 23924 | -53.8 | 598 | 23895 | -49.4 | 610 | 23898 | -53.4 | 599 | 23884 | -51.2 | 605 | 23884 | 30 |
| 35 | -53.3 | 574 | 22977 | -54.6 | 570 | 22941 | -54.2 | 571 | 22904 | -58.3 | 560 | 22905 | -57.6 | 562 | 22901 | -55.7 | 567 | 22892 | 35 |
| 40 | -53.0 | 553 | 22116 | -53.2 | 552 | 22082 | -58.2 | 540 | 22052 | -59.7 | 536 | 22071 | -59.9 | 535 | 22064 | -59.5 | 536 | 22049 | 40 |
| 45 | -56.8 | 525 | 21366 | -54.3 | 531 | 21326 | -58.7 | 521 | 21312 | -60.1 | 517 | 21334 | -60.2 | 517 | 21329 | -62.9 | 510 | 21318 | 45 |
| 50 | -59.5 | 503 | 20700 | -63.3 | 494 | 20664 | -60.7 | 500 | 20651 | -61.9 | 498 | 20679 | -60.5 | 501 | 20672 | -65.1 | 490 | 20674 | 50 |
| 55 | -62.0 | 484 | 20109 | -67.5 | 471 | 20087 | -65.4 | 476 | 20067 | -63.6 | 480 | 20092 | -62.7 | 482 | 20081 | -63.7 | 480 | 20091 | 55 |
| 60 | -63.2 | 469 | 19572 | -65.9 | 463 | 19561 | -65.5 | 464 | 19538 | -65.1 | 465 | 19560 | -62.4 | 471 | 19545 | -63.1 | 470 | 19556 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

| P | 4/ 6 1115 GMT T | EPT | H | 4/ 6 2349 GMT T | EPT | H | 4/ 7 1138 GMT T | EPT | H | 4/ 8 051 GMT T | EPT | H | 4/ 8 1138 GMT T | EPT | H | 4/ 8 2240 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -30.8 | 1276 | 39547 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -33.4 | 1163 | 37516 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | -30.7 | 1103 | 36242 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.4 | 1082 | 35956 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | -32.2 | 1041 | 34951 | -34.4 | 1031 | 34760 | 0.0 | 0 | 0 | -37.0 | 1020 | 34691 | -36.5 | 1022 | 34655 | 6 |
| 7 | 0.0 | 0 | 0 | -33.5 | 991 | 33866 | -35.9 | 981 | 33685 | 0.0 | 0 | 0 | -38.4 | 970 | 33628 | -37.6 | 974 | 33589 | 7 |
| 8 | 0.0 | 0 | 0 | -34.6 | 949 | 32931 | -37.2 | 939 | 32760 | -32.9 | 956 | 32957 | -39.6 | 929 | 32712 | -38.5 | 934 | 32670 | 8 |
| 9 | -31.3 | 930 | 31989 | -35.5 | 914 | 32110 | -38.3 | 903 | 31948 | -34.7 | 917 | 32131 | -40.7 | 894 | 31908 | -39.3 | 900 | 31861 | 9 |
| 10 | -34.1 | 892 | 31247 | -36.4 | 884 | 31378 | -39.3 | 873 | 31225 | -36.4 | 884 | 31398 | -41.6 | 864 | 31192 | -40.0 | 870 | 31141 | 10 |
| 12 | -39.4 | 828 | 29993 | -36.7 | 838 | 30115 | -44.8 | 809 | 29983 | -36.5 | 838 | 30134 | -43.6 | 813 | 29964 | -41.0 | 823 | 29899 | 12 |
| 14 | -43.3 | 779 | 28940 | -36.9 | 801 | 29048 | -44.2 | 776 | 28951 | -39.0 | 794 | 29069 | -43.4 | 779 | 28928 | -44.3 | 776 | 28858 | 14 |
| 16 | -47.3 | 737 | 28053 | -39.4 | 763 | 28126 | -46.5 | 740 | 28057 | -43.3 | 750 | 28162 | -43.3 | 750 | 28029 | -47.2 | 737 | 27969 | 16 |
| 18 | -47.0 | 714 | 27274 | -43.8 | 724 | 27328 | -48.4 | 709 | 27281 | -45.9 | 717 | 27370 | -47.9 | 711 | 27244 | -45.7 | 718 | 27187 | 18 |
| 20 | -46.6 | 693 | 26575 | -47.8 | 690 | 26626 | -47.7 | 690 | 26586 | -49.4 | 685 | 26676 | -48.5 | 688 | 26553 | -51.0 | 680 | 26496 | 20 |
| 25 | -53.8 | 630 | 25113 | -48.3 | 646 | 25155 | -51.6 | 636 | 25118 | -49.4 | 643 | 25213 | -51.7 | 636 | 25099 | -54.6 | 628 | 25056 | 25 |
| 30 | -54.9 | 595 | 23938 | -55.0 | 595 | 23966 | -50.7 | 606 | 23933 | -52.9 | 601 | 24032 | -55.1 | 595 | 23926 | -54.4 | 596 | 23891 | 30 |
| 35 | -55.8 | 567 | 22960 | -57.6 | 562 | 22993 | -57.6 | 562 | 22934 | -49.6 | 583 | 23030 | -55.7 | 567 | 22943 | -53.5 | 573 | 22901 | 35 |
| 40 | -53.0 | 553 | 22105 | -57.0 | 543 | 22149 | -58.8 | 538 | 22093 | -54.8 | 548 | 22161 | -56.2 | 545 | 22094 | -55.0 | 548 | 22042 | 40 |
| 45 | -58.3 | 522 | 21355 | -56.4 | 526 | 21403 | -59.9 | 518 | 21356 | -58.2 | 522 | 21413 | -56.6 | 526 | 21346 | -59.6 | 518 | 21298 | 45 |
| 50 | -63.1 | 495 | 20699 | -62.0 | 497 | 20742 | -60.8 | 500 | 20699 | -61.2 | 499 | 20755 | -61.5 | 499 | 20683 | -63.8 | 493 | 20645 | 50 |
| 55 | -66.3 | 474 | 20119 | -66.1 | 475 | 20160 | -63.7 | 480 | 20109 | -64.0 | 479 | 20167 | -65.5 | 476 | 20099 | -67.5 | 471 | 20066 | 55 |
| 60 | -64.8 | 466 | 19590 | -66.3 | 463 | 19633 | -67.6 | 460 | 19581 | -65.9 | 463 | 19637 | -67.2 | 461 | 19572 | -65.2 | 465 | 19539 | 60 |

| P | 4/ 9 1115 GMT T | EPT | H | 4/ 9 2326 GMT T | EPT | H | 4/10 1123 GMT T | EPT | H | 4/11 1142 GMT T | EPT | H | 4/11 2321 GMT T | EPT | H | 4/12 1137 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -43.2 | 951 | 33637 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -40.6 | 925 | 32733 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.1 | 947 | 32705 | -31.0 | 963 | 32898 | 0.0 | 0 | 0 | 8 |
| 9 | -41.1 | 893 | 31932 | 0.0 | 0 | 0 | -40.9 | 893 | 31855 | -36.6 | 910 | 31887 | -32.4 | 926 | 32065 | 0.0 | 0 | 0 | 9 |
| 10 | -41.5 | 865 | 31216 | 0.0 | 0 | 0 | -40.5 | 868 | 31138 | -38.0 | 878 | 31159 | -33.7 | 894 | 31324 | 0.0 | 0 | 0 | 10 |
| 12 | -40.8 | 823 | 29978 | 0.0 | 0 | 0 | -42.5 | 817 | 29901 | -42.9 | 816 | 29920 | -38.4 | 832 | 30058 | 0.0 | 0 | 0 | 12 |
| 14 | -46.5 | 769 | 28944 | 0.0 | 0 | 0 | -44.3 | 776 | 28864 | -44.5 | 775 | 28884 | -40.1 | 790 | 28999 | 0.0 | 0 | 0 | 14 |
| 16 | -45.3 | 744 | 28059 | -47.8 | 736 | 27975 | -45.8 | 742 | 27972 | -49.6 | 729 | 28000 | -44.3 | 747 | 28096 | 0.0 | 0 | 0 | 16 |
| 18 | -45.7 | 718 | 27274 | -48.0 | 710 | 27200 | -47.1 | 713 | 27190 | -48.8 | 708 | 27228 | -47.9 | 711 | 27308 | 0.0 | 0 | 0 | 18 |
| 20 | -46.0 | 695 | 26573 | -45.1 | 698 | 26501 | -47.3 | 691 | 26494 | -49.9 | 683 | 26536 | -50.3 | 682 | 26617 | -50.4 | 682 | 26503 | 20 |
| 25 | -49.5 | 642 | 25095 | -52.1 | 635 | 25028 | -49.0 | 644 | 25016 | -53.0 | 632 | 25092 | -49.6 | 642 | 25158 | -54.6 | 628 | 25064 | 25 |
| 30 | -52.8 | 601 | 23912 | -55.1 | 594 | 23860 | -55.0 | 595 | 23835 | -53.4 | 599 | 23918 | -51.1 | 605 | 23973 | -54.9 | 595 | 23898 | 30 |
| 35 | -54.3 | 571 | 22919 | -55.5 | 568 | 22874 | -58.7 | 559 | 22861 | -53.7 | 572 | 22927 | -53.9 | 572 | 22975 | -55.0 | 569 | 22913 | 35 |
| 40 | -55.3 | 547 | 22065 | -60.9 | 533 | 22036 | -57.0 | 543 | 22019 | -59.4 | 537 | 22080 | -57.6 | 541 | 22126 | -57.1 | 543 | 22062 | 40 |
| 45 | -56.1 | 527 | 21315 | -61.0 | 515 | 21304 | -56.2 | 527 | 21271 | -60.7 | 516 | 21345 | -57.0 | 525 | 21381 | -60.0 | 517 | 21322 | 45 |
| 50 | -59.7 | 503 | 20650 | -61.1 | 500 | 20649 | -61.5 | 499 | 20609 | -61.9 | 498 | 20691 | -61.4 | 499 | 20721 | -61.7 | 498 | 20667 | 50 |
| 55 | -64.9 | 477 | 20060 | -61.2 | 486 | 20058 | -64.4 | 479 | 20022 | -63.0 | 482 | 20103 | -61.8 | 484 | 20130 | -63.0 | 482 | 20079 | 55 |
| 60 | -69.5 | 455 | 19539 | -65.3 | 465 | 19522 | -67.0 | 461 | 19494 | -64.0 | 468 | 19569 | -64.7 | 466 | 19595 | -64.1 | 467 | 19545 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

| P | 4/13 1150 GMT T | EPT | H | 4/14 1115 GMT T | EPT | H | 4/14 2344 GMT T | EPT | H | 4/15 1147 GMT T | EPT | H | 4/15 2240 GMT T | EPT | H | 4/16 1148 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | -35.4 | 1082 | 35763 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | -39.5 | 1009 | 34504 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | -40.0 | 964 | 33450 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | -40.4 | 926 | 32539 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.2 | 951 | 32651 | 8 |
| 9 | -39.6 | 899 | 31843 | -40.8 | 894 | 31737 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.7 | 910 | 31890 | -36.3 | 911 | 31830 | 9 |
| 10 | -40.8 | 867 | 31124 | -41.1 | 866 | 31021 | -35.6 | 887 | 31291 | 0.0 | 0 | 0 | -39.0 | 874 | 31164 | -38.2 | 877 | 31102 | 10 |
| 12 | -42.3 | 818 | 29886 | -45.1 | 808 | 29792 | -38.6 | 831 | 30031 | -44.7 | 809 | 29864 | -43.8 | 813 | 29926 | -40.9 | 823 | 29855 | 12 |
| 14 | -45.8 | 771 | 28852 | -48.5 | 762 | 28770 | -43.8 | 777 | 28984 | -45.7 | 771 | 28835 | -47.8 | 764 | 28900 | -43.3 | 779 | 28812 | 14 |
| 16 | -46.1 | 741 | 27966 | -47.1 | 738 | 27889 | -45.2 | 744 | 28090 | -46.5 | 740 | 27947 | -48.3 | 734 | 28019 | -45.3 | 744 | 27917 | 16 |
| 18 | -47.2 | 713 | 27182 | -49.7 | 705 | 27117 | -49.5 | 706 | 27311 | -44.9 | 720 | 27165 | -46.6 | 715 | 27241 | -49.3 | 706 | 27138 | 18 |
| 20 | -49.5 | 685 | 26490 | -48.5 | 688 | 26426 | -49.0 | 686 | 26620 | -47.3 | 691 | 26460 | -47.2 | 692 | 26546 | -49.3 | 685 | 26447 | 20 |
| 25 | -50.2 | 640 | 25031 | -51.5 | 637 | 24964 | -47.9 | 647 | 25151 | -52.0 | 635 | 25007 | -52.5 | 634 | 25082 | -52.1 | 635 | 24986 | 25 |
| 30 | -54.7 | 596 | 23850 | -56.3 | 591 | 23784 | -51.1 | 605 | 23963 | -53.0 | 600 | 23829 | -52.9 | 600 | 23905 | -52.1 | 603 | 23806 | 30 |
| 35 | -59.3 | 558 | 22874 | -58.7 | 559 | 22810 | -54.3 | 571 | 22964 | -55.0 | 569 | 22838 | -56.6 | 565 | 22924 | -55.5 | 568 | 22811 | 35 |
| 40 | -59.3 | 537 | 22040 | -60.9 | 533 | 21976 | -59.4 | 537 | 22118 | -58.5 | 539 | 21992 | -56.4 | 544 | 22077 | -58.9 | 538 | 21970 | 40 |
| 45 | -58.4 | 521 | 21300 | -61.8 | 513 | 21246 | -58.2 | 522 | 21379 | -61.6 | 514 | 21257 | -60.7 | 516 | 21335 | -59.0 | 520 | 21231 | 45 |
| 50 | -59.3 | 504 | 20638 | -61.4 | 499 | 20594 | -58.7 | 505 | 20716 | -62.7 | 496 | 20606 | -65.6 | 489 | 20687 | -63.3 | 494 | 20577 | 50 |
| 55 | -61.4 | 485 | 20044 | -61.7 | 485 | 20002 | -59.5 | 490 | 20119 | -63.3 | 481 | 20020 | -63.8 | 480 | 20106 | -67.1 | 472 | 19996 | 55 |
| 60 | -63.3 | 469 | 19507 | -64.7 | 466 | 19467 | -62.7 | 471 | 19577 | -63.8 | 468 | 19486 | -63.4 | 469 | 19571 | -65.5 | 464 | 19469 | 60 |

| P | 4/18 1147 GMT T | EPT | H | 4/18 2339 GMT T | EPT | H | 4/19 1210 GMT T | EPT | H | 4/19 2328 GMT T | EPT | H | 4/20 1143 GMT T | EPT | H | 4/20 2324 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.0 | 1020 | 34563 | 0.0 | 0 | 0 | 6 |
| 7 | -39.4 | 966 | 33498 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.4 | 966 | 33502 | -34.7 | 986 | 33644 | 7 |
| 8 | -40.6 | 925 | 32586 | -35.2 | 947 | 32741 | -39.3 | 930 | 32710 | 0.0 | 0 | 0 | -41.4 | 922 | 32592 | -34.9 | 948 | 32712 | 8 |
| 9 | -41.7 | 890 | 31786 | -37.6 | 906 | 31924 | -39.7 | 898 | 31904 | -36.8 | 909 | 31927 | -42.2 | 888 | 31794 | -35.1 | 916 | 31891 | 9 |
| 10 | -42.7 | 860 | 31073 | -39.7 | 871 | 31201 | -40.1 | 870 | 31184 | -39.0 | 874 | 31201 | -43.0 | 859 | 31083 | -35.3 | 888 | 31157 | 10 |
| 12 | -44.6 | 810 | 29843 | -42.8 | 816 | 29962 | -42.8 | 816 | 29947 | -40.8 | 823 | 29960 | -43.4 | 814 | 29855 | -38.4 | 832 | 29895 | 12 |
| 14 | -44.5 | 775 | 28817 | -43.7 | 778 | 28926 | -47.0 | 767 | 28924 | -44.2 | 776 | 28913 | -43.7 | 778 | 28818 | -44.6 | 775 | 28849 | 14 |
| 16 | -48.1 | 734 | 27930 | -46.7 | 739 | 28031 | -45.1 | 744 | 28035 | -45.9 | 741 | 28027 | -47.4 | 737 | 27930 | -45.8 | 742 | 27958 | 16 |
| 18 | -51.3 | 700 | 27159 | -48.6 | 708 | 27254 | -47.0 | 713 | 27252 | -50.5 | 702 | 27243 | -49.0 | 707 | 27154 | -48.5 | 709 | 27179 | 18 |
| 20 | -51.8 | 678 | 26477 | -48.7 | 687 | 26562 | -48.7 | 687 | 26557 | -52.4 | 676 | 26559 | -48.7 | 687 | 26462 | -48.3 | 688 | 26487 | 20 |
| 25 | -50.0 | 641 | 25018 | -51.5 | 637 | 25100 | -54.0 | 629 | 25103 | -49.7 | 642 | 25108 | -54.1 | 629 | 25013 | -53.2 | 632 | 25041 | 25 |
| 30 | -58.2 | 586 | 23848 | -56.4 | 591 | 23922 | -57.4 | 588 | 23950 | -53.0 | 600 | 23918 | -52.2 | 602 | 23838 | -54.1 | 597 | 23866 | 30 |
| 35 | -57.0 | 564 | 22875 | -55.4 | 568 | 22941 | -56.6 | 565 | 22973 | -57.5 | 562 | 22936 | -54.8 | 570 | 22844 | -57.4 | 563 | 22885 | 35 |
| 40 | -57.9 | 540 | 22029 | -58.8 | 538 | 22094 | -57.8 | 541 | 22129 | -59.2 | 537 | 22096 | -60.2 | 535 | 21999 | -60.2 | 535 | 22046 | 40 |
| 45 | -61.7 | 513 | 21293 | -60.2 | 517 | 21359 | -58.9 | 520 | 21388 | -58.5 | 521 | 21358 | -63.6 | 509 | 21271 | -60.5 | 516 | 21311 | 45 |
| 50 | -65.0 | 490 | 20646 | -59.8 | 503 | 20702 | -59.8 | 503 | 20728 | -61.0 | 500 | 20702 | -65.6 | 489 | 20628 | -64.8 | 491 | 20663 | 50 |
| 55 | -64.4 | 479 | 20064 | -60.2 | 488 | 20106 | -65.3 | 476 | 20140 | -60.0 | 489 | 20108 | -63.9 | 480 | 20046 | -66.0 | 475 | 20083 | 55 |
| 60 | -65.4 | 465 | 19532 | -63.7 | 468 | 19568 | -66.5 | 462 | 19612 | -65.6 | 464 | 19571 | -64.1 | 467 | 19514 | -67.0 | 461 | 19556 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. PALMYRA ISLAND

| | 4/21 1142 GMT | | | 4/21 2231 GMT | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -38.6 | 1067 | 35763 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -37.3 | 1019 | 34507 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -41.7 | 957 | 33452 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -41.6 | 921 | 32547 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -41.4 | 891 | 31748 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -41.3 | 865 | 31032 | -37.5 | 880 | 31217 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -42.0 | 819 | 29796 | -41.7 | 820 | 29970 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -48.5 | 762 | 28768 | -45.3 | 772 | 28933 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | -47.0 | 738 | 27886 | -47.1 | 738 | 28047 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | -53.4 | 693 | 27117 | -47.4 | 712 | 27268 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | -51.2 | 679 | 26436 | -45.1 | 698 | 26570 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | -52.3 | 634 | 24985 | -52.5 | 634 | 25105 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | -54.4 | 596 | 23811 | -57.3 | 588 | 23940 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | -56.2 | 566 | 22828 | -58.3 | 560 | 22972 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 35 |
| 40 | -57.8 | 541 | 21982 | -56.3 | 544 | 22127 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 40 |
| 45 | -63.9 | 508 | 21252 | -56.3 | 526 | 21379 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 45 |
| 50 | -65.1 | 490 | 20608 | -60.2 | 502 | 20712 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 50 |
| 55 | -66.2 | 474 | 20029 | -67.5 | 471 | 20130 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 55 |
| 60 | -67.2 | 461 | 19503 | -67.3 | 460 | 19605 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB.

FANNING ISLAND

| P | 3/ 3 1235 GMT T | EPT | H | 3/ 3 18 0 GMT T | EPT | H | 3/ 4 1 0 GMT T | EPT | H | 3/ 4 1145 GMT T | EPT | H | 3/ 4 2345 GMT T | EPT | H | 3/ 5 1215 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.7 | 949 | 32724 | -42.3 | 919 | 32550 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.0 | 916 | 31902 | -42.6 | 887 | 31754 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.0 | 881 | 31170 | -43.0 | 859 | 31043 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.8 | 820 | 29922 | -44.6 | 810 | 29818 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.9 | 771 | 28887 | -46.5 | 769 | 28790 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.4 | 730 | 28005 | -49.8 | 729 | 27908 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -52.5 | 696 | 27238 | -49.5 | 706 | 27137 | 18 |
| 20 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.0 | 680 | 26558 | -49.1 | 686 | 26447 | 20 |
| 25 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.1 | 626 | 25112 | -55.4 | 626 | 25004 | 25 |
| 30 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.9 | 590 | 23952 | -57.0 | 589 | 23846 | 30 |
| 35 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.1 | 569 | 22973 | -58.1 | 561 | 22873 | 35 |
| 40 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -54.9 | 548 | 22118 | -57.4 | 542 | 22031 | 40 |
| 45 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -59.6 | 518 | 21343 | 0.0 | 0 | 0 | -58.9 | 520 | 21372 | -56.8 | 525 | 21285 | 45 |
| 50 | -61.6 | 498 | 20600 | -59.6 | 503 | 20642 | -62.5 | 496 | 20689 | -65.1 | 490 | 20549 | -62.0 | 497 | 20716 | -63.0 | 495 | 20630 | 50 |
| 55 | -64.4 | 478 | 20014 | -61.3 | 486 | 20048 | -63.5 | 481 | 20102 | -66.8 | 473 | 19971 | -62.2 | 483 | 20127 | -65.3 | 476 | 20046 | 55 |
| 60 | -67.9 | 459 | 19486 | -65.7 | 464 | 19512 | -66.8 | 461 | 19573 | -68.4 | 458 | 19447 | -62.6 | 471 | 19590 | -66.4 | 462 | 19517 | 60 |

| P | 3/ 5 2345 GMT T | EPT | H | 3/ 6 1135 GMT T | EPT | H | 3/ 7 019 GMT T | EPT | H | 3/ 8 0 5 GMT T | EPT | H | 3/ 8 1840 GMT T | EPT | H | 3/ 8 2249 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -41.3 | 865 | 31064 | -42.9 | 859 | 30982 | 0.0 | 0 | 0 | -41.7 | 864 | 31110 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -43.6 | 813 | 29832 | -44.6 | 810 | 29750 | 0.0 | 0 | 0 | -45.0 | 808 | 29883 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -45.5 | 772 | 28800 | -48.0 | 763 | 28729 | 0.0 | 0 | 0 | -47.2 | 766 | 28858 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | -47.2 | 737 | 27913 | -48.6 | 733 | 27850 | 0.0 | 0 | 0 | -49.1 | 731 | 27979 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | -48.7 | 708 | 27136 | -49.1 | 707 | 27076 | 0.0 | 0 | 0 | -49.9 | 704 | 27208 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | -50.0 | 683 | 26445 | -49.5 | 685 | 26385 | 0.0 | 0 | 0 | -49.8 | 684 | 26519 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | -57.6 | 619 | 25012 | -56.0 | 624 | 24941 | 0.0 | 0 | 0 | -51.3 | 637 | 25059 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | -55.8 | 593 | 23856 | -56.5 | 591 | 23783 | 0.0 | 0 | 0 | -56.8 | 590 | 23894 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | -55.6 | 567 | 22873 | -56.9 | 564 | 22806 | 0.0 | 0 | 0 | -56.4 | 566 | 22918 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 35 |
| 40 | -57.6 | 541 | 22026 | -57.3 | 542 | 21961 | 0.0 | 0 | 0 | -57.9 | 540 | 22070 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 40 |
| 45 | -59.3 | 519 | 21285 | -61.7 | 513 | 21221 | -59.5 | 519 | 21250 | -61.0 | 515 | 21334 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 45 |
| 50 | -60.8 | 500 | 20627 | -66.9 | 486 | 20578 | -64.2 | 492 | 20596 | -61.0 | 500 | 20680 | -60.8 | 500 | 20691 | -57.3 | 508 | 20629 | 50 |
| 55 | -63.1 | 481 | 20037 | -65.9 | 475 | 20001 | -65.1 | 477 | 20018 | -65.1 | 477 | 20093 | -65.6 | 476 | 20106 | -64.6 | 478 | 20036 | 55 |
| 60 | -68.1 | 458 | 19509 | -66.0 | 463 | 19473 | -63.3 | 469 | 19485 | -67.8 | 459 | 19567 | -67.8 | 459 | 19579 | -71.3 | 451 | 19514 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

| P | 3/ 9 1240 GMT T | EPT | H | 3/10 12 0 GMT T | EPT | H | 3/10 2045 GMT T | EPT | H | 3/10 2345 GMT T | EPT | H | 3/11 9 0 GMT T | EPT | H | 3/11 1137 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -44.3 | 854 | 30944 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -44.4 | 810 | 29722 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.4 | 765 | 28693 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.0 | 735 | 27811 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.5 | 709 | 27035 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.1 | 668 | 26352 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -54.8 | 627 | 24922 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -57.7 | 587 | 23764 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.5 | 565 | 22788 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 35 |
| 40 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.4 | 547 | 21939 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 40 |
| 45 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -59.8 | 518 | 21195 | 0.0 | 0 | 0 | -61.5 | 514 | 21259 | 45 |
| 50 | -60.1 | 502 | 20642 | -62.0 | 497 | 20615 | -61.7 | 498 | 20695 | -62.2 | 497 | 20541 | -62.3 | 497 | 20577 | -62.8 | 496 | 20608 | 50 |
| 55 | -64.5 | 478 | 20053 | -63.8 | 480 | 20028 | -63.1 | 482 | 20106 | -65.0 | 477 | 19956 | -62.4 | 483 | 19989 | -63.6 | 480 | 20022 | 55 |
| 60 | -68.5 | 458 | 19527 | -65.4 | 465 | 19496 | -64.3 | 467 | 19573 | -65.8 | 464 | 19427 | -66.4 | 462 | 19454 | -64.1 | 467 | 19489 | 60 |

| P | 3/11 2353 GMT T | EPT | H | 3/12 1150 GMT T | EPT | H | 3/12 2345 GMT T | EPT | H | 3/13 1242 GMT T | EPT | H | 3/15 1121 GMT T | EPT | H | 3/16 0 0 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | -41.6 | 891 | 31634 | -42.9 | 886 | 31692 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | -43.3 | 858 | 30921 | -43.6 | 857 | 30983 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.6 | 861 | 30960 | 10 |
| 12 | 0.0 | 0 | 0 | -43.4 | 814 | 29697 | -45.8 | 806 | 29763 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.2 | 801 | 29740 | 12 |
| 14 | 0.0 | 0 | 0 | -49.5 | 758 | 28669 | -47.6 | 765 | 28740 | -49.2 | 759 | 28718 | 0.0 | 0 | 0 | -52.3 | 749 | 28731 | 14 |
| 16 | 0.0 | 0 | 0 | -48.8 | 732 | 27793 | -46.2 | 741 | 27857 | -48.3 | 734 | 27841 | 0.0 | 0 | 0 | -52.3 | 721 | 27868 | 16 |
| 18 | 0.0 | 0 | 0 | -53.1 | 694 | 27028 | -49.5 | 706 | 27075 | -51.4 | 700 | 27070 | 0.0 | 0 | 0 | -52.3 | 697 | 27106 | 18 |
| 20 | 0.0 | 0 | 0 | -51.6 | 678 | 26347 | -49.9 | 683 | 26386 | -53.3 | 673 | 26390 | 0.0 | 0 | 0 | -53.0 | 674 | 26425 | 20 |
| 25 | 0.0 | 0 | 0 | -56.0 | 624 | 24908 | -53.9 | 630 | 24940 | -55.5 | 625 | 24960 | 0.0 | 0 | 0 | -55.2 | 626 | 24996 | 25 |
| 30 | 0.0 | 0 | 0 | -57.5 | 588 | 23752 | -55.1 | 594 | 23776 | -57.0 | 589 | 23802 | 0.0 | 0 | 0 | -54.4 | 596 | 23828 | 30 |
| 35 | -56.1 | 566 | 22927 | -58.8 | 559 | 22782 | -56.8 | 564 | 22790 | -58.0 | 561 | 22827 | 0.0 | 0 | 0 | -56.6 | 565 | 22845 | 35 |
| 40 | -61.1 | 533 | 22086 | -64.3 | 524 | 21949 | -62.8 | 528 | 21956 | -61.9 | 530 | 21994 | -50.6 | 559 | 22138 | -55.5 | 546 | 21999 | 40 |
| 45 | -59.1 | 520 | 21352 | -61.8 | 513 | 21225 | -62.6 | 511 | 21230 | -65.3 | 505 | 21271 | -58.4 | 521 | 21388 | -60.2 | 517 | 21254 | 45 |
| 50 | -58.1 | 507 | 20688 | -61.0 | 500 | 20570 | -62.5 | 496 | 20580 | -64.1 | 492 | 20628 | -62.8 | 496 | 20732 | -67.0 | 486 | 20608 | 50 |
| 55 | -61.7 | 485 | 20093 | -62.0 | 484 | 19979 | -62.4 | 483 | 19992 | -63.0 | 482 | 20043 | -66.8 | 473 | 20148 | -67.0 | 473 | 20032 | 55 |
| 60 | -65.1 | 465 | 19559 | -64.9 | 466 | 19444 | -64.2 | 467 | 19456 | -62.1 | 472 | 19506 | -66.9 | 461 | 19622 | -67.4 | 460 | 19507 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

| P | 3/16 1240 GMT T | EPT | H | 3/16 2345 GMT T | EPT | H | 3/17 1119 GMT T | EPT | H | 3/17 2345 GMT T | EPT | H | 3/18 13 8 GMT T | EPT | H | 3/18 2340 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -40.9 | 924 | 32609 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -42.1 | 889 | 31810 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -43.2 | 858 | 31098 | 0.0 | 0 | 0 | -42.0 | 863 | 31020 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -45.7 | 806 | 29877 | 0.0 | 0 | 0 | -44.8 | 809 | 29793 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -47.9 | 764 | 28856 | 0.0 | 0 | 0 | -46.5 | 769 | 28767 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | -45.0 | 744 | 27969 | 0.0 | 0 | 0 | -47.1 | 738 | 27882 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | -48.2 | 710 | 27188 | 0.0 | 0 | 0 | -50.6 | 702 | 27106 | -49.8 | 705 | 27258 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | -51.2 | 680 | 26498 | 0.0 | 0 | 0 | -50.5 | 682 | 26419 | -51.9 | 677 | 26571 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | -54.3 | 628 | 25060 | 0.0 | 0 | 0 | -54.9 | 627 | 24990 | -52.5 | 634 | 25127 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | -55.5 | 593 | 23896 | 0.0 | 0 | 0 | -54.3 | 597 | 23821 | -54.0 | 597 | 23953 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | -53.6 | 573 | 22910 | 0.0 | 0 | 0 | -57.5 | 562 | 22840 | -59.7 | 557 | 22975 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 35 |
| 40 | -56.0 | 545 | 22052 | -54.1 | 550 | 21991 | -58.4 | 539 | 22000 | -58.6 | 539 | 22141 | -60.0 | 535 | 21999 | 0.0 | 0 | 0 | 40 |
| 45 | -60.7 | 516 | 21312 | -56.3 | 526 | 21236 | -57.9 | 523 | 21259 | -58.3 | 522 | 21398 | -60.8 | 515 | 21265 | 0.0 | 0 | 0 | 45 |
| 50 | -65.0 | 490 | 20663 | -60.8 | 500 | 20574 | -61.7 | 498 | 20600 | -61.7 | 498 | 20740 | -58.5 | 506 | 20607 | -60.6 | 501 | 20816 | 50 |
| 55 | -67.6 | 471 | 20086 | -64.9 | 477 | 19987 | -64.2 | 479 | 20014 | -64.1 | 479 | 20154 | -63.4 | 481 | 20015 | -59.8 | 489 | 20222 | 55 |
| 60 | -68.5 | 458 | 19564 | -68.6 | 457 | 19461 | -65.9 | 463 | 19484 | -64.1 | 467 | 19621 | -67.9 | 459 | 19486 | -63.1 | 470 | 19679 | 60 |

| P | 3/19 1115 GMT T | EPT | H | 3/20 0 7 GMT T | EPT | H | 3/20 1138 GMT T | EPT | H | 3/20 2330 GMT T | EPT | H | 3/21 12 1 GMT T | EPT | H | 3/21 2338 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -43.9 | 856 | 30987 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -45.0 | 808 | 29766 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -45.9 | 771 | 28738 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.0 | 767 | 28807 | 0.0 | 0 | 0 | 14 |
| 16 | -46.6 | 739 | 27851 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.0 | 735 | 27924 | 0.0 | 0 | 0 | 16 |
| 18 | -51.1 | 701 | 27074 | -49.1 | 707 | 27153 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.9 | 708 | 27149 | -45.5 | 718 | 27156 | 18 |
| 20 | -51.7 | 678 | 26389 | -51.4 | 679 | 26468 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -46.2 | 695 | 26453 | -44.2 | 701 | 26452 | 20 |
| 25 | -54.7 | 627 | 24949 | -49.7 | 642 | 25015 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.6 | 625 | 24990 | -54.5 | 628 | 25005 | 25 |
| 30 | -58.0 | 586 | 23788 | -54.6 | 596 | 23837 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -53.4 | 599 | 23822 | -53.2 | 600 | 23832 | 30 |
| 35 | -58.8 | 559 | 22824 | -57.6 | 562 | 22853 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.4 | 568 | 22835 | -53.8 | 572 | 22842 | 35 |
| 40 | -59.6 | 536 | 21985 | -58.9 | 538 | 22012 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -59.8 | 536 | 21989 | -59.0 | 538 | 21994 | 40 |
| 45 | -62.0 | 513 | 21252 | -62.8 | 511 | 21280 | 0.0 | 0 | 0 | -61.4 | 514 | 21300 | -63.2 | 510 | 21261 | -63.6 | 509 | 21265 | 45 |
| 50 | -64.1 | 492 | 20604 | -62.5 | 496 | 20631 | -66.3 | 487 | 20579 | -63.7 | 493 | 20651 | -64.5 | 492 | 20615 | -63.6 | 494 | 20618 | 50 |
| 55 | -66.1 | 475 | 20023 | -62.8 | 482 | 20042 | -63.7 | 480 | 19998 | -64.0 | 479 | 20067 | -65.6 | 476 | 20034 | -64.9 | 477 | 20034 | 55 |
| 60 | -67.8 | 459 | 19498 | -67.3 | 460 | 19513 | -65.1 | 465 | 19466 | -64.2 | 467 | 19534 | -66.0 | 463 | 19506 | -65.3 | 465 | 19505 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

| P | 3/22 1145 GMT T | EPT | H | 3/23 0 0 GMT T | EPT | H | 3/23 12 0 GMT T | EPT | H | 3/24 020 GMT T | EPT | H | 3/24 1215 GMT T | EPT | H | 3/25 1 0 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.2 | 866 | 30967 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.0 | 808 | 29738 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.2 | 766 | 28710 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.7 | 732 | 27833 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.4 | 712 | 27056 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.7 | 687 | 26362 | -47.7 | 690 | 26441 | 20 |
| 25 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.5 | 637 | 24904 | -53.1 | 632 | 24985 | 25 |
| 30 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.2 | 592 | 23731 | -55.9 | 592 | 23819 | 30 |
| 35 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -58.7 | 559 | 22757 | -57.4 | 563 | 22842 | 35 |
| 40 | 0.0 | 0 | 0 | -53.5 | 552 | 22094 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -60.9 | 533 | 21923 | -58.7 | 539 | 22001 | 40 |
| 45 | 0.0 | 0 | 0 | -54.2 | 532 | 21338 | -57.7 | 523 | 21184 | -53.2 | 534 | 21397 | -60.8 | 515 | 21190 | -59.8 | 518 | 21263 | 45 |
| 50 | -65.9 | 488 | 20472 | -63.9 | 493 | 20671 | -66.4 | 487 | 20532 | -63.6 | 494 | 20730 | -60.8 | 500 | 20535 | -61.7 | 498 | 20607 | 50 |
| 55 | -63.9 | 480 | 19891 | -65.9 | 475 | 20090 | -68.4 | 469 | 19961 | -68.2 | 470 | 20155 | -61.1 | 486 | 19942 | -64.0 | 479 | 20020 | 55 |
| 60 | -67.8 | 459 | 19362 | -63.7 | 468 | 19559 | -66.5 | 462 | 19437 | -68.5 | 458 | 19634 | -63.5 | 469 | 19404 | -67.1 | 461 | 19491 | 60 |

| P | 3/25 1239 GMT T | EPT | H | 3/25 2334 GMT T | EPT | H | 3/27 153 GMT T | EPT | H | 3/27 1155 GMT T | EPT | H | 3/27 2348 GMT T | EPT | H | 3/28 1145 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.0 | 908 | 31813 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.3 | 873 | 31039 | -37.3 | 880 | 31237 | -40.7 | 868 | 31090 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -43.6 | 813 | 29802 | -41.7 | 820 | 29993 | -41.9 | 819 | 29852 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.3 | 766 | 28774 | -43.0 | 780 | 28951 | -45.8 | 771 | 28813 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.2 | 734 | 27892 | -42.0 | 754 | 28049 | -46.2 | 740 | 27927 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.0 | 707 | 27118 | -46.1 | 716 | 27254 | -47.5 | 712 | 27146 | 18 |
| 20 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.5 | 688 | 26424 | -48.1 | 689 | 26557 | -48.6 | 687 | 26452 | 20 |
| 25 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.2 | 637 | 24965 | -50.2 | 640 | 25097 | -51.0 | 638 | 24992 | 25 |
| 30 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.8 | 590 | 23808 | -56.6 | 590 | 23912 | -57.4 | 588 | 23834 | 30 |
| 35 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -57.6 | 562 | 22831 | -57.5 | 563 | 22936 | -58.0 | 561 | 22860 | 35 |
| 40 | 0.0 | 0 | 0 | -56.7 | 543 | 22107 | 0.0 | 0 | 0 | -59.9 | 535 | 21993 | -59.9 | 535 | 22096 | -60.0 | 535 | 22023 | 40 |
| 45 | 0.0 | 0 | 0 | -61.2 | 515 | 21370 | -53.6 | 533 | 21312 | -60.8 | 516 | 21261 | -61.4 | 514 | 21365 | -61.7 | 513 | 21290 | 45 |
| 50 | -65.0 | 490 | 20529 | -62.5 | 496 | 20718 | -60.0 | 502 | 20644 | -61.8 | 498 | 20602 | -60.3 | 501 | 20710 | -62.2 | 497 | 20640 | 50 |
| 55 | -63.8 | 480 | 19946 | -63.6 | 480 | 20131 | -67.5 | 471 | 20063 | -64.1 | 479 | 20016 | -61.7 | 485 | 20115 | -65.4 | 476 | 20052 | 55 |
| 60 | -64.5 | 467 | 19412 | -64.7 | 466 | 19599 | -69.3 | 456 | 19542 | -66.3 | 463 | 19486 | -64.5 | 467 | 19582 | -69.2 | 456 | 19528 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

| P | 3/28 2350 GMT T | EPT | H | 3/29 1210 GMT T | EPT | H | 3/29 2356 GMT T | EPT | H | 3/30 1212 GMT T | EPT | H | 3/30 1745 GMT T | EPT | H | 3/31 0 4 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.9 | 886 | 31082 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -43.1 | 815 | 29835 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -44.6 | 775 | 28805 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.6 | 743 | 27909 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -46.7 | 714 | 27129 | 18 |
| 20 | -47.9 | 690 | 26532 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.6 | 684 | 26431 | 20 |
| 25 | -50.7 | 639 | 25064 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.7 | 636 | 24976 | 25 |
| 30 | -54.2 | 597 | 23884 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -53.3 | 599 | 23798 | 30 |
| 35 | -59.2 | 558 | 22912 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -54.7 | 570 | 22809 | 35 |
| 40 | -61.1 | 532 | 22079 | 0.0 | 0 | 0 | -60.8 | 533 | 22081 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -54.4 | 549 | 21952 | 40 |
| 45 | -62.8 | 511 | 21351 | 0.0 | 0 | 0 | -61.2 | 515 | 21351 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -61.8 | 513 | 21210 | 45 |
| 50 | -62.0 | 497 | 20701 | -61.8 | 498 | 20595 | -60.8 | 500 | 20695 | -63.4 | 494 | 20563 | -61.6 | 498 | 20736 | -62.6 | 496 | 20561 | 50 |
| 55 | -60.8 | 487 | 20110 | -64.3 | 479 | 20006 | -63.6 | 480 | 20106 | -60.5 | 487 | 19973 | -62.2 | 484 | 20146 | -61.8 | 484 | 19973 | 55 |
| 60 | -64.2 | 467 | 19571 | -70.1 | 454 | 19482 | -67.6 | 460 | 19578 | -65.1 | 465 | 19437 | -62.8 | 470 | 19609 | -61.1 | 474 | 19433 | 60 |

| P | 4/ 1 1835 GMT T | EPT | H | 4/ 1 2320 GMT T | EPT | H | 4/ 2 1126 GMT T | EPT | H | 4/ 2 1730 GMT T | EPT | H | 4/ 2 2320 GMT T | EPT | H | 4/ 3 1214 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.0 | 980 | 33607 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.5 | 938 | 32683 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.7 | 902 | 31872 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.9 | 871 | 31151 | 0.0 | 0 | 0 | -36.5 | 883 | 31258 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.4 | 821 | 29909 | 0.0 | 0 | 0 | -39.2 | 829 | 30002 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.6 | 782 | 28866 | 0.0 | 0 | 0 | -40.4 | 789 | 28949 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -46.4 | 740 | 27971 | 0.0 | 0 | 0 | -41.0 | 757 | 28040 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.2 | 713 | 27191 | 0.0 | 0 | 0 | -46.8 | 714 | 27249 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.0 | 689 | 26495 | 0.0 | 0 | 0 | -48.4 | 688 | 26552 | 0.0 | 0 | 0 | 20 |
| 25 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.6 | 642 | 25029 | 0.0 | 0 | 0 | -54.2 | 629 | 25097 | 0.0 | 0 | 0 | 25 |
| 30 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.6 | 593 | 23852 | 0.0 | 0 | 0 | -57.4 | 588 | 23946 | 0.0 | 0 | 0 | 30 |
| 35 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -59.9 | 556 | 22879 | 0.0 | 0 | 0 | -58.2 | 561 | 22974 | 0.0 | 0 | 0 | 35 |
| 40 | 0.0 | 0 | 0 | -55.9 | 546 | 22028 | -57.7 | 541 | 22041 | 0.0 | 0 | 0 | -58.9 | 538 | 22135 | 0.0 | 0 | 0 | 40 |
| 45 | 0.0 | 0 | 0 | -59.1 | 520 | 21283 | -56.1 | 527 | 21295 | 0.0 | 0 | 0 | -59.5 | 519 | 21397 | 0.0 | 0 | 0 | 45 |
| 50 | -62.0 | 497 | 20638 | -63.7 | 493 | 20632 | -54.6 | 515 | 20623 | -57.0 | 509 | 20581 | -59.2 | 504 | 20735 | -59.7 | 503 | 20592 | 50 |
| 55 | -61.6 | 485 | 20048 | -63.8 | 480 | 20048 | -56.5 | 497 | 20013 | -62.8 | 482 | 19988 | -62.4 | 483 | 20142 | -65.2 | 477 | 20004 | 55 |
| 60 | -63.5 | 469 | 19511 | -63.9 | 468 | 19514 | -63.0 | 470 | 19469 | -64.1 | 467 | 19453 | -61.5 | 473 | 19605 | -65.5 | 464 | 19476 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

| P | 4/ 3 2350 GMT T | EPT | H | 4/ 4 1140 GMT T | EPT | H | 4/ 4 1745 GMT T | EPT | H | 4/ 4 2330 GMT T | EPT | H | 4/ 5 1115 GMT T | EPT | H | 4/ 5 18 0 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.5 | 934 | 32563 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.0 | 901 | 31755 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | -39.6 | 872 | 31018 | 0.0 | 0 | 0 | -38.0 | 878 | 31212 | -39.5 | 872 | 31033 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | -42.8 | 816 | 29779 | 0.0 | 0 | 0 | -41.2 | 822 | 29968 | -43.2 | 815 | 29795 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | -45.4 | 772 | 28745 | 0.0 | 0 | 0 | -42.2 | 783 | 28923 | -46.3 | 769 | 28764 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | -47.8 | 736 | 27859 | 0.0 | 0 | 0 | -45.0 | 744 | 28023 | -47.5 | 736 | 27879 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | -49.8 | 705 | 27085 | 0.0 | 0 | 0 | -45.9 | 717 | 27234 | -48.4 | 709 | 27103 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | -48.1 | 689 | 26394 | 0.0 | 0 | 0 | -50.3 | 682 | 26540 | -49.2 | 686 | 26410 | 0.0 | 0 | 0 | 20 |
| 25 | 0.0 | 0 | 0 | -52.9 | 632 | 24958 | 0.0 | 0 | 0 | -49.9 | 641 | 25089 | -53.3 | 631 | 24957 | 0.0 | 0 | 0 | 25 |
| 30 | 0.0 | 0 | 0 | -53.1 | 600 | 23778 | 0.0 | 0 | 0 | -50.3 | 608 | 23898 | -54.8 | 595 | 23787 | 0.0 | 0 | 0 | 30 |
| 35 | 0.0 | 0 | 0 | -61.5 | 552 | 22803 | 0.0 | 0 | 0 | -57.8 | 562 | 22902 | -56.0 | 566 | 22804 | 0.0 | 0 | 0 | 35 |
| 40 | 0.0 | 0 | 0 | -61.3 | 532 | 21975 | 0.0 | 0 | 0 | -59.9 | 535 | 22064 | -60.8 | 533 | 21964 | 0.0 | 0 | 0 | 40 |
| 45 | 0.0 | 0 | 0 | -62.4 | 512 | 21244 | 0.0 | 0 | 0 | -61.8 | 513 | 21331 | -62.1 | 512 | 21236 | 0.0 | 0 | 0 | 45 |
| 50 | -60.2 | 502 | 20732 | -62.4 | 496 | 20596 | -61.0 | 500 | 20749 | -63.4 | 494 | 20682 | -61.3 | 499 | 20583 | -60.2 | 502 | 20709 | 50 |
| 55 | -61.3 | 486 | 20139 | -61.2 | 486 | 20006 | -62.0 | 484 | 20158 | -64.9 | 477 | 20098 | -62.8 | 482 | 19993 | -58.8 | 491 | 20112 | 55 |
| 60 | -64.2 | 467 | 19603 | -67.5 | 460 | 19472 | -63.0 | 470 | 19621 | -66.3 | 463 | 19570 | -64.7 | 466 | 19460 | -61.5 | 473 | 19569 | 60 |

| | 4/ 5 2325 GMT | | | 4/ 6 1213 GMT | | | 4/ 6 18 4 GMT | | | 4/ 6 2325 GMT | | | 4/ 7 620 GMT | | | 4/ 7 12 5 GMT | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -34.0 | 893 | 31272 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.8 | 849 | 31090 | 10 |
| 12 | -38.1 | 833 | 30003 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.5 | 806 | 29875 | 12 |
| 14 | -42.8 | 781 | 28953 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.3 | 773 | 28847 | 14 |
| 16 | -43.6 | 749 | 28051 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.1 | 744 | 27955 | 16 |
| 18 | -46.7 | 715 | 27267 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -44.9 | 720 | 27168 | 18 |
| 20 | -47.2 | 692 | 26569 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.3 | 685 | 26471 | 20 |
| 25 | -52.5 | 634 | 25113 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.0 | 638 | 25016 | 25 |
| 30 | -51.4 | 605 | 23932 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -53.1 | 600 | 23836 | 30 |
| 35 | -56.1 | 566 | 22936 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.3 | 568 | 22844 | 35 |
| 40 | -62.6 | 529 | 22102 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -59.9 | 535 | 22005 | 40 |
| 45 | -63.8 | 508 | 21378 | 0.0 | 0 | 0 | -54.8 | 530 | 21381 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -60.6 | 516 | 21271 | 45 |
| 50 | -62.4 | 496 | 20730 | -63.3 | 494 | 20653 | -57.0 | 509 | 20711 | -61.3 | 499 | 20738 | -63.1 | 495 | 20721 | -61.2 | 499 | 20616 | 50 |
| 55 | -61.2 | 486 | 20140 | -66.4 | 474 | 20072 | -64.1 | 479 | 20119 | -66.9 | 473 | 20158 | -67.3 | 472 | 20140 | -64.9 | 477 | 20030 | 55 |
| 60 | -63.6 | 469 | 19603 | -64.8 | 466 | 19544 | -67.9 | 459 | 19591 | -68.5 | 458 | 19635 | -69.5 | 455 | 19620 | -68.4 | 458 | 19504 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

| P | 4/ 7 18 4 GMT T | EPT | H | 4/ 7 2325 GMT T | EPT | H | 4/ 8 1315 GMT T | EPT | H | 4/ 8 1725 GMT T | EPT | H | 4/ 8 2315 GMT T | EPT | H | 4/ 9 12 4 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.5 | 831 | 29971 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -46.7 | 802 | 29817 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.5 | 782 | 28919 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.9 | 764 | 28802 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -46.1 | 741 | 28024 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.4 | 737 | 27918 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.3 | 706 | 27246 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.5 | 709 | 27141 | 18 |
| 20 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.0 | 680 | 26558 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.5 | 685 | 26450 | 20 |
| 25 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.2 | 638 | 25111 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.6 | 636 | 24995 | 25 |
| 30 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.2 | 591 | 23924 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -54.4 | 596 | 23817 | 30 |
| 35 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -55.2 | 569 | 22943 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.9 | 564 | 22837 | 35 |
| 40 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.3 | 545 | 22090 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -58.2 | 540 | 21994 | 40 |
| 45 | 0.0 | 0 | 0 | -59.9 | 518 | 21401 | -60.1 | 517 | 21348 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -59.3 | 519 | 21255 | 45 |
| 50 | -62.3 | 497 | 20629 | -61.1 | 500 | 20745 | -62.1 | 497 | 20695 | -63.8 | 493 | 20659 | -60.0 | 502 | 20689 | -60.3 | 501 | 20596 | 50 |
| 55 | -66.6 | 474 | 20046 | -65.0 | 477 | 20158 | -63.1 | 481 | 20107 | -65.5 | 476 | 20077 | -64.2 | 479 | 20101 | -64.9 | 477 | 20004 | 55 |
| 60 | -67.9 | 459 | 19522 | -69.3 | 456 | 19633 | -65.2 | 465 | 19574 | -67.1 | 461 | 19550 | -64.6 | 466 | 19570 | -68.9 | 457 | 19483 | 60 |

| P | 4/ 9 2332 GMT T | EPT | H | 4/10 1135 GMT T | EPT | H | 4/10 23 5 GMT T | EPT | H | 4/11 1137 GMT T | EPT | H | 4/11 2238 GMT T | EPT | H | 4/13 0 8 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -35.7 | 886 | 31328 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -36.9 | 837 | 30064 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.5 | 821 | 30018 | 12 |
| 14 | -41.5 | 785 | 29007 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -43.4 | 779 | 28976 | 14 |
| 16 | -45.4 | 743 | 28109 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.0 | 745 | 28081 | 16 |
| 18 | -46.4 | 716 | 27327 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -46.4 | 715 | 27296 | 18 |
| 20 | -44.8 | 699 | 26625 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.7 | 696 | 26593 | 20 |
| 25 | -48.5 | 645 | 25156 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.5 | 637 | 25126 | 25 |
| 30 | -55.9 | 592 | 23980 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.1 | 592 | 23955 | 30 |
| 35 | -56.1 | 566 | 23000 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -58.0 | 561 | 22982 | 35 |
| 40 | -59.2 | 537 | 22155 | 0.0 | 0 | 0 | -57.5 | 541 | 22106 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.6 | 544 | 22138 | 40 |
| 45 | -60.2 | 517 | 21420 | 0.0 | 0 | 0 | -61.2 | 515 | 21370 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -56.3 | 526 | 21389 | 45 |
| 50 | -58.4 | 506 | 20761 | -60.0 | 502 | 20627 | -59.3 | 504 | 20713 | -61.9 | 498 | 20598 | -64.1 | 492 | 20630 | -57.6 | 508 | 20722 | 50 |
| 55 | -56.7 | 496 | 20159 | -65.2 | 477 | 20039 | -59.6 | 490 | 20117 | -63.4 | 481 | 20010 | -62.3 | 483 | 20044 | -60.2 | 488 | 20123 | 55 |
| 60 | -66.9 | 461 | 19616 | -69.9 | 454 | 19515 | -61.4 | 473 | 19573 | -68.4 | 458 | 19480 | -63.7 | 468 | 19506 | -64.7 | 466 | 19586 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

| P | 4/13 1240 GMT T | EPT | H | 4/13 2310 GMT T | EPT | H | 4/14 1147 GMT T | EPT | H | 4/15 014 GMT T | EPT | H | 4/15 1256 GMT T | EPT | H | 4/15 23 4 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.2 | 866 | 31069 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -44.7 | 810 | 29840 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.6 | 765 | 28815 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.2 | 724 | 27936 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.2 | 706 | 27167 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -50.3 | 682 | 26474 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.2 | 646 | 25011 | -50.3 | 640 | 24917 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -53.7 | 598 | 23817 | -59.7 | 582 | 23752 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -59.0 | 559 | 22843 | -60.1 | 556 | 22789 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 35 |
| 40 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -62.6 | 529 | 22013 | -60.5 | 534 | 21957 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 40 |
| 45 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -61.0 | 515 | 21282 | -60.9 | 515 | 21224 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 45 |
| 50 | -61.1 | 500 | 20650 | -58.4 | 506 | 20698 | -61.2 | 499 | 20628 | -61.2 | 499 | 20570 | -62.5 | 496 | 20573 | -62.7 | 496 | 20683 | 50 |
| 55 | -62.1 | 484 | 20060 | -59.7 | 489 | 20101 | -63.3 | 481 | 20038 | -61.4 | 485 | 19978 | -64.3 | 479 | 19987 | -63.2 | 481 | 20096 | 55 |
| 60 | -63.0 | 470 | 19523 | -65.0 | 466 | 19563 | -66.0 | 463 | 19507 | -63.3 | 469 | 19440 | -64.8 | 466 | 19457 | -63.6 | 469 | 19561 | 60 |

| | 4/16 525 GMT T | EPT | H | 4/16 1155 GMT T | EPT | H | 4/16 2327 GMT T | EPT | H | 4/17 6 2 GMT T | EPT | H | 4/17 1239 GMT T | EPT | H | 4/17 23 0 GMT T | EPT | H | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.3 | 829 | 29918 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.4 | 772 | 28876 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -46.1 | 741 | 27984 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.3 | 706 | 27207 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | -49.2 | 686 | 26458 | -47.4 | 691 | 26513 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | 0.0 | 0 | 0 | -51.9 | 636 | 25003 | -53.6 | 631 | 25058 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | 0.0 | 0 | 0 | -54.2 | 597 | 23823 | -52.4 | 602 | 23883 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | 0.0 | 0 | 0 | -58.7 | 559 | 22845 | -56.5 | 565 | 22895 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 35 |
| 40 | 0.0 | 0 | 0 | -58.8 | 538 | 22007 | -60.0 | 535 | 22055 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 40 |
| 45 | -60.6 | 516 | 21197 | -60.3 | 517 | 21269 | -63.1 | 510 | 21325 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 45 |
| 50 | -65.0 | 490 | 20548 | -62.4 | 497 | 20615 | -63.2 | 495 | 20677 | -66.9 | 486 | 20607 | -66.5 | 487 | 20572 | -62.6 | 496 | 20652 | 50 |
| 55 | -64.2 | 479 | 19967 | -64.2 | 479 | 20029 | -63.2 | 481 | 20091 | -66.5 | 474 | 20033 | -67.2 | 472 | 19996 | -64.3 | 479 | 20067 | 55 |
| 60 | -65.9 | 463 | 19437 | -65.2 | 465 | 19499 | -63.3 | 469 | 19556 | -65.9 | 463 | 19504 | -67.7 | 459 | 19472 | -65.9 | 463 | 19537 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. FANNING ISLAND

| P | 4/18 5 0 GMT T | EPT | H | 4/18 1159 GMT T | EPT | H | 4/18 2357 GMT T | EPT | H | 4/19 2330 GMT T | EPT | H | 4/20 527 GMT T | EPT | H | 4/20 1216 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | -41.5 | 865 | 30968 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | -41.5 | 821 | 29731 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | -44.7 | 774 | 28692 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | -47.5 | 736 | 27805 | -46.8 | 738 | 27976 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | -50.0 | 704 | 27031 | -47.4 | 712 | 27196 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | -56.2 | 664 | 26358 | -51.2 | 679 | 26503 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | 0.0 | 0 | 0 | -52.2 | 635 | 24927 | -53.3 | 631 | 25052 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -53.4 | 631 | 24983 | 25 |
| 30 | 0.0 | 0 | 0 | -56.1 | 592 | 23756 | -56.2 | 592 | 23882 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -54.3 | 597 | 23812 | 30 |
| 35 | 0.0 | 0 | 0 | -55.0 | 569 | 22774 | -55.6 | 568 | 22898 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -57.7 | 562 | 22828 | 35 |
| 40 | 0.0 | 0 | 0 | -58.4 | 539 | 21924 | -61.9 | 530 | 22059 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -62.3 | 529 | 21997 | 40 |
| 45 | 0.0 | 0 | 0 | -62.1 | 512 | 21192 | -63.4 | 509 | 21331 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -63.2 | 510 | 21271 | 45 |
| 50 | -65.2 | 490 | 20611 | -65.3 | 490 | 20543 | -66.3 | 487 | 20691 | -62.1 | 497 | 20585 | -60.6 | 501 | 20692 | -64.0 | 493 | 20625 | 50 |
| 55 | -65.3 | 476 | 20029 | -66.7 | 474 | 19968 | -66.4 | 474 | 20114 | -65.1 | 477 | 20000 | -61.3 | 486 | 20098 | -64.7 | 478 | 20042 | 55 |
| 60 | -69.2 | 456 | 19505 | -69.4 | 456 | 19446 | -66.4 | 462 | 19587 | -67.9 | 459 | 19474 | -66.4 | 462 | 19565 | -65.4 | 465 | 19511 | 60 |

| P | 4/20 2355 GMT T | EPT | H | 4/21 2325 GMT T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -40.6 | 824 | 29887 | -39.3 | 829 | 29965 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -44.5 | 775 | 28846 | -40.4 | 789 | 28909 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | -43.7 | 749 | 27950 | -45.7 | 742 | 28009 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | -48.5 | 709 | 27167 | -49.3 | 706 | 27231 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | -49.8 | 684 | 26479 | -48.4 | 688 | 26539 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | -53.2 | 632 | 25029 | -53.5 | 631 | 25073 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | -54.9 | 595 | 23857 | -56.7 | 590 | 23909 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | -57.1 | 564 | 22880 | -57.2 | 563 | 22935 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 35 |
| 40 | -60.6 | 534 | 22036 | -56.2 | 545 | 22088 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 40 |
| 45 | -61.8 | 513 | 21305 | -60.0 | 517 | 21345 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 45 |
| 50 | -62.9 | 495 | 20655 | -62.3 | 497 | 20693 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 50 |
| 55 | -63.9 | 480 | 20069 | -61.2 | 486 | 20103 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 55 |
| 60 | -64.7 | 466 | 19537 | -65.4 | 464 | 19572 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

| P | 3/ 5 1210 GMT T | EPT | H | 3/ 6 1240 GMT T | EPT | H | 3/ 7 0 0 GMT T | EPT | H | 3/ 7 1220 GMT T | EPT | H | 3/ 9 0 5 GMT T | EPT | H | 3/ 9 1145 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -40.9 | 1127 | 36977 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -43.7 | 1044 | 35469 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | -37.9 | 1016 | 34267 | 0.0 | 0 | 0 | -46.0 | 981 | 34250 | -31.0 | 1046 | 34739 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | -41.0 | 959 | 33213 | 0.0 | 0 | 0 | -45.5 | 941 | 33223 | -34.9 | 985 | 33655 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | -42.9 | 916 | 32309 | -35.4 | 946 | 32723 | -45.0 | 908 | 32332 | -34.8 | 948 | 32723 | -40.7 | 925 | 32539 | 8 |
| 9 | 0.0 | 0 | 0 | -42.5 | 887 | 31515 | -35.6 | 914 | 31904 | -44.6 | 879 | 31544 | -34.8 | 917 | 31901 | -42.0 | 889 | 31740 | 9 |
| 10 | 0.0 | 0 | 0 | -41.8 | 864 | 30802 | -35.7 | 886 | 31171 | -44.2 | 855 | 30838 | -39.1 | 874 | 31172 | -43.1 | 859 | 31028 | 10 |
| 12 | 0.0 | 0 | 0 | -44.1 | 812 | 29570 | -43.1 | 815 | 29932 | -48.6 | 796 | 29627 | -25.3 | 878 | 29812 | -44.0 | 812 | 29802 | 12 |
| 14 | 0.0 | 0 | 0 | -50.4 | 755 | 28552 | -43.5 | 778 | 28894 | -50.1 | 756 | 28617 | -46.5 | 768 | 28759 | -44.7 | 774 | 28769 | 14 |
| 16 | 0.0 | 0 | 0 | -50.0 | 728 | 27680 | -43.9 | 748 | 27997 | -51.4 | 724 | 27747 | -47.1 | 738 | 27877 | -48.3 | 734 | 27883 | 16 |
| 18 | 0.0 | 0 | 0 | -49.7 | 705 | 26909 | -48.1 | 710 | 27213 | -51.1 | 701 | 26982 | -51.4 | 700 | 27105 | -50.3 | 703 | 27107 | 18 |
| 20 | -51.0 | 680 | 26268 | -53.8 | 671 | 26224 | -48.3 | 688 | 26519 | -50.8 | 681 | 26296 | -53.9 | 671 | 26426 | -49.7 | 684 | 26418 | 20 |
| 25 | -55.4 | 625 | 24831 | -59.9 | 612 | 24820 | -51.3 | 637 | 25056 | -56.8 | 621 | 24871 | -53.7 | 630 | 24993 | -56.8 | 621 | 24982 | 25 |
| 30 | -57.8 | 587 | 23677 | -60.0 | 581 | 23683 | -52.5 | 602 | 23877 | -59.5 | 583 | 23721 | -53.5 | 599 | 23821 | -56.9 | 589 | 23827 | 30 |
| 35 | -57.9 | 561 | 22705 | -58.3 | 560 | 22717 | -57.1 | 564 | 22891 | -58.0 | 561 | 22753 | -58.3 | 560 | 22835 | -57.0 | 564 | 22852 | 35 |
| 40 | -58.1 | 540 | 21864 | -56.9 | 543 | 21874 | -58.5 | 539 | 22052 | -59.2 | 537 | 21913 | -59.4 | 537 | 22002 | -58.3 | 539 | 22008 | 40 |
| 45 | -59.9 | 518 | 21125 | -60.1 | 517 | 21131 | -59.8 | 518 | 21311 | -61.5 | 514 | 21178 | -56.6 | 526 | 21260 | -59.1 | 520 | 21270 | 45 |
| 50 | -62.4 | 497 | 20470 | -64.4 | 492 | 20481 | -59.6 | 503 | 20655 | -66.1 | 488 | 20532 | -58.1 | 507 | 20590 | -56.7 | 510 | 20606 | 50 |
| 55 | -66.4 | 474 | 19887 | -66.2 | 474 | 19901 | -61.7 | 485 | 20062 | -67.8 | 471 | 19958 | -65.3 | 476 | 20000 | -53.3 | 504 | 19997 | 55 |
| 60 | -70.1 | 454 | 19365 | -68.7 | 457 | 19376 | -63.6 | 469 | 19525 | -67.8 | 459 | 19435 | -71.9 | 450 | 19479 | -63.7 | 468 | 19450 | 60 |

| P | 3/10 0 0 GMT T | EPT | H | 3/10 1135 GMT T | EPT | H | 3/11 010 GMT T | EPT | H | 3/11 12 0 GMT T | EPT | H | 3/12 12 0 GMT T | EPT | H | 3/14 030 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -40.4 | 1005 | 34443 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -40.7 | 961 | 33393 | -40.7 | 961 | 33336 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -40.9 | 924 | 32484 | -41.2 | 923 | 32428 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.1 | 893 | 31684 | -41.7 | 890 | 31628 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.7 | 860 | 30960 | -41.3 | 865 | 30968 | -42.1 | 862 | 30915 | -40.8 | 867 | 31069 | 10 |
| 12 | -42.2 | 818 | 29939 | 0.0 | 0 | 0 | -45.3 | 807 | 29736 | -43.4 | 814 | 29736 | -44.3 | 811 | 29690 | -45.4 | 807 | 29841 | 12 |
| 14 | -43.7 | 778 | 28897 | 0.0 | 0 | 0 | -47.6 | 765 | 28712 | -45.2 | 773 | 28703 | -49.2 | 759 | 28662 | -46.0 | 770 | 28814 | 14 |
| 16 | -46.9 | 738 | 28006 | 0.0 | 0 | 0 | -49.6 | 730 | 27834 | -46.8 | 739 | 27815 | -50.6 | 726 | 27789 | -46.6 | 739 | 27927 | 16 |
| 18 | -45.5 | 718 | 27223 | 0.0 | 0 | 0 | -50.9 | 701 | 27066 | -48.7 | 708 | 27037 | -51.9 | 698 | 27024 | -47.1 | 713 | 27147 | 18 |
| 20 | -44.2 | 701 | 26519 | 0.0 | 0 | 0 | -51.1 | 680 | 26380 | -50.4 | 682 | 26347 | -53.0 | 674 | 26343 | -51.6 | 678 | 26461 | 20 |
| 25 | -53.0 | 632 | 25061 | 0.0 | 0 | 0 | -55.7 | 625 | 24951 | -54.3 | 629 | 24915 | -54.9 | 627 | 24912 | -50.7 | 639 | 25005 | 25 |
| 30 | -55.8 | 592 | 23893 | 0.0 | 0 | 0 | -55.8 | 592 | 23793 | -57.7 | 587 | 23755 | -55.0 | 595 | 23746 | -57.6 | 588 | 23835 | 30 |
| 35 | -58.7 | 559 | 22918 | 0.0 | 0 | 0 | -56.1 | 566 | 22810 | -60.0 | 556 | 22789 | -57.2 | 563 | 22766 | -58.3 | 561 | 22861 | 35 |
| 40 | -59.4 | 537 | 22083 | 0.0 | 0 | 0 | -57.7 | 541 | 21964 | -59.5 | 537 | 21955 | -62.1 | 530 | 21931 | -61.8 | 531 | 22028 | 40 |
| 45 | -58.4 | 521 | 21344 | 0.0 | 0 | 0 | -59.1 | 520 | 21223 | -60.2 | 517 | 21218 | -64.3 | 507 | 21209 | -64.2 | 507 | 21304 | 45 |
| 50 | -58.7 | 505 | 20680 | -64.5 | 492 | 20416 | -60.8 | 500 | 20565 | -62.6 | 496 | 20564 | -63.1 | 495 | 20563 | -63.3 | 494 | 20658 | 50 |
| 55 | -61.9 | 484 | 20085 | -65.2 | 477 | 19834 | -62.2 | 484 | 19975 | -64.6 | 478 | 19980 | -62.1 | 484 | 19975 | -62.5 | 483 | 20071 | 55 |
| 60 | -65.7 | 464 | 19553 | -69.7 | 455 | 19309 | -66.8 | 461 | 19442 | -65.3 | 465 | 19449 | -64.2 | 467 | 19438 | -61.7 | 473 | 19533 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

| P | 3/14 1225 GMT T | EPT | H | 3/15 0 0 GMT T | EPT | H | 3/15 12 5 GMT T | EPT | H | 3/16 0 5 GMT T | EPT | H | 3/16 1210 GMT T | EPT | H | 3/17 013 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | -48.2 | 1024 | 35683 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | -46.6 | 979 | 34477 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | -45.2 | 942 | 33451 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -40.6 | 961 | 33346 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | -44.1 | 911 | 32558 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.7 | 921 | 32438 | -36.4 | 942 | 32660 | 8 |
| 9 | 0.0 | 0 | 0 | -43.0 | 885 | 31766 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.6 | 887 | 31642 | -37.5 | 907 | 31845 | 9 |
| 10 | 0.0 | 0 | 0 | -42.1 | 862 | 31054 | 0.0 | 0 | 0 | -40.0 | 870 | 31165 | -43.5 | 857 | 30932 | -40.5 | 868 | 31123 | 10 |
| 12 | 0.0 | 0 | 0 | -45.6 | 806 | 29830 | -48.9 | 795 | 29735 | -44.1 | 812 | 29931 | -43.7 | 813 | 29711 | -44.1 | 812 | 29894 | 12 |
| 14 | 0.0 | 0 | 0 | -48.5 | 761 | 28809 | -49.1 | 760 | 28723 | -47.6 | 765 | 28905 | -49.5 | 758 | 28693 | -44.8 | 774 | 28861 | 14 |
| 16 | 0.0 | 0 | 0 | -51.1 | 725 | 27936 | -52.4 | 720 | 27851 | -50.6 | 726 | 28028 | -51.4 | 723 | 27822 | -46.8 | 739 | 27971 | 16 |
| 18 | 0.0 | 0 | 0 | -53.4 | 693 | 27174 | -51.6 | 699 | 27092 | -53.2 | 694 | 27265 | -52.6 | 696 | 27060 | -49.8 | 705 | 27195 | 18 |
| 20 | 0.0 | 0 | 0 | -53.9 | 671 | 26498 | -51.5 | 679 | 26405 | -53.3 | 673 | 26587 | -53.1 | 674 | 26380 | -52.5 | 676 | 26510 | 20 |
| 25 | 0.0 | 0 | 0 | -51.5 | 637 | 25057 | -51.6 | 636 | 24957 | -53.4 | 631 | 25150 | -54.1 | 629 | 24945 | -52.4 | 634 | 25067 | 25 |
| 30 | 0.0 | 0 | 0 | -52.4 | 602 | 23871 | -54.8 | 595 | 23777 | -53.5 | 599 | 23977 | -55.5 | 593 | 23779 | -53.8 | 598 | 23890 | 30 |
| 35 | 0.0 | 0 | 0 | -56.2 | 566 | 22885 | -61.7 | 552 | 22807 | -53.6 | 573 | 22986 | -57.0 | 564 | 22799 | -54.3 | 571 | 22904 | 35 |
| 40 | 0.0 | 0 | 0 | -59.0 | 538 | 22041 | -59.8 | 536 | 21977 | -54.7 | 549 | 22128 | -58.8 | 538 | 21957 | -54.3 | 550 | 22046 | 40 |
| 45 | 0.0 | 0 | 0 | -63.0 | 510 | 21309 | -61.2 | 515 | 21242 | -59.3 | 519 | 21383 | -62.3 | 512 | 21223 | -57.1 | 525 | 21295 | 45 |
| 50 | 0.0 | 0 | 0 | -66.6 | 487 | 20666 | -65.6 | 489 | 20594 | -61.2 | 499 | 20727 | -65.5 | 489 | 20578 | -61.5 | 499 | 20635 | 50 |
| 55 | -63.2 | 481 | 20001 | -67.4 | 472 | 20091 | -69.0 | 468 | 20021 | -63.4 | 481 | 20138 | -67.4 | 472 | 20002 | -65.6 | 476 | 20050 | 55 |
| 60 | -63.5 | 469 | 19467 | -66.0 | 463 | 19565 | -67.4 | 460 | 19499 | -66.6 | 462 | 19607 | -69.1 | 456 | 19477 | -69.3 | 456 | 19526 | 60 |

| P | 3/17 1145 GMT T | EPT | H | 3/18 0 0 GMT T | EPT | H | 3/18 2343 GMT T | EPT | H | 3/19 1220 GMT T | EPT | H | 3/19 2350 GMT T | EPT | H | 3/20 12 0 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -32.8 | 1094 | 35658 | -27.4 | 1118 | 35876 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.6 | 1030 | 34379 | -30.4 | 1049 | 34571 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | -33.4 | 991 | 33537 | -35.8 | 981 | 33557 | -36.2 | 979 | 33306 | -32.9 | 993 | 33481 | 0.0 | 0 | 0 | 7 |
| 8 | -41.5 | 922 | 32433 | -37.3 | 938 | 32607 | -36.9 | 940 | 32631 | -40.2 | 927 | 32387 | -35.1 | 947 | 32546 | 0.0 | 0 | 0 | 8 |
| 9 | -43.1 | 885 | 31636 | -40.8 | 894 | 31800 | -37.9 | 905 | 31818 | -43.7 | 883 | 31590 | -37.1 | 908 | 31728 | -39.9 | 897 | 31843 | 9 |
| 10 | -44.5 | 853 | 30929 | -43.9 | 856 | 31088 | -38.8 | 875 | 31094 | -46.8 | 845 | 30886 | -38.8 | 875 | 31003 | -41.1 | 866 | 31125 | 10 |
| 12 | -47.2 | 801 | 29718 | -43.8 | 813 | 29863 | -43.1 | 815 | 29854 | -44.0 | 812 | 29670 | -43.6 | 813 | 29764 | -41.9 | 819 | 29888 | 12 |
| 14 | -47.5 | 765 | 28698 | -45.7 | 771 | 28830 | -46.8 | 767 | 28824 | -47.5 | 765 | 28636 | -47.7 | 764 | 28737 | -43.7 | 778 | 28847 | 14 |
| 16 | -47.8 | 735 | 27817 | -49.4 | 730 | 27948 | -50.0 | 728 | 27945 | -50.7 | 726 | 27763 | -49.8 | 729 | 27861 | -46.5 | 740 | 27955 | 16 |
| 18 | -48.1 | 710 | 27040 | -50.8 | 702 | 27180 | -51.5 | 699 | 27179 | -51.9 | 698 | 26997 | -50.3 | 703 | 27092 | -45.5 | 718 | 27169 | 18 |
| 20 | -51.2 | 680 | 26348 | -50.4 | 682 | 26493 | -49.5 | 685 | 26492 | -52.9 | 674 | 26316 | -51.3 | 679 | 26405 | -47.3 | 692 | 26470 | 20 |
| 25 | -56.2 | 623 | 24920 | -56.4 | 623 | 25048 | -53.1 | 632 | 25037 | -51.8 | 636 | 24876 | -54.4 | 628 | 24966 | -51.1 | 638 | 25006 | 25 |
| 30 | -57.9 | 587 | 23767 | -58.0 | 587 | 23895 | -57.4 | 588 | 23875 | -58.0 | 587 | 23710 | -55.6 | 593 | 23799 | -53.1 | 600 | 23827 | 30 |
| 35 | -58.3 | 561 | 22796 | -58.8 | 559 | 22926 | -58.5 | 560 | 22903 | -61.0 | 553 | 22749 | -59.6 | 557 | 22832 | -54.2 | 571 | 22836 | 35 |
| 40 | -60.5 | 534 | 21959 | -57.6 | 541 | 22086 | -59.5 | 536 | 22066 | -60.5 | 534 | 21918 | -61.5 | 531 | 22000 | -57.6 | 541 | 21987 | 40 |
| 45 | -62.2 | 512 | 21230 | -57.7 | 523 | 21341 | -60.4 | 517 | 21330 | -60.1 | 517 | 21184 | -63.0 | 510 | 21274 | -62.4 | 512 | 21250 | 45 |
| 50 | -62.3 | 497 | 20578 | -62.3 | 497 | 20683 | -61.1 | 499 | 20675 | -61.7 | 498 | 20529 | -60.9 | 500 | 20622 | -66.3 | 487 | 20608 | 50 |
| 55 | -64.7 | 478 | 19993 | -65.7 | 476 | 20100 | -61.8 | 484 | 20084 | -63.9 | 480 | 19941 | -63.8 | 480 | 20031 | -64.2 | 479 | 20028 | 55 |
| 60 | -65.2 | 465 | 19463 | -65.7 | 464 | 19571 | -67.3 | 460 | 19550 | -68.1 | 458 | 19414 | -69.6 | 455 | 19505 | -63.5 | 469 | 19494 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

| P | 3/20 2350 GMT | | | 3/22 020 GMT | | | 3/23 1145 GMT | | | 3/24 0 7 GMT | | | 3/24 12 0 GMT | | | 3/25 0 1 GMT | | | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | |
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | -20.5 | 1331 | 39671 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | -24.5 | 1206 | 37559 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -26.6 | 1122 | 36070 | -27.5 | 1118 | 35944 | -31.8 | 1098 | 35805 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -28.5 | 1057 | 34758 | -29.4 | 1053 | 34638 | -33.9 | 1033 | 34522 | -27.9 | 1059 | 34825 | 0.0 | 0 | 0 | -31.3 | 1045 | 34810 | 6 |
| 7 | -30.1 | 1005 | 33658 | -30.6 | 1002 | 33541 | -35.7 | 981 | 33446 | -30.9 | 1001 | 33730 | 0.0 | 0 | 0 | -32.4 | 995 | 33721 | 7 |
| 8 | -31.5 | 961 | 32710 | -31.7 | 961 | 32595 | -37.3 | 938 | 32521 | -31.1 | 963 | 32783 | 0.0 | 0 | 0 | -33.4 | 954 | 32782 | 8 |
| 9 | -34.9 | 916 | 31882 | -34.2 | 919 | 31766 | -38.7 | 902 | 31710 | -31.3 | 930 | 31948 | 0.0 | 0 | 0 | -34.3 | 919 | 31956 | 9 |
| 10 | -38.0 | 878 | 31152 | -36.4 | 884 | 31032 | -39.9 | 871 | 30988 | -34.2 | 892 | 31207 | 0.0 | 0 | 0 | -38.3 | 877 | 31226 | 10 |
| 12 | -39.6 | 828 | 29901 | -42.2 | 818 | 29783 | -43.2 | 815 | 29752 | -41.4 | 821 | 29950 | 0.0 | 0 | 0 | -41.4 | 821 | 29980 | 12 |
| 14 | -40.9 | 787 | 28849 | -45.9 | 770 | 28749 | -46.0 | 770 | 28720 | -42.2 | 783 | 28906 | 0.0 | 0 | 0 | -44.0 | 777 | 28940 | 14 |
| 16 | -49.8 | 729 | 27958 | -48.6 | 733 | 27868 | -48.5 | 733 | 27836 | -42.8 | 752 | 28003 | -48.9 | 732 | 27869 | -46.3 | 740 | 28048 | 16 |
| 18 | -49.2 | 707 | 27187 | -49.0 | 707 | 27094 | -50.6 | 702 | 27065 | -48.7 | 708 | 27214 | -45.5 | 718 | 27090 | -47.2 | 713 | 27268 | 18 |
| 20 | -48.6 | 687 | 26495 | -49.4 | 685 | 26403 | -47.9 | 690 | 26374 | -49.3 | 685 | 26523 | -51.9 | 677 | 26402 | -47.1 | 692 | 26571 | 20 |
| 25 | -52.1 | 635 | 25045 | -53.2 | 632 | 24954 | -54.3 | 629 | 24914 | -53.3 | 631 | 25071 | -51.5 | 637 | 24955 | -49.7 | 642 | 25104 | 25 |
| 30 | -55.0 | 595 | 23863 | -54.9 | 595 | 23787 | -57.2 | 589 | 23762 | -55.1 | 594 | 23898 | -57.6 | 588 | 23780 | -56.7 | 590 | 23935 | 30 |
| 35 | -55.5 | 568 | 22879 | -54.2 | 571 | 22800 | -54.8 | 570 | 22779 | -55.8 | 567 | 22915 | -56.8 | 564 | 22805 | -54.2 | 571 | 22952 | 35 |
| 40 | -55.9 | 545 | 22029 | -61.3 | 532 | 21960 | -54.2 | 550 | 21924 | -56.4 | 544 | 22066 | -58.9 | 538 | 21962 | -52.0 | 555 | 22091 | 40 |
| 45 | -59.0 | 520 | 21283 | -61.4 | 514 | 21229 | -56.8 | 525 | 21170 | -56.9 | 525 | 21320 | -59.5 | 519 | 21224 | -56.6 | 526 | 21334 | 45 |
| 50 | -63.5 | 494 | 20629 | -61.4 | 499 | 20576 | -63.5 | 494 | 20513 | -57.4 | 508 | 20653 | -60.0 | 502 | 20566 | -59.9 | 502 | 20673 | 50 |
| 55 | -63.7 | 480 | 20045 | -65.3 | 477 | 19989 | -69.5 | 467 | 19936 | -57.8 | 494 | 20052 | -60.5 | 487 | 19971 | -59.7 | 489 | 20078 | 55 |
| 60 | -63.9 | 468 | 19511 | -66.6 | 462 | 19463 | -70.7 | 453 | 19419 | -65.9 | 463 | 19515 | -65.7 | 464 | 19436 | -71.8 | 450 | 19546 | 60 |

| P | 3/25 12 5 GMT | | | 3/27 010 GMT | | | 3/27 1150 GMT | | | 3/27 2350 GMT | | | 3/28 1155 GMT | | | 3/29 0 0 GMT | | | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | |
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.9 | 1025 | 34295 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -30.1 | 1050 | 34794 | 6 |
| 7 | -40.7 | 961 | 33385 | 0.0 | 0 | 0 | -37.8 | 973 | 33228 | -34.0 | 989 | 33625 | 0.0 | 0 | 0 | -32.4 | 995 | 33702 | 7 |
| 8 | -42.7 | 917 | 32480 | 0.0 | 0 | 0 | -39.4 | 930 | 32311 | -36.2 | 943 | 32694 | 0.0 | 0 | 0 | -34.3 | 950 | 32764 | 8 |
| 9 | -44.1 | 881 | 31688 | 0.0 | 0 | 0 | -40.9 | 893 | 31507 | -38.2 | 904 | 31880 | 0.0 | 0 | 0 | -36.1 | 912 | 31943 | 9 |
| 10 | -43.9 | 856 | 30981 | 0.0 | 0 | 0 | -42.2 | 862 | 30793 | -40.0 | 870 | 31158 | -40.3 | 869 | 31102 | -37.6 | 879 | 31214 | 10 |
| 12 | -45.1 | 808 | 29760 | -35.4 | 842 | 29973 | -45.8 | 806 | 29569 | -41.5 | 821 | 29917 | -42.5 | 817 | 29865 | -40.7 | 824 | 29965 | 12 |
| 14 | -48.4 | 762 | 28735 | -39.2 | 793 | 28908 | -48.8 | 761 | 28549 | -42.7 | 781 | 28874 | -44.4 | 776 | 28828 | -43.3 | 779 | 28921 | 14 |
| 16 | -47.9 | 735 | 27853 | -42.4 | 753 | 28000 | -48.6 | 733 | 27674 | -45.2 | 744 | 27975 | -46.0 | 741 | 27936 | -45.6 | 743 | 28027 | 16 |
| 18 | -51.5 | 699 | 27082 | -47.0 | 714 | 27217 | -52.3 | 697 | 26912 | -49.8 | 705 | 27199 | -51.0 | 701 | 27161 | -47.6 | 712 | 27245 | 18 |
| 20 | -54.1 | 671 | 26400 | -45.4 | 697 | 26516 | -49.0 | 686 | 26226 | -49.2 | 686 | 26509 | -52.0 | 677 | 26479 | -49.1 | 686 | 26552 | 20 |
| 25 | -52.5 | 634 | 24960 | -49.9 | 641 | 25051 | -54.1 | 629 | 24774 | -49.2 | 643 | 25042 | -51.6 | 636 | 25032 | -49.3 | 643 | 25094 | 25 |
| 30 | -55.4 | 594 | 23790 | -57.1 | 589 | 23873 | -57.8 | 587 | 23616 | -58.0 | 586 | 23869 | -51.2 | 605 | 23848 | -56.8 | 590 | 23908 | 30 |
| 35 | -56.5 | 565 | 22810 | -58.0 | 561 | 22901 | -60.1 | 556 | 22655 | -58.6 | 560 | 22899 | -56.9 | 564 | 22862 | -55.1 | 569 | 22928 | 35 |
| 40 | -57.1 | 542 | 21964 | -59.7 | 536 | 22066 | -62.0 | 530 | 21823 | -62.3 | 530 | 22066 | -58.3 | 539 | 22019 | -59.2 | 537 | 22085 | 40 |
| 45 | -62.6 | 511 | 21228 | -57.5 | 524 | 21326 | -60.8 | 515 | 21096 | -60.6 | 516 | 21337 | -61.4 | 514 | 21282 | -61.6 | 514 | 21351 | 45 |
| 50 | -65.0 | 490 | 20584 | -55.5 | 513 | 20658 | -62.2 | 497 | 20440 | -62.1 | 497 | 20681 | -61.5 | 498 | 20630 | -62.1 | 497 | 20700 | 50 |
| 55 | -63.6 | 480 | 20001 | -61.6 | 485 | 20059 | -66.9 | 473 | 19857 | -64.5 | 478 | 20096 | -60.8 | 487 | 20039 | -60.7 | 487 | 20109 | 55 |
| 60 | -62.9 | 470 | 19466 | -67.2 | 460 | 19527 | -68.5 | 458 | 19334 | -65.7 | 464 | 19566 | -66.7 | 462 | 19507 | -64.7 | 466 | 19570 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

| P | 3/29 12 0 GMT T | EPT | H | 3/29 2345 GMT T | EPT | H | 3/30 1220 GMT T | EPT | H | 3/31 0 2 GMT T | EPT | H | 3/31 12 0 GMT T | EPT | H | 4/ 1 0 1 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.6 | 1026 | 34502 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.7 | 977 | 33432 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.7 | 929 | 32502 | 0.0 | 0 | 0 | -37.6 | 937 | 32509 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.3 | 892 | 31700 | 0.0 | 0 | 0 | -39.0 | 901 | 31698 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.8 | 860 | 30987 | 0.0 | 0 | 0 | -42.1 | 862 | 30980 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | -40.8 | 823 | 29947 | -45.5 | 807 | 29764 | 0.0 | 0 | 0 | -46.2 | 804 | 29758 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | -42.4 | 782 | 28905 | -47.8 | 764 | 28741 | 0.0 | 0 | 0 | -49.7 | 758 | 28741 | 0.0 | 0 | 0 | 14 |
| 16 | -48.5 | 733 | 27739 | -42.2 | 754 | 28002 | -48.2 | 734 | 27862 | 0.0 | 0 | 0 | -50.5 | 727 | 27871 | 0.0 | 0 | 0 | 16 |
| 18 | -51.3 | 700 | 26971 | -49.4 | 706 | 27211 | -49.2 | 707 | 27086 | -45.2 | 719 | 27227 | -49.1 | 707 | 27100 | 0.0 | 0 | 0 | 18 |
| 20 | -49.9 | 683 | 26284 | -49.7 | 684 | 26522 | -51.9 | 677 | 26400 | -49.6 | 684 | 26531 | -55.2 | 667 | 26418 | 0.0 | 0 | 0 | 20 |
| 25 | -52.2 | 635 | 24844 | -49.7 | 642 | 25058 | -52.5 | 634 | 24959 | -52.2 | 635 | 25071 | -54.2 | 629 | 24991 | 0.0 | 0 | 0 | 25 |
| 30 | -53.0 | 600 | 23657 | -53.8 | 598 | 23873 | -51.7 | 604 | 23779 | -55.0 | 595 | 23904 | -53.4 | 599 | 23820 | 0.0 | 0 | 0 | 30 |
| 35 | -62.5 | 550 | 22691 | -55.8 | 567 | 22888 | -60.3 | 555 | 22795 | -54.8 | 570 | 22918 | -52.8 | 575 | 22826 | 0.0 | 0 | 0 | 35 |
| 40 | -65.2 | 522 | 21872 | -60.3 | 534 | 22044 | -58.8 | 538 | 21957 | -56.6 | 544 | 22066 | -52.2 | 555 | 21964 | 0.0 | 0 | 0 | 40 |
| 45 | -61.0 | 515 | 21148 | -60.8 | 515 | 21314 | -63.6 | 509 | 21226 | -61.1 | 515 | 21326 | -63.5 | 509 | 21221 | 0.0 | 0 | 0 | 45 |
| 50 | -62.3 | 497 | 20492 | -62.5 | 496 | 20661 | -63.3 | 494 | 20580 | -61.7 | 498 | 20674 | -65.3 | 490 | 20580 | -60.8 | 500 | 20715 | 50 |
| 55 | -63.7 | 480 | 19906 | -63.0 | 482 | 20074 | -62.0 | 484 | 19993 | -61.4 | 485 | 20083 | -65.1 | 477 | 19999 | -60.6 | 487 | 20122 | 55 |
| 60 | -66.9 | 461 | 19375 | -66.1 | 463 | 19541 | -63.0 | 470 | 19454 | -62.2 | 472 | 19544 | -64.8 | 466 | 19469 | -61.8 | 472 | 19581 | 60 |

| P | 4/ 1 12 5 GMT T | EPT | H | 4/ 1 2348 GMT T | EPT | H | 4/ 2 12 6 GMT T | EPT | H | 4/ 2 2346 GMT T | EPT | H | 4/ 4 015 GMT T | EPT | H | 4/ 4 1146 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -22.3 | 1142 | 35939 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.8 | 1029 | 34511 | -23.5 | 1079 | 35037 | -31.4 | 1044 | 34627 | -35.1 | 1028 | 34545 | 6 |
| 7 | -36.2 | 979 | 33442 | 0.0 | 0 | 0 | -38.5 | 970 | 33446 | -24.3 | 1029 | 33911 | -33.5 | 991 | 33541 | -36.2 | 979 | 33473 | 7 |
| 8 | -38.4 | 934 | 32519 | -30.7 | 965 | 32821 | -39.8 | 929 | 32531 | -27.5 | 977 | 32945 | -35.2 | 947 | 32607 | -37.2 | 939 | 32548 | 8 |
| 9 | -40.4 | 895 | 31713 | -33.8 | 921 | 31990 | -40.9 | 893 | 31728 | -30.4 | 934 | 32102 | -36.7 | 909 | 31789 | -38.0 | 904 | 31736 | 9 |
| 10 | -42.2 | 862 | 30998 | -36.6 | 883 | 31256 | -41.9 | 863 | 31013 | -32.9 | 897 | 31357 | -38.1 | 877 | 31061 | -38.8 | 875 | 31011 | 10 |
| 12 | -43.5 | 814 | 29768 | -41.8 | 820 | 30006 | -44.1 | 812 | 29784 | -36.3 | 839 | 30089 | -41.9 | 819 | 29818 | -41.7 | 820 | 29764 | 12 |
| 14 | -48.5 | 762 | 28738 | -42.5 | 782 | 28964 | -45.9 | 770 | 28754 | -39.9 | 791 | 29028 | -42.8 | 781 | 28776 | -47.1 | 766 | 28733 | 14 |
| 16 | -49.6 | 729 | 27860 | -44.9 | 745 | 28064 | -47.5 | 736 | 27869 | -43.1 | 751 | 28123 | -43.6 | 749 | 27876 | -49.9 | 729 | 27856 | 16 |
| 18 | -52.6 | 696 | 27094 | -46.7 | 715 | 27282 | -50.5 | 702 | 27098 | -44.1 | 723 | 27329 | -45.9 | 717 | 27089 | -49.3 | 706 | 27085 | 18 |
| 20 | -50.0 | 683 | 26410 | -46.2 | 695 | 26583 | -50.6 | 681 | 26411 | -47.8 | 690 | 26629 | -51.3 | 679 | 26396 | -49.7 | 684 | 26394 | 20 |
| 25 | -54.6 | 628 | 24965 | -50.7 | 639 | 25110 | -53.4 | 631 | 24961 | -53.1 | 632 | 25164 | -50.1 | 641 | 24947 | -53.6 | 631 | 24952 | 25 |
| 30 | -55.4 | 594 | 23800 | -54.9 | 595 | 23942 | -58.3 | 586 | 23803 | -57.1 | 589 | 24005 | -56.5 | 591 | 23769 | -54.7 | 596 | 23781 | 30 |
| 35 | -56.1 | 566 | 22819 | -54.3 | 571 | 22954 | -58.6 | 560 | 22834 | -57.8 | 562 | 23031 | -59.6 | 557 | 22802 | -58.8 | 559 | 22800 | 35 |
| 40 | -60.0 | 535 | 21976 | -55.6 | 546 | 22101 | -56.9 | 543 | 21992 | -58.4 | 539 | 22190 | -59.3 | 537 | 21967 | -61.2 | 532 | 21967 | 40 |
| 45 | -62.3 | 512 | 21245 | -56.8 | 525 | 21353 | -56.1 | 527 | 21243 | -59.0 | 520 | 21451 | -59.4 | 519 | 21229 | -62.8 | 511 | 21239 | 45 |
| 50 | -63.8 | 493 | 20597 | -55.7 | 512 | 20685 | -60.3 | 501 | 20579 | -59.5 | 503 | 20790 | -60.7 | 500 | 20571 | -62.6 | 496 | 20590 | 50 |
| 55 | -64.4 | 478 | 20014 | -66.3 | 474 | 20102 | -64.9 | 477 | 19991 | -59.9 | 489 | 20195 | -62.0 | 484 | 19980 | -62.7 | 482 | 20002 | 55 |
| 60 | -65.0 | 466 | 19483 | -66.3 | 462 | 19575 | -66.8 | 461 | 19464 | -60.3 | 476 | 19652 | -66.7 | 462 | 19448 | -64.2 | 467 | 19468 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

| P | 4/ 4 2355 GMT T | EPT | H | 4/ 5 12 0 GMT T | EPT | H | 4/ 6 0 5 GMT T | EPT | H | 4/ 6 1223 GMT T | EPT | H | 4/ 7 025 GMT T | EPT | H | 4/ 7 1211 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -25.3 | 1128 | 36036 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -29.0 | 1055 | 34723 | -33.9 | 1034 | 34622 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -28.3 | 1058 | 34831 | 0.0 | 0 | 0 | 6 |
| 7 | -32.1 | 996 | 33627 | -34.9 | 985 | 33545 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -31.2 | 1000 | 33732 | 0.0 | 0 | 0 | 7 |
| 8 | -34.0 | 951 | 32688 | -35.9 | 944 | 32615 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -33.2 | 955 | 32790 | 0.0 | 0 | 0 | 8 |
| 9 | -35.8 | 913 | 31867 | -37.6 | 906 | 31799 | 0.0 | 0 | 0 | -37.6 | 906 | 31781 | -34.6 | 918 | 31965 | 0.0 | 0 | 0 | 9 |
| 10 | -37.3 | 880 | 31137 | -39.8 | 871 | 31075 | 0.0 | 0 | 0 | -38.6 | 875 | 31055 | -35.9 | 886 | 31231 | -42.5 | 861 | 30974 | 10 |
| 12 | -38.4 | 832 | 29880 | -42.9 | 816 | 29838 | -37.4 | 835 | 30050 | -40.7 | 824 | 29809 | -38.1 | 833 | 29971 | -45.4 | 807 | 29751 | 12 |
| 14 | -43.1 | 780 | 28831 | -45.5 | 772 | 28804 | -40.6 | 788 | 28993 | -42.5 | 782 | 28763 | -40.0 | 790 | 28914 | -47.9 | 764 | 28728 | 14 |
| 16 | -47.1 | 738 | 27939 | -47.7 | 736 | 27918 | -43.5 | 749 | 28090 | -49.0 | 731 | 27880 | -43.7 | 749 | 28008 | -49.3 | 730 | 27851 | 16 |
| 18 | -46.9 | 714 | 27159 | -49.7 | 705 | 27144 | -46.0 | 717 | 27302 | -49.8 | 705 | 27108 | -47.3 | 713 | 27225 | -50.0 | 704 | 27080 | 18 |
| 20 | -47.4 | 691 | 26461 | -50.2 | 683 | 26455 | -44.7 | 699 | 26599 | -50.5 | 682 | 26420 | -45.6 | 696 | 26525 | -50.7 | 681 | 26392 | 20 |
| 25 | -52.7 | 633 | 25006 | -54.1 | 629 | 25019 | -53.3 | 631 | 25141 | -51.9 | 635 | 24969 | -52.1 | 635 | 25059 | -53.8 | 630 | 24949 | 25 |
| 30 | -55.2 | 594 | 23831 | -53.6 | 599 | 23848 | -50.8 | 606 | 23961 | -57.9 | 587 | 23811 | -55.7 | 593 | 23889 | -53.5 | 599 | 23781 | 30 |
| 35 | -58.7 | 559 | 22858 | -55.3 | 568 | 22858 | -53.4 | 573 | 22963 | -57.4 | 563 | 22838 | -57.4 | 563 | 22911 | -56.0 | 566 | 22786 | 35 |
| 40 | -60.5 | 534 | 22023 | -58.6 | 539 | 22012 | -58.0 | 540 | 22110 | -56.9 | 543 | 21993 | -58.6 | 539 | 22070 | -60.9 | 533 | 21952 | 40 |
| 45 | -62.0 | 513 | 21292 | -62.2 | 512 | 21279 | -63.0 | 510 | 21379 | -58.8 | 520 | 21255 | -59.7 | 518 | 21332 | -61.2 | 515 | 21220 | 45 |
| 50 | -62.6 | 496 | 20641 | -63.5 | 494 | 20631 | -63.9 | 493 | 20732 | -62.9 | 495 | 20598 | -61.3 | 499 | 20675 | -64.5 | 491 | 20570 | 50 |
| 55 | -62.8 | 482 | 20054 | -64.7 | 478 | 20047 | -64.8 | 478 | 20149 | -64.8 | 478 | 20014 | -65.2 | 477 | 20089 | -66.0 | 475 | 19990 | 55 |
| 60 | -63.1 | 470 | 19518 | -65.0 | 465 | 19517 | -64.6 | 466 | 19619 | -68.7 | 457 | 19488 | -67.9 | 459 | 19564 | -66.8 | 461 | 19463 | 60 |

| P | 4/ 7 2335 GMT T | EPT | H | 4/ 8 1217 GMT T | EPT | H | 4/ 8 2346 GMT T | EPT | H | 4/ 9 12 0 GMT T | EPT | H | 4/10 1151 GMT T | EPT | H | 4/10 2250 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.6 | 978 | 33639 | 0.0 | 0 | 0 | -38.5 | 970 | 33290 | -34.1 | 988 | 33647 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.9 | 944 | 32711 | -38.9 | 932 | 32594 | -39.9 | 928 | 32375 | -36.2 | 943 | 32716 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.1 | 908 | 31895 | -41.0 | 893 | 31790 | -41.2 | 892 | 31573 | -38.0 | 905 | 31902 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.3 | 877 | 31168 | -40.5 | 868 | 31073 | -42.8 | 860 | 30859 | -39.6 | 872 | 31179 | 10 |
| 12 | 0.0 | 0 | 0 | -45.8 | 806 | 29742 | -40.9 | 823 | 29924 | -40.1 | 826 | 29829 | -46.2 | 804 | 29638 | -43.0 | 815 | 29941 | 12 |
| 14 | -40.9 | 787 | 28940 | -47.0 | 767 | 28719 | -40.9 | 787 | 28874 | -42.8 | 781 | 28780 | -46.4 | 769 | 28616 | -44.2 | 776 | 28906 | 14 |
| 16 | -46.2 | 741 | 28042 | -50.0 | 728 | 27839 | -41.9 | 755 | 27968 | -48.1 | 734 | 27889 | -45.7 | 742 | 27728 | -43.6 | 749 | 28010 | 16 |
| 18 | -49.2 | 706 | 27264 | -51.1 | 701 | 27072 | -47.5 | 712 | 27182 | -50.6 | 702 | 27117 | -51.4 | 700 | 26953 | -48.5 | 709 | 27227 | 18 |
| 20 | -50.5 | 681 | 26577 | -50.9 | 680 | 26387 | -50.1 | 683 | 26490 | -49.9 | 684 | 26432 | -50.7 | 681 | 26268 | -47.2 | 692 | 26531 | 20 |
| 25 | -51.9 | 636 | 25123 | -50.7 | 639 | 24934 | -52.0 | 635 | 25054 | -53.5 | 631 | 24968 | -51.4 | 637 | 24825 | -50.2 | 640 | 25067 | 25 |
| 30 | -50.9 | 606 | 23939 | -57.2 | 589 | 23752 | -54.7 | 596 | 23877 | -54.3 | 597 | 23798 | -58.3 | 586 | 23659 | -53.2 | 600 | 23883 | 30 |
| 35 | -56.6 | 565 | 22947 | -54.2 | 571 | 22770 | -56.0 | 567 | 22894 | -56.5 | 565 | 22812 | -58.3 | 560 | 22692 | -56.3 | 566 | 22897 | 35 |
| 40 | -58.6 | 539 | 22104 | -56.3 | 544 | 21917 | -57.1 | 543 | 22046 | -56.4 | 544 | 21967 | -57.0 | 543 | 21849 | -59.1 | 537 | 22055 | 40 |
| 45 | -60.9 | 515 | 21368 | -62.1 | 512 | 21176 | -58.8 | 520 | 21304 | -56.2 | 527 | 21218 | -62.6 | 511 | 21113 | -61.5 | 514 | 21321 | 45 |
| 50 | -63.0 | 495 | 20716 | -65.1 | 490 | 20532 | -60.9 | 500 | 20645 | -60.1 | 502 | 20554 | -62.4 | 496 | 20461 | -60.6 | 501 | 20667 | 50 |
| 55 | -64.9 | 477 | 20132 | -65.3 | 476 | 19952 | -62.7 | 482 | 20056 | -64.4 | 479 | 19965 | -64.9 | 477 | 19877 | -60.1 | 488 | 20072 | 55 |
| 60 | -66.7 | 462 | 19604 | -65.5 | 464 | 19423 | -64.4 | 467 | 19521 | -67.1 | 461 | 19438 | -71.2 | 452 | 19353 | -63.2 | 469 | 19534 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

| P | 4/11 1133 GMT T | EPT | H | 4/11 2345 GMT T | EPT | H | 4/12 12 5 GMT T | EPT | H | 4/13 0 8 GMT T | EPT | H | 4/13 1154 GMT T | EPT | H | 4/13 2235 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.5 | 1031 | 34568 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | -31.1 | 1001 | 33656 | -37.9 | 972 | 33388 | 0.0 | 0 | 0 | -35.5 | 982 | 33492 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | -32.9 | 956 | 32713 | -38.3 | 934 | 32469 | 0.0 | 0 | 0 | -38.1 | 935 | 32568 | -36.1 | 943 | 32538 | 8 |
| 9 | -40.3 | 896 | 31766 | -34.6 | 918 | 31887 | -38.7 | 902 | 31660 | -36.0 | 912 | 31800 | -40.5 | 895 | 31762 | -38.5 | 903 | 31725 | 9 |
| 10 | -40.5 | 868 | 31048 | -36.0 | 885 | 31154 | -39.8 | 871 | 30938 | -38.6 | 875 | 31072 | -42.6 | 861 | 31047 | -39.8 | 871 | 31003 | 10 |
| 12 | -42.9 | 816 | 29812 | -41.2 | 822 | 29901 | -43.3 | 814 | 29701 | -42.3 | 818 | 29830 | -40.4 | 825 | 29810 | -43.2 | 815 | 29768 | 12 |
| 14 | -44.8 | 774 | 28777 | -44.4 | 776 | 28861 | -46.3 | 769 | 28670 | -45.5 | 772 | 28795 | -41.8 | 784 | 28763 | -43.9 | 777 | 28731 | 14 |
| 16 | -48.8 | 732 | 27891 | -47.2 | 737 | 27972 | -46.4 | 740 | 27783 | -45.5 | 743 | 27905 | -43.0 | 751 | 27860 | -46.3 | 740 | 27838 | 16 |
| 18 | -51.5 | 699 | 27123 | -49.6 | 705 | 27197 | -50.4 | 703 | 27008 | -45.5 | 718 | 27120 | -48.8 | 708 | 27076 | -46.5 | 715 | 27057 | 18 |
| 20 | -52.7 | 675 | 26441 | -51.8 | 678 | 26510 | -50.9 | 680 | 26321 | -50.2 | 683 | 26430 | -49.7 | 684 | 26384 | -48.8 | 687 | 26360 | 20 |
| 25 | -52.2 | 635 | 25001 | -51.3 | 637 | 25062 | -54.8 | 627 | 24879 | -50.8 | 639 | 24972 | -53.9 | 630 | 24929 | -56.9 | 621 | 24919 | 25 |
| 30 | -53.3 | 599 | 23819 | -52.0 | 603 | 23877 | -58.7 | 585 | 23729 | -55.2 | 594 | 23797 | -57.1 | 589 | 23767 | -57.7 | 587 | 23765 | 30 |
| 35 | -57.9 | 561 | 22841 | -54.9 | 569 | 22888 | -58.9 | 559 | 22761 | -59.0 | 559 | 22821 | -57.2 | 563 | 22793 | -57.9 | 562 | 22789 | 35 |
| 40 | -59.0 | 538 | 22002 | -55.6 | 546 | 22033 | -59.1 | 537 | 21924 | -59.3 | 537 | 21984 | -59.0 | 538 | 21952 | -57.3 | 542 | 21945 | 40 |
| 45 | -60.0 | 518 | 21265 | -58.4 | 521 | 21288 | -60.0 | 517 | 21189 | -59.5 | 519 | 21247 | -59.6 | 518 | 21216 | -58.8 | 520 | 21203 | 45 |
| 50 | -60.8 | 500 | 20608 | -60.9 | 500 | 20629 | -60.3 | 501 | 20531 | -63.0 | 495 | 20590 | -58.8 | 505 | 20556 | -60.4 | 501 | 20543 | 50 |
| 55 | -61.6 | 485 | 20017 | -63.2 | 481 | 20040 | -61.8 | 484 | 19939 | -63.8 | 480 | 20005 | -59.7 | 489 | 19957 | -63.2 | 481 | 19954 | 55 |
| 60 | -65.2 | 465 | 19482 | -65.2 | 465 | 19507 | -66.3 | 463 | 19406 | -67.0 | 461 | 19474 | -63.1 | 470 | 19418 | -65.8 | 464 | 19422 | 60 |

| P | 4/14 2350 GMT T | EPT | H | 4/15 1155 GMT T | EPT | H | 4/15 23 8 GMT T | EPT | H | 4/16 1216 GMT T | EPT | H | 4/16 2345 GMT T | EPT | H | 4/17 1145 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -24.0 | 1474 | 42387 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -17.1 | 1349 | 39932 | -27.7 | 1293 | 39447 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -28.5 | 1187 | 37823 | -30.9 | 1175 | 37393 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -29.9 | 1107 | 36228 | -33.4 | 1091 | 35818 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -31.0 | 1046 | 34932 | -35.4 | 1027 | 34543 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -31.9 | 997 | 33841 | -37.1 | 976 | 33473 | -31.2 | 1000 | 33649 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -32.7 | 957 | 32899 | -38.5 | 933 | 32553 | -34.0 | 952 | 32706 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.6 | 914 | 32075 | -39.8 | 898 | 31746 | -38.4 | 903 | 31889 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | -40.2 | 870 | 31057 | -38.2 | 877 | 31346 | -41.0 | 867 | 31028 | -42.4 | 861 | 31170 | -43.5 | 857 | 30965 | 10 |
| 12 | 0.0 | 0 | 0 | -41.6 | 820 | 29817 | -41.2 | 822 | 30099 | -45.0 | 808 | 29799 | -44.7 | 810 | 29944 | -44.2 | 811 | 29740 | 12 |
| 14 | 0.0 | 0 | 0 | -45.1 | 773 | 28779 | -41.4 | 786 | 29052 | -48.4 | 762 | 28777 | -46.6 | 768 | 28917 | -44.8 | 774 | 28708 | 14 |
| 16 | 0.0 | 0 | 0 | -48.1 | 734 | 27893 | -42.8 | 752 | 28148 | -49.1 | 731 | 27899 | -48.2 | 734 | 28034 | -47.9 | 735 | 27821 | 16 |
| 18 | 0.0 | 0 | 0 | -49.7 | 705 | 27120 | -45.2 | 719 | 27357 | -49.8 | 705 | 27128 | -49.7 | 705 | 27261 | -49.0 | 707 | 27047 | 18 |
| 20 | 0.0 | 0 | 0 | -50.7 | 681 | 26432 | -47.4 | 691 | 26657 | -50.4 | 682 | 26440 | -48.3 | 688 | 26569 | -50.9 | 680 | 26357 | 20 |
| 25 | 0.0 | 0 | 0 | -53.0 | 632 | 24986 | -49.7 | 642 | 25188 | -51.1 | 638 | 24986 | -53.4 | 631 | 25115 | -53.1 | 632 | 24917 | 25 |
| 30 | 0.0 | 0 | 0 | -54.8 | 595 | 23816 | -51.2 | 605 | 23999 | -51.7 | 604 | 23802 | -52.0 | 603 | 23938 | -55.7 | 593 | 23751 | 30 |
| 35 | -57.6 | 562 | 22989 | -56.4 | 566 | 22833 | -54.8 | 570 | 23002 | -55.7 | 567 | 22812 | -55.9 | 567 | 22948 | -54.6 | 570 | 22767 | 35 |
| 40 | -58.9 | 538 | 22148 | -57.7 | 541 | 21988 | -55.5 | 547 | 22152 | -59.2 | 537 | 21968 | -59.4 | 537 | 22106 | -58.7 | 538 | 21921 | 40 |
| 45 | -57.8 | 523 | 21408 | -62.6 | 511 | 21251 | -58.9 | 520 | 21405 | -62.2 | 512 | 21235 | -63.2 | 510 | 21375 | -62.4 | 512 | 21187 | 45 |
| 50 | -59.6 | 503 | 20748 | -62.4 | 496 | 20603 | -61.3 | 499 | 20749 | -64.1 | 493 | 20588 | -62.4 | 496 | 20727 | -65.7 | 489 | 20542 | 50 |
| 55 | -59.2 | 490 | 20152 | -61.5 | 485 | 20013 | -62.3 | 483 | 20159 | -64.4 | 478 | 20005 | -60.6 | 487 | 20136 | -65.6 | 476 | 19964 | 55 |
| 60 | -58.9 | 479 | 19606 | -61.9 | 472 | 19474 | -63.2 | 469 | 19623 | -64.8 | 466 | 19474 | -63.4 | 469 | 19596 | -64.9 | 466 | 19434 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. CHRISTMAS ISLAND

| P | 4/17 2236 GMT T | EPT | H | 4/18 12 7 GMT T | EPT | H | 4/18 2340 GMT T | EPT | H | 4/19 1149 GMT T | EPT | H | 4/19 2246 GMT T | EPT | H | 4/20 1215 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | -38.8 | 1386 | 42098 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | -37.7 | 1240 | 39309 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | -37.0 | 1146 | 37322 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -28.6 | 1113 | 36157 | -36.4 | 1078 | 35776 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -29.8 | 1051 | 34855 | -35.9 | 1025 | 34511 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -29.0 | 1009 | 33755 | -35.5 | 982 | 33439 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -28.4 | 974 | 32799 | -36.1 | 943 | 32509 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -29.4 | 937 | 31955 | -40.3 | 896 | 31699 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.8 | 905 | 31788 | 9 |
| 10 | -32.8 | 897 | 31208 | -41.5 | 865 | 30982 | -34.9 | 889 | 31180 | -41.5 | 865 | 31042 | -40.2 | 870 | 31118 | -39.2 | 873 | 31064 | 10 |
| 12 | -40.6 | 824 | 29946 | -43.5 | 814 | 29750 | -46.0 | 805 | 29938 | -42.5 | 817 | 29808 | -41.9 | 819 | 29881 | -42.2 | 818 | 29823 | 12 |
| 14 | -41.7 | 785 | 28898 | -45.2 | 773 | 28718 | -48.1 | 763 | 28922 | -49.2 | 759 | 28775 | -41.6 | 785 | 28836 | -44.8 | 774 | 28786 | 14 |
| 16 | -48.1 | 734 | 28003 | -48.9 | 732 | 27832 | -47.6 | 736 | 28041 | -47.1 | 738 | 27895 | -47.0 | 738 | 27941 | -47.0 | 738 | 27898 | 16 |
| 18 | -50.0 | 704 | 27230 | -52.8 | 695 | 27065 | -48.5 | 709 | 27264 | -48.5 | 709 | 27116 | -47.3 | 713 | 27164 | -49.4 | 706 | 27122 | 18 |
| 20 | -49.4 | 685 | 26541 | -55.8 | 666 | 26393 | -49.2 | 685 | 26572 | -50.7 | 681 | 26426 | -49.8 | 684 | 26469 | -52.5 | 676 | 26435 | 20 |
| 25 | -53.2 | 632 | 25082 | -52.7 | 633 | 24958 | -53.0 | 632 | 25120 | -52.6 | 633 | 24975 | -53.7 | 630 | 25032 | -52.5 | 634 | 24986 | 25 |
| 30 | -56.9 | 590 | 23923 | -53.4 | 599 | 23783 | -56.5 | 591 | 23949 | -58.6 | 585 | 23820 | -54.0 | 597 | 23858 | -55.1 | 594 | 23815 | 30 |
| 35 | -55.1 | 569 | 22943 | -54.0 | 572 | 22792 | -53.7 | 572 | 22964 | -57.7 | 562 | 22851 | -58.6 | 560 | 22881 | -56.2 | 566 | 22833 | 35 |
| 40 | -56.0 | 545 | 22095 | -59.9 | 536 | 21947 | -54.3 | 550 | 22107 | -56.2 | 545 | 22005 | -59.0 | 538 | 22043 | -61.7 | 531 | 21994 | 40 |
| 45 | -59.7 | 518 | 21354 | -63.3 | 510 | 21218 | -60.6 | 516 | 21362 | -58.6 | 521 | 21261 | -60.6 | 516 | 21306 | -60.8 | 516 | 21263 | 45 |
| 50 | -61.9 | 498 | 20698 | -65.2 | 490 | 20573 | -66.1 | 488 | 20715 | -64.6 | 491 | 20607 | -63.8 | 493 | 20655 | -61.2 | 499 | 20608 | 50 |
| 55 | -64.8 | 477 | 20113 | -65.5 | 476 | 19995 | -67.4 | 472 | 20140 | -65.3 | 477 | 20026 | -66.7 | 473 | 20074 | -61.5 | 485 | 20017 | 55 |
| 60 | -67.5 | 460 | 19585 | -63.7 | 468 | 19463 | -65.2 | 465 | 19614 | -67.2 | 461 | 19498 | -69.3 | 456 | 19552 | -65.8 | 464 | 19482 | 60 |

| P | 4/20 2340 GMT T | EPT | H | 4/21 1210 GMT T | EPT | H | 4/21 2237 GMT T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -27.3 | 1062 | 34836 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -29.7 | 1006 | 33731 | -34.9 | 985 | 33420 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -32.3 | 958 | 32784 | -37.3 | 939 | 32493 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -35.2 | 915 | 31958 | -39.3 | 899 | 31683 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -37.8 | 878 | 31228 | -41.2 | 866 | 30964 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -42.3 | 818 | 29988 | -44.6 | 810 | 29735 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -42.7 | 781 | 28947 | -45.1 | 773 | 28704 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | -43.0 | 751 | 28047 | -49.0 | 731 | 27820 | -45.6 | 742 | 28040 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | -46.2 | 716 | 27256 | -50.3 | 703 | 27049 | -48.1 | 710 | 27261 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | -49.8 | 684 | 26563 | -51.5 | 678 | 26363 | -49.2 | 686 | 26567 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | -52.9 | 633 | 25107 | -52.3 | 634 | 24920 | -55.2 | 626 | 25117 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | -52.6 | 601 | 23930 | -53.3 | 599 | 23741 | -53.0 | 600 | 23947 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | -56.1 | 566 | 22946 | -56.2 | 566 | 22755 | -55.1 | 569 | 22956 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 35 |
| 40 | -61.2 | 532 | 22104 | -59.7 | 536 | 21912 | -56.1 | 545 | 22105 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 40 |
| 45 | -61.2 | 515 | 21373 | -65.5 | 504 | 21187 | -59.0 | 520 | 21359 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 45 |
| 50 | -61.2 | 499 | 20719 | -66.0 | 488 | 20547 | -61.7 | 498 | 20704 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 50 |
| 55 | -61.2 | 486 | 20128 | -66.5 | 474 | 19970 | -63.4 | 481 | 20116 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 55 |
| 60 | -64.9 | 466 | 19592 | -66.9 | 461 | 19444 | -64.8 | 466 | 19583 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

# APPENDIX D: THERMODYNAMIC DATA ABOVE 60 mb (*USC&GSS SURVEYOR*)

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

| P | 2/17 2310 GMT | | | 2/18 11 9 GMT | | | 2/18 23 4 GMT | | | 2/19 11 6 GMT | | | 2/19 2310 GMT | | | 2/20 11 3 GMT | | | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | |
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -36.7 | 1076 | 35750 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -39.3 | 1010 | 34495 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -33.7 | 1034 | 34673 | 0.0 | 0 | 0 | 6 |
| 7 | -41.5 | 958 | 33444 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.5 | 982 | 33596 | 0.0 | 0 | 0 | 7 |
| 8 | -43.3 | 914 | 32541 | 0.0 | 0 | 0 | -38.8 | 932 | 32610 | 0.0 | 0 | 0 | -37.1 | 939 | 32670 | 0.0 | 0 | 0 | 8 |
| 9 | -45.0 | 878 | 31752 | 0.0 | 0 | 0 | -39.7 | 898 | 31803 | 0.0 | 0 | 0 | -38.5 | 903 | 31859 | 0.0 | 0 | 0 | 9 |
| 10 | -46.5 | 846 | 31050 | 0.0 | 0 | 0 | -40.5 | 868 | 31084 | -45.0 | 852 | 30961 | -39.8 | 871 | 31137 | 0.0 | 0 | 0 | 10 |
| 12 | -46.0 | 805 | 29835 | -47.4 | 800 | 29706 | -43.9 | 812 | 29851 | -45.4 | 807 | 29739 | -43.5 | 814 | 29901 | 0.0 | 0 | 0 | 12 |
| 14 | -47.9 | 764 | 28814 | -50.7 | 754 | 28701 | -46.7 | 768 | 28822 | -48.6 | 761 | 28718 | -46.7 | 768 | 28871 | 0.0 | 0 | 0 | 14 |
| 16 | -49.5 | 730 | 27936 | -51.0 | 725 | 27829 | -49.2 | 731 | 27942 | -48.5 | 733 | 27843 | -45.3 | 743 | 27983 | 0.0 | 0 | 0 | 16 |
| 18 | -50.9 | 701 | 27167 | -54.0 | 691 | 27068 | -51.4 | 700 | 27173 | -51.1 | 700 | 27072 | -46.4 | 715 | 27197 | 0.0 | 0 | 0 | 18 |
| 20 | -50.0 | 683 | 26481 | -53.8 | 672 | 26387 | -53.3 | 673 | 26492 | -53.5 | 672 | 26391 | -45.7 | 696 | 26499 | 0.0 | 0 | 0 | 20 |
| 25 | -53.2 | 632 | 25026 | -53.4 | 631 | 24958 | -53.5 | 631 | 25061 | -55.1 | 626 | 24968 | -56.5 | 622 | 25055 | 0.0 | 0 | 0 | 25 |
| 30 | -57.0 | 589 | 23864 | -55.9 | 592 | 23791 | -55.6 | 593 | 23887 | -56.3 | 591 | 23803 | -55.4 | 594 | 23896 | -55.0 | 595 | 23697 | 30 |
| 35 | -55.9 | 567 | 22886 | -58.0 | 561 | 22815 | -53.0 | 574 | 22899 | -57.5 | 562 | 22829 | -58.2 | 561 | 22919 | -59.6 | 557 | 22723 | 35 |
| 40 | -59.5 | 536 | 22038 | -59.8 | 536 | 21977 | -57.1 | 542 | 22041 | -57.6 | 541 | 21986 | -59.2 | 537 | 22082 | -61.4 | 532 | 21891 | 40 |
| 45 | -60.4 | 517 | 21303 | -58.6 | 521 | 21239 | -58.9 | 520 | 21299 | -59.1 | 520 | 21243 | -58.0 | 522 | 21342 | -62.9 | 510 | 21163 | 45 |
| 50 | -62.0 | 497 | 20648 | -57.6 | 508 | 20576 | -60.6 | 501 | 20641 | -62.7 | 496 | 20588 | -56.9 | 509 | 20676 | -64.3 | 492 | 20517 | 50 |
| 55 | -65.0 | 477 | 20064 | -62.1 | 484 | 19979 | -62.1 | 484 | 20049 | -65.9 | 475 | 20005 | -61.1 | 486 | 20078 | -64.7 | 478 | 19935 | 55 |
| 60 | -65.5 | 464 | 19534 | -68.3 | 458 | 19450 | -64.8 | 466 | 19515 | -68.9 | 457 | 19481 | -64.9 | 466 | 19543 | -66.1 | 463 | 19404 | 60 |

| | 2/20 2312 GMT | | | 2/21 2313 GMT | | | 2/22 1217 GMT | | | 2/22 2354 GMT | | | 2/23 1118 GMT | | | 2/24 1125 GMT | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | -39.0 | 1136 | 37355 | 0.0 | 0 | 0 | -44.3 | 1110 | 36778 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -38.2 | 1069 | 35822 | 0.0 | 0 | 0 | -45.3 | 1037 | 35285 | 0.0 | 0 | 0 | -38.4 | 1068 | 35469 | -38.8 | 1067 | 35627 | 5 |
| 6 | -37.4 | 1018 | 34566 | 0.0 | 0 | 0 | -43.8 | 991 | 34065 | 0.0 | 0 | 0 | -41.6 | 1000 | 34225 | -41.0 | 1003 | 34381 | 6 |
| 7 | -36.7 | 977 | 33500 | -35.1 | 984 | 33565 | -49.3 | 925 | 33042 | 0.0 | 0 | 0 | -44.3 | 946 | 33185 | -42.9 | 952 | 33337 | 7 |
| 8 | -38.8 | 932 | 32579 | -37.4 | 938 | 32639 | -47.4 | 898 | 32163 | 0.0 | 0 | 0 | -41.8 | 920 | 32285 | -44.5 | 910 | 32440 | 8 |
| 9 | -40.7 | 894 | 31774 | -39.5 | 899 | 31829 | -49.0 | 862 | 31387 | -36.2 | 912 | 31991 | -44.5 | 879 | 31492 | -43.8 | 882 | 31650 | 9 |
| 10 | -42.4 | 861 | 31060 | -41.3 | 865 | 31111 | -50.3 | 832 | 30697 | -36.1 | 885 | 31259 | -47.0 | 844 | 30791 | -43.1 | 859 | 30941 | 10 |
| 12 | -44.1 | 812 | 29832 | -42.8 | 816 | 29877 | -50.5 | 789 | 29511 | -39.9 | 826 | 30004 | -54.8 | 774 | 29604 | -46.2 | 804 | 29721 | 12 |
| 14 | -47.9 | 764 | 28804 | -44.1 | 777 | 28840 | -48.6 | 761 | 28502 | -43.1 | 780 | 28958 | -51.4 | 752 | 28611 | -46.3 | 769 | 28697 | 14 |
| 16 | -50.8 | 726 | 27931 | -45.2 | 744 | 27946 | -51.0 | 725 | 27625 | -45.9 | 742 | 28064 | -48.5 | 733 | 27738 | -46.4 | 740 | 27810 | 16 |
| 18 | -50.9 | 701 | 27164 | -51.9 | 698 | 27177 | -53.9 | 692 | 26866 | -48.3 | 709 | 27284 | -48.5 | 709 | 26963 | -51.2 | 700 | 27041 | 18 |
| 20 | -50.9 | 680 | 26479 | -51.6 | 678 | 26494 | -53.6 | 672 | 26189 | -50.5 | 682 | 26593 | -52.3 | 676 | 26276 | -51.9 | 677 | 26356 | 20 |
| 25 | -53.3 | 631 | 25032 | -51.8 | 636 | 25045 | -57.9 | 618 | 24765 | -48.6 | 645 | 25137 | -55.5 | 625 | 24846 | -55.6 | 625 | 24922 | 25 |
| 30 | -55.9 | 592 | 23866 | -54.3 | 597 | 23870 | -57.6 | 588 | 23614 | -53.3 | 599 | 23950 | -57.6 | 588 | 23688 | -57.5 | 588 | 23768 | 30 |
| 35 | -56.4 | 566 | 22886 | -56.4 | 565 | 22886 | -59.2 | 558 | 22642 | -55.3 | 568 | 22964 | -60.3 | 555 | 22721 | -54.6 | 570 | 22788 | 35 |
| 40 | -57.6 | 541 | 22039 | -62.8 | 528 | 22046 | -62.5 | 529 | 21813 | -55.9 | 546 | 22113 | -62.6 | 529 | 21893 | -60.5 | 534 | 21947 | 40 |
| 45 | -59.7 | 518 | 21300 | -62.7 | 511 | 21320 | -62.8 | 511 | 21087 | -56.4 | 526 | 21365 | -64.6 | 506 | 21170 | -63.1 | 510 | 21218 | 45 |
| 50 | -61.7 | 498 | 20644 | -62.6 | 496 | 20671 | -64.4 | 492 | 20439 | -62.1 | 497 | 20705 | -66.0 | 488 | 20530 | -65.4 | 489 | 20574 | 50 |
| 55 | -63.5 | 481 | 20056 | -62.6 | 483 | 20083 | -68.4 | 469 | 19864 | -63.9 | 480 | 20120 | -65.6 | 476 | 19951 | -67.5 | 471 | 19997 | 55 |
| 60 | -65.1 | 465 | 19524 | -62.5 | 471 | 19546 | -70.0 | 454 | 19344 | -65.3 | 465 | 19587 | -65.2 | 465 | 19421 | -69.4 | 456 | 19475 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

| P | 2/24 17 4 GMT T | EPT | H | 2/24 23 2 GMT T | EPT | H | 2/25 5 GMT T | EPT | H | 2/25 1143 GMT T | EPT | H | 2/25 17 7 GMT T | EPT | H | 2/25 23 3 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.4 | 1087 | 35741 | -30.8 | 1103 | 35916 | 5 |
| 6 | 0.0 | 0 | 0 | -35.2 | 1028 | 34646 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.4 | 1023 | 34471 | -33.6 | 1035 | 34629 | 6 |
| 7 | 0.0 | 0 | 0 | -34.0 | 989 | 33569 | 0.0 | 0 | 0 | -42.5 | 953 | 33255 | -38.0 | 972 | 33406 | -36.0 | 980 | 33554 | 7 |
| 8 | -40.9 | 924 | 32495 | -35.7 | 945 | 32637 | 0.0 | 0 | 0 | -43.6 | 913 | 32355 | -40.5 | 926 | 32491 | -38.1 | 935 | 32630 | 8 |
| 9 | -42.5 | 887 | 31697 | -37.2 | 908 | 31821 | 0.0 | 0 | 0 | -44.5 | 879 | 31565 | -42.7 | 887 | 31692 | -40.0 | 897 | 31823 | 9 |
| 10 | -44.0 | 855 | 30988 | -38.5 | 876 | 31095 | 0.0 | 0 | 0 | -45.4 | 850 | 30861 | -44.6 | 853 | 30984 | -41.6 | 864 | 31106 | 10 |
| 12 | -45.8 | 806 | 29769 | -41.6 | 820 | 29850 | 0.0 | 0 | 0 | -50.8 | 788 | 29659 | -46.2 | 804 | 29768 | -45.2 | 808 | 29879 | 12 |
| 14 | -47.2 | 766 | 28746 | -44.2 | 776 | 28810 | 0.0 | 0 | 0 | -52.9 | 747 | 28663 | -47.5 | 765 | 28746 | -43.2 | 780 | 28846 | 14 |
| 16 | -48.1 | 734 | 27864 | -51.5 | 723 | 27929 | 0.0 | 0 | 0 | -52.4 | 720 | 27801 | -51.7 | 723 | 27872 | -47.8 | 735 | 27955 | 16 |
| 18 | -48.6 | 708 | 27089 | -51.1 | 701 | 27164 | 0.0 | 0 | 0 | -51.9 | 698 | 27039 | -52.4 | 697 | 27109 | -51.9 | 698 | 27185 | 18 |
| 20 | -49.0 | 686 | 26397 | -50.8 | 681 | 26479 | 0.0 | 0 | 0 | -51.5 | 679 | 26355 | -53.0 | 674 | 26429 | -50.5 | 682 | 26499 | 20 |
| 25 | -54.9 | 627 | 24956 | -50.0 | 641 | 25023 | 0.0 | 0 | 0 | -52.6 | 633 | 24910 | -50.5 | 639 | 24979 | -52.3 | 634 | 25050 | 25 |
| 30 | -55.7 | 593 | 23796 | -58.4 | 585 | 23854 | 0.0 | 0 | 0 | -56.2 | 591 | 23738 | -52.3 | 602 | 23796 | -53.7 | 598 | 23874 | 30 |
| 35 | -52.5 | 576 | 22807 | -57.8 | 562 | 22883 | -63.6 | 547 | 22682 | -61.6 | 552 | 22773 | -59.3 | 558 | 22809 | -55.8 | 567 | 22887 | 35 |
| 40 | -58.2 | 540 | 21956 | -57.3 | 542 | 22040 | -61.7 | 531 | 21859 | -61.9 | 531 | 21947 | -59.9 | 535 | 21974 | -58.6 | 539 | 22043 | 40 |
| 45 | -62.0 | 513 | 21221 | -57.9 | 523 | 21295 | -61.0 | 515 | 21127 | -62.4 | 512 | 21218 | -60.4 | 516 | 21240 | -61.1 | 515 | 21307 | 45 |
| 50 | -62.5 | 496 | 20572 | -62.3 | 497 | 20637 | -64.0 | 493 | 20476 | -64.0 | 493 | 20570 | -62.8 | 496 | 20586 | -63.4 | 494 | 20656 | 50 |
| 55 | -66.5 | 474 | 19990 | -66.4 | 474 | 20054 | -64.6 | 478 | 19891 | -65.6 | 476 | 19989 | -64.0 | 479 | 20001 | -65.4 | 476 | 20074 | 55 |
| 60 | -67.4 | 460 | 19463 | -70.1 | 454 | 19532 | -69.1 | 456 | 19366 | -67.0 | 461 | 19462 | -66.4 | 462 | 19471 | -66.0 | 463 | 19546 | 60 |

| P | 2/26 1156 GMT T | EPT | H | 2/26 1648 GMT T | EPT | H | 2/27 0 4 GMT T | EPT | H | 2/27 533 GMT T | EPT | H | 2/27 1229 GMT T | EPT | H | 2/27 1855 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -39.6 | 965 | 33253 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.6 | 982 | 33310 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -43.0 | 916 | 32346 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.3 | 930 | 32388 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -43.0 | 885 | 31552 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.6 | 887 | 31587 | -42.0 | 889 | 31617 | 0.0 | 0 | 0 | 9 |
| 10 | -43.0 | 859 | 30842 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.5 | 850 | 30881 | -42.9 | 859 | 30905 | 0.0 | 0 | 0 | 10 |
| 12 | -46.5 | 803 | 29622 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.4 | 796 | 29677 | -46.0 | 805 | 29684 | 0.0 | 0 | 0 | 12 |
| 14 | -47.7 | 764 | 28604 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.1 | 763 | 28661 | -48.5 | 761 | 28664 | 0.0 | 0 | 0 | 14 |
| 16 | -50.0 | 728 | 27724 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -52.9 | 719 | 27791 | -49.3 | 730 | 27788 | 0.0 | 0 | 0 | 16 |
| 18 | -55.0 | 688 | 26963 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -53.5 | 693 | 27035 | -48.6 | 708 | 27015 | 0.0 | 0 | 0 | 18 |
| 20 | -55.1 | 667 | 26290 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -52.0 | 677 | 26354 | -55.0 | 668 | 26339 | 0.0 | 0 | 0 | 20 |
| 25 | -55.4 | 625 | 24866 | -53.4 | 631 | 24974 | 0.0 | 0 | 0 | -51.8 | 636 | 24908 | -55.8 | 624 | 24914 | -51.0 | 638 | 25120 | 25 |
| 30 | -57.3 | 589 | 23707 | -57.5 | 588 | 23816 | 0.0 | 0 | 0 | -54.8 | 595 | 23743 | -56.1 | 592 | 23754 | -51.5 | 604 | 23936 | 30 |
| 35 | -59.8 | 556 | 22738 | -58.6 | 560 | 22845 | -58.7 | 559 | 22885 | -58.2 | 561 | 22764 | -55.0 | 569 | 22769 | -53.0 | 574 | 22939 | 35 |
| 40 | -62.1 | 530 | 21908 | -59.5 | 536 | 22007 | -59.0 | 538 | 22047 | -61.1 | 532 | 21930 | -57.5 | 541 | 21919 | -57.0 | 543 | 22086 | 40 |
| 45 | -61.5 | 514 | 21180 | -60.4 | 517 | 21272 | -59.3 | 519 | 21309 | -62.5 | 511 | 21202 | -64.6 | 506 | 21188 | -59.2 | 519 | 21344 | 45 |
| 50 | -60.3 | 501 | 20525 | -60.2 | 502 | 20616 | -59.6 | 503 | 20649 | -62.8 | 496 | 20551 | -63.2 | 495 | 20542 | -60.0 | 502 | 20686 | 50 |
| 55 | -61.7 | 485 | 19930 | -59.4 | 490 | 20020 | -64.6 | 478 | 20060 | -65.4 | 476 | 19968 | -65.4 | 476 | 19958 | -60.1 | 488 | 20091 | 55 |
| 60 | -70.8 | 453 | 19404 | -66.3 | 463 | 19486 | -66.3 | 463 | 19532 | -67.9 | 459 | 19442 | -68.3 | 458 | 19432 | -64.6 | 466 | 19552 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

| P | 2/28 1118 GMT | | | 3/ 1 1 6 GMT | | | 3/ 1 348 GMT | | | 3/ 1 648 GMT | | | 3/ 1 935 GMT | | | 3/ 1 17 0 GMT | | | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | |
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -33.2 | 1164 | 37367 | 4 |
| 5 | -37.5 | 1072 | 35725 | -30.9 | 1102 | 35985 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.4 | 1077 | 35809 | 5 |
| 6 | -37.6 | 1018 | 34467 | -33.3 | 1036 | 34698 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.8 | 1021 | 34546 | 6 |
| 7 | -37.7 | 973 | 33404 | -35.3 | 983 | 33619 | -37.4 | 974 | 33468 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.1 | 976 | 33480 | 7 |
| 8 | -40.7 | 925 | 32489 | -37.0 | 940 | 32692 | -38.7 | 933 | 32549 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.4 | 938 | 32557 | 8 |
| 9 | -43.3 | 884 | 31692 | -36.6 | 910 | 31877 | -39.8 | 898 | 31742 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.3 | 888 | 31753 | 9 |
| 10 | -45.6 | 849 | 30786 | -36.3 | 884 | 31147 | -40.8 | 867 | 31023 | -44.3 | 854 | 30936 | 0.0 | 0 | 0 | -42.3 | 862 | 31040 | 10 |
| 12 | -48.2 | 797 | 29778 | -43.7 | 813 | 29902 | -46.5 | 803 | 29798 | -47.0 | 801 | 29721 | 0.0 | 0 | 0 | -45.3 | 807 | 29811 | 12 |
| 14 | -50.3 | 755 | 28767 | -46.9 | 767 | 28877 | -50.0 | 756 | 28784 | -49.3 | 759 | 28705 | 0.0 | 0 | 0 | -47.8 | 764 | 28792 | 14 |
| 16 | -49.7 | 729 | 27897 | -50.1 | 728 | 27995 | -50.6 | 726 | 27914 | -51.3 | 724 | 27834 | 0.0 | 0 | 0 | -51.0 | 725 | 27919 | 16 |
| 18 | -48.6 | 709 | 27123 | -52.1 | 698 | 27233 | -52.6 | 696 | 27147 | -53.1 | 694 | 27072 | 0.0 | 0 | 0 | -51.6 | 699 | 27154 | 18 |
| 20 | -49.2 | 686 | 26431 | -50.0 | 683 | 26548 | -53.5 | 673 | 26471 | -53.3 | 673 | 26393 | 0.0 | 0 | 0 | -52.1 | 677 | 26471 | 20 |
| 25 | -57.6 | 619 | 24990 | -49.7 | 642 | 25078 | -52.1 | 635 | 25021 | -56.2 | 623 | 24963 | 0.0 | 0 | 0 | -51.1 | 638 | 25018 | 25 |
| 30 | -56.6 | 590 | 23838 | -56.4 | 591 | 23909 | -55.6 | 593 | 23853 | -58.0 | 587 | 23811 | 0.0 | 0 | 0 | -54.6 | 596 | 23839 | 30 |
| 35 | -55.5 | 568 | 22855 | -56.3 | 566 | 22930 | -56.6 | 565 | 22873 | -58.2 | 561 | 22840 | 0.0 | 0 | 0 | -58.1 | 561 | 22862 | 35 |
| 40 | -59.7 | 536 | 22014 | -58.8 | 538 | 22084 | -57.4 | 542 | 22028 | -60.3 | 534 | 22001 | 0.0 | 0 | 0 | -56.5 | 544 | 22020 | 40 |
| 45 | -61.3 | 514 | 21280 | -61.2 | 515 | 21351 | -62.3 | 512 | 21294 | -64.9 | 505 | 21275 | -56.5 | 526 | 21300 | -60.6 | 516 | 21280 | 45 |
| 50 | -62.7 | 496 | 20629 | -61.2 | 499 | 20697 | -63.7 | 493 | 20647 | -65.0 | 490 | 20634 | -59.3 | 504 | 20636 | -62.8 | 496 | 20628 | 50 |
| 55 | -65.0 | 477 | 20044 | -61.2 | 486 | 20105 | -62.7 | 482 | 20061 | -64.0 | 480 | 20052 | -62.3 | 483 | 20042 | -62.8 | 482 | 20041 | 55 |
| 60 | -68.5 | 458 | 19518 | -65.2 | 465 | 19569 | -66.3 | 463 | 19527 | -67.1 | 461 | 19523 | -65.7 | 464 | 19509 | -65.3 | 465 | 19506 | 60 |

| | 3/ 1 2337 GMT | | | 3/ 2 145 GMT | | | 3/ 2 411 GMT | | | 3/ 3 0 6 GMT | | | 3/ 3 613 GMT | | | 3/ 3 1833 GMT | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.0 | 908 | 31762 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.5 | 861 | 31042 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -46.7 | 802 | 29821 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.8 | 781 | 28852 | -48.7 | 761 | 28805 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.1 | 738 | 27960 | -49.2 | 731 | 27928 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.4 | 709 | 27185 | -49.5 | 706 | 27156 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | -51.2 | 679 | 26445 | -47.2 | 692 | 26489 | -49.9 | 684 | 26467 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | 0.0 | 0 | 0 | -53.0 | 632 | 25003 | -50.9 | 638 | 25023 | -50.6 | 639 | 25010 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | 0.0 | 0 | 0 | -51.5 | 604 | 23823 | -52.0 | 603 | 23839 | -55.5 | 593 | 23837 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 30 |
| 35 | -57.7 | 562 | 22820 | -57.0 | 564 | 22832 | -55.7 | 567 | 22846 | -58.8 | 559 | 22855 | 0.0 | 0 | 0 | -55.3 | 568 | 22874 | 35 |
| 40 | -58.7 | 538 | 21979 | -60.1 | 535 | 21994 | -58.3 | 539 | 22003 | -59.9 | 535 | 22019 | -60.2 | 535 | 22001 | -56.0 | 545 | 22024 | 40 |
| 45 | -61.3 | 514 | 21242 | -62.0 | 513 | 21262 | -61.2 | 515 | 21268 | -60.9 | 515 | 21286 | -63.9 | 508 | 21272 | -59.0 | 520 | 21277 | 45 |
| 50 | -64.0 | 493 | 20595 | -63.8 | 493 | 20613 | -64.8 | 491 | 20621 | -61.8 | 498 | 20632 | -64.7 | 491 | 20629 | -61.8 | 498 | 20623 | 50 |
| 55 | -63.5 | 481 | 20010 | -61.9 | 484 | 20026 | -64.6 | 478 | 20039 | -62.6 | 483 | 20043 | -64.9 | 477 | 20047 | -63.2 | 481 | 20034 | 55 |
| 60 | -60.5 | 475 | 19473 | -60.2 | 476 | 19486 | -62.8 | 470 | 19506 | -62.7 | 471 | 19505 | -65.2 | 465 | 19517 | -65.6 | 464 | 19504 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

| P | 3/ 3 2048 GMT | | | 3/ 3 2337 GMT | | | 3/ 4 240 GMT | | | 3/ 4 1117 GMT | | | 3/ 4 23 4 GMT | | | 3/11 23 7 GMT | | | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | |
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -31.7 | 998 | 33532 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | -33.3 | 954 | 32708 | -34.6 | 949 | 32593 | 0.0 | 0 | 0 | -39.0 | 932 | 32708 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | -35.9 | 913 | 31885 | -37.2 | 908 | 31775 | 0.0 | 0 | 0 | -38.6 | 902 | 31900 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | -38.3 | 877 | 31157 | -39.5 | 872 | 31051 | 0.0 | 0 | 0 | -38.2 | 877 | 31175 | -34.3 | 892 | 31153 | 10 |
| 12 | 0.0 | 0 | 0 | -42.7 | 817 | 29920 | -41.9 | 819 | 29809 | 0.0 | 0 | 0 | -39.7 | 827 | 29925 | -38.6 | 831 | 29889 | 12 |
| 14 | -43.8 | 777 | 28874 | -42.6 | 782 | 28879 | -43.9 | 777 | 28770 | 0.0 | 0 | 0 | -42.4 | 782 | 28875 | -42.2 | 783 | 28839 | 14 |
| 16 | -45.8 | 742 | 27979 | -45.6 | 742 | 27984 | -45.7 | 742 | 27877 | 0.0 | 0 | 0 | -46.2 | 741 | 27980 | -45.3 | 744 | 27941 | 16 |
| 18 | -49.6 | 705 | 27201 | -48.3 | 709 | 27204 | -49.7 | 705 | 27099 | -46.8 | 714 | 27047 | -47.0 | 713 | 27201 | -44.8 | 721 | 27152 | 18 |
| 20 | -49.7 | 684 | 26512 | -49.6 | 684 | 26513 | -51.6 | 678 | 26414 | -48.3 | 688 | 26351 | -45.4 | 697 | 26500 | -46.8 | 693 | 26451 | 20 |
| 25 | -52.1 | 635 | 25061 | -50.3 | 640 | 25054 | -51.9 | 635 | 24967 | -51.7 | 636 | 24893 | -52.5 | 634 | 25035 | -51.0 | 638 | 24985 | 25 |
| 30 | -50.4 | 607 | 23879 | -50.8 | 606 | 23866 | -52.2 | 602 | 23786 | -54.4 | 596 | 23717 | -54.1 | 597 | 23864 | -54.4 | 596 | 23808 | 30 |
| 35 | -55.4 | 568 | 22885 | -54.9 | 569 | 22869 | -55.9 | 567 | 22796 | -56.7 | 565 | 22735 | -55.8 | 567 | 22879 | -57.3 | 563 | 22827 | 35 |
| 40 | -55.5 | 546 | 22032 | -56.2 | 545 | 22020 | -57.5 | 541 | 21951 | -58.7 | 538 | 21893 | -57.5 | 542 | 22032 | -58.1 | 540 | 21987 | 40 |
| 45 | -59.5 | 519 | 21287 | -57.3 | 524 | 21272 | -57.4 | 524 | 21207 | -60.5 | 516 | 21156 | -59.0 | 520 | 21290 | -60.1 | 517 | 21247 | 45 |
| 50 | -61.0 | 500 | 20632 | -60.8 | 500 | 20612 | -62.3 | 497 | 20549 | -62.0 | 497 | 20502 | -60.3 | 501 | 20632 | -62.9 | 495 | 20594 | 50 |
| 55 | -63.3 | 481 | 20043 | -64.0 | 480 | 20023 | -65.6 | 476 | 19966 | -63.9 | 480 | 19915 | -62.8 | 482 | 20040 | -65.4 | 476 | 20011 | 55 |
| 60 | -65.3 | 465 | 19511 | -65.6 | 464 | 19493 | -64.6 | 466 | 19436 | -67.4 | 460 | 19386 | -65.8 | 464 | 19510 | -67.6 | 460 | 19484 | 60 |

| P | 3/12 23 0 GMT | | | 3/13 5 0 GMT | | | 3/13 1835 GMT | | | 3/13 23 7 GMT | | | 3/14 1115 GMT | | | 3/14 1636 GMT | | | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | |
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -32.4 | 1096 | 35923 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.3 | 1032 | 34642 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.9 | 980 | 33568 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.3 | 938 | 32643 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.6 | 902 | 31832 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.7 | 871 | 31110 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.3 | 821 | 29867 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.2 | 773 | 28827 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -45.6 | 743 | 27941 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 16 |
| 18 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -49.8 | 705 | 27256 | -49.6 | 705 | 27163 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 18 |
| 20 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.9 | 687 | 26566 | -50.8 | 681 | 26477 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 20 |
| 25 | -48.1 | 646 | 25064 | 0.0 | 0 | 0 | -48.8 | 644 | 25095 | -53.0 | 632 | 25018 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 25 |
| 30 | -54.1 | 597 | 23875 | 0.0 | 0 | 0 | -54.4 | 596 | 23914 | -53.7 | 598 | 23844 | 0.0 | 0 | 0 | -55.2 | 594 | 23934 | 30 |
| 35 | -56.2 | 566 | 22894 | -52.9 | 575 | 22858 | -56.6 | 565 | 22932 | -58.6 | 560 | 22864 | 0.0 | 0 | 0 | -55.5 | 568 | 22951 | 35 |
| 40 | -57.4 | 542 | 22046 | -57.9 | 541 | 22006 | -57.9 | 540 | 22088 | -59.7 | 536 | 22027 | 0.0 | 0 | 0 | -55.8 | 546 | 22101 | 40 |
| 45 | -60.0 | 517 | 21307 | -60.6 | 516 | 21269 | -59.1 | 520 | 21347 | -60.6 | 516 | 21293 | 0.0 | 0 | 0 | -58.3 | 522 | 21353 | 45 |
| 50 | -61.6 | 498 | 20652 | -62.6 | 496 | 20616 | -60.1 | 502 | 20688 | -61.4 | 499 | 20638 | -64.1 | 492 | 20611 | -63.6 | 494 | 20698 | 50 |
| 55 | -63.1 | 482 | 20064 | -63.5 | 480 | 20030 | -61.0 | 486 | 20095 | -62.6 | 483 | 20048 | -64.6 | 478 | 20028 | -63.9 | 480 | 20114 | 55 |
| 60 | -64.4 | 467 | 19530 | -64.2 | 467 | 19497 | -61.9 | 472 | 19556 | -64.1 | 467 | 19514 | -64.7 | 466 | 19497 | -64.1 | 467 | 19581 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

| P | 3/14 23 4 GMT T | EPT | H | 3/15 542 GMT T | EPT | H | 3/15 931 GMT T | EPT | H | 3/15 1150 GMT T | EPT | H | 3/15 1439 GMT T | EPT | H | 3/15 23 0 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -31.0 | 1175 | 37604 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -31.8 | 1098 | 36025 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -32.1 | 1041 | 34737 | 6 |
| 7 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -28.3 | 1012 | 33545 | -32.4 | 995 | 33649 | 7 |
| 8 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -32.6 | 957 | 32596 | -38.0 | 936 | 32719 | 8 |
| 9 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.4 | 911 | 31773 | -38.8 | 902 | 31909 | 9 |
| 10 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.8 | 871 | 31048 | -39.5 | 872 | 31187 | 10 |
| 12 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.6 | 820 | 29807 | -44.3 | 811 | 29952 | 12 |
| 14 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -47.0 | 767 | 28774 | -50.9 | 753 | 28931 | 14 |
| 16 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -51.7 | 723 | 27898 | -48.4 | 733 | 28057 | 16 |
| 18 | -47.4 | 712 | 27284 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -52.1 | 698 | 27139 | -51.3 | 700 | 27287 | 18 |
| 20 | -45.0 | 698 | 26583 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -48.9 | 687 | 26451 | -51.3 | 679 | 26602 | 20 |
| 25 | -51.2 | 637 | 25119 | 0.0 | 0 | 0 | -48.4 | 646 | 25031 | 0.0 | 0 | 0 | -52.0 | 635 | 24988 | -51.4 | 637 | 25153 | 25 |
| 30 | -52.9 | 601 | 23933 | -52.8 | 601 | 23797 | -49.9 | 609 | 23835 | 0.0 | 0 | 0 | -52.3 | 602 | 23814 | -52.9 | 601 | 23971 | 30 |
| 35 | -55.2 | 569 | 22945 | -58.4 | 560 | 22815 | -55.7 | 567 | 22845 | -59.7 | 557 | 22730 | -56.4 | 566 | 22824 | -56.0 | 567 | 22984 | 35 |
| 40 | -56.0 | 545 | 22095 | -62.9 | 528 | 21985 | -57.1 | 542 | 21996 | -61.5 | 531 | 21899 | -58.9 | 538 | 21984 | -58.6 | 539 | 22140 | 40 |
| 45 | -56.8 | 525 | 21347 | -65.2 | 505 | 21263 | -61.5 | 514 | 21259 | -63.1 | 510 | 21172 | -61.1 | 515 | 21246 | -61.0 | 515 | 21404 | 45 |
| 50 | -62.1 | 497 | 20686 | -64.1 | 492 | 20620 | -65.1 | 490 | 20612 | -64.5 | 491 | 20526 | -65.2 | 490 | 20598 | -63.1 | 495 | 20752 | 50 |
| 55 | -64.7 | 478 | 20102 | -66.0 | 475 | 20041 | -66.8 | 473 | 20033 | -65.8 | 475 | 19945 | -65.9 | 475 | 20020 | -65.0 | 477 | 20168 | 55 |
| 60 | -65.0 | 465 | 19572 | -66.2 | 463 | 19513 | -67.1 | 461 | 19509 | -67.0 | 461 | 19418 | -66.7 | 462 | 19493 | -66.7 | 462 | 19640 | 60 |

| P | 3/16 619 GMT T | EPT | H | 3/16 2325 GMT T | EPT | H | 3/17 3 9 GMT T | EPT | H | 3/17 645 GMT T | EPT | H | 3/17 9 2 GMT T | EPT | H | 3/17 1217 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -33.8 | 1161 | 37365 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -35.9 | 1080 | 35808 | 5 |
| 6 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -37.6 | 1017 | 34546 | 6 |
| 7 | -37.0 | 976 | 33574 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.6 | 957 | 33372 | 0.0 | 0 | 0 | -39.1 | 967 | 33486 | 7 |
| 8 | -38.2 | 935 | 32652 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.7 | 921 | 32466 | 0.0 | 0 | 0 | -40.4 | 926 | 32573 | 8 |
| 9 | -39.3 | 900 | 31844 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.8 | 890 | 31668 | 0.0 | 0 | 0 | -41.5 | 891 | 31772 | 9 |
| 10 | -40.2 | 870 | 31124 | 0.0 | 0 | 0 | -40.8 | 867 | 31064 | -43.6 | 857 | 30956 | 0.0 | 0 | 0 | -42.5 | 861 | 31059 | 10 |
| 12 | -42.1 | 819 | 29885 | 0.0 | 0 | 0 | -45.4 | 807 | 29835 | -48.0 | 798 | 29748 | 0.0 | 0 | 0 | -44.7 | 809 | 29827 | 12 |
| 14 | -40.9 | 787 | 28839 | 0.0 | 0 | 0 | -46.1 | 770 | 28809 | -47.6 | 765 | 28731 | 0.0 | 0 | 0 | -47.5 | 765 | 28806 | 14 |
| 16 | -43.6 | 749 | 27936 | 0.0 | 0 | 0 | -46.6 | 739 | 27922 | -52.0 | 722 | 27853 | -46.2 | 741 | 27949 | -48.3 | 734 | 27923 | 16 |
| 18 | -46.0 | 717 | 27149 | 0.0 | 0 | 0 | -51.1 | 701 | 27145 | -52.0 | 698 | 27090 | -49.8 | 705 | 27173 | -50.8 | 702 | 27152 | 18 |
| 20 | -51.6 | 678 | 26460 | 0.0 | 0 | 0 | -52.4 | 676 | 26462 | -52.9 | 674 | 26408 | -51.9 | 677 | 26488 | -53.0 | 674 | 26469 | 20 |
| 25 | -52.9 | 633 | 25016 | 0.0 | 0 | 0 | -55.2 | 626 | 25028 | -56.9 | 621 | 24982 | -53.9 | 630 | 25049 | -54.6 | 628 | 25038 | 25 |
| 30 | -54.0 | 598 | 23843 | -52.3 | 602 | 23974 | -57.4 | 588 | 23870 | -57.7 | 587 | 23832 | -55.5 | 593 | 23882 | -55.2 | 594 | 23873 | 30 |
| 35 | -57.6 | 562 | 22857 | -52.9 | 575 | 22979 | -56.2 | 566 | 22893 | -57.8 | 562 | 22858 | -57.9 | 561 | 22903 | -58.5 | 560 | 22892 | 35 |
| 40 | -57.7 | 541 | 22014 | -53.4 | 552 | 22118 | -58.2 | 540 | 22047 | -61.7 | 531 | 22024 | -60.1 | 535 | 22069 | -58.8 | 538 | 22056 | 40 |
| 45 | -59.2 | 520 | 21272 | -55.5 | 528 | 21361 | -57.8 | 523 | 21305 | -62.6 | 511 | 21293 | -59.4 | 519 | 21333 | -61.0 | 515 | 21318 | 45 |
| 50 | -62.3 | 497 | 20617 | -60.6 | 501 | 20701 | -59.9 | 502 | 20643 | -64.2 | 492 | 20648 | -61.0 | 500 | 20675 | -63.8 | 493 | 20669 | 50 |
| 55 | -65.2 | 477 | 20033 | -62.6 | 483 | 20109 | -62.4 | 483 | 20051 | -64.9 | 477 | 20065 | -63.8 | 480 | 20087 | -64.0 | 479 | 20085 | 55 |
| 60 | -67.8 | 459 | 19506 | -67.4 | 460 | 19578 | -64.8 | 466 | 19517 | -66.2 | 463 | 19536 | -64.4 | 467 | 19555 | -64.2 | 467 | 19553 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

| P | 3/17 18 6 GMT T | EPT | H | 3/18 1837 GMT T | EPT | H | 3/18 2129 GMT T | EPT | H | 3/19 029 GMT T | EPT | H | 3/19 345 GMT T | EPT | H | 3/19 1116 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -33.0 | 1420 | 41801 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -36.0 | 1249 | 38968 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -38.1 | 1140 | 36979 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -28.1 | 1115 | 36041 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -39.8 | 1062 | 35448 | 5 |
| 6 | 0.0 | 0 | 0 | -32.0 | 1042 | 34658 | -31.8 | 1043 | 34742 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -41.5 | 1001 | 34207 | 6 |
| 7 | 0.0 | 0 | 0 | -35.4 | 983 | 33577 | -34.9 | 985 | 33660 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -42.9 | 952 | 33164 | 7 |
| 8 | 0.0 | 0 | 0 | -35.7 | 945 | 32648 | -36.1 | 943 | 32730 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -44.2 | 911 | 32267 | 8 |
| 9 | 0.0 | 0 | 0 | -37.2 | 908 | 31830 | -37.2 | 908 | 31915 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -43.4 | 884 | 31476 | 9 |
| 10 | 0.0 | 0 | 0 | -39.7 | 871 | 31106 | -40.7 | 868 | 31192 | -43.0 | 859 | 31084 | 0.0 | 0 | 0 | -42.7 | 860 | 30766 | 10 |
| 12 | 0.0 | 0 | 0 | -45.4 | 807 | 29875 | -43.3 | 814 | 29962 | -45.0 | 808 | 29861 | 0.0 | 0 | 0 | -47.8 | 798 | 29549 | 12 |
| 14 | 0.0 | 0 | 0 | -47.7 | 764 | 28855 | -44.8 | 774 | 28925 | -46.5 | 768 | 28835 | 0.0 | 0 | 0 | -50.3 | 756 | 28539 | 14 |
| 16 | 0.0 | 0 | 0 | -47.4 | 737 | 27973 | -46.2 | 741 | 28037 | -47.6 | 736 | 27951 | 0.0 | 0 | 0 | -50.6 | 726 | 27669 | 16 |
| 18 | 0.0 | 0 | 0 | -50.0 | 704 | 27196 | -45.9 | 717 | 27253 | -48.6 | 708 | 27174 | 0.0 | 0 | 0 | -50.9 | 701 | 26901 | 18 |
| 20 | 0.0 | 0 | 0 | -49.9 | 684 | 26507 | -48.3 | 688 | 26556 | -49.5 | 685 | 26483 | 0.0 | 0 | 0 | -58.0 | 659 | 26221 | 20 |
| 25 | -53.1 | 632 | 25080 | -49.6 | 642 | 25047 | -53.1 | 632 | 25104 | -54.6 | 628 | 25034 | -53.2 | 632 | 24977 | -59.5 | 614 | 24820 | 25 |
| 30 | -53.7 | 598 | 23902 | -54.2 | 597 | 23867 | -52.0 | 603 | 23926 | -56.4 | 591 | 23863 | -55.4 | 594 | 23805 | -60.8 | 579 | 23682 | 30 |
| 35 | -56.4 | 565 | 22918 | -59.1 | 558 | 22895 | -56.5 | 565 | 22937 | -58.6 | 560 | 22892 | -59.6 | 557 | 22834 | -62.1 | 550 | 22727 | 35 |
| 40 | -58.7 | 538 | 22075 | -59.8 | 536 | 22059 | -60.0 | 535 | 22096 | -59.0 | 538 | 22054 | -57.7 | 541 | 21995 | -63.3 | 527 | 21904 | 40 |
| 45 | -58.9 | 520 | 21337 | -60.4 | 517 | 21324 | -59.4 | 519 | 21361 | -59.4 | 519 | 21316 | -62.3 | 512 | 21262 | -64.3 | 507 | 21182 | 45 |
| 50 | -59.4 | 503 | 20676 | -60.9 | 500 | 20668 | -60.3 | 501 | 20701 | -61.6 | 498 | 20660 | -62.3 | 497 | 20609 | -66.4 | 487 | 20540 | 50 |
| 55 | -62.0 | 484 | 20082 | -61.4 | 485 | 20077 | -62.2 | 484 | 20110 | -63.5 | 481 | 20072 | -64.5 | 478 | 20024 | -68.7 | 469 | 19966 | 55 |
| 60 | -65.7 | 464 | 19549 | -62.2 | 472 | 19538 | -62.5 | 471 | 19573 | -63.1 | 470 | 19538 | -66.6 | 462 | 19495 | -70.7 | 453 | 19448 | 60 |

| P | 3/19 1812 GMT T | EPT | H | 3/21 1132 GMT T | EPT | H | 3/21 2344 GMT T | EPT | H | 3/22 2323 GMT T | EPT | H | 3/24 2314 GMT T | EPT | H | 3/25 1131 GMT T | EPT | H | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | -22.5 | 1141 | 35866 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -32.2 | 1097 | 35959 | 0.0 | 0 | 0 | 5 |
| 6 | -27.7 | 1060 | 34541 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | -34.9 | 1029 | 34680 | 0.0 | 0 | 0 | 6 |
| 7 | -32.1 | 996 | 33443 | -38.7 | 969 | 33382 | -38.3 | 971 | 33412 | 0.0 | 0 | 0 | -37.1 | 976 | 33609 | -38.6 | 970 | 33278 | 7 |
| 8 | -35.7 | 945 | 32508 | -40.3 | 926 | 32469 | -39.3 | 931 | 32495 | -41.2 | 923 | 32529 | -39.0 | 931 | 32690 | -41.2 | 923 | 32365 | 8 |
| 9 | -38.9 | 901 | 31694 | -41.7 | 890 | 31668 | -40.1 | 896 | 31690 | -42.1 | 889 | 31731 | -40.8 | 894 | 31885 | -43.4 | 884 | 31569 | 9 |
| 10 | -40.2 | 870 | 30973 | -43.0 | 859 | 30956 | -40.9 | 867 | 30972 | -42.9 | 860 | 31019 | -42.3 | 862 | 31171 | -45.5 | 850 | 30863 | 10 |
| 12 | -43.1 | 815 | 29732 | -46.1 | 804 | 29735 | -42.2 | 818 | 29736 | -44.2 | 811 | 29793 | -41.7 | 820 | 29931 | -47.8 | 798 | 29656 | 12 |
| 14 | -46.2 | 769 | 28704 | -46.9 | 767 | 28714 | -48.1 | 763 | 28713 | -48.5 | 762 | 28775 | -44.6 | 775 | 28893 | -48.7 | 761 | 28640 | 14 |
| 16 | -50.0 | 728 | 27824 | -45.8 | 742 | 27827 | -48.1 | 734 | 27833 | -47.6 | 736 | 27894 | -47.1 | 738 | 28004 | -49.5 | 730 | 27764 | 16 |
| 18 | -53.3 | 694 | 27060 | -44.8 | 720 | 27042 | -48.2 | 710 | 27057 | -49.1 | 707 | 27122 | -49.3 | 706 | 27228 | -50.2 | 704 | 26994 | 18 |
| 20 | -51.5 | 678 | 26379 | -46.1 | 695 | 26337 | -48.2 | 689 | 26363 | -49.5 | 685 | 26429 | -49.6 | 684 | 26538 | -50.8 | 681 | 26307 | 20 |
| 25 | -47.8 | 647 | 24918 | -53.6 | 631 | 24878 | -55.3 | 626 | 24916 | -55.7 | 625 | 24981 | -50.3 | 640 | 25080 | -54.2 | 629 | 24860 | 25 |
| 30 | -59.6 | 582 | 23758 | -57.5 | 588 | 23719 | -54.0 | 597 | 23749 | -56.8 | 590 | 23823 | -57.9 | 587 | 23906 | -58.4 | 585 | 23705 | 30 |
| 35 | -59.8 | 557 | 22794 | -59.3 | 558 | 22750 | -57.8 | 562 | 22771 | -54.6 | 570 | 22843 | -57.2 | 563 | 22932 | -59.9 | 556 | 22739 | 35 |
| 40 | -57.5 | 542 | 21956 | -61.0 | 533 | 21917 | -56.9 | 543 | 21925 | -54.5 | 549 | 21986 | -58.7 | 539 | 22090 | -61.9 | 530 | 21908 | 40 |
| 45 | -63.1 | 510 | 21219 | -62.4 | 512 | 21187 | -60.8 | 516 | 21186 | -64.5 | 506 | 21249 | -59.9 | 518 | 21352 | -63.4 | 509 | 21185 | 45 |
| 50 | -63.8 | 493 | 20574 | -64.3 | 492 | 20539 | -64.2 | 492 | 20536 | -67.2 | 485 | 20612 | -61.1 | 500 | 20696 | -62.8 | 496 | 20536 | 50 |
| 55 | -62.8 | 482 | 19988 | -66.5 | 474 | 19959 | -67.3 | 472 | 19957 | -67.7 | 471 | 20038 | -62.1 | 484 | 20106 | -64.0 | 479 | 19950 | 55 |
| 60 | -66.5 | 462 | 19455 | -68.5 | 458 | 19435 | -67.3 | 460 | 19433 | -66.1 | 463 | 19512 | -63.0 | 470 | 19569 | -66.4 | 462 | 19420 | 60 |
| P | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | P |

LINE ISLANDS EXPERIMENT

THERMODYNAMIC DATA ABOVE 60 MB. SHIP SURVEYOR

| P | 3/25 2310 GMT | | | 3/26 2313 GMT | | | 3/27 11 4 GMT | | | 3/28 024 GMT | | | 3/28 1140 GMT | | | 3/29 2332 GMT | | | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | T | EPT | H | |
| 2 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 2 |
| 3 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 3 |
| 4 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 4 |
| 5 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 5 |
| 6 | -34.4 | 1031 | 34635 | 0.0 | 0 | 0 | -34.5 | 1031 | 34586 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 6 |
| 7 | -37.0 | 976 | 33563 | 0.0 | 0 | 0 | -37.4 | 974 | 33516 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 7 |
| 8 | -39.3 | 930 | 32644 | 0.0 | 0 | 0 | -38.2 | 935 | 32595 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 8 |
| 9 | -39.3 | 900 | 31837 | 0.0 | 0 | 0 | -39.0 | 901 | 31786 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 9 |
| 10 | -39.3 | 873 | 31116 | -32.2 | 899 | 31142 | -39.6 | 872 | 31065 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 10 |
| 12 | -42.8 | 816 | 29880 | -37.2 | 836 | 29869 | -43.4 | 814 | 29828 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 0 | 12 |
| 14 | -43.2 | 780 | 28841 | -41.4 | 786 | 28813 | -45.1 | 773 | 28796 | 0.0 | 0 | 0 | -46.0 | 770 | 28838 | 0.0 | 0 | 0 | 14 |
| 16 | -49.4 | 730 | 27960 | -46.5 | 740 | 27917 | -45.1 | 744 | 27905 | 0.0 | 0 | 0 | -47.6 | 736 | 27952 | 0.0 | 0 | 0 | 16 |
| 18 | -48.6 | 708 | 27187 | -45.6 | 718 | 27134 | -46.7 | 715 | 27119 | 0.0 | 0 | 0 | -48.9 | 707 | 27177 | -46.7 | 715 | 27170 | 18 |
| 20 | -50.2 | 683 | 26495 | -49.1 | 686 | 26434 | -49.6 | 684 | 26425 | 0.0 | 0 | 0 | -50.1 | 683 | 26487 | -48.1 | 689 | 26474 | 20 |
| 25 | -53.3 | 632 | 25055 | -55.4 | 625 | 24998 | -52.0 | 635 | 24977 | -52.0 | 635 | 25026 | -52.7 | 633 | 25038 | -49.2 | 643 | 25007 | 25 |
| 30 | -52.8 | 601 | 23880 | -58.0 | 587 | 23842 | -55.7 | 593 | 23803 | -56.0 | 592 | 23864 | -57.3 | 589 | 23878 | -51.3 | 605 | 23814 | 30 |
| 35 | -57.7 | 562 | 22893 | -55.6 | 568 | 22866 | -59.7 | 557 | 22831 | -55.2 | 569 | 22881 | -59.7 | 557 | 22905 | -56.9 | 564 | 22826 | 35 |
| 40 | -57.9 | 541 | 22051 | -56.6 | 544 | 22013 | -61.4 | 532 | 22002 | -56.8 | 543 | 22032 | -60.8 | 533 | 22074 | -59.2 | 537 | 21985 | 40 |
| 45 | -63.4 | 509 | 21318 | -59.1 | 520 | 21273 | -60.2 | 517 | 21269 | -62.8 | 511 | 21296 | -60.6 | 516 | 21341 | -61.2 | 515 | 21250 | 45 |
| 50 | -63.5 | 494 | 20671 | -58.9 | 505 | 20610 | -57.0 | 509 | 20609 | -63.4 | 494 | 20651 | -60.4 | 501 | 20685 | -63.0 | 495 | 20599 | 50 |
| 55 | -63.5 | 481 | 20085 | -64.5 | 478 | 20020 | -59.6 | 490 | 20007 | -66.4 | 474 | 20066 | -60.3 | 488 | 20091 | -64.6 | 478 | 20015 | 55 |
| 60 | -63.5 | 469 | 19551 | -69.1 | 456 | 19495 | -67.8 | 459 | 19476 | -67.1 | 461 | 19543 | -71.5 | 451 | 19563 | -64.4 | 467 | 19483 | 60 |

NCAR-TN/STR-55

# Rawinsonde Data Obtained During the Line Islands Experiment

## Volume II: Wind Data

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# FOREWORD

In this volume upper level wind data are presented from soundings made at Palmyra, Fanning, and Christmas Islands and from aboard the *USC&GSS Surveyor*. Appendixes A, B, and C have counterparts in the thermodynamic listings in Volume I. Appendix D presents detailed low level wind data and has no counterpart in Volume I. Volume I should be consulted for a discussion of the data reduction techniques used and for a listing of various formats in which the upper air data are available.

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# I. WIND STATISTICS

# I. WIND STATISTICS

Tabulations of the period means of the wind data for each of the islands are contained in this section. The tabulations include the mean and variance of the zonal wind ($\bar{u}, \sigma_u^2$), the mean and variance of the meridional wind ($\bar{v}, \sigma_v^2$), and the steadiness (S) which is given by $\vec{v}/v \times 100$, where $\vec{v}$ is the vector resultant wind speed, and v the average wind speed, regardless of direction. The smaller number of observations at 975 mb than at 950 mb is due to occasional data gaps in the first seconds after release. In addition to the period means, the mean zonal and meridional winds were computed at 3-hr intervals at each of the islands. Since the 0300, 0900, 1500, and 2100 GMT periods had relatively few soundings, and since these balloon release times are somewhat biased toward periods of disturbed weather, only the mean data for the primary synoptic times of 0000, 0600, 1200, and 1800 GMT are presented here.

Table 1

WIND STATISTICS, PALMYRA ISLAND

| P (mb) | $\bar{u}$ (m/sec) | $\sigma_u^2$ $(m/sec)^2$ | $\bar{v}$ (m/sec) | $\sigma_v^2$ $(m/sec)^2$ | S (%) | Number of Observ. |
|---|---|---|---|---|---|---|
| 60 | 16.3 | 22.1 | 0.2 | 10.8 | 98 | 77 |
| 80 | 13.9 | 41.9 | -0.4 | 17.7 | 95 | 195 |
| 100 | 11.1 | 53.3 | -3.1 | 56.7 | 82 | 200 |
| 150 | 20.0 | 146.3 | -3.9 | 99.7 | 88 | 212 |
| 200 | 18.5 | 120.5 | -2.2 | 106.4 | 86 | 219 |
| 250 | 16.0 | 77.1 | -0.6 | 68.6 | 87 | 220 |
| 300 | 12.8 | 43.2 | -0.7 | 50.4 | 87 | 218 |
| 350 | 10.1 | 30.3 | -1.3 | 31.7 | 87 | 218 |
| 400 | 7.8 | 33.0 | -0.8 | 23.4 | 82 | 222 |
| 450 | 6.5 | 29.5 | 0.1 | 20.5 | 78 | 229 |
| 500 | 4.0 | 36.5 | 0.6 | 17.0 | 58 | 231 |
| 550 | 1.7 | 34.6 | 0.9 | 13.8 | 31 | 234 |
| 600 | -0.6 | 32.5 | 1.0 | 13.5 | 19 | 235 |
| 650 | -2.5 | 32.9 | 1.2 | 13.5 | 43 | 235 |
| 700 | -4.7 | 32.5 | 1.3 | 16.1 | 64 | 235 |
| 750 | -6.8 | 25.5 | 1.2 | 8.9 | 84 | 236 |
| 800 | -8.2 | 19.1 | 1.2 | 6.1 | 93 | 235 |
| 850 | -9.2 | 17.2 | 1.4 | 7.1 | 94 | 235 |
| 900 | -9.6 | 12.1 | 1.2 | 9.6 | 94 | 234 |
| 925 | -9.2 | 10.7 | 1.0 | 11.6 | 93 | 234 |
| 950 | -8.3 | 9.5 | 0.6 | 12.6 | 91 | 233 |
| 975 | -7.4 | 8.2 | 0.3 | 12.1 | 89 | 223 |

Table 2

WIND STATISTICS, FANNING ISLAND

| P (mb) | $\bar{u}$ (m/sec) | $\sigma_u^2$ $(m/sec)^2$ | $\bar{v}$ (m/sec) | $\sigma_v^2$ $(m/sec)^2$ | S (%) | Number of Observ. |
|---|---|---|---|---|---|---|
| 60 | 15.2 | 18.6 | -0.1 | 12.6 | 97 | 97 |
| 80 | 13.8 | 25.9 | -0.2 | 13.4 | 96 | 190 |
| 100 | 13.1 | 38.6 | -2.5 | 48.0 | 87 | 200 |
| 150 | 17.2 | 92.2 | -4.2 | 102.2 | 86 | 205 |
| 200 | 14.9 | 72.6 | -2.1 | 116.3 | 80 | 207 |
| 250 | 12.7 | 53.7 | -0.8 | 69.5 | 82 | 210 |
| 300 | 11.0 | 47.4 | -0.6 | 40.3 | 86 | 212 |
| 350 | 8.5 | 32.5 | -1.2 | 22.0 | 85 | 214 |
| 400 | 7.1 | 38.1 | -0.9 | 17.5 | 80 | 237 |
| 450 | 6.1 | 30.1 | -0.4 | 17.1 | 76 | 250 |
| 500 | 4.2 | 24.6 | -0.6 | 12.9 | 67 | 253 |
| 550 | 1.4 | 27.9 | -0.3 | 11.0 | 27 | 256 |
| 600 | -0.6 | 27.9 | 0.1 | 11.4 | 11 | 255 |
| 650 | -3.3 | 29.8 | 0.8 | 8.4 | 55 | 257 |
| 700 | -5.6 | 26.4 | 1.2 | 7.9 | 77 | 258 |
| 750 | -7.7 | 22.2 | 1.1 | 4.3 | 92 | 258 |
| 800 | -9.2 | 14.6 | 1.1 | 6.8 | 95 | 259 |
| 850 | -10.2 | 9.5 | 0.5 | 8.6 | 96 | 259 |
| 900 | -10.1 | 8.8 | 0.9 | 6.5 | 97 | 258 |
| 925 | -9.4 | 8.8 | 1.2 | 6.1 | 97 | 257 |
| 950 | -8.0 | 8.1 | 1.4 | 5.8 | 96 | 255 |
| 975 | -6.4 | 6.6 | 1.8 | 5.2 | 94 | 188 |

Table 3

WIND STATISTICS, CHRISTMAS ISLAND

| P (mb) | $\bar{u}$ (m/sec) | $\sigma_u^2$ $(m/sec)^2$ | $\bar{v}$ (m/sec) | $\sigma_v^2$ $(m/sec)^2$ | S (%) | Number of Observ. |
|---|---|---|---|---|---|---|
| 60 | 14.4 | 39.2 | 1.5 | 17.4 | 95 | 80 |
| 80 | 12.4 | 31.2 | 1.8 | 18.1 | 94 | 226 |
| 100 | 14.2 | 39.8 | 1.1 | 55.3 | 89 | 230 |
| 150 | 17.3 | 83.1 | -1.6 | 79.6 | 87 | 232 |
| 200 | 16.0 | 73.1 | -0.5 | 119.5 | 81 | 235 |
| 250 | 12.6 | 72.2 | 0.8 | 90.0 | 76 | 237 |
| 300 | 10.6 | 58.7 | 0.0 | 48.1 | 80 | 239 |
| 350 | 8.2 | 39.8 | -0.3 | 27.3 | 81 | 238 |
| 400 | 7.3 | 31.9 | 0.3 | 19.0 | 80 | 237 |
| 450 | 5.0 | 23.2 | -0.1 | 18.5 | 70 | 237 |
| 500 | 3.7 | 15.4 | -0.3 | 14.2 | 65 | 238 |
| 550 | 1.7 | 18.5 | 0.0 | 11.7 | 35 | 240 |
| 600 | -0.5 | 16.0 | -0.2 | 11.3 | 10 | 241 |
| 650 | -3.8 | 18.8 | 0.5 | 6.6 | 69 | 241 |
| 700 | -6.0 | 26.0 | 0.2 | 7.4 | 80 | 242 |
| 750 | -8.7 | 25.6 | -0.1 | 5.8 | 93 | 242 |
| 800 | -11.1 | 12.0 | -0.5 | 7.4 | 97 | 242 |
| 850 | -13.0 | 9.9 | -1.1 | 9.3 | 97 | 240 |
| 900 | -12.3 | 10.6 | -1.4 | 7.8 | 97 | 241 |
| 925 | -11.3 | 9.0 | -0.9 | 6.0 | 98 | 241 |
| 950 | -9.7 | 6.7 | 0.0 | 4.7 | 97 | 240 |
| 975 | -7.8 | 5.0 | 0.8 | 3.6 | 97 | 224 |

Table 4

MEAN DATA FOR PRIMARY SYNOPTIC TIMES, PALMYRA ISLAND

| 0000 GMT | | | 0600 GMT | | | | 1200 GMT | | | 1800 GMT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | P (mb) | $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | $\bar{u}$ m/sec) | $\bar{v}$ (m/sec) | Number of Observ. |
| 16.0 | 0.3 | 32 | 14.3 | 2.5 | 3 | 60 | 16.6 | 0.1 | 39 | 14.9 | 1.4 | 2 |
| 12.7 | -0.9 | 35 | 12.3 | 0.6 | 38 | 80 | 14.6 | -0.2 | 41 | 14.7 | -1.2 | 38 |
| 11.4 | -2.8 | 35 | 10.7 | -2.1 | 39 | 100 | 10.7 | -3.2 | 42 | 11.9 | -3.0 | 39 |
| 17.7 | -4.7 | 40 | 19.8 | -3.7 | 41 | 150 | 20.8 | -2.9 | 41 | 17.9 | -4.4 | 41 |
| 16.3 | -2.6 | 42 | 19.2 | -2.2 | 42 | 200 | 18.9 | -1.4 | 43 | 17.2 | -1.4 | 42 |
| 14.6 | -1.8 | 44 | 15.8 | -0.4 | 42 | 250 | 15.8 | 0.6 | 43 | 15.6 | -0.5 | 42 |
| 11.7 | -1.3 | 44 | 13.5 | -0.4 | 41 | 300 | 12.6 | -0.3 | 43 | 12.4 | -0.9 | 41 |
| 9.4 | -1.0 | 43 | 11.4 | -0.8 | 41 | 350 | 10.7 | -1.0 | 42 | 8.5 | -0.8 | 41 |
| 6.6 | -0.4 | 43 | 8.8 | -0.4 | 42 | 400 | 8.2 | -1.3 | 44 | 6.8 | -1.2 | 41 |
| 5.7 | 0.1 | 46 | 6.8 | 0.2 | 42 | 450 | 6.6 | 0.6 | 45 | 5.9 | -0.2 | 42 |
| 3.8 | 0.5 | 47 | 4.6 | 0.0 | 42 | 500 | 3.4 | 0.7 | 45 | 4.1 | 0.3 | 42 |
| 1.7 | 1.8 | 47 | 2.0 | 0.5 | 42 | 550 | 1.2 | 0.7 | 47 | 1.5 | 0.2 | 43 |
| -0.4 | 1.7 | 47 | -0.7 | 1.1 | 42 | 600 | -0.7 | 0.8 | 47 | -1.0 | 0.1 | 44 |
| -1.6 | 1.5 | 47 | -2.9 | 1.1 | 42 | 650 | -2.9 | 0.6 | 47 | -2.5 | 1.4 | 44 |
| -4.1 | 1.0 | 47 | -5.3 | 1.6 | 42 | 700 | -4.8 | 1.0 | 47 | -4.0 | 1.3 | 44 |
| -6.6 | 0.8 | 47 | -6.9 | 1.5 | 42 | 750 | -6.5 | 0.9 | 47 | -6.3 | 1.5 | 45 |
| -8.0 | 1.0 | 47 | -7.7 | 0.9 | 41 | 800 | -8.1 | 1.0 | 47 | -7.6 | 1.8 | 45 |
| -8.6 | 1.6 | 47 | -8.6 | 1.0 | 41 | 850 | -9.5 | 1.0 | 47 | -8.6 | 2.1 | 45 |
| -9.2 | 1.6 | 47 | -9.2 | 0.6 | 40 | 900 | -9.8 | 1.1 | 47 | -9.4 | 1.9 | 45 |
| -8.8 | 1.6 | 47 | -8.8 | 0.4 | 40 | 925 | -9.4 | 0.9 | 47 | -9.2 | 1.6 | 45 |
| -7.8 | 1.4 | 46 | -8.0 | 0.0 | 40 | 950 | -8.5 | 0.5 | 47 | -8.5 | 1.2 | 45 |
| -6.7 | 1.1 | 46 | -7.2 | -0.8 | 34 | 975 | -7.4 | 0.2 | 47 | -7.6 | 1.0 | 46 |

Table 5

MEAN DATA FOR PRIMARY SYNOPTIC TIMES, FANNING ISLAND

| 0000 GMT | | | 0600 GMT | | | | 1200 GMT | | | 1800 GMT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | P (mb) | $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. |
| 14.6 | 0.2 | 40 | 17.7 | 1.2 | 5 | 60 | 15.2 | -0.9 | 40 | 17.3 | 1.5 | 9 |
| 13.2 | 0.2 | 45 | 13.8 | 0.1 | 22 | 80 | 14.4 | 0.0 | 41 | 13.8 | -0.5 | 25 |
| 12.6 | -2.8 | 46 | 14.9 | -1.5 | 25 | 100 | 13.4 | -2.1 | 44 | 13.6 | -2.8 | 26 |
| 16.8 | -4.6 | 48 | 15.5 | -2.6 | 26 | 150 | 17.3 | -3.9 | 43 | 16.7 | -4.5 | 26 |
| 15.2 | -2.9 | 48 | 12.4 | 0.9 | 27 | 200 | 15.6 | -1.9 | 44 | 12.5 | -2.1 | 25 |
| 12.1 | -1.7 | 48 | 11.7 | 0.3 | 29 | 250 | 13.8 | -0.6 | 43 | 9.7 | 0.0 | 27 |
| 10.5 | -1.2 | 48 | 9.3 | 1.1 | 30 | 300 | 12.4 | -0.6 | 43 | 8.5 | 0.4 | 27 |
| 8.1 | -1.6 | 48 | 7.3 | 0.9 | 30 | 350 | 9.4 | -1.4 | 43 | 8.1 | -0.5 | 30 |
| 6.7 | -1.1 | 48 | 6.9 | -0.3 | 42 | 400 | 7.3 | -1.2 | 43 | 7.0 | -1.1 | 40 |
| 5.8 | 0.0 | 47 | 6.4 | -0.1 | 49 | 450 | 6.5 | -1.2 | 45 | 5.6 | -0.9 | 45 |
| 3.9 | -0.4 | 47 | 4.3 | -0.4 | 49 | 500 | 4.7 | -0.8 | 45 | 3.5 | -1.3 | 45 |
| 1.3 | 0.3 | 48 | 1.9 | -0.2 | 49 | 550 | 1.6 | -0.5 | 45 | 1.0 | -1.0 | 47 |
| -0.8 | 0.7 | 48 | -0.7 | -0.1 | 49 | 600 | -0.2 | -0.2 | 45 | -1.6 | -0.1 | 46 |
| -3.0 | 1.0 | 48 | -3.0 | 0.9 | 49 | 650 | -3.3 | 0.1 | 47 | -4.0 | 0.7 | 46 |
| -5.4 | 1.3 | 48 | -5.6 | 1.0 | 49 | 700 | -5.6 | 1.0 | 47 | -5.9 | 1.1 | 47 |
| -7.2 | 1.2 | 48 | -7.9 | 0.7 | 49 | 750 | -7.8 | 0.9 | 47 | -8.1 | 1.2 | 47 |
| -9.0 | 1.0 | 48 | -9.2 | 0.5 | 49 | 800 | -9.6 | 1.2 | 47 | -9.0 | 1.5 | 47 |
| -9.9 | 0.5 | 48 | -10.3 | -0.4 | 49 | 850 | -10.2 | 0.4 | 47 | -10.2 | 1.0 | 47 |
| -9.3 | 1.0 | 48 | -10.2 | 0.2 | 48 | 900 | -10.3 | 0.5 | 47 | -10.5 | 1.4 | 47 |
| -8.5 | 1.3 | 48 | -9.4 | 0.5 | 48 | 925 | -9.5 | 1.0 | 47 | -10.1 | 1.7 | 47 |
| -7.4 | 1.5 | 47 | -8.0 | 0.7 | 48 | 950 | -8.2 | 1.3 | 47 | -8.7 | 1.8 | 47 |
| -5.8 | 1.8 | 35 | -6.3 | 1.3 | 32 | 975 | -6.5 | 1.6 | 35 | -6.8 | 2.1 | 37 |

Table 6

MEAN DATA FOR PRIMARY SYNOPTIC TIMES, CHRISTMAS ISLAND

| 0000 GMT | | | 0600 GMT | | | | 1200 GMT | | | 1800 GMT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | P (mb) | $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. | $\bar{u}$ (m/sec) | $\bar{v}$ (m/sec) | Number of Observ. |
| 14.4 | 1.9 | 41 | - | - | - | 60 | 14.6 | 1.0 | 38 | - | - | - |
| 11.7 | 1.6 | 41 | 12.6 | 2.2 | 40 | 80 | 12.6 | 1.9 | 43 | 12.0 | 1.4 | 42 |
| 14.8 | 1.2 | 41 | 14.8 | 2.4 | 40 | 100 | 14.0 | 0.9 | 43 | 14.5 | 0.9 | 42 |
| 16.5 | -2.2 | 41 | 16.0 | -2.6 | 42 | 150 | 18.0 | -2.0 | 43 | 16.5 | -1.7 | 42 |
| 16.0 | -1.4 | 41 | 15.6 | -0.4 | 42 | 200 | 16.3 | -0.7 | 44 | 15.1 | 0.6 | 43 |
| 12.2 | 0.4 | 41 | 11.9 | 1.3 | 43 | 250 | 12.8 | 0.9 | 44 | 12.1 | 1.4 | 43 |
| 10.3 | -0.4 | 42 | 10.1 | -0.1 | 43 | 300 | 10.8 | 0.5 | 44 | 10.2 | 0.1 | 43 |
| 7.5 | -0.4 | 42 | 8.2 | 0.0 | 43 | 350 | 8.3 | 0.0 | 44 | 8.5 | 0.3 | 43 |
| 7.0 | 0.7 | 42 | 7.2 | 1.0 | 43 | 400 | 7.3 | 0.3 | 44 | 7.1 | -0.2 | 42 |
| 5.1 | -0.5 | 42 | 5.0 | 0.4 | 43 | 450 | 5.2 | 0.2 | 44 | 4.8 | -0.2 | 42 |
| 3.6 | 0.0 | 42 | 3.9 | -0.2 | 43 | 500 | 4.0 | -0.1 | 44 | 3.3 | 0.1 | 43 |
| 1.6 | -0.1 | 42 | 1.7 | 0.2 | 44 | 550 | 2.2 | -0.2 | 44 | 1.9 | 0.2 | 43 |
| -0.1 | -0.3 | 43 | -0.3 | 0.2 | 44 | 600 | -0.2 | -0.2 | 44 | -0.9 | -0.2 | 43 |
| -3.5 | 0.8 | 43 | -3.6 | 0.4 | 44 | 650 | -3.6 | 0.2 | 44 | -4.0 | 0.2 | 43 |
| -5.5 | 0.4 | 43 | -5.9 | 0.0 | 44 | 700 | -5.6 | 0.0 | 45 | -5.8 | 0.0 | 43 |
| -8.0 | 0.0 | 44 | -8.3 | -0.2 | 44 | 750 | -8.4 | -0.2 | 45 | -8.9 | -0.2 | 42 |
| -10.7 | -0.3 | 44 | -11.2 | -0.5 | 44 | 800 | -11.1 | -0.5 | 45 | -11.2 | -0.4 | 42 |
| -12.4 | -1.4 | 43 | -13.2 | -1.3 | 44 | 850 | -13.1 | -1.0 | 44 | -13.1 | -1.1 | 42 |
| -12.3 | -1.4 | 43 | -12.3 | -1.8 | 44 | 900 | -12.0 | -1.3 | 44 | -11.8 | -1.4 | 43 |
| -11.5 | -0.8 | 43 | -11.2 | -1.3 | 44 | 925 | -11.0 | -1.0 | 44 | -10.9 | -0.7 | 43 |
| -9.8 | 0.1 | 43 | -9.6 | -0.3 | 44 | 950 | -9.4 | -0.3 | 44 | -9.7 | 0.2 | 43 |
| -7.8 | 0.9 | 38 | -7.9 | 0.3 | 39 | 975 | -7.4 | 0.4 | 41 | -7.9 | 1.0 | 43 |

# II. PRESENTATION OF THE WIND DATA

## II. PRESENTATION OF THE WIND DATA

*All the wind data presented in the appendixes have been filtered with the meso-pass filter, discussed in Sect. I-E of Vol. I.*

To facilitate cross reference with Vol. I, the wind data are arranged in four appendixes. Appendix A contains wind data below 60 mb from Palmyra, Fanning, and Christmas Islands. Pressure (P), an interpolation flag (I), wind direction in degrees (DD), wind speed in meters per second (FF), zonal component in meters per second (u), meridional component in meters per second (v), and a mean geopotential height based on all the soundings from the three islands (HBAR), are tabulated for each sounding from the surface to 60 mb. Only the mean height associated with a given pressure level is included; however, one can determine the actual height from the corresponding sounding in the thermodynamic tabulations (Vol. I). The month, day, hour, and minute of balloon release are printed above each sounding. Appendix A of Vol. I contains the corresponding thermodynamic data from the three islands, arranged in identical page sequence to the entries of Appendix A in this volume.

In order to understand the interpolation flag it is necessary to review the following facts concerning the data reduction procedures. A 1-min average wind computed for a specific time is based on azimuth and elevation angles at the succeeding and preceding half minute. If the angles have been recorded at these two levels, the wind carries an interpolation flag of 2. If interpolation is required at either one or two of the levels, the interpolation flag will be 1 or 0, respectively. The winds tabulated at specific pressure levels or specific heights are based on two winds calculated at specific times, and hence on four input levels. (The number of *distinct* input levels is actually three, since the succeeding 30-sec level for a 1-min average wind is the preceding 30-sec level for the next 1-min average wind.) The interpolation flag included in the tabulations represents the sum of the interpolation flags of the two basic 1-min average winds. If this sum was 4, no interpolations were required, and the interpolation flag column was

left blank. If one of the basic winds was based on a single level of interpolated data, a 3 appears in the column. If both of the basic winds required a single interpolation, a 2 appears in the column.

Appendix B contains the day-to-day positions of the *Surveyor*, followed by the wind data obtained from shipboard rabals. The corresponding thermodynamic data from the *Surveyor* are tabulated in Appendix B, Vol. 1.

Appendix C contains wind data from 60 mb to termination, from the three islands. Appendix C, Vol. I contains the corresponding thermodynamic data.

Appendix D contains detailed low level wind data tabulated at 250-m increments from 250 to 2,500 m. No corresponding thermodynamic data appear in Vol. I.

# APPENDIX A: WIND DATA BELOW 60 mb

Palmyra Island . . . . . .
Fanning Island . . . . . .
Christmas Island . . . . . .

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 2/25 035 GMT | | | | 2/25 1258 GMT | | | | 2/26 017 GMT | | | | 2/26 12 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 2 | 264 | 15.0 | 14.9 | 1.7 | 2 | 282 | 16.9 | 16.6 | -3.5 | 2 | 262 | 13.5 | 13.4 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 274 | 6.6 | 6.5 | -.5 | 2 | 261 | 9.4 | 9.3 | 1.5 | 2 | 290 | 8.7 | 8.1 | -3.0 | 2 | 322 | 8.5 | 5.2 | -6.7 | 18589 |
| 80 | 2 | 198 | 4.4 | 1.3 | 4.2 | 2 | 65 | 3.3 | -3.0 | -1.4 | 2 | 276 | 14.2 | 14.2 | -1.4 | 2 | 269 | 5.6 | 5.6 | .1 | 17801 |
| 90 | 2 | 6 | 13.4 | -1.3 | -13.3 | 2 | 355 | 13.8 | 1.2 | -13.7 | 2 | 299 | 10.5 | 9.1 | -5.1 | 2 | 65 | 3.0 | -2.8 | -1.3 | 17121 |
| 100 | 2 | 309 | 14.6 | 11.3 | -9.3 | 2 | 305 | 16.3 | 13.3 | -9.4 | 2 | 123 | 4.1 | -3.4 | 2.2 | 2 | 342 | 8.3 | 2.6 | -7.8 | 16521 |
| 110 | 2 | 305 | 18.4 | 15.2 | -10.4 | 2 | 291 | 22.6 | 21.1 | -8.0 | 2 | 48 | 7.2 | -5.4 | -4.8 | 2 | 324 | 14.1 | 8.2 | -11.4 | 15978 |
| 120 | 2 | 288 | 19.1 | 18.2 | -5.8 | 2 | 290 | 26.6 | 24.9 | -9.2 | 2 | 354 | 13.4 | 1.5 | -13.3 | 2 | 306 | 24.0 | 19.4 | -14.1 | 15479 |
| 130 | 2 | 284 | 15.6 | 15.1 | -3.9 | 2 | 283 | 24.8 | 24.1 | -5.5 | 2 | 327 | 17.7 | 9.7 | -14.9 | 2 | 301 | 23.5 | 20.2 | -12.0 | 15014 |
| 140 | 2 | 281 | 22.5 | 22.1 | -4.2 | 2 | 274 | 23.9 | 23.8 | -1.6 | 2 | 311 | 20.8 | 15.7 | -13.7 | 1 | 300 | 15.9 | 13.7 | -8.0 | 14578 |
| 150 | 2 | 267 | 27.5 | 27.4 | 1.6 | 2 | 269 | 25.5 | 25.5 | .5 | 2 | 303 | 24.1 | 20.2 | -13.2 | 2 | 294 | 17.7 | 16.1 | -7.2 | 14167 |
| 160 | 2 | 254 | 27.9 | 26.8 | 7.8 | 2 | 262 | 24.8 | 24.5 | 3.6 | 2 | 294 | 18.0 | 16.5 | -7.3 | 2 | 289 | 17.6 | 16.7 | -5.7 | 13776 |
| 170 | 2 | 243 | 26.9 | 23.9 | 12.2 | 2 | 252 | 23.2 | 22.0 | 7.2 | 2 | 284 | 13.3 | 12.9 | -3.3 | 2 | 284 | 17.5 | 16.9 | -4.3 | 13404 |
| 180 | 2 | 243 | 29.1 | 25.8 | 13.4 | 2 | 246 | 22.9 | 20.9 | 9.3 | 2 | 272 | 13.2 | 13.2 | -.4 | 2 | 283 | 16.8 | 16.4 | -3.7 | 13049 |
| 190 | 2 | 247 | 30.1 | 27.7 | 11.8 | 2 | 245 | 23.3 | 21.1 | 9.8 | 2 | 260 | 12.8 | 12.6 | 2.3 | 2 | 282 | 13.5 | 13.3 | -2.7 | 12709 |
| 200 | 2 | 244 | 25.6 | 23.1 | 11.1 | 2 | 249 | 24.7 | 23.0 | 8.9 | 2 | 256 | 12.8 | 12.5 | 3.0 | 2 | 285 | 12.3 | 11.9 | -3.2 | 12383 |
| 225 | 2 | 256 | 24.6 | 23.8 | 6.0 | 2 | 257 | 15.2 | 14.8 | 3.4 | 2 | 269 | 17.1 | 17.1 | .4 | 2 | 293 | 12.8 | 11.8 | -5.0 | 11617 |
| 250 | 2 | 264 | 19.7 | 19.6 | 2.1 | 2 | 262 | 24.9 | 24.7 | 3.4 | 2 | 289 | 17.4 | 16.4 | -5.8 | 2 | 282 | 15.1 | 14.8 | -3.2 | 10914 |
| 275 | 2 | 269 | 15.9 | 15.8 | .4 | 2 | 278 | 18.7 | 18.6 | -2.5 | 2 | 297 | 18.7 | 16.7 | -8.5 | 2 | 306 | 16.8 | 13.6 | -9.8 | 10262 |
| 300 | 2 | 279 | 16.5 | 16.3 | -2.7 | 2 | 288 | 18.3 | 17.4 | -5.8 | 2 | 302 | 15.8 | 13.3 | -8.5 | 2 | 311 | 16.3 | 12.2 | -10.7 | 9654 |
| 325 | 2 | 301 | 22.6 | 19.3 | -11.7 | 1 | 292 | 17.6 | 16.4 | -6.5 | 2 | 297 | 14.5 | 13.0 | -6.5 | 2 | 325 | 18.1 | 10.4 | -14.8 | 9084 |
| 350 | 2 | 294 | 11.6 | 10.7 | -4.7 | 2 | 288 | 16.9 | 16.0 | -5.3 | 2 | 295 | 12.5 | 11.3 | -5.2 | 2 | 301 | 9.9 | 8.5 | -5.2 | 8546 |
| 375 | 2 | 283 | 21.4 | 20.9 | -4.8 | 2 | 299 | 14.5 | 12.6 | -7.1 | 2 | 303 | 13.4 | 11.3 | -7.2 | 2 | 312 | 12.9 | 9.6 | -8.7 | 8039 |
| 400 | 2 | 280 | 7.1 | 7.0 | -1.2 | 2 | 307 | 9.1 | 7.2 | -5.5 | 2 | 273 | 10.4 | 10.3 | -.5 | 2 | 308 | 5.2 | 4.1 | -3.2 | 7557 |
| 425 | 2 | 288 | 9.9 | 9.4 | -3.0 | 2 | 278 | 6.8 | 6.7 | -1.0 | 2 | 282 | 5.7 | 5.5 | -1.2 | 2 | 222 | 1.1 | .8 | .9 | 7099 |
| 450 | 2 | 352 | 5.0 | .7 | -5.0 | 2 | 187 | 1.7 | .2 | 1.7 | 2 | 283 | 3.7 | 3.6 | -.9 | 2 | 190 | 2.5 | .4 | 2.5 | 6662 |
| 475 | 2 | 66 | 5.1 | -4.6 | -2.1 | 2 | 106 | 5.6 | -5.4 | 1.5 | 2 | 130 | 2.3 | -1.8 | 1.5 | 2 | 109 | 5.5 | -5.2 | 1.8 | 6244 |
| 500 | 2 | 96 | 13.6 | -13.5 | 1.4 | 2 | 97 | 3.7 | -3.6 | .4 | 2 | 116 | 8.2 | -7.4 | 3.6 | 2 | 97 | 10.3 | -10.3 | 1.3 | 5844 |
| 525 | 2 | 124 | 7.9 | -6.6 | 4.4 | 2 | 94 | 5.3 | -5.3 | .4 | 2 | 105 | 7.2 | -7.0 | 1.9 | 2 | 97 | 10.7 | -10.7 | 1.3 | 5460 |
| 550 | 2 | 140 | 11.4 | -7.4 | 8.7 | 2 | 95 | 5.6 | -5.6 | .5 | 2 | 93 | 7.4 | -7.4 | .4 | 2 | 94 | 10.6 | -10.5 | .8 | 5091 |
| 575 | 2 | 137 | 15.0 | -10.3 | 10.9 | 2 | 108 | 7.6 | -7.2 | 2.4 | 2 | 81 | 8.4 | -8.3 | -1.3 | 2 | 93 | 9.3 | -9.2 | .6 | 4736 |
| 600 | 2 | 131 | 14.2 | -10.7 | 9.4 | 2 | 104 | 7.9 | -7.7 | 1.9 | 2 | 64 | 11.0 | -9.9 | -4.9 | 2 | 82 | 9.2 | -9.1 | -1.3 | 4393 |
| 625 | 2 | 125 | 10.2 | -8.3 | 5.9 | 2 | 79 | 8.4 | -8.2 | -1.6 | 2 | 59 | 12.3 | -10.5 | -6.4 | 2 | 75 | 10.9 | -10.5 | -2.7 | 4062 |
| 650 | 2 | 76 | 6.0 | -5.8 | -1.4 | 2 | 62 | 10.1 | -8.9 | -4.8 | 2 | 63 | 11.0 | -9.7 | -5.1 | 2 | 70 | 11.5 | -10.8 | -4.0 | 3742 |
| 675 | 2 | 69 | 6.9 | -6.5 | -2.4 | 2 | 53 | 11.4 | -9.1 | -6.9 | 2 | 59 | 7.1 | -6.1 | -3.7 | 2 | 60 | 10.1 | -8.7 | -5.0 | 3431 |
| 700 | 2 | 66 | 11.4 | -10.5 | -4.7 | 2 | 56 | 10.3 | -8.5 | -5.8 | 2 | 73 | 16.0 | -.5.3 | -4.6 | 2 | 61 | 9.2 | -8.0 | -4.5 | 3130 |
| 725 | 2 | 74 | 4.2 | -4.0 | -1.1 | 2 | 85 | 8.0 | -7.9 | -.7 | 2 | 80 | 9.0 | -8.9 | -1.5 | 2 | 75 | 11.3 | -10.9 | -3.0 | 2837 |
| 750 | 2 | 99 | 8.9 | -8.8 | 1.4 | 2 | 103 | 9.3 | -9.0 | 2.0 | 2 | 80 | 10.1 | -9.9 | -1.8 | 2 | 81 | 12.8 | -12.6 | -2.0 | 2553 |
| 775 | 2 | 87 | 10.0 | -10.0 | -.5 | 2 | 102 | 11.1 | -10.9 | 2.3 | 3 | 64 | 12.8 | -11.5 | -5.7 | 2 | 82 | 11.5 | -11.4 | -1.5 | 2276 |
| 800 | 2 | 75 | 9.5 | -9.2 | -2.5 | 2 | 101 | 12.0 | -11.8 | 2.3 | | 67 | 12.6 | -11.6 | -4.8 | 2 | 90 | 10.1 | -10.1 | -.0 | 2007 |
| 825 | 2 | 74 | 11.3 | -10.9 | -3.2 | 2 | 99 | 11.2 | -11.1 | 1.7 | | 86 | 10.1 | -10.1 | -.6 | 2 | 100 | 9.7 | -9.5 | 1.7 | 1745 |
| 850 | 2 | 70 | 12.8 | -12.0 | -4.4 | | 92 | 10.4 | -10.4 | .4 | | 100 | 9.6 | -9.4 | 1.7 | | 102 | 10.3 | -10.1 | 2.1 | 1490 |
| 875 | | 64 | 12.5 | -11.2 | -5.4 | | 84 | 11.5 | -11.5 | -1.2 | | 102 | 10.5 | -10.3 | 2.2 | | 101 | 10.7 | -10.5 | 2.0 | 1242 |
| 900 | | 65 | 12.3 | -11.2 | -5.2 | | 79 | 12.9 | -12.6 | -2.5 | | 103 | 11.4 | -11.1 | 2.6 | | 107 | 10.0 | -9.6 | 2.9 | 999 |
| 925 | | 73 | 12.7 | -12.1 | -3.7 | | 75 | 13.0 | -12.6 | -3.3 | | 108 | 10.6 | -10.1 | 3.3 | | 117 | 10.4 | -9.2 | 4.7 | 762 |
| 950 | | 71 | 12.5 | -11.8 | -4.1 | | 71 | 11.6 | -11.0 | -3.8 | | 120 | 10.0 | -8.6 | 5.0 | | 118 | 10.8 | -9.6 | 5.0 | 529 |
| 975 | | 65 | 11.8 | -10.7 | -5.0 | | 65 | 9.0 | -8.2 | -3.7 | | 130 | 10.6 | -8.1 | 6.8 | | 113 | 7.7 | -7.0 | 3.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 2/27 0 1 GMT | | | | | 2/27 12 0 GMT | | | | | 2/28 0 0 GMT | | | | | 2/28 714 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 283 | 15.0 | 14.6 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 250 | 14.2 | 13.3 | 5.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 270 | 12.9 | 12.9 | .1 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 342 | 6.6 | 2.0 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 250 | 6.0 | 5.6 | 2.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 352 | 2.0 | .3 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 305 | 8.1 | 6.6 | -4.6 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 18 | 9.3 | -2.8 | -8.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 283 | 6.8 | 6.6 | -1.5 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 316 | 9.0 | 6.3 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 309 | 9.4 | 7.3 | -5.9 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 319 | 19.2 | 12.6 | -14.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 317 | 13.5 | 9.2 | -9.9 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 323 | 20.0 | 11.9 | -16.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 320 | 21.1 | 13.5 | -16.2 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 314 | 19.3 | 14.0 | -13.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 309 | 27.8 | 21.5 | -17.6 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 303 | 25.4 | 21.4 | -13.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 303 | 28.3 | 23.9 | -15.2 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 299 | 22.0 | 19.3 | -10.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 300 | 29.3 | 25.3 | -14.7 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 298 | 23.1 | 20.5 | -10.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 297 | 30.7 | 27.5 | -13.7 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 298 | 29.7 | 26.2 | -14.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 287 | 31.5 | 30.2 | -9.0 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 281 | 27.7 | 27.2 | -5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 282 | 33.8 | 33.1 | -6.9 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 275 | 30.5 | 30.4 | -2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 282 | 30.0 | 29.4 | -6.0 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 277 | 26.7 | 26.5 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 281 | 22.8 | 22.5 | -4.2 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 286 | 20.4 | 19.6 | -5.7 | 2 | 287 | 18.2 | 17.5 | -5.2 | 2 | 274 | 16.2 | 16.1 | -1.2 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 292 | 10.9 | 10.1 | -4.0 | 2 | 304 | 13.2 | 11.0 | -7.3 | 2 | 262 | 14.9 | 14.8 | 2.0 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 283 | 9.6 | 9.4 | -2.2 | 2 | 297 | 5.2 | 4.6 | -2.4 | 2 | 260 | 15.1 | 14.9 | 2.6 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 292 | 7.8 | 7.2 | -2.9 | 2 | 277 | 7.1 | 7.1 | -.9 | 2 | 272 | 12.3 | 12.2 | -.5 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 316 | 6.1 | 4.2 | -4.4 | 2 | 267 | 6.5 | 6.5 | .4 | 2 | 268 | 7.3 | 7.3 | .2 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 316 | 6.3 | 4.4 | -4.5 | 2 | 272 | 4.1 | 4.1 | -.2 | 2 | 205 | 3.6 | 1.5 | 3.3 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 313 | 5.7 | 4.2 | -3.9 | | | | | | 2 | 229 | 5.5 | 4.2 | 3.6 | 7557 |
| 425 | 2 | 256 | 4.4 | 4.3 | 1.1 | 2 | 253 | 4.9 | 4.7 | 1.4 | | | | | | 2 | 235 | 5.0 | 4.1 | 2.9 | 7099 |
| 450 | 2 | 175 | 3.2 | -.3 | 3.2 | 2 | 147 | 5.1 | -2.8 | 4.2 | 1 | 220 | 5.1 | 3.2 | 3.9 | 2 | 224 | 7.0 | 4.9 | 5.0 | 6662 |
| 475 | 2 | 141 | 3.9 | -2.4 | 3.0 | 2 | 143 | 6.0 | -3.7 | 4.8 | 1 | 213 | 5.6 | 3.1 | 4.7 | 2 | 232 | 6.8 | 5.4 | 4.2 | 6244 |
| 500 | 2 | 88 | 4.3 | -4.3 | -.2 | 2 | 108 | 6.6 | -6.3 | 2.0 | 2 | 167 | 6.6 | -1.5 | 6.4 | 2 | 220 | 6.2 | 4.0 | 4.7 | 5844 |
| 525 | 2 | 77 | 8.5 | -8.3 | -1.9 | 2 | 102 | 5.1 | -5.0 | 1.0 | 2 | 170 | 4.8 | -.8 | 4.8 | 2 | 187 | 1.2 | .1 | 1.2 | 5460 |
| 550 | 2 | 85 | 10.0 | -10.0 | -.9 | 2 | 94 | 6.9 | -6.9 | .5 | 2 | 124 | 6.1 | -5.0 | 3.4 | 2 | 102 | 7.6 | -7.5 | 1.5 | 5091 |
| 575 | 2 | 89 | 10.6 | -10.6 | -.2 | 2 | 88 | 11.5 | -11.5 | -.3 | 2 | 97 | 9.9 | -9.8 | 1.3 | 2 | 88 | 4.8 | -4.8 | -.1 | 4736 |
| 600 | 2 | 80 | 9.7 | -9.5 | -1.7 | 2 | 90 | 10.2 | -10.2 | -.1 | 2 | 84 | 12.4 | -12.4 | -1.4 | 2 | 95 | 13.8 | -13.7 | 1.1 | 4393 |
| 625 | 2 | 73 | 8.9 | -8.5 | -2.6 | 2 | 88 | 11.5 | -11.5 | -.4 | 2 | 89 | 11.5 | -11.5 | -.2 | 2 | 109 | 14.6 | -13.8 | 4.7 | 4062 |
| 650 | 2 | 59 | 9.1 | -7.8 | -4.6 | 2 | 81 | 14.0 | -13.8 | -2.3 | 2 | 107 | 10.9 | -10.4 | 3.2 | 2 | 113 | 8.7 | -8.0 | 3.5 | 3742 |
| 675 | 2 | 52 | 9.8 | -7.7 | -6.1 | 2 | 80 | 12.8 | -12.6 | -2.3 | 2 | 107 | 10.9 | -10.4 | 3.2 | 2 | 110 | 13.8 | -13.0 | 4.6 | 3431 |
| 700 | 2 | 63 | 7.9 | -7.0 | -3.6 | 2 | 91 | 11.9 | -11.9 | .2 | 2 | 111 | 9.8 | -9.1 | 3.5 | 2 | 119 | 13.4 | -11.7 | 6.5 | 3130 |
| 725 | 2 | 89 | 8.1 | -8.1 | -.2 | 2 | 103 | 12.8 | -12.5 | 2.9 | 2 | 120 | 9.4 | -8.1 | 4.7 | 2 | 114 | 11.4 | -10.4 | 4.7 | 2837 |
| 750 | 2 | 98 | 9.8 | -9.7 | 1.3 | 2 | 110 | 12.6 | -11.8 | 4.2 | 2 | 114 | 10.2 | -9.4 | 4.1 | 2 | 103 | 11.7 | -11.4 | 2.6 | 2553 |
| 775 | 1 | 108 | 9.4 | -8.9 | 2.9 | 2 | 114 | 11.2 | -10.2 | 4.6 | 2 | 103 | 10.1 | -9.9 | 2.3 | 2 | 95 | 11.0 | -11.0 | .9 | 2276 |
| 800 | 0 | 115 | 9.4 | -8.5 | 4.0 | 2 | 115 | 9.8 | -8.9 | 4.1 | 2 | 100 | 9.9 | -9.8 | 1.7 | 2 | 89 | 9.5 | -9.5 | -.2 | 2007 |
| 825 | 1 | 109 | 10.5 | -9.9 | 3.5 | 2 | 111 | 9.1 | -8.5 | 3.3 | 2 | 100 | 10.3 | -10.1 | 1.8 | 2 | 92 | 9.1 | -9.1 | .3 | 1745 |
| 850 | | 108 | 12.1 | -11.5 | 3.7 | 3 | 110 | 9.3 | -8.7 | 3.2 | 2 | 96 | 10.2 | -10.1 | 1.1 | 2 | 96 | 10.1 | -10.0 | 1.1 | 1490 |
| 875 | | 116 | 12.9 | -11.5 | 5.7 | | 111 | 9.2 | -8.6 | 3.3 | | 99 | 10.2 | -10.0 | 1.6 | | 97 | 11.1 | -11.0 | 1.3 | 1242 |
| 900 | | 126 | 12.3 | -10.0 | 7.1 | | 110 | 9.2 | -8.7 | 3.2 | | 103 | 10.0 | -9.7 | 2.2 | | 96 | 11.1 | -11.1 | 1.1 | 999 |
| 925 | | 131 | 10.7 | -8.0 | 7.0 | | 113 | 9.1 | -8.4 | 3.5 | | 104 | 9.3 | -9.0 | 2.2 | | 94 | 10.4 | -10.4 | .8 | 762 |
| 950 | | 133 | 9.0 | -6.6 | 6.1 | | 119 | 8.3 | -7.3 | 4.1 | | 104 | 8.5 | -8.3 | 2.1 | | 90 | 8.9 | -8.9 | -.0 | 529 |
| 975 | | 134 | 8.2 | -5.9 | 5.7 | | 127 | 7.6 | -6.1 | 4.5 | | 103 | 7.4 | -7.2 | 1.6 | | 84 | 8.0 | -8.0 | -.8 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 2/28 1147 GMT | | | | 2/28 1815 GMT | | | | 3/ 1 148 GMT | | | | 3/ 1 550 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 2 | 267 | 17.3 | 17.3 | .8 | 2 | 257 | 14.2 | 13.8 | 3.1 | 2 | 282 | 24.5 | 24.0 | -5.1 | | 261 | 12.3 | 12.2 | 1.9 | 19517 |
| 70 | 2 | 259 | 20.1 | 19.8 | 3.8 | 2 | 255 | 21.9 | 21.1 | 5.6 | 2 | 275 | 19.9 | 19.8 | -1.7 | | 267 | 18.1 | 18.1 | .8 | 18589 |
| 80 | 2 | 274 | 23.1 | 23.0 | -1.8 | 2 | 280 | 10.6 | 10.5 | -1.8 | 2 | 247 | 11.9 | 10.9 | 4.7 | | 270 | 11.8 | 11.8 | .1 | 17801 |
| 90 | 2 | 271 | 14.8 | 14.8 | -.4 | 2 | 310 | 12.0 | 9.1 | -7.8 | 2 | 298 | 3.9 | 3.5 | -1.8 | | 263 | 15.7 | 15.5 | 1.8 | 17121 |
| 100 | 1 | 271 | 8.9 | 8.9 | -.1 | 2 | 303 | 14.8 | 12.4 | -8.0 | 2 | 329 | 14.3 | 7.5 | -12.2 | | 244 | 10.0 | 9.0 | 4.4 | 16521 |
| 110 | 1 | 288 | 9.1 | 8.7 | -2.8 | 2 | 324 | 16.7 | 9.9 | -13.5 | 2 | 328 | 21.5 | 11.5 | -18.2 | | 258 | 4.2 | 4.1 | .9 | 15978 |
| 120 | 1 | 309 | 5.1 | 3.9 | -3.2 | 2 | 322 | 24.3 | 15.0 | -19.1 | 2 | 321 | 31.5 | 19.6 | -24.6 | | 327 | 12.9 | 7.0 | -10.9 | 15479 |
| 130 | 2 | 335 | 13.7 | 5.9 | -12.4 | 2 | 309 | 30.6 | 23.8 | -19.2 | 2 | 307 | 34.0 | 27.0 | -20.7 | | 331 | 18.6 | 9.0 | -16.3 | 15014 |
| 140 | 2 | 313 | 25.2 | 18.5 | -17.1 | 2 | 297 | 32.7 | 29.0 | -15.0 | 2 | 298 | 29.1 | 25.6 | -13.7 | | 326 | 23.1 | 13.0 | -19.1 | 14578 |
| 150 | 2 | 303 | 28.6 | 24.0 | -15.5 | 2 | 290 | 31.8 | 29.9 | -10.7 | 2 | 289 | 29.0 | 27.4 | -9.5 | | 319 | 27.1 | 17.9 | -20.4 | 14167 |
| 160 | 2 | 296 | 28.1 | 25.4 | -12.2 | 2 | 289 | 30.2 | 28.5 | -10.1 | 2 | 279 | 32.3 | 31.9 | -4.9 | | 304 | 26.3 | 21.9 | -14.5 | 13776 |
| 170 | 2 | 292 | 28.5 | 26.3 | -10.9 | 2 | 287 | 31.1 | 29.7 | -9.1 | 2 | 281 | 29.1 | 28.6 | -5.5 | | 286 | 27.5 | 26.4 | -7.7 | 13404 |
| 180 | 2 | 287 | 30.2 | 28.8 | -9.1 | 2 | 277 | 31.4 | 31.1 | -4.0 | 2 | 279 | 27.5 | 27.2 | -4.2 | | 279 | 28.3 | 28.0 | -4.6 | 13049 |
| 190 | 2 | 283 | 34.5 | 33.7 | -7.6 | 2 | 270 | 33.9 | 33.9 | .0 | 2 | 269 | 29.3 | 29.3 | .4 | | 275 | 28.5 | 28.4 | -2.6 | 12709 |
| 200 | 2 | 282 | 33.9 | 33.1 | -7.2 | 2 | 268 | 34.4 | 34.4 | 1.1 | 2 | 270 | 27.0 | 27.0 | .0 | | 272 | 28.9 | 28.9 | -1.1 | 12383 |
| 225 | 2 | 281 | 28.8 | 28.3 | -5.6 | 2 | 268 | 34.2 | 34.2 | 1.0 | 2 | 264 | 29.8 | 29.6 | 3.3 | | 262 | 26.7 | 26.4 | 3.6 | 11617 |
| 250 | 2 | 272 | 20.7 | 20.7 | -.6 | 2 | 280 | 27.1 | 26.7 | -4.7 | 2 | 257 | 23.9 | 23.3 | 5.3 | | 256 | 28.0 | 27.2 | 6.9 | 10914 |
| 275 | 2 | 273 | 15.2 | 15.2 | -.9 | 2 | 286 | 21.4 | 20.6 | -5.8 | 2 | 245 | 17.4 | 15.9 | 7.2 | | 250 | 29.2 | 27.5 | 9.8 | 10262 |
| 300 | 2 | 266 | 14.5 | 14.4 | .9 | 2 | 286 | 17.9 | 17.2 | -4.9 | | | | | | | 255 | 24.5 | 23.6 | 6.5 | 9654 |
| 325 | 2 | 271 | 15.6 | 15.6 | -.3 | 2 | 275 | 19.0 | 19.0 | -1.6 | 2 | 269 | 16.4 | 16.4 | .3 | | 268 | 19.1 | 19.1 | .8 | 9084 |
| 350 | 2 | 261 | 17.2 | 17.0 | 2.5 | 2 | 278 | 18.4 | 18.2 | -2.6 | 2 | 276 | 14.7 | 14.7 | -1.5 | | 258 | 22.0 | 21.5 | 4.5 | 8546 |
| 375 | 2 | 262 | 11.6 | 11.5 | 1.7 | 2 | 273 | 16.0 | 16.0 | -.7 | 2 | 269 | 13.5 | 13.5 | .2 | | 259 | 19.0 | 18.6 | 3.8 | 8039 |
| 400 | 2 | 262 | 8.2 | 8.2 | 1.2 | 2 | 275 | 11.2 | 11.1 | -1.0 | 2 | 279 | 12.1 | 11.9 | -1.9 | | 270 | 13.8 | 13.8 | -.0 | 7557 |
| 425 | 2 | 236 | 10.9 | 9.0 | 6.1 | 2 | 265 | 10.0 | 10.0 | .9 | 2 | 281 | 8.8 | 8.6 | -1.6 | | 265 | 9.8 | 9.7 | .8 | 7099 |
| 450 | 2 | 231 | 11.5 | 8.9 | 7.3 | 2 | 251 | 9.8 | 9.3 | 3.1 | 2 | 324 | 3.3 | 2.0 | -2.6 | | 246 | 8.0 | 7.3 | 3.2 | 6662 |
| 475 | 2 | 239 | 11.1 | 9.5 | 5.7 | 2 | 245 | 8.1 | 7.3 | 3.4 | 2 | 85 | 3.4 | -3.4 | -.3 | | 247 | 10.0 | 9.2 | 4.0 | 6244 |
| 500 | 2 | 242 | 7.1 | 6.2 | 3.4 | 2 | 220 | 4.5 | 2.9 | 3.5 | 2 | 148 | 2.9 | -1.5 | 2.5 | | 220 | 8.7 | 5.6 | 6.7 | 5844 |
| 525 | 2 | 290 | 3.3 | 3.1 | -1.1 | 2 | 132 | 2.1 | -1.6 | 1.4 | 2 | 243 | 5.3 | 4.8 | 2.4 | | 189 | 8.0 | 1.2 | 7.9 | 5460 |
| 550 | 2 | 95 | 4.2 | -4.2 | .3 | 2 | 82 | 5.4 | -5.4 | -.7 | 2 | 181 | 11.4 | .2 | 11.4 | | 165 | 8.6 | -2.3 | 8.3 | 5091 |
| 575 | 2 | 101 | 7.6 | -7.5 | 1.5 | 2 | 85 | 10.3 | -10.3 | -1.0 | 2 | 156 | 18.5 | -7.6 | 16.9 | | 143 | 9.3 | -5.6 | 7.4 | 4736 |
| 600 | 2 | 95 | 10.6 | -10.5 | .9 | 2 | 99 | 11.4 | -11.3 | 1.8 | 2 | 161 | 15.9 | -5.2 | 15.0 | | 133 | 12.4 | -9.0 | 8.5 | 4393 |
| 625 | 2 | 114 | 9.6 | -8.8 | 3.8 | 2 | 113 | 10.9 | -10.1 | 4.3 | 2 | 147 | 11.6 | -6.3 | 9.7 | | 135 | 12.3 | -8.7 | 8.7 | 4062 |
| 650 | 2 | 119 | 9.6 | -8.3 | 4.7 | 2 | 116 | 9.7 | -8.7 | 4.3 | 2 | 128 | 12.5 | -9.8 | 7.7 | | 124 | 10.8 | -8.9 | 6.1 | 3742 |
| 675 | 2 | 113 | 12.7 | -11.7 | 4.9 | 2 | 111 | 10.2 | -9.5 | 3.7 | 2 | 129 | 14.2 | -11.0 | 9.0 | | 115 | 10.4 | -9.4 | 4.3 | 3431 |
| 700 | 2 | 117 | 12.1 | -10.8 | 5.5 | 2 | 115 | 11.7 | -10.7 | 4.9 | 2 | 126 | 13.1 | -10.5 | 7.7 | | 116 | 9.9 | -8.9 | 4.3 | 3130 |
| 725 | 2 | 117 | 11.1 | -10.0 | 5.0 | 2 | 117 | 12.2 | -10.9 | 5.5 | 2 | 117 | 9.8 | -8.7 | 4.4 | | 113 | 10.0 | -9.2 | 4.0 | 2837 |
| 750 | 2 | 111 | 12.2 | -11.4 | 4.3 | 2 | 107 | 12.3 | -11.7 | 3.7 | 2 | 102 | 8.4 | -8.2 | 1.8 | | 105 | 11.2 | -10.8 | 2.8 | 2553 |
| 775 | 2 | 101 | 12.2 | -12.0 | 2.2 | 2 | 100 | 12.0 | -11.8 | 2.1 | 2 | 89 | 11.4 | -11.4 | -.2 | | 95 | 11.8 | -11.8 | .9 | 2276 |
| 800 | 2 | 90 | 11.6 | -11.6 | .0 | 2 | 94 | 11.1 | -11.0 | .8 | 2 | 85 | 14.2 | -14.1 | -1.3 | 3 | 87 | 11.2 | -11.2 | -.5 | 2007 |
| 825 | 2 | 86 | 12.0 | -12.0 | -.8 | 3 | 92 | 10.8 | -10.8 | .4 | 2 | 86 | 13.7 | -13.7 | -1.0 | 3 | 83 | 10.9 | -10.8 | -1.4 | 1745 |
| 850 | 2 | 83 | 11.9 | -11.8 | -1.5 | | 96 | 11.0 | -11.0 | 1.2 | | 90 | 14.2 | -14.2 | .1 | | 79 | 11.9 | -11.7 | -2.3 | 1490 |
| 875 | | 78 | 10.0 | -9.8 | -2.0 | | 90 | 10.6 | -10.6 | .0 | | 93 | 15.6 | -15.6 | .7 | | 75 | 13.2 | -12.7 | -3.4 | 1242 |
| 900 | | 72 | 8.9 | -8.4 | -2.7 | | 74 | 10.6 | -10.2 | -2.9 | | 89 | 15.5 | -15.5 | -.2 | | 69 | 13.5 | -12.6 | -4.8 | 999 |
| 925 | | 68 | 8.9 | -8.3 | -3.3 | | 71 | 10.7 | -10.1 | -3.4 | | 80 | 14.0 | -13.7 | -2.4 | | 63 | 13.0 | -11.6 | -6.0 | 762 |
| 950 | | 67 | 11.8 | -10.9 | -4.5 | | 74 | 10.7 | -10.3 | -3.0 | | 73 | 12.5 | -11.9 | -3.8 | | 58 | 12.5 | -10.6 | -6.7 | 529 |
| 975 | | 66 | 12.5 | -11.4 | -5.0 | | 71 | 11.5 | -10.9 | -3.8 | | 70 | 11.2 | -10.5 | -3.8 | | 56 | 12.4 | -10.4 | -6.9 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 1 1248 GMT | | | | 3/ 1 1750 GMT | | | | 3/ 1 2315 GMT | | | | 3/ 2 520 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 270 | 13.5 | 13.5 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 22.2 | 22.1 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 256 | 21.9 | 21.3 | 5.4 | | 268 | 17.3 | 17.3 | .5 | | 268 | 18.8 | 18.8 | .6 | | 272 | 12.2 | 12.2 | -.4 | 18589 |
| 80 | | 247 | 18.3 | 16.8 | 7.2 | | 280 | 17.9 | 17.6 | -3.1 | | 289 | 14.4 | 13.6 | -4.8 | | 289 | 12.3 | 11.6 | -4.1 | 17801 |
| 90 | | 261 | 10.0 | 9.8 | 1.6 | | 263 | 11.6 | 11.5 | 1.4 | | 286 | 12.9 | 12.4 | -3.6 | | 293 | 14.0 | 12.9 | -5.6 | 17121 |
| 100 | | 319 | 15.6 | 10.3 | -11.7 | | 262 | 10.0 | 9.8 | 1.5 | | 298 | 8.6 | 7.6 | -4.1 | | 269 | 18.2 | 18.2 | .2 | 16521 |
| 110 | | 329 | 25.9 | 13.3 | -22.2 | | 324 | 9.7 | 5.8 | -7.8 | | 285 | 11.9 | 11.4 | -3.1 | | 265 | 25.4 | 25.3 | 2.3 | 15978 |
| 120 | | 325 | 27.9 | 16.1 | -22.7 | | 317 | 23.7 | 16.2 | -17.3 | | 316 | 19.2 | 13.4 | -13.8 | | 301 | 16.9 | 14.4 | -8.7 | 15479 |
| 130 | | 308 | 28.7 | 22.8 | -17.5 | | 316 | 24.7 | 17.3 | -17.6 | | 299 | 23.6 | 20.6 | -11.6 | | 309 | 18.3 | 14.3 | -11.5 | 15014 |
| 140 | | 296 | 28.5 | 25.5 | -12.6 | | 299 | 26.1 | 22.7 | -12.8 | | 305 | 21.1 | 17.3 | -12.1 | | 295 | 15.6 | 14.1 | -6.7 | 14578 |
| 150 | | 285 | 29.2 | 28.2 | -7.5 | | 290 | 25.4 | 23.9 | -8.7 | | 293 | 26.0 | 23.9 | -10.3 | | 285 | 14.2 | 13.8 | -3.6 | 14167 |
| 160 | | 271 | 34.2 | 34.2 | -.9 | | 281 | 24.8 | 24.3 | -4.9 | | 277 | 24.3 | 24.1 | -2.9 | | 274 | 19.0 | 18.9 | -1.4 | 13776 |
| 170 | | 262 | 39.0 | 38.6 | 5.5 | | 271 | 27.1 | 27.1 | -.3 | | 268 | 23.3 | 23.3 | .8 | | 263 | 26.7 | 26.5 | 3.2 | 13404 |
| 180 | | 256 | 34.9 | 33.9 | 8.3 | | 262 | 30.4 | 30.1 | 4.3 | | 269 | 30.1 | 30.1 | .7 | | 256 | 29.5 | 28.6 | 7.1 | 13049 |
| 190 | | 253 | 24.2 | 23.2 | 6.9 | | 257 | 29.5 | 28.8 | 6.4 | | 261 | 33.5 | 33.1 | 5.1 | | 253 | 33.8 | 32.3 | 9.7 | 12709 |
| 200 | | 251 | 30.0 | 28.3 | 9.9 | | 255 | 27.4 | 26.5 | 7.2 | | 254 | 32.9 | 31.6 | 9.3 | | 251 | 34.2 | 32.4 | 10.9 | 12383 |
| 225 | | 243 | 34.3 | 30.4 | 15.7 | | 250 | 30.9 | 29.0 | 10.6 | | 244 | 32.8 | 29.5 | 14.4 | | 245 | 28.4 | 25.8 | 11.9 | 11617 |
| 250 | | 239 | 34.7 | 29.7 | 18.1 | | 245 | 27.0 | 24.4 | 11.6 | | 244 | 30.4 | 27.2 | 13.6 | | 245 | 28.9 | 26.1 | 12.4 | 10914 |
| 275 | | 238 | 29.0 | 24.6 | 15.3 | | 239 | 24.0 | 20.5 | 12.4 | | 243 | 30.0 | 26.7 | 13.6 | | 250 | 28.8 | 27.1 | 9.7 | 10262 |
| 300 | | 250 | 25.0 | 23.4 | 8.7 | | 230 | 16.8 | 12.8 | 10.9 | | 241 | 25.9 | 22.7 | 12.4 | | 244 | 27.5 | 24.7 | 12.1 | 9654 |
| 325 | | 255 | 24.1 | 23.2 | 6.4 | | 226 | 16.7 | 12.0 | 11.5 | | 250 | 19.1 | 18.0 | 6.4 | | 253 | 23.4 | 22.4 | 6.8 | 9084 |
| 350 | | 253 | 23.2 | 22.1 | 7.0 | 2 | 241 | 19.0 | 16.6 | 9.2 | | 249 | 22.2 | 20.7 | 7.9 | | 247 | 20.4 | 18.8 | 7.8 | 8546 |
| 375 | | 268 | 19.3 | 19.2 | .8 | | 253 | 18.1 | 17.3 | 5.4 | | 254 | 17.2 | 16.6 | 4.6 | | 250 | 16.2 | 15.1 | 5.7 | 8039 |
| 400 | | 268 | 21.2 | 21.2 | .7 | | 265 | 19.3 | 19.2 | 1.7 | | 267 | 18.0 | 17.9 | 1.0 | | 263 | 14.4 | 14.3 | 1.8 | 7557 |
| 425 | | 273 | 18.1 | 18.1 | -.9 | | 264 | 19.5 | 19.4 | 1.9 | | 277 | 18.6 | 18.5 | -2.3 | | 275 | 19.7 | 19.6 | -1.8 | 7099 |
| 450 | | 261 | 13.1 | 13.0 | 2.0 | | 254 | 16.5 | 15.8 | 4.5 | | 268 | 18.2 | 18.2 | .6 | | 280 | 14.5 | 14.3 | -2.6 | 6662 |
| 475 | | 246 | 9.1 | 8.3 | 3.7 | | 260 | 14.0 | 13.8 | 2.4 | | 274 | 9.3 | 9.2 | -.7 | | 280 | 14.2 | 13.9 | -2.6 | 6244 |
| 500 | | 242 | 12.9 | 11.3 | 6.1 | | 273 | 13.5 | 13.5 | -.7 | | 298 | 11.3 | 10.0 | -5.3 | | 292 | 12.7 | 11.8 | -4.8 | 5844 |
| 525 | | 230 | 13.4 | 10.3 | 8.6 | | 258 | 10.0 | 9.8 | 2.1 | | 283 | 10.5 | 10.3 | -2.4 | | 289 | 9.3 | 8.8 | -3.0 | 5460 |
| 550 | | 219 | 9.7 | 6.1 | 7.6 | | 247 | 7.8 | 7.2 | 3.0 | | 212 | 4.2 | 2.2 | 3.6 | | 290 | 5.1 | 4.8 | -1.7 | 5091 |
| 575 | | 213 | 8.2 | 4.5 | 6.9 | | 306 | 3.7 | 3.0 | -2.2 | | 158 | 4.0 | -1.5 | 3.7 | | 22 | .7 | -.2 | -.6 | 4736 |
| 600 | | 170 | 3.4 | -.6 | 3.4 | | 48 | 3.1 | -2.4 | -2.1 | | 134 | 4.8 | -3.4 | 3.3 | | 140 | 5.4 | -3.4 | 4.2 | 4393 |
| 625 | | 78 | 6.3 | -6.1 | -1.3 | | 95 | 6.4 | -6.4 | .6 | | 168 | 4.7 | -1.0 | 4.6 | | 161 | 4.5 | -1.5 | 4.3 | 4062 |
| 650 | | 72 | 10.1 | -9.6 | -3.2 | | 87 | 9.2 | -9.2 | -.5 | | 178 | 2.7 | -.1 | 2.7 | | 101 | 5.1 | -5.0 | 1.0 | 3742 |
| 675 | | 71 | 11.8 | -11.2 | -3.9 | | 76 | 10.8 | -10.5 | -2.6 | | 99 | 6.1 | -6.1 | 1.0 | | 88 | 9.3 | -9.3 | -.3 | 3431 |
| 700 | | 64 | 11.8 | -10.6 | -5.2 | | 82 | 11.0 | -10.9 | -1.6 | | 87 | 9.6 | -9.6 | -.4 | | 84 | 10.0 | -9.9 | -1.1 | 3130 |
| 725 | | 63 | 10.7 | -9.5 | -4.9 | | 89 | 11.6 | -11.6 | -.2 | | 79 | 9.9 | -9.8 | -1.9 | | 81 | 10.5 | -10.4 | -1.7 | 2837 |
| 750 | | 74 | 10.1 | -9.7 | -2.8 | | 87 | 12.3 | -12.3 | -.7 | | 78 | 10.6 | -10.4 | -2.2 | | 84 | 9.4 | -9.4 | -1.0 | 2553 |
| 775 | | 83 | 11.0 | -10.9 | -1.3 | | 83 | 13.3 | -13.2 | -1.6 | | 76 | 12.1 | -11.8 | -2.9 | | 82 | 10.0 | -9.9 | -1.5 | 2276 |
| 800 | | 81 | 14.3 | -14.1 | -2.3 | | 83 | 13.0 | -12.8 | -1.6 | | 79 | 12.5 | -12.3 | -2.4 | | 79 | 12.2 | -12.0 | -2.4 | 2007 |
| 825 | | 79 | 17.7 | -17.4 | -3.5 | | 85 | 12.2 | -12.1 | -1.0 | | 94 | 12.9 | -12.9 | .8 | | 80 | 12.8 | -12.6 | -2.1 | 1745 |
| 850 | | 80 | 18.2 | -17.9 | -3.3 | | 87 | 13.0 | -13.0 | -.7 | | 99 | 13.5 | -13.3 | 2.2 | | 83 | 11.8 | -11.7 | -1.4 | 1490 |
| 875 | | 80 | 17.0 | -16.7 | -3.0 | | 85 | 13.6 | -13.5 | -1.1 | | 90 | 13.5 | -13.5 | .1 | | 83 | 10.9 | -10.8 | -1.3 | 1242 |
| 900 | | 76 | 15.8 | -15.3 | -3.7 | | 82 | 12.3 | -12.2 | -1.8 | | 81 | 13.5 | -13.3 | -2.1 | | 79 | 11.0 | -10.8 | -2.1 | 999 |
| 925 | | 71 | 14.9 | -14.1 | -4.8 | | 77 | 10.5 | -10.2 | -2.4 | | 74 | 12.5 | -12.0 | -3.4 | | 73 | 10.8 | -10.3 | -3.2 | 762 |
| 950 | | 66 | 13.9 | -12.7 | -5.6 | | 74 | 9.5 | -9.1 | -2.7 | | 68 | 10.3 | -9.5 | -3.8 | | 67 | 9.1 | -8.4 | -3.6 | 529 |
| 975 | | 63 | 12.5 | -11.1 | -5.8 | | 72 | 9.4 | -8.9 | -2.9 | | 65 | 8.2 | -7.5 | -3.5 | | 67 | 7.6 | -7.0 | -3.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 2 1115 GMT | | | | 3/ 2 1750 GMT | | | | 3/ 2 2315 GMT | | | | 3/ 3 530 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 21.5 | 21.0 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 17.9 | 17.9 | -1.4 | | 262 | 13.9 | 13.8 | 1.9 | | 275 | 16.3 | 16.2 | -1.5 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 10.1 | 9.0 | -4.6 | | 291 | 10.9 | 10.2 | -3.8 | | 264 | 10.5 | 10.4 | 1.1 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 16.9 | 16.5 | -4.0 | | 288 | 11.7 | 11.2 | -3.6 | | 303 | 11.6 | 9.7 | -6.4 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 11.9 | 11.5 | -3.0 | | 311 | 12.9 | 9.7 | -8.5 | | 326 | 10.7 | 5.9 | -9.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 320 | 20.3 | 13.0 | -15.5 | | 319 | 25.5 | 16.6 | -19.3 | | 323 | 28.5 | 17.3 | -22.7 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 24.7 | 17.3 | -17.6 | | 329 | 24.6 | 12.8 | -21.1 | | 321 | 16.6 | 10.4 | -13.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 325 | 13.0 | 7.5 | -10.6 | | 327 | 16.4 | 9.0 | -13.7 | | 336 | 13.3 | 5.3 | -12.1 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 326 | 9.8 | 5.5 | -8.1 | | 332 | 13.8 | 6.4 | -12.2 | | 341 | 17.2 | 5.6 | -16.3 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 306 | 13.0 | 10.6 | -7.5 | | 338 | 14.7 | 5.6 | -13.6 | | 342 | 13.4 | 4.2 | -12.7 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 16.5 | 16.5 | -.9 | | 8 | 8.4 | -1.2 | -8.3 | | 336 | 13.9 | 5.7 | -12.7 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 243 | 14.3 | 12.7 | 6.5 | | 357 | 7.9 | .4 | -7.9 | | 349 | 13.5 | 2.7 | -13.2 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 230 | 12.2 | 9.4 | 7.8 | | 304 | 15.5 | 12.8 | -8.7 | | 5 | 13.6 | -1.1 | -13.5 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 238 | 15.0 | 12.8 | 8.0 | | 298 | 13.9 | 12.2 | -6.6 | | 13 | 16.0 | -3.6 | -15.6 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 242 | 17.8 | 15.6 | 8.4 | | 313 | 7.0 | 5.1 | -4.8 | | 18 | 17.5 | -5.5 | -16.7 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 243 | 22.5 | 20.1 | 10.2 | | 264 | 21.6 | 21.4 | 2.3 | | 359 | 9.4 | .1 | -9.4 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 246 | 29.0 | 26.4 | 12.0 | | 255 | 23.0 | 22.2 | 5.8 | | 297 | 16.0 | 14.2 | -7.3 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 237 | 23.1 | 19.3 | 12.7 | | 243 | 30.0 | 26.8 | 13.5 | | 279 | 20.6 | 20.3 | -3.3 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 233 | 21.7 | 17.4 | 13.0 | | 245 | 27.3 | 24.8 | 11.4 | | 269 | 27.5 | 27.5 | .4 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 235 | 20.1 | 16.5 | 11.4 | | 242 | 26.1 | 23.0 | 12.3 | | 263 | 29.0 | 28.8 | 3.4 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 222 | 19.3 | 12.9 | 14.3 | | 243 | 22.8 | 20.3 | 10.5 | | 261 | 30.2 | 29.8 | 4.7 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 225 | 19.0 | 13.5 | 13.4 | | 242 | 22.0 | 19.5 | 10.2 | | 257 | 21.8 | 21.3 | 4.8 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 227 | 18.3 | 13.4 | 12.5 | | 254 | 18.2 | 17.5 | 5.0 | | 262 | 19.5 | 19.3 | 2.8 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 240 | 16.2 | 14.1 | 8.0 | | 230 | 10.8 | 8.4 | 6.9 | | 267 | 19.1 | 19.1 | 1.1 | 7099 |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 18.3 | 18.2 | .9 | | 246 | 12.9 | 11.7 | 5.3 | | 266 | 17.2 | 17.2 | 1.1 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 17.3 | 17.1 | -2.8 | | 260 | 13.4 | 13.2 | 2.3 | | 267 | 16.4 | 16.4 | .9 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 19.2 | 18.8 | -3.8 | | 280 | 16.8 | 16.5 | -2.9 | | 279 | 14.7 | 14.5 | -2.2 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 14.9 | 14.2 | -4.5 | | 288 | 17.8 | 16.9 | -5.6 | | 300 | 13.3 | 11.5 | -6.6 | 5460 |
| 550 | | 70 | 6.1 | -5.7 | -2.1 | | 287 | 10.8 | 10.4 | -3.2 | | 296 | 13.0 | 11.6 | -5.8 | | 312 | 13.3 | 9.8 | -8.9 | 5091 |
| 575 | | 294 | 4.4 | 4.0 | -1.8 | | 279 | 7.9 | 7.8 | -1.3 | | 300 | 8.6 | 7.4 | -4.3 | | 328 | 9.3 | 4.9 | -7.9 | 4736 |
| 600 | | 47 | 2.9 | -2.1 | -2.0 | | 292 | 3.6 | 3.3 | -1.4 | | 296 | 6.0 | 5.4 | -2.6 | | 325 | 6.6 | 3.8 | -5.4 | 4393 |
| 625 | | 82 | 4.0 | -4.0 | -.6 | | 17 | 3.9 | -1.1 | -3.7 | | 295 | 3.8 | 3.4 | -1.6 | | 330 | 2.7 | 1.4 | -2.3 | 4062 |
| 650 | | 91 | 5.0 | -5.0 | .1 | | 26 | 5.8 | -2.5 | -5.2 | | 21 | 8.0 | -2.9 | -7.5 | | 17 | 4.2 | -1.2 | -4.1 | 3742 |
| 675 | | 87 | 6.8 | -6.8 | -.4 | | 15 | 6.6 | -1.7 | -6.3 | | | | | | | 27 | 6.8 | -3.0 | -6.0 | 3431 |
| 700 | | 83 | 8.9 | -8.8 | -1.1 | | 21 | 7.8 | -2.8 | -7.2 | 0 | 39 | 7.5 | -4.7 | -5.8 | | 49 | 8.1 | -6.1 | -5.4 | 3130 |
| 725 | | 82 | 10.4 | -10.3 | -1.5 | | 46 | 10.1 | -7.2 | -7.0 | 0 | 35 | 5.9 | -3.4 | -4.8 | | 60 | 9.8 | -8.5 | -4.8 | 2837 |
| 750 | | 81 | 11.3 | -11.1 | -1.8 | | 55 | 12.1 | -9.9 | -7.0 | 0 | 43 | 5.5 | -3.8 | -4.1 | | 64 | 9.8 | -8.8 | -4.3 | 2553 |
| 775 | | 79 | 11.1 | -10.9 | -2.2 | | 57 | 11.3 | -9.4 | -6.2 | 0 | 58 | 5.9 | -5.1 | -3.1 | | 73 | 8.9 | -8.5 | -2.6 | 2276 |
| 800 | 3 | 77 | 10.7 | -10.4 | -2.4 | | 61 | 9.4 | -8.2 | -4.5 | 1 | 74 | 6.2 | -6.0 | -1.7 | | 76 | 8.4 | -8.1 | -2.0 | 2007 |
| 825 | 3 | 74 | 11.8 | -11.4 | -3.2 | | 70 | 8.3 | -7.8 | -2.9 | 3 | 78 | 7.2 | -7.1 | -1.4 | | 72 | 7.2 | -6.9 | -2.2 | 1745 |
| 850 | | 72 | 13.6 | -13.0 | -4.1 | | 81 | 8.3 | -8.2 | -1.3 | | 74 | 8.4 | -8.1 | -2.3 | | 74 | 6.0 | -5.8 | -1.6 | 1490 |
| 875 | | 71 | 13.4 | -12.6 | -4.5 | | 85 | 8.5 | -8.4 | -.8 | | 82 | 7.6 | -7.5 | -1.1 | | 86 | 6.1 | -6.1 | -.4 | 1242 |
| 900 | | 68 | 12.2 | -11.3 | -4.6 | | 84 | 8.5 | -8.5 | -.9 | | 94 | 7.1 | -7.1 | .5 | | 90 | 7.0 | -7.0 | -.0 | 999 |
| 925 | | 65 | 11.7 | -10.7 | -4.9 | | 86 | 8.7 | -8.7 | -.6 | | 95 | 7.1 | -7.1 | .7 | | 87 | 7.5 | -7.4 | -.4 | 762 |
| 950 | | 64 | 11.3 | -10.1 | -5.0 | | 92 | 9.1 | -9.1 | .3 | | 97 | 6.5 | -6.5 | .8 | | 86 | 6.9 | -6.9 | -.5 | 529 |
| 975 | | 62 | 10.0 | -8.8 | -4.8 | | 97 | 9.3 | -9.2 | 1.1 | | 116 | 7.6 | -6.8 | 3.3 | | 90 | 5.2 | -5.2 | .0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 3 1130 GMT | | | | 3/ 3 15 0 GMT | | | | 3/ 3 18 0 GMT | | | | 3/ 3 2043 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 262 | 22.3 | 22.1 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 284 | 23.1 | 22.4 | -5.7 | 0 0 | 0.0 | 0.0 | 0.0 | 263 | 15.2 | 15.1 | 1.8 | 268 | 15.6 | 15.6 | .5 | 18589 |
| 80 | 273 | 15.2 | 15.2 | -.7 | 0 0 | 0.0 | 0.0 | 0.0 | 311 | 12.3 | 9.3 | -8.1 | 292 | 7.1 | 6.6 | -2.6 | 17801 |
| 90 | 312 | 7.8 | 5.8 | -5.2 | 0 0 | 0.0 | 0.0 | 0.0 | 308 | 3.8 | 3.0 | -2.3 | 306 | 5.8 | 4.7 | -3.4 | 17121 |
| 100 | 310 | 1.3 | 1.0 | -.8 | 352 | 9.3 | 1.2 | -9.2 | 356 | 18.3 | 1.2 | -18.2 | 6 | 18.5 | -1.8 | -18.4 | 16521 |
| 110 | 338 | 17.9 | 6.7 | -16.6 | 351 | 16.7 | 2.5 | -16.5 | 358 | 19.0 | .8 | -19.0 | 7 | 19.0 | -2.4 | -18.8 | 15978 |
| 120 | 328 | 11.9 | 6.2 | -10.1 | 348 | 17.1 | 3.4 | -16.8 | 8 | 22.6 | -3.2 | -22.4 | 8 | 17.3 | -2.4 | -17.1 | 15479 |
| 130 | 355 | 16.2 | 1.5 | -16.2 | 11 | 17.5 | -3.3 | -17.2 | 6 | 14.5 | -1.4 | -14.5 | 11 | 20.3 | -3.8 | -20.0 | 15014 |
| 140 | 9 | 18.4 | -2.9 | -18.1 | 347 | 17.0 | 3.9 | -16.6 | 358 | 14.5 | .4 | -14.5 | 353 | 16.9 | 2.2 | -16.8 | 14578 |
| 150 | 350 | 17.4 | 3.1 | -17.2 | 334 | 17.3 | 7.7 | -15.5 | 349 | 14.6 | 2.7 | -14.4 | 343 | 15.0 | 4.3 | -14.3 | 14167 |
| 160 | 353 | 19.0 | 2.2 | -18.9 | 344 | 15.2 | 4.1 | -14.6 | 351 | 16.2 | 2.6 | -16.0 | 360 | 13.4 | .1 | -13.4 | 13776 |
| 170 | 354 | 14.5 | 1.6 | -14.4 | 8 | 16.0 | -2.2 | -15.8 | 359 | 16.2 | .4 | -16.2 | 3 | 14.8 | -.8 | -14.8 | 13404 |
| 180 | 0 | 17.6 | -.0 | -17.6 | 14 | 17.0 | -4.0 | -16.6 | 1 | 15.1 | -.2 | -15.1 | 356 | 15.6 | 1.1 | -15.6 | 13049 |
| 190 | 9 | 20.1 | -3.1 | -19.8 | 7 | 17.7 | -2.0 | -17.6 | 2 | 14.2 | -.4 | -14.2 | 359 | 14.9 | .3 | -14.9 | 12709 |
| 200 | 9 | 22.1 | -3.5 | -21.8 | 6 | 17.8 | -1.8 | -17.7 | 4 | 14.0 | -.9 | -14.0 | 0 | 13.2 | -.1 | -13.2 | 12383 |
| 225 | 12 | 16.2 | -3.5 | -15.8 | 1 | 13.6 | -.3 | -13.6 | 7 | 12.6 | -1.5 | -12.5 | 1 | 9.9 | -.2 | -9.9 | 11617 |
| 250 | 354 | 9.0 | .9 | -8.9 | 355 | 11.8 | 1.0 | -11.7 | 354 | 12.7 | 1.3 | -12.6 | 339 | 11.2 | 4.0 | -10.4 | 10914 |
| 275 | 307 | 15.4 | 12.2 | -9.3 | 307 | 13.8 | 11.1 | -8.2 | 326 | 11.5 | 6.4 | -9.5 | 331 | 11.4 | 5.4 | -10.0 | 10262 |
| 300 | 315 | 13.6 | 9.6 | -9.6 | 316 | 12.9 | 9.0 | -9.2 | 314 | 12.7 | 9.1 | -8.8 | 327 | 12.8 | 7.0 | -10.7 | 9654 |
| 325 | 294 | 11.7 | 10.7 | -4.8 | 314 | 17.9 | 12.8 | -12.5 | 323 | 15.3 | 9.2 | -12.2 | 328 | 13.8 | 7.3 | -11.7 | 9084 |
| 350 | 283 | 14.7 | 14.4 | -3.4 | 329 | 13.6 | 7.1 | -11.7 | 341 | 15.9 | 5.2 | -15.0 | 332 | 16.1 | 7.5 | -14.2 | 8546 |
| 375 | 277 | 18.3 | 18.2 | -2.3 | 298 | 7.8 | 6.9 | -3.7 | 316 | 10.9 | 7.5 | -7.8 | 326 | 9.3 | 5.2 | -7.7 | 8039 |
| 400 | 276 | 21.3 | 21.2 | -2.1 | 286 | 12.4 | 11.9 | -3.5 | 292 | 10.0 | 9.3 | -3.8 | 272 | 9.0 | 9.0 | -.3 | 7557 |
| 425 | 265 | 23.5 | 23.4 | 2.2 | 277 | 18.9 | 18.8 | -2.2 | 284 | 12.5 | 12.2 | -3.0 | 275 | 11.5 | 11.5 | -1.0 | 7099 |
| 450 | 272 | 18.6 | 18.6 | -.6 | 266 | 18.0 | 18.0 | 1.2 | 280 | 16.8 | 16.6 | -2.9 | 281 | 16.7 | 16.4 | -3.3 | 6662 |
| 475 | 275 | 17.2 | 17.1 | -1.6 | 275 | 16.9 | 16.8 | -1.5 | 278 | 15.2 | 15.0 | -2.0 | 276 | 16.4 | 16.3 | -1.7 | 6244 |
| 500 | 271 | 14.2 | 14.2 | -.3 | 279 | 14.8 | 14.6 | -2.3 | 293 | 14.6 | 13.4 | -5.8 | 281 | 13.8 | 13.6 | -2.6 | 5844 |
| 525 | 293 | 13.4 | 12.3 | -5.3 | 294 | 11.7 | 10.7 | -4.7 | 298 | 15.3 | 13.4 | -7.2 | 290 | 15.4 | 14.4 | -5.2 | 5460 |
| 550 | 284 | 7.8 | 7.6 | -1.9 | 2 311 | 10.0 | 7.6 | -6.5 | 300 | 13.6 | 11.9 | -6.7 | 290 | 13.9 | 13.0 | -4.8 | 5091 |
| 575 | 288 | 8.2 | 7.8 | -2.5 | 0 319 | 9.2 | 6.0 | -6.9 | 319 | 10.0 | 6.6 | -7.6 | 297 | 9.7 | 8.7 | -4.4 | 4736 |
| 600 | 300 | 9.0 | 7.8 | -4.5 | 0 327 | 7.9 | 4.2 | -6.6 | 357 | 6.3 | .3 | -6.3 | 311 | 5.9 | 4.4 | -3.9 | 4393 |
| 625 | 320 | 8.8 | 5.6 | -6.7 | 0 337 | 6.4 | 2.5 | -5.9 | 11 | 5.6 | -1.1 | -5.5 | 341 | 5.0 | 1.7 | -4.7 | 4062 |
| 650 | 347 | 7.0 | 1.6 | -6.8 | 0 1 | 5.2 | -.1 | -5.2 | 22 | 6.6 | -2.5 | -6.1 | 359 | 5.0 | .1 | -5.0 | 3742 |
| 675 | 23 | 5.0 | -2.0 | -4.6 | 0 36 | 5.5 | -3.3 | -4.5 | 36 | 7.7 | -4.6 | -6.2 | 19 | 5.7 | -1.8 | -5.4 | 3431 |
| 700 | 54 | 5.8 | -4.7 | -3.4 | 0 61 | 7.1 | -6.3 | -3.4 | 48 | 7.7 | -5.8 | -5.1 | 42 | 7.1 | -4.7 | -5.2 | 3130 |
| 725 | 74 | 8.3 | -8.0 | -2.3 | 0 76 | 8.9 | -8.7 | -2.1 | 68 | 7.6 | -7.0 | -2.9 | 55 | 7.3 | -6.0 | -4.1 | 2837 |
| 750 | 86 | 9.9 | -9.8 | -.7 | 2 85 | 10.3 | -10.3 | -.8 | 82 | 8.1 | -8.0 | -1.1 | 68 | 7.1 | -6.6 | -2.7 | 2553 |
| 775 | 87 | 9.8 | -9.8 | -.5 | 90 | 10.4 | -10.4 | .0 | 86 | 8.4 | -8.4 | -.6 | 85 | 7.2 | -7.1 | -.6 | 2276 |
| 800 | 84 | 9.8 | -9.7 | -1.0 | 93 | 9.4 | -9.4 | .5 | 89 | 7.7 | -7.7 | -.1 | 96 | 7.6 | -7.6 | .9 | 2007 |
| 825 | 90 | 9.8 | -9.8 | -.1 | 94 | 8.3 | -8.3 | .6 | 95 | 6.6 | -6.6 | .6 | 95 | 7.3 | -7.2 | .6 | 1745 |
| 850 | 99 | 9.1 | -8.9 | 1.5 | 101 | 7.7 | -7.5 | 1.4 | 100 | 6.0 | -5.9 | 1.1 | 101 | 5.8 | -5.7 | 1.1 | 1490 |
| 875 | 105 | 7.7 | -7.4 | 2.1 | 109 | 7.7 | -7.3 | 2.6 | 106 | 6.0 | -5.7 | 1.7 | 114 | 5.7 | -5.2 | 2.3 | 1242 |
| 900 | 106 | 6.7 | -6.4 | 1.9 | 107 | 7.6 | -7.3 | 2.3 | 113 | 6.2 | -5.7 | 2.4 | 113 | 6.0 | -5.5 | 2.3 | 999 |
| 925 | 115 | 6.6 | -6.0 | 2.8 | 99 | 6.8 | -6.7 | 1.0 | 113 | 6.2 | -5.7 | 2.5 | 108 | 5.3 | -5.1 | 1.7 | 762 |
| 950 | 128 | 6.4 | -5.1 | 3.9 | 93 | 5.1 | -5.1 | .3 | 108 | 6.2 | -5.9 | 1.9 | 106 | 4.5 | -4.4 | 1.3 | 529 |
| 975 | 140 | 4.9 | -3.2 | 3.8 | 110 | 3.0 | -2.8 | 1.0 | 99 | 6.2 | -6.1 | 1.0 | 105 | 4.2 | -4.0 | 1.1 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 3 2332 GMT | | | | 3/ 4 3 0 GMT | | | | 3/ 4 515 GMT | | | | 3/ 4 9 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 14.0 | 13.8 | 2.3 | | 264 | 11.4 | 11.3 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 7.0 | 6.0 | -3.7 | | 332 | 3.7 | 1.8 | -3.3 | | 241 | 5.3 | 4.6 | 2.6 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 341 | 10.4 | 3.3 | -9.8 | | 18 | 6.1 | -1.9 | -5.8 | | 11 | 10.6 | -2.0 | -10.4 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 13 | 14.5 | -3.3 | -14.2 | | 12 | 18.3 | -3.8 | -17.9 | | 10 | 19.1 | -3.4 | -18.8 | 16521 |
| 110 | | 350 | 15.5 | 2.8 | -15.2 | | 5 | 11.5 | -1.0 | -11.4 | | 349 | 14.7 | 2.9 | -14.4 | | 343 | 6.8 | 2.0 | -6.6 | 15978 |
| 120 | | 7 | 16.5 | -2.1 | -16.4 | | 9 | 13.0 | -2.0 | -12.8 | | 349 | 7.3 | 1.4 | -7.2 | | 343 | 10.8 | 3.1 | -10.4 | 15479 |
| 130 | | 17 | 14.2 | -4.3 | -13.6 | | 354 | 15.3 | 1.7 | -15.2 | | 342 | 13.9 | 4.4 | -13.2 | | 339 | 11.3 | 4.0 | -10.6 | 15014 |
| 140 | | 342 | 20.2 | 6.1 | -19.2 | | 347 | 13.6 | 3.2 | -13.2 | | 345 | 9.3 | 2.4 | -9.0 | | 325 | 9.9 | 5.7 | -8.1 | 14578 |
| 150 | | 344 | 13.4 | 3.6 | -12.9 | | 355 | 10.4 | .8 | -10.4 | | 347 | 8.8 | 2.0 | -8.6 | | 337 | 8.7 | 3.5 | -8.0 | 14167 |
| 160 | | 1 | 14.2 | -.2 | -14.2 | | 360 | 12.7 | .0 | -12.7 | | 350 | 10.3 | 1.7 | -10.1 | | 340 | 9.6 | 3.3 | -9.0 | 13776 |
| 170 | | 358 | 15.4 | .4 | -15.3 | | 360 | 13.8 | .0 | -13.8 | | 357 | 11.4 | .7 | -11.4 | | 339 | 10.5 | 3.7 | -9.8 | 13404 |
| 180 | | 356 | 14.0 | 1.1 | -13.9 | | 357 | 13.7 | .7 | -13.6 | | 353 | 13.1 | 1.7 | -13.0 | | 340 | 10.8 | 3.8 | -10.1 | 13049 |
| 190 | | 356 | 12.6 | .9 | -12.6 | | 350 | 14.0 | 2.4 | -13.8 | | 347 | 14.4 | 3.2 | -14.0 | | 338 | 10.6 | 3.9 | -9.8 | 12709 |
| 200 | | 358 | 11.0 | .3 | -11.0 | | 345 | 12.4 | 3.3 | -12.0 | | 344 | 13.4 | 3.7 | -12.8 | | 331 | 10.4 | 5.0 | -9.1 | 12383 |
| 225 | | 344 | 7.6 | 2.1 | -7.3 | | 320 | 7.5 | 4.8 | -5.7 | | 327 | 10.5 | 5.8 | -8.8 | | 300 | 10.9 | 9.5 | -5.4 | 11617 |
| 250 | | 322 | 12.3 | 7.6 | -9.8 | | 308 | 9.8 | 7.7 | -6.1 | | 320 | 9.4 | 6.0 | -7.2 | | 297 | 9.2 | 8.2 | -4.1 | 10914 |
| 275 | | 324 | 11.0 | 6.5 | -8.9 | | 318 | 12.0 | 8.1 | -8.9 | | 322 | 9.8 | 6.0 | -7.8 | | 304 | 10.6 | 8.8 | -6.0 | 10262 |
| 300 | | 326 | 11.1 | 6.2 | -9.3 | | 333 | 10.2 | 4.7 | -9.0 | | 338 | 9.0 | 3.3 | -8.3 | | 323 | 9.5 | 5.6 | -7.6 | 9654 |
| 325 | | 326 | 12.3 | 6.8 | -10.3 | | 329 | 10.6 | 5.5 | -9.1 | | 319 | 10.1 | 6.7 | -7.6 | | 312 | 8.4 | 6.3 | -5.6 | 9084 |
| 350 | | 328 | 16.2 | 8.5 | -13.8 | | 327 | 13.4 | 7.4 | -11.2 | | 323 | 12.7 | 7.6 | -10.2 | | 319 | 10.9 | 7.1 | -8.2 | 8546 |
| 375 | | 333 | 7.3 | 3.3 | -6.5 | | 336 | 6.1 | 2.5 | -5.6 | | 356 | 9.5 | .6 | -9.5 | | 340 | 9.6 | 3.3 | -9.0 | 8039 |
| 400 | | 276 | 7.2 | 7.1 | -.8 | | 282 | 5.1 | 5.0 | -1.0 | | 313 | 2.8 | 2.1 | -1.9 | | 19 | 9.3 | -3.0 | -8.8 | 7557 |
| 425 | | 281 | 10.2 | 10.0 | -2.0 | | 296 | 9.3 | 8.3 | -4.1 | | 304 | 7.2 | 6.0 | -4.0 | | 355 | 3.9 | .3 | -3.9 | 7099 |
| 450 | | 284 | 16.3 | 15.8 | -3.9 | | 291 | 12.8 | 11.9 | -4.6 | | 289 | 11.3 | 10.7 | -3.6 | | 289 | 9.7 | 9.2 | -3.2 | 6662 |
| 475 | | 279 | 16.8 | 16.6 | -2.6 | | 287 | 13.7 | 13.0 | -4.0 | | 281 | 13.3 | 13.1 | -2.5 | | 293 | 11.4 | 10.6 | -4.4 | 6244 |
| 500 | | 288 | 12.5 | 11.9 | -3.8 | | 285 | 12.6 | 12.2 | -3.3 | | 290 | 12.4 | 11.6 | -4.2 | | 296 | 11.0 | 9.8 | -4.8 | 5844 |
| 525 | | 291 | 13.3 | 12.4 | -4.8 | | 287 | 14.9 | 14.2 | -4.5 | | 287 | 8.1 | 7.8 | -2.4 | | 302 | 9.4 | 7.9 | -5.0 | 5460 |
| 550 | | 297 | 14.2 | 12.7 | -6.3 | | 287 | 11.6 | 11.1 | -3.5 | | 301 | 7.4 | 6.3 | -3.8 | | 309 | 6.7 | 5.2 | -4.2 | 5091 |
| 575 | | 296 | 11.3 | 10.2 | -5.0 | | 294 | 7.9 | 7.2 | -3.2 | | 319 | 6.7 | 4.4 | -5.1 | | 330 | 7.1 | 3.6 | -6.1 | 4736 |
| 600 | | 305 | 7.7 | 6.3 | -4.4 | | 302 | 6.8 | 5.8 | -3.5 | | 344 | 4.5 | 1.2 | -4.3 | | 351 | 5.7 | .8 | -5.7 | 4393 |
| 625 | | 334 | 6.1 | 2.7 | -5.5 | | 329 | 4.3 | 2.2 | -3.7 | | 357 | 4.9 | .3 | -4.9 | | 22 | 5.5 | -2.1 | -5.1 | 4062 |
| 650 | | 0 | 5.3 | -.0 | -5.3 | | 5 | 4.7 | -.4 | -4.6 | | 25 | 4.8 | -2.0 | -4.3 | | 25 | 4.9 | -2.1 | -4.4 | 3742 |
| 675 | | 28 | 4.8 | -2.2 | -4.2 | | 33 | 5.8 | -3.1 | -4.9 | | 44 | 6.0 | -4.2 | -4.3 | | 36 | 5.0 | -3.0 | -4.0 | 3431 |
| 700 | | 50 | 5.7 | -4.3 | -3.7 | | 52 | 7.0 | -5.5 | -4.3 | | 65 | 8.2 | -7.5 | -3.5 | | 68 | 6.2 | -5.8 | -2.3 | 3130 |
| 725 | | 63 | 6.0 | -5.3 | -2.7 | | 65 | 6.9 | -6.3 | -2.9 | | 80 | 8.7 | -8.5 | -1.5 | | 92 | 7.7 | -7.7 | .2 | 2837 |
| 750 | | 80 | 8.1 | -7.9 | -1.5 | | 71 | 6.1 | -5.8 | -2.0 | | 82 | 6.9 | -6.8 | -.9 | | 103 | 7.6 | -7.4 | 1.8 | 2553 |
| 775 | | 84 | 9.1 | -9.0 | -.9 | | 79 | 5.8 | -5.7 | -1.1 | | 78 | 6.8 | -6.7 | -1.5 | | 106 | 6.7 | -6.4 | 1.8 | 2276 |
| 800 | | 75 | 7.3 | -7.0 | -1.9 | | 92 | 5.6 | -5.6 | .2 | | 78 | 6.8 | -6.7 | -1.4 | | 105 | 6.7 | -6.4 | 1.7 | 2007 |
| 825 | | 71 | 6.2 | -5.8 | -2.0 | | 103 | 5.0 | -4.9 | 1.1 | | 86 | 5.9 | -5.9 | -.4 | | 104 | 6.7 | -6.5 | 1.6 | 1745 |
| 850 | | 81 | 5.7 | -5.6 | -.9 | | 98 | 4.8 | -4.8 | .7 | | 93 | 5.0 | -5.0 | .3 | | 97 | 6.8 | -6.7 | .8 | 1490 |
| 875 | | 100 | 5.3 | -5.2 | .9 | | 87 | 5.8 | -5.8 | -.3 | | 87 | 5.0 | -5.0 | -.3 | | 87 | 7.2 | -7.2 | -.3 | 1242 |
| 900 | | 118 | 5.3 | -4.7 | 2.5 | | 89 | 6.7 | -6.7 | -.1 | | 88 | 6.0 | -6.0 | -.2 | | 82 | 7.1 | -7.1 | -.9 | 999 |
| 925 | | 124 | 5.5 | -4.6 | 3.1 | | 99 | 6.9 | -6.8 | 1.1 | | 102 | 5.5 | -5.4 | 1.2 | | 79 | 6.9 | -6.8 | -1.3 | 762 |
| 950 | | 125 | 5.1 | -4.2 | 2.9 | | 111 | 6.9 | -6.4 | 2.4 | | 106 | 4.5 | -4.4 | 1.2 | | 71 | 7.4 | -7.0 | -2.4 | 529 |
| 975 | | 123 | 3.4 | -2.9 | 1.8 | | 106 | 5.5 | -5.3 | 1.5 | | 93 | 4.1 | -4.1 | .2 | | 63 | 8.1 | -7.2 | -3.8 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 4 1130 GMT | | | | 3/ 4 18 0 GMT | | | | 3/ 4 2335 GMT | | | | 3/ 5 535 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 269 | 21.9 | 21.9 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 19.2 | 19.2 | .2 | | 268 | 17.4 | 17.4 | .7 | 19517 |
| 70 | 0 | 231 | 11.4 | 8.9 | 7.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 19.4 | 18.2 | 6.8 | | 269 | 16.3 | 16.3 | .4 | 18589 |
| 80 | 0 | 323 | 6.1 | 3.7 | -4.8 | | | | | | | 245 | 1.9 | 1.7 | .8 | | 234 | 8.0 | 6.5 | 4.7 | 17801 |
| 90 | 1 | 348 | 15.4 | 3.2 | -15.0 | | | | | | | 65 | 2.4 | -2.2 | -1.0 | | 132 | 2.9 | -2.1 | 1.9 | 17121 |
| 100 | 3 | 354 | 16.7 | 1.8 | -16.6 | | 14 | 15.0 | -3.6 | -14.6 | | 2 | 6.7 | -.2 | -6.7 | | 328 | 4.4 | 2.3 | -3.8 | 16521 |
| 110 | | 344 | 10.8 | 3.0 | -10.4 | | 344 | 19.6 | 5.3 | -18.9 | | 317 | 7.9 | 5.4 | -5.8 | | 281 | 5.0 | 4.9 | -.9 | 15978 |
| 120 | | 339 | 10.0 | 3.6 | -9.3 | | 342 | 13.3 | 4.0 | -12.6 | | 345 | 7.0 | 1.8 | -6.7 | | 320 | 3.5 | 2.3 | -2.7 | 15479 |
| 130 | | 336 | 10.8 | 4.4 | -9.8 | | 343 | 11.3 | 3.3 | -10.8 | | 353 | 6.8 | .8 | -6.8 | | 330 | 4.6 | 2.3 | -4.0 | 15014 |
| 140 | | 334 | 10.8 | 4.7 | -9.7 | | 320 | 8.5 | 5.5 | -6.5 | | 348 | 7.9 | 1.6 | -7.7 | | 318 | 5.3 | 3.5 | -4.0 | 14578 |
| 150 | | 333 | 10.3 | 4.7 | -9.1 | | 352 | 8.5 | 1.1 | -8.4 | | 350 | 9.5 | 1.6 | -9.3 | | 339 | 4.3 | 1.5 | -4.0 | 14167 |
| 160 | | 338 | 10.7 | 3.9 | -9.9 | | 335 | 4.2 | 1.8 | -3.8 | | 342 | 9.7 | 3.0 | -9.2 | | 305 | 9.4 | 7.7 | -5.4 | 13776 |
| 170 | | 330 | 10.6 | 5.2 | -9.2 | | 341 | 12.2 | 3.9 | -11.6 | | 321 | 13.4 | 8.5 | -10.3 | | 295 | 10.3 | 9.3 | -4.3 | 13404 |
| 180 | | 327 | 10.6 | 5.8 | -8.9 | | 321 | 12.6 | 7.9 | -9.8 | | 303 | 12.0 | 10.0 | -6.5 | | 305 | 10.3 | 8.5 | -5.9 | 13049 |
| 190 | | 325 | 10.2 | 5.9 | -8.3 | | 284 | 8.5 | 8.2 | -2.1 | | 292 | 9.1 | 8.4 | -3.4 | | 292 | 12.6 | 11.7 | -4.7 | 12709 |
| 200 | | 315 | 10.8 | 7.7 | -7.6 | | 314 | 6.8 | 4.9 | -4.7 | | 296 | 10.0 | 9.0 | -4.4 | | 290 | 14.9 | 14.0 | -5.2 | 12383 |
| 225 | | 295 | 11.2 | 10.2 | -4.7 | | 312 | 14.1 | 10.6 | -9.4 | | 291 | 16.6 | 15.4 | -6.0 | | 300 | 19.6 | 17.0 | -9.7 | 11617 |
| 250 | | 298 | 9.2 | 8.2 | -4.3 | | 299 | 16.0 | 14.0 | -7.7 | | 297 | 18.4 | 16.4 | -8.4 | | 294 | 19.8 | 18.1 | -8.2 | 10914 |
| 275 | | 300 | 11.4 | 9.9 | -5.7 | | 294 | 14.1 | 12.9 | -5.8 | | 300 | 15.4 | 13.3 | -7.7 | | 300 | 16.9 | 14.5 | -8.5 | 10262 |
| 300 | | 311 | 9.9 | 7.5 | -6.5 | | 298 | 13.4 | 11.8 | -6.4 | | 298 | 14.5 | 12.8 | -6.8 | | 307 | 14.2 | 11.3 | -8.5 | 9654 |
| 325 | | 323 | 9.3 | 5.6 | -7.4 | | 311 | 10.9 | 8.2 | -7.1 | | 296 | 11.6 | 10.4 | -5.1 | | 306 | 10.2 | 8.3 | -6.0 | 9084 |
| 350 | | 307 | 10.0 | 8.0 | -6.0 | | 330 | 6.3 | 3.2 | -5.4 | | 318 | 8.4 | 5.7 | -6.3 | | 322 | 4.5 | 2.8 | -3.6 | 8546 |
| 375 | | 334 | 9.8 | 4.3 | -8.8 | | 349 | 4.6 | .9 | -4.5 | | 326 | 5.6 | 3.2 | -4.7 | | 3 | 2.6 | -.1 | -2.6 | 8039 |
| 400 | | 8 | 8.5 | -1.1 | -8.4 | | 356 | 1.6 | .1 | -1.6 | | 47 | 3.9 | -2.9 | -2.6 | | 4 | 1.6 | -.1 | -1.6 | 7557 |
| 425 | | 350 | 3.4 | .6 | -3.3 | | 14 | 1.0 | -.2 | -.9 | | 76 | 1.6 | -1.6 | -.4 | | 183 | 1.8 | .1 | 1.8 | 7099 |
| 450 | | 278 | 9.2 | 9.1 | -1.2 | | 219 | 3.2 | 2.0 | 2.4 | | 125 | 3.0 | -2.5 | 1.7 | | 220 | 1.5 | 1.0 | 1.1 | 6662 |
| 475 | | 279 | 11.9 | 11.8 | -1.8 | | 113 | 1.5 | -1.4 | .6 | | 203 | .7 | .3 | .7 | | 10 | 3.8 | -.6 | -3.7 | 6244 |
| 500 | | 287 | 8.4 | 8.0 | -2.5 | | 37 | 1.9 | -1.1 | -1.5 | | 289 | 6.6 | 6.2 | -2.2 | | 326 | 5.3 | 2.9 | -4.4 | 5844 |
| 525 | | 289 | 5.4 | 5.1 | -1.8 | | 22 | 4.3 | -1.6 | -4.0 | | 307 | 7.2 | 5.7 | -4.4 | | 319 | 7.2 | 4.7 | -5.4 | 5460 |
| 550 | | 319 | 4.7 | 3.1 | -3.5 | | 10 | 6.6 | -1.2 | -6.5 | | 320 | 5.9 | 3.8 | -4.5 | | 314 | 8.5 | 6.1 | -5.9 | 5091 |
| 575 | | 328 | 7.2 | 3.8 | -6.1 | | 6 | 6.5 | -.7 | -6.5 | | 324 | 3.8 | 2.2 | -3.1 | | 333 | 8.4 | 3.8 | -7.5 | 4736 |
| 600 | | 331 | 6.6 | 3.2 | -5.8 | | 8 | 7.3 | -1.0 | -7.2 | | 40 | 4.6 | -3.0 | -3.5 | | 27 | 5.2 | -2.3 | -4.6 | 4393 |
| 625 | | 23 | 4.8 | -1.9 | -4.4 | | 18 | 7.8 | -2.4 | -7.4 | | 50 | 7.1 | -5.5 | -4.6 | | 68 | 7.9 | -7.3 | -2.9 | 4062 |
| 650 | | 40 | 5.9 | -3.8 | -4.5 | | 32 | 8.3 | -4.3 | -7.1 | | 51 | 8.6 | -6.6 | -5.4 | | 68 | 8.1 | -7.5 | -3.0 | 3742 |
| 675 | | 33 | 5.0 | -2.7 | -4.2 | | 38 | 8.8 | -5.4 | -7.0 | | 60 | 6.7 | -5.7 | -3.4 | | 65 | 8.4 | -7.6 | -3.6 | 3431 |
| 700 | | 56 | 5.2 | -4.3 | -2.9 | | 62 | 8.5 | -7.5 | -4.0 | | 71 | 6.9 | -6.5 | -2.3 | | 79 | 10.0 | -9.8 | -1.9 | 3130 |
| 725 | | 72 | 7.6 | -7.2 | -2.4 | | 78 | 11.3 | -11.1 | -2.4 | | 69 | 10.2 | -9.5 | -3.6 | | 79 | 8.9 | -8.8 | -1.6 | 2837 |
| 750 | | 82 | 9.1 | -9.0 | -1.2 | | 81 | 14.5 | -14.3 | -2.3 | | 75 | 10.2 | -9.9 | -2.6 | | 85 | 8.9 | -8.9 | -.8 | 2553 |
| 775 | | 90 | 7.4 | -7.4 | .0 | | 84 | 13.3 | -13.3 | -1.3 | | 80 | 9.1 | -8.9 | -1.6 | | 87 | 9.5 | -9.5 | -.4 | 2276 |
| 800 | | 92 | 5.2 | -5.2 | .2 | | 88 | 12.2 | -12.2 | -.4 | | 83 | 8.0 | -7.9 | -1.0 | | 92 | 9.8 | -9.8 | .3 | 2007 |
| 825 | | 93 | 5.3 | -5.3 | .3 | | 88 | 11.7 | -11.7 | -.5 | | 96 | 8.0 | -8.0 | .8 | | 97 | 10.1 | -10.1 | 1.2 | 1745 |
| 850 | | 90 | 6.4 | -6.4 | .0 | | 85 | 11.1 | -11.1 | -1.1 | | 105 | 8.6 | -8.3 | 2.3 | | 96 | 10.5 | -10.5 | 1.1 | 1490 |
| 875 | | 84 | 7.2 | -7.2 | -.8 | | 82 | 11.3 | -11.2 | -1.6 | | 104 | 8.8 | -8.5 | 2.2 | | 92 | 10.1 | -10.1 | .4 | 1242 |
| 900 | | 81 | 8.3 | -8.2 | -1.4 | | 80 | 11.8 | -11.6 | -2.1 | | 101 | 9.0 | -8.8 | 1.7 | | 88 | 10.3 | -10.3 | -.4 | 999 |
| 925 | | 82 | 9.4 | -9.4 | -1.3 | | 75 | 14.0 | -13.5 | -3.5 | | 104 | 9.0 | -8.7 | 2.1 | | 85 | 10.2 | -10.2 | -1.0 | 762 |
| 950 | | 82 | 9.6 | -9.5 | -1.3 | | 71 | 15.8 | -14.9 | -5.1 | | 110 | 8.2 | -7.7 | 2.8 | | 85 | 9.2 | -9.1 | -.9 | 529 |
| 975 | | 78 | 9.2 | -9.0 | -1.9 | | 66 | 8.9 | -8.1 | -3.7 | | 114 | 6.6 | -6.0 | 2.7 | | 90 | 7.7 | -7.7 | -.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 5 1150 GMT | | | | 3/ 5 1835 GMT | | | | 3/ 6 012 GMT | | | | 3/ 6 6 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 278 | 16.8 | 16.6 | -2.4 | 271 | 15.9 | 15.9 | -.3 | 266 | 19.1 | 19.1 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 245 | 15.1 | 13.6 | 6.5 | 270 | 16.1 | 16.1 | .1 | 257 | 19.2 | 18.7 | 4.3 | 265 | 15.6 | 15.5 | 1.5 | 18589 |
| 80 | 47 | 1.2 | -.9 | -.8 | 264 | 10.3 | 10.3 | 1.1 | 267 | 5.4 | 5.3 | .3 | 274 | 13.9 | 13.9 | -.9 | 17801 |
| 90 | 352 | 6.5 | .9 | -6.4 | 224 | 3.2 | 2.2 | 2.3 | 219 | 3.9 | 2.4 | 3.0 | 214 | 4.5 | 2.5 | 3.7 | 17121 |
| 100 | 317 | 8.5 | 5.8 | -6.2 | 41 | 4.4 | -2.9 | -3.4 | 11 | 5.7 | -1.1 | -5.6 | 195 | 3.5 | .9 | 3.3 | 16521 |
| 110 | 309 | 5.6 | 4.3 | -3.5 | 345 | 6.6 | 1.7 | -6.4 | 347 | 5.5 | 1.3 | -5.3 | 329 | 3.9 | 2.0 | -3.4 | 15978 |
| 120 | 305 | 6.6 | 5.4 | -3.8 | 316 | 7.6 | 5.3 | -5.5 | 313 | 9.5 | 6.9 | -6.5 | 297 | 6.4 | 5.7 | -2.9 | 15479 |
| 130 | 304 | 4.6 | 3.8 | -2.6 | 295 | 7.6 | 6.9 | -3.3 | 287 | 8.8 | 8.4 | -2.5 | 285 | 8.5 | 8.2 | -2.2 | 15014 |
| 140 | 293 | 8.5 | 7.8 | -3.4 | 294 | 8.3 | 7.5 | -3.4 | 289 | 8.7 | 8.2 | -2.8 | 286 | 7.3 | 7.0 | -2.0 | 14576 |
| 150 | 292 | 11.4 | 10.6 | -4.2 | 288 | 8.7 | 8.3 | -2.7 | 283 | 8.3 | 8.1 | -1.8 | 299 | 8.3 | 7.3 | -4.1 | 14167 |
| 160 | 286 | 12.6 | 12.1 | -3.4 | 302 | 13.2 | 11.2 | -6.9 | 281 | 7.9 | 7.7 | -1.6 | 317 | 9.6 | 6.5 | -7.0 | 13776 |
| 170 | 289 | 12.4 | 11.7 | -4.0 | 307 | 10.2 | 8.2 | -6.1 | 298 | 12.0 | 10.5 | -5.7 | 315 | 12.9 | 9.1 | -9.2 | 13404 |
| 180 | 287 | 12.5 | 11.9 | -3.6 | 298 | 9.2 | 8.1 | -4.4 | 305 | 16.2 | 13.2 | -9.4 | 314 | 14.0 | 10.0 | -9.7 | 13049 |
| 190 | 299 | 15.7 | 13.7 | -7.7 | 310 | 15.6 | 12.0 | -10.0 | 306 | 17.7 | 14.2 | -10.4 | 316 | 16.1 | 11.1 | -11.6 | 12709 |
| 200 | 304 | 16.2 | 13.4 | -9.1 | 303 | 15.7 | 13.1 | -8.6 | 298 | 17.9 | 15.9 | -8.4 | 308 | 13.9 | 11.0 | -8.5 | 12383 |
| 225 | 302 | 22.7 | 19.2 | -12.0 | 278 | 20.2 | 20.0 | -2.8 | 298 | 21.6 | 19.1 | -10.1 | 294 | 22.2 | 20.3 | -9.1 | 11617 |
| 250 | 303 | 21.3 | 17.9 | -11.7 | 277 | 16.6 | 16.4 | -2.2 | 285 | 21.3 | 20.5 | -5.6 | 290 | 13.0 | 12.3 | -4.4 | 10914 |
| 275 | 326 | 10.4 | 5.8 | -8.6 | 274 | 10.7 | 10.7 | -.7 | 282 | 20.1 | 19.7 | -4.3 | 274 | 14.1 | 14.0 | -.9 | 10262 |
| 300 | 329 | 11.2 | 5.8 | -9.6 | 301 | 13.9 | 11.9 | -7.2 | 290 | 13.9 | 13.1 | -4.8 | 289 | 15.7 | 14.9 | -5.0 | 9654 |
| 325 | 342 | 4.9 | 1.5 | -4.6 | 307 | 9.7 | 7.7 | -5.9 | 321 | 12.0 | 7.5 | -9.4 | 3 285 | 14.1 | 13.6 | -3.6 | 9084 |
| 350 | 344 | 4.1 | 1.1 | -3.9 | 8 | 4.5 | -.6 | -4.5 | 326 | 5.2 | 2.9 | -4.3 | 332 | 9.9 | 4.7 | -8.7 | 8546 |
| 375 | 356 | 1.4 | .1 | -1.4 | 4 | 3.4 | -.2 | -3.4 | 72 | 2.4 | -2.3 | -.8 | 350 | 2.7 | .5 | -2.7 | 8039 |
| 400 | 149 | 1.9 | -1.0 | 1.6 | 323 | 4.1 | 2.5 | -3.2 | 337 | 1.5 | .6 | -1.3 | 352 | 2.2 | .3 | -2.2 | 7557 |
| 425 | 205 | 1.9 | .8 | 1.7 | 121 | 3.3 | -2.8 | 1.7 | 134 | 2.9 | -2.1 | 2.0 | 135 | 1.8 | -1.3 | 1.3 | 7099 |
| 450 | 262 | 5.2 | 5.2 | .7 | 212 | 2.2 | 1.2 | 1.8 | 183 | 2.3 | .1 | 2.3 | 115 | .6 | -.6 | .3 | 6662 |
| 475 | 322 | 5.9 | 3.7 | -4.7 | 4 | 3.1 | -.2 | -3.1 | 323 | 1.6 | 1.0 | -1.3 | 306 | 2.2 | 1.8 | -1.3 | 6244 |
| 500 | 319 | 12.4 | 8.1 | -9.4 | 337 | 2.9 | 1.1 | -2.7 | 100 | 3.1 | -3.0 | .5 | 343 | 3.1 | .9 | -3.0 | 5844 |
| 525 | 327 | 9.1 | 5.0 | -7.6 | 338 | 4.8 | 1.8 | -4.4 | 61 | 1.0 | -.9 | -.5 | 55 | 4.2 | -3.4 | -2.4 | 5460 |
| 550 | 345 | 5.7 | 1.5 | -5.5 | 346 | 5.1 | 1.2 | -4.9 | 305 | 2.2 | 1.8 | -1.3 | 64 | 5.3 | -4.7 | -2.3 | 5091 |
| 575 | 38 | 3.0 | -1.8 | -2.4 | 16 | 3.2 | -.9 | -3.1 | 83 | .7 | -.7 | -.1 | 86 | 2.4 | -2.4 | -.2 | 4736 |
| 600 | 87 | 6.5 | -6.5 | -.3 | 63 | 2.4 | -2.2 | -1.1 | 85 | 4.4 | -4.4 | -.4 | 112 | 1.8 | -1.6 | .7 | 4393 |
| 625 | 100 | 8.6 | -8.4 | 1.5 | 106 | 5.8 | -5.6 | 1.7 | 83 | 7.8 | -7.7 | -.9 | 94 | 4.0 | -4.0 | .3 | 4062 |
| 650 | 110 | 9.5 | -8.9 | 3.2 | 116 | 8.5 | -7.7 | 3.7 | 69 | 6.3 | -5.8 | -2.3 | 109 | 4.3 | -4.0 | 1.4 | 3742 |
| 675 | 107 | 9.4 | -9.0 | 2.7 | 113 | 8.8 | -8.1 | 3.4 | 48 | 5.9 | -4.4 | -4.0 | 106 | 5.7 | -5.5 | 1.6 | 3431 |
| 700 | 99 | 9.6 | -9.5 | 1.5 | 99 | 9.6 | -9.5 | 1.4 | 77 | 9.1 | -8.9 | -2.1 | 106 | 7.0 | -6.7 | 1.9 | 3130 |
| 725 | 95 | 8.7 | -8.7 | .8 | 94 | 10.1 | -10.0 | .8 | 89 | 13.7 | -13.7 | -.2 | 106 | 7.1 | -6.8 | 2.0 | 2837 |
| 750 | 114 | 3.9 | -3.5 | 1.5 | 108 | 8.3 | -8.0 | 2.5 | 91 | 15.2 | -15.2 | .2 | 96 | 8.1 | -8.1 | .9 | 2553 |
| 775 | 100 | 8.6 | -8.4 | 1.5 | 121 | 8.6 | -7.4 | 4.5 | 97 | 15.1 | -15.0 | 1.8 | 94 | 9.3 | -9.3 | .6 | 2276 |
| 800 | 96 | 13.4 | -13.4 | 1.4 | 106 | 10.1 | -9.7 | 2.9 | 91 | 15.7 | -15.7 | .4 | 91 | 9.8 | -9.8 | .1 | 2007 |
| 825 | 93 | 14.4 | -14.4 | .8 | 99 | 10.8 | -10.7 | 1.6 | 86 | 13.9 | -13.9 | -1.0 | 85 | 10.6 | -10.6 | -.9 | 1745 |
| 850 | 89 | 13.0 | -13.0 | -.1 | 96 | 10.9 | -10.8 | 1.2 | 82 | 12.7 | -12.6 | -1.8 | 88 | 11.1 | -11.1 | -.4 | 1490 |
| 875 | 86 | 10.9 | -10.9 | -.8 | 92 | 10.1 | -10.1 | .4 | 80 | 12.5 | -12.3 | -2.1 | 94 | 11.1 | -11.1 | .8 | 1242 |
| 900 | 86 | 9.6 | -9.6 | -.7 | 85 | 9.2 | -9.2 | -.8 | 81 | 12.6 | -12.4 | -1.9 | 94 | 10.6 | -10.6 | .8 | 999 |
| 925 | 86 | 9.8 | -9.8 | -.7 | 78 | 9.2 | -9.0 | -2.0 | 83 | 12.1 | -12.0 | -1.6 | 86 | 10.1 | -10.0 | -.7 | 762 |
| 950 | 86 | 10.0 | -10.0 | -.7 | 71 | 9.1 | -8.7 | -2.9 | 82 | 10.5 | -10.4 | -1.5 | 75 | 9.9 | -9.6 | -2.6 | 529 |
| 975 | 87 | 8.9 | -8.9 | -.4 | 69 | 8.7 | -8.1 | -3.2 | 75 | 8.1 | -7.9 | -2.1 | 66 | 10.6 | -9.7 | -4.3 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 6 1115 GMT | | | | 3/ 6 15 0 GMT | | | | 3/ 6 1845 GMT | | | | 3/ 6 2150 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 13.6 | 13.5 | -1.9 | | 260 | 14.7 | 14.4 | 2.6 | | 259 | 18.6 | 18.3 | 3.6 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 8.9 | 8.9 | -.8 | | 274 | 12.2 | 12.1 | -.9 | | 257 | 11.8 | 11.6 | 2.6 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 216 | 5.4 | 3.2 | 4.3 | | 240 | 6.4 | 5.5 | 3.2 | | 260 | 3.9 | 3.8 | .7 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 214 | 1.4 | .8 | 1.2 | | 224 | 8.1 | 5.6 | 5.8 | | 223 | 8.8 | 6.0 | 6.5 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 6.9 | 6.2 | -3.0 | | 267 | 5.9 | 5.8 | .3 | | 261 | 7.0 | 6.9 | 1.1 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 9.2 | 6.7 | -6.3 | | 301 | 9.6 | 8.2 | -4.9 | | 288 | 6.6 | 6.3 | -2.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 326 | 10.2 | 5.7 | -8.5 | | 314 | 7.2 | 5.2 | -5.0 | | 315 | 4.5 | 3.1 | -3.2 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 321 | 11.8 | 7.4 | -9.2 | | 337 | 5.4 | 2.1 | -5.0 | | 307 | 5.3 | 4.2 | -3.2 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 317 | 13.5 | 9.2 | -9.9 | | 292 | 8.4 | 7.8 | -3.1 | | 286 | 6.7 | 6.4 | -1.9 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 317 | 13.9 | 9.5 | -10.2 | | 299 | 11.5 | 10.1 | -5.5 | | 299 | 10.3 | 9.0 | -5.0 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 14.0 | 10.2 | -9.5 | | 301 | 12.3 | 10.5 | -6.4 | | 310 | 11.6 | 8.9 | -7.5 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 16.9 | 14.4 | -9.0 | | 298 | 13.2 | 11.6 | -6.2 | | 300 | 13.6 | 11.8 | -6.8 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 19.0 | 16.8 | -8.9 | | 298 | 15.0 | 13.2 | -7.0 | | 305 | 16.8 | 13.8 | -9.5 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 17.9 | 15.6 | -8.9 | | 307 | 19.6 | 15.7 | -11.8 | | 310 | 16.2 | 12.4 | -10.4 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 18.4 | 16.2 | -8.7 | | 292 | 22.7 | 21.1 | -8.5 | | 308 | 20.0 | 15.6 | -12.4 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 21.2 | 20.3 | -6.2 | | 302 | 21.0 | 17.9 | -11.1 | | 311 | 17.4 | 13.1 | -11.5 | 10914 |
| 275 | | 267 | 11.1 | 11.0 | .7 | | 291 | 15.0 | 14.0 | -5.4 | | 304 | 18.6 | 15.5 | -10.3 | | 304 | 13.2 | 11.0 | -7.3 | 10262 |
| 300 | | 258 | 10.9 | 10.7 | 2.2 | | 284 | 8.5 | 8.3 | -2.1 | | 299 | 16.1 | 14.1 | -7.8 | | 307 | 9.0 | 7.2 | -5.4 | 9654 |
| 325 | | 296 | 8.1 | 7.3 | -3.6 | | 267 | 4.6 | 4.5 | .2 | | 288 | 8.9 | 8.5 | -2.7 | | 318 | 9.8 | 6.5 | -7.3 | 9084 |
| 350 | | 301 | 7.1 | 6.1 | -3.7 | | 307 | 5.3 | 4.3 | -3.2 | | 282 | 7.8 | 7.6 | -1.6 | | 332 | 9.7 | 4.6 | -8.6 | 8546 |
| 375 | | 320 | 3.6 | 2.3 | -2.8 | | 295 | 4.6 | 4.2 | -2.0 | | 275 | 6.6 | 6.6 | -.6 | | 321 | 7.4 | 4.7 | -5.7 | 8039 |
| 400 | | 316 | 3.1 | 2.2 | -2.2 | | 268 | 3.6 | 3.6 | .1 | | 289 | 7.3 | 6.9 | -2.4 | | 266 | 9.9 | 9.9 | .7 | 7557 |
| 425 | | 312 | 1.0 | .7 | -.6 | | 285 | 2.1 | 2.1 | -.6 | | 289 | 4.4 | 4.2 | -1.5 | | 269 | 8.3 | 8.3 | .2 | 7099 |
| 450 | | 347 | 1.5 | .3 | -1.5 | | 8 | 2.4 | -.4 | -2.4 | | 303 | 1.6 | 1.4 | -.9 | | 250 | 5.3 | 5.0 | 1.8 | 6662 |
| 475 | | 355 | 4.4 | .4 | -4.4 | | 324 | 2.0 | 1.2 | -1.6 | | 285 | 1.0 | 1.0 | -.3 | | 201 | 3.2 | 1.2 | 3.0 | 6244 |
| 500 | | 18 | 3.8 | -1.2 | -3.6 | | 141 | 2.0 | -1.3 | 1.5 | | 112 | 1.9 | -1.8 | .7 | | 139 | 3.4 | -2.3 | 2.6 | 5844 |
| 525 | | 106 | 5.9 | -5.7 | 1.6 | | 130 | 5.6 | -4.3 | 3.6 | | 137 | 4.6 | -3.1 | 3.4 | | 155 | 3.7 | -1.5 | 3.4 | 5460 |
| 550 | | 116 | 6.0 | -5.4 | 2.6 | | 160 | 3.5 | -1.2 | 3.3 | | 147 | 4.0 | -2.2 | 3.3 | | 132 | 3.8 | -2.8 | 2.5 | 5091 |
| 575 | | 120 | 3.9 | -3.4 | 1.9 | | 152 | 3.3 | -1.6 | 2.9 | | 123 | 2.3 | -1.9 | 1.3 | | 114 | 4.4 | -4.0 | 1.8 | 4736 |
| 600 | | 106 | 4.9 | -4.7 | 1.4 | | 127 | 4.3 | -3.4 | 2.6 | | 88 | 4.8 | -4.8 | -.2 | | 120 | 3.1 | -2.7 | 1.5 | 4393 |
| 625 | | 104 | 4.5 | -4.4 | 1.1 | | 118 | 3.9 | -3.5 | 1.9 | | 95 | 4.2 | -4.2 | .4 | | 154 | 1.7 | -.7 | 1.5 | 4062 |
| 650 | | 116 | 3.7 | -3.3 | 1.6 | | 118 | 5.2 | -4.6 | 2.4 | | 101 | 4.9 | -4.8 | .9 | | 117 | 3.2 | -2.8 | 1.5 | 3742 |
| 675 | | 114 | 5.7 | -5.2 | 2.4 | | 123 | 6.1 | -5.1 | 3.4 | | 114 | 6.1 | -5.5 | 2.5 | | 128 | 4.5 | -3.5 | 2.7 | 3431 |
| 700 | | 125 | 4.9 | -4.0 | 2.9 | | 124 | 6.3 | -5.2 | 3.5 | | 116 | 5.9 | -5.3 | 2.6 | | 105 | 4.4 | -4.3 | 1.1 | 3130 |
| 725 | | 117 | 7.3 | -6.6 | 3.3 | | 115 | 7.3 | -6.6 | 3.1 | | 103 | 7.2 | -7.0 | 1.7 | | 94 | 6.3 | -6.3 | .5 | 2837 |
| 750 | | 100 | 8.9 | -8.8 | 1.5 | | 107 | 8.1 | -7.8 | 2.4 | | 97 | 9.1 | -9.1 | 1.2 | | 90 | 7.7 | -7.7 | .1 | 2553 |
| 775 | | 96 | 10.2 | -10.1 | 1.1 | | 98 | 7.6 | -7.5 | 1.0 | | 93 | 10.2 | -10.2 | .5 | | 86 | 8.0 | -8.0 | -.6 | 2276 |
| 800 | | 94 | 11.1 | -11.1 | .8 | | 87 | 7.9 | -7.9 | -.4 | | 90 | 9.4 | -9.4 | .1 | | 91 | 7.9 | -7.9 | .2 | 2007 |
| 825 | | 83 | 10.6 | -10.5 | -1.3 | | 87 | 9.7 | -9.7 | -.5 | | 92 | 8.6 | -8.6 | .4 | | 92 | 8.6 | -8.6 | .3 | 1745 |
| 850 | | 72 | 9.8 | -9.3 | -3.0 | | 91 | 11.4 | -11.4 | .2 | | 96 | 9.0 | -9.0 | 1.0 | | 90 | 9.3 | -9.3 | -.1 | 1490 |
| 875 | | 74 | 10.7 | -10.3 | -2.9 | | 93 | 12.1 | -12.0 | .7 | | 100 | 9.4 | -9.2 | 1.6 | | 93 | 10.1 | -10.1 | .5 | 1242 |
| 900 | | 72 | 11.3 | -10.8 | -3.4 | | 92 | 11.1 | -11.1 | .4 | | 103 | 9.4 | -9.1 | 2.2 | | 96 | 11.6 | -11.5 | 1.2 | 999 |
| 925 | | 72 | 10.1 | -9.6 | -3.2 | | 89 | 9.0 | -9.0 | -.2 | | 105 | 9.9 | -9.6 | 2.6 | | 99 | 13.1 | -13.0 | 2.0 | 762 |
| 950 | | 71 | 8.5 | -8.0 | -2.7 | | 83 | 6.9 | -6.8 | -.9 | | 105 | 10.3 | -9.9 | 2.7 | | 102 | 13.7 | -13.4 | 2.8 | 529 |
| 975 | | 69 | 8.3 | -7.8 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 9.4 | -9.1 | 2.1 | | 105 | 12.1 | -11.7 | 3.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 6 2340 GMT | | | | 3/ 7 350 GMT | | | | 3/ 7 542 GMT | | | | 3/ 7 850 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 276 | 18.4 | 18.3 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 261 | 19.6 | 19.4 | 3.0 | 268 | 17.5 | 17.5 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 269 | 19.1 | 19.1 | .3 | 18589 |
| 80 | 259 | 13.2 | 12.9 | 2.6 | 256 | 14.4 | 14.0 | 3.4 | 0 0 | 0.0 | 0.0 | 0.0 | 248 | 16.2 | 15.0 | 6.1 | 17801 |
| 90 | 243 | 5.5 | 4.9 | 2.5 | 288 | 10.9 | 10.3 | -3.4 | 0 0 | 0.0 | 0.0 | 0.0 | 285 | 10.6 | 10.3 | -2.7 | 17121 |
| 100 | 227 | 8.0 | 5.9 | 5.5 | 226 | 8.4 | 6.1 | 5.8 | 0 0 | 0.0 | 0.0 | 0.0 | 252 | 11.7 | 11.1 | 3.6 | 16521 |
| 110 | 245 | 7.4 | 6.7 | 3.1 | 219 | 8.6 | 5.4 | 6.6 | 0 0 | 0.0 | 0.0 | 0.0 | 221 | 9.7 | 6.4 | 7.3 | 15978 |
| 120 | 262 | 5.0 | 5.0 | .7 | 265 | 6.0 | 6.0 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 263 | 8.6 | 8.6 | 1.1 | 15479 |
| 130 | 286 | 6.8 | 6.6 | -1.9 | 281 | 8.8 | 8.6 | -1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 273 | 7.3 | 7.3 | -.4 | 15014 |
| 140 | 276 | 8.0 | 8.0 | -.8 | 282 | 10.7 | 10.4 | -2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 270 | 11.6 | 11.6 | .1 | 14578 |
| 150 | 266 | 7.6 | 7.6 | .5 | 278 | 13.1 | 12.9 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 274 | 10.8 | 10.7 | -.8 | 14167 |
| 160 | 278 | 10.8 | 10.7 | -1.5 | 278 | 13.2 | 13.1 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 287 | 11.6 | 11.1 | -3.4 | 13776 |
| 170 | 291 | 15.1 | 14.1 | -5.3 | 286 | 14.7 | 14.1 | -4.1 | 0 0 | 0.0 | 0.0 | 0.0 | 279 | 13.8 | 13.6 | -2.1 | 13404 |
| 180 | 299 | 17.2 | 15.1 | -8.2 | 293 | 16.1 | 14.8 | -6.4 | 0 0 | 0.0 | 0.0 | 0.0 | 278 | 14.0 | 13.9 | -1.9 | 13049 |
| 190 | 302 | 18.4 | 15.6 | -9.7 | 301 | 17.6 | 15.0 | -9.1 | 0 0 | 0.0 | 0.0 | 0.0 | 283 | 15.9 | 15.5 | -3.6 | 12709 |
| 200 | 305 | 18.2 | 15.0 | -10.4 | 305 | 18.8 | 15.4 | -10.8 | 0 0 | 0.0 | 0.0 | 0.0 | 282 | 15.6 | 15.2 | -3.2 | 12383 |
| 225 | 313 | 19.9 | 14.6 | -13.5 | 305 | 18.8 | 15.5 | -10.7 | 0 0 | 0.0 | 0.0 | 0.0 | 301 | 18.1 | 15.4 | -9.4 | 11617 |
| 250 | 306 | 17.8 | 14.4 | -10.6 | 316 | 19.2 | 13.4 | -13.7 | 0 0 | 0.0 | 0.0 | 0.0 | 307 | 15.2 | 12.1 | -9.2 | 10914 |
| 275 | 301 | 17.4 | 14.9 | -9.1 | 311 | 16.1 | 12.1 | -10.7 | 0 0 | 0.0 | 0.0 | 0.0 | 309 | 17.1 | 13.3 | -10.8 | 10262 |
| 300 | 301 | 12.2 | 10.4 | -6.3 | 302 | 17.4 | 14.8 | -9.1 | 0 0 | 0.0 | 0.0 | 0.0 | 310 | 14.7 | 11.2 | -9.5 | 9654 |
| 325 | 294 | 8.2 | 7.5 | -3.4 | 292 | 16.5 | 15.3 | -6.1 | 0 0 | 0.0 | 0.0 | 0.0 | 299 | 18.5 | 16.1 | -9.0 | 9084 |
| 350 | 295 | 7.1 | 6.4 | -3.0 | 299 | 13.7 | 11.9 | -6.7 | 0 0 | 0.0 | 0.0 | 0.0 | 293 | 13.1 | 12.0 | -5.1 | 8546 |
| 375 | 281 | 11.8 | 11.6 | -2.2 | 298 | 7.4 | 6.6 | -3.5 | 0 0 | 0.0 | 0.0 | 0.0 | 292 | 11.5 | 10.6 | -4.4 | 8039 |
| 400 | 289 | 11.0 | 10.4 | -3.6 | 332 | 4.3 | 2.0 | -3.8 | 0 0 | 0.0 | 0.0 | 0.0 | 270 | 5.7 | 5.7 | .0 | 7557 |
| 425 | 302 | 8.1 | 6.8 | -4.3 | 352 | 2.7 | .4 | -2.7 | 0 0 | 0.0 | 0.0 | 0.0 | 213 | .8 | .4 | .7 | 7099 |
| 450 | 295 | 6.4 | 5.8 | -2.7 | 313 | 2.6 | 1.9 | -1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 327 | 2.3 | 1.2 | -1.9 | 6662 |
| 475 | 295 | 6.1 | 5.5 | -2.6 | 302 | 1.9 | 1.6 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 24 | 2.9 | -1.2 | -2.6 | 6244 |
| 500 | 179 | 1.5 | -.0 | 1.5 | 286 | .9 | .9 | -.3 | 0 0 | 0.0 | 0.0 | 0.0 | 52 | 4.5 | -3.5 | -2.8 | 5844 |
| 525 | 120 | 5.3 | -4.6 | 2.6 | 160 | 1.9 | -.6 | 1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 47 | 5.3 | -3.9 | -3.6 | 5460 |
| 550 | 132 | 5.4 | -4.0 | 3.7 | 130 | 2.2 | -1.7 | 1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 52 | 6.6 | -5.2 | -4.1 | 5091 |
| 575 | 121 | 5.6 | -4.8 | 2.9 | 116 | 3.2 | -2.9 | 1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 64 | 5.2 | -4.7 | -2.2 | 4736 |
| 600 | 108 | 4.5 | -4.3 | 1.4 | 108 | 5.8 | -5.6 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 93 | 5.3 | -5.3 | .2 | 4393 |
| 625 | 109 | 5.0 | -4.7 | 1.6 | 109 | 4.9 | -4.6 | 1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 111 | 6.8 | -6.4 | 2.5 | 4062 |
| 650 | 112 | 7.4 | -6.9 | 2.8 | 102 | 4.5 | -4.4 | .9 | 0 0 | 0.0 | 0.0 | 0.0 | 111 | 6.5 | -6.1 | 2.3 | 3742 |
| 675 | 103 | 6.7 | -6.5 | 1.5 | 105 | 6.5 | -6.3 | 1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 108 | 6.6 | -6.3 | 2.1 | 3431 |
| 700 | 112 | 4.4 | -4.1 | 1.7 | 107 | 7.8 | -7.5 | 2.2 | 0 0 | 0.0 | 0.0 | 0.0 | 106 | 7.5 | -7.2 | 2.1 | 3130 |
| 725 | 97 | 4.6 | -4.6 | .5 | 106 | 8.0 | -7.7 | 2.2 | 0 0 | 0.0 | 0.0 | 0.0 | 96 | 7.5 | -7.5 | .7 | 2837 |
| 750 | 71 | 7.0 | -6.7 | -2.3 | 94 | 8.1 | -8.1 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 86 | 8.5 | -8.5 | -.6 | 2553 |
| 775 | 75 | 8.4 | -8.1 | -2.2 | 85 | 9.6 | -9.6 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 75 | 9.6 | -9.2 | -2.5 | 2276 |
| 800 | 83 | 9.7 | -9.6 | -1.2 | 92 | 11.6 | -11.6 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 74 | 10.0 | -9.7 | -2.7 | 2007 |
| 825 | 88 | 10.8 | -10.8 | -.3 | 93 | 13.1 | -13.1 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 82 | 13.3 | -13.2 | -1.7 | 1745 |
| 850 | 88 | 11.0 | -11.0 | -.5 | 88 | 12.9 | -12.9 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 87 | 15.3 | -15.2 | -.8 | 1490 |
| 875 | 84 | 11.1 | -11.0 | -1.2 | 88 | 12.6 | -12.6 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 90 | 14.5 | -14.5 | -.1 | 1242 |
| 900 | 86 | 11.6 | -11.6 | -.9 | 92 | 13.4 | -13.4 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 92 | 13.5 | -13.5 | .4 | 999 |
| 925 | 91 | 12.1 | -12.1 | .3 | 94 | 12.0 | -12.0 | .8 | 0 0 | 0.0 | 0.0 | 0.0 | 93 | 11.1 | -11.1 | .6 | 762 |
| 950 | 96 | 11.3 | -11.3 | 1.2 | 93 | 9.1 | -9.0 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 92 | 8.5 | -8.5 | .3 | 529 |
| 975 | 101 | 10.3 | -10.2 | 1.9 | 93 | 8.3 | -8.3 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 85 | 8.0 | -7.9 | -.6 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 7 1115 GMT | | | | | 3/ 8 1135 GMT | | | | | 3/ 8 1528 GMT | | | | | 3/ 8 1728 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 22.2 | 22.1 | -2.2 | | 282 | 20.5 | 20.0 | -4.2 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 15.8 | 15.5 | -2.7 | | 290 | 17.0 | 16.0 | -5.8 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 14.0 | 14.0 | -.6 | | 271 | 13.1 | 13.1 | -.1 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 14.5 | 14.1 | 3.3 | | 244 | 19.0 | 17.1 | 8.3 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 240 | 18.8 | 16.3 | 9.3 | | 234 | 17.5 | 14.2 | 10.3 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 235 | 18.3 | 15.0 | 10.5 | | 244 | 19.5 | 17.5 | 8.7 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 243 | 22.0 | 19.7 | 9.9 | | 249 | 22.3 | 20.8 | 8.1 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 20.3 | 20.0 | 3.6 | | 258 | 17.5 | 17.1 | 3.6 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 16.5 | 16.5 | -1.0 | | 266 | 18.8 | 18.8 | 1.2 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 20.2 | 20.1 | -2.1 | | 271 | 21.4 | 21.3 | -.5 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 23.4 | 23.3 | -2.4 | | 278 | 22.2 | 22.0 | -3.0 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 21.9 | 21.6 | -3.7 | | 278 | 20.1 | 19.9 | -2.9 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 19.7 | 19.3 | -4.1 | | 282 | 18.2 | 17.8 | -3.7 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 17.6 | 17.1 | -3.9 | | 283 | 19.3 | 18.8 | -4.2 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 16.5 | 16.0 | -3.9 | | 280 | 20.9 | 20.6 | -3.6 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 19.1 | 19.0 | -1.8 | | 272 | 18.8 | 18.8 | -.6 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 19.9 | 19.9 | -.1 | | 272 | 19.6 | 19.6 | -.8 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 10.6 | 10.4 | 2.0 | | 263 | 12.7 | 12.7 | 1.5 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 4.4 | 4.1 | 1.5 | | 249 | 4.7 | 4.4 | 1.7 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 351 | 2.9 | .5 | -2.9 | | 315 | 2.1 | 1.5 | -1.5 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 334 | 5.0 | 2.2 | -4.5 | | 24 | 2.6 | -1.0 | -2.4 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 304 | 5.0 | 4.2 | -2.8 | | 13 | 3.2 | -.7 | -3.1 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 4.2 | 3.8 | -1.8 | | 288 | 4.4 | 4.2 | -1.4 | | 292 | 3.2 | 3.0 | -1.2 | 7099 |
| 450 | | 255 | 1.0 | 1.0 | .3 | | 285 | 4.5 | 4.4 | -1.2 | | 269 | 4.0 | 4.0 | .1 | | 263 | 5.2 | 5.1 | .6 | 6662 |
| 475 | | 66 | 3.4 | -3.1 | -1.4 | | 249 | 5.1 | 4.8 | 1.8 | | 252 | 4.9 | 4.7 | 1.5 | | 253 | 5.1 | 4.9 | 1.5 | 6244 |
| 500 | | 16 | 3.1 | -.8 | -3.0 | | 258 | 2.1 | 2.1 | .4 | | 160 | 1.3 | -.4 | 1.2 | | 335 | .4 | .1 | -.3 | 5844 |
| 525 | | 6 | 4.5 | -.5 | -4.5 | | 83 | 2.8 | -2.7 | -.3 | | 87 | 4.4 | -4.4 | -.2 | | 83 | 4.1 | -4.1 | -.5 | 5460 |
| 550 | | 42 | 4.8 | -3.2 | -3.5 | | 102 | 5.6 | -5.5 | 1.2 | | 116 | 4.4 | -4.0 | 2.0 | | 119 | 3.9 | -3.4 | 1.9 | 5091 |
| 575 | | 73 | 5.1 | -4.9 | -1.5 | | 144 | 4.5 | -2.6 | 3.7 | | 152 | 5.1 | -2.4 | 4.5 | | 141 | 3.5 | -2.2 | 2.8 | 4736 |
| 600 | | 90 | 3.6 | -3.6 | -.0 | | 126 | 3.9 | -3.1 | 2.3 | | 151 | 3.8 | -1.8 | 3.3 | | 149 | 3.1 | -1.6 | 2.6 | 4393 |
| 625 | | 107 | 5.7 | -5.5 | 1.7 | | 136 | 1.7 | -1.2 | 1.2 | | 142 | 3.8 | -2.3 | 3.0 | | 136 | 3.4 | -2.4 | 2.4 | 4062 |
| 650 | | 105 | 5.2 | -5.0 | 1.3 | | 121 | 6.0 | -5.1 | 3.1 | | 124 | 5.5 | -4.6 | 3.1 | | 117 | 5.0 | -4.5 | 2.2 | 3742 |
| 675 | | 124 | 5.1 | -4.2 | 2.8 | | 116 | 5.6 | -5.0 | 2.4 | | 113 | 5.7 | -5.2 | 2.2 | | 128 | 5.3 | -4.2 | 3.3 | 3431 |
| 700 | | 108 | 8.5 | -8.1 | 2.6 | | 122 | 5.0 | -4.2 | 2.7 | | 113 | 4.7 | -4.3 | 1.8 | | 133 | 4.5 | -3.3 | 3.1 | 3130 |
| 725 | | 97 | 8.1 | -8.0 | 1.0 | | 109 | 7.2 | -6.8 | 2.3 | | 103 | 5.7 | -5.5 | 1.3 | | 112 | 7.2 | -6.7 | 2.7 | 2837 |
| 750 | | 90 | 6.0 | -6.0 | .0 | | 101 | 9.8 | -9.7 | 1.9 | | 95 | 7.9 | -7.9 | .6 | | 100 | 8.6 | -8.4 | 1.6 | 2553 |
| 775 | | 83 | 7.9 | -7.8 | -.9 | | 94 | 12.5 | -12.5 | .9 | | 95 | 11.3 | -11.3 | .9 | | 92 | 10.6 | -10.6 | .4 | 2276 |
| 800 | | 81 | 11.5 | -11.4 | -1.9 | | 88 | 12.6 | -12.6 | -.5 | | 95 | 14.1 | -14.1 | 1.1 | | 94 | 12.6 | -12.6 | .9 | 2007 |
| 825 | | 84 | 11.7 | -11.6 | -1.3 | | 84 | 11.6 | -11.5 | -1.3 | | 94 | 14.6 | -14.6 | 1.1 | | 97 | 13.8 | -13.7 | 1.7 | 1745 |
| 850 | | 90 | 10.9 | -10.9 | .0 | | 87 | 13.4 | -13.4 | -.8 | | 96 | 14.7 | -14.6 | 1.4 | | 95 | 14.4 | -14.4 | 1.3 | 1490 |
| 875 | | 92 | 11.6 | -11.5 | .5 | | 92 | 14.4 | -14.4 | .4 | | 95 | 14.6 | -14.5 | 1.3 | | 92 | 14.5 | -14.5 | .5 | 1242 |
| 900 | | 90 | 12.4 | -12.4 | .1 | | 93 | 14.5 | -14.4 | .7 | | 91 | 13.6 | -13.6 | .3 | | 91 | 14.4 | -14.4 | .3 | 999 |
| 925 | | 90 | 12.0 | -12.0 | .0 | | 89 | 14.3 | -14.3 | -.2 | | 86 | 12.1 | -12.1 | -.9 | | 90 | 14.1 | -14.1 | -.0 | 762 |
| 950 | | 93 | 9.9 | -9.9 | .5 | | 83 | 11.8 | -11.7 | -1.4 | | 80 | 10.9 | -10.7 | -1.9 | | 88 | 13.6 | -13.6 | -.5 | 529 |
| 975 | | 93 | 8.4 | -8.4 | .5 | | 79 | 9.7 | -9.5 | -1.9 | | 73 | 10.3 | -9.9 | -3.0 | | 87 | 13.3 | -13.2 | -.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 8 2040 GMT | | | | 3/ 8 2315 GMT | | | | 3/ 9 217 GMT | | | | 3/ 9 6 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 290 | 18.0 | 17.0 | -6.0 | 0 0 | 0.0 | 0.0 | 0.0 | 270 | 17.6 | 17.6 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 291 | 16.8 | 15.7 | -6.0 | 0 0 | 0.0 | 0.0 | 0.0 | 296 | 17.5 | 15.8 | -7.6 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 291 | 16.3 | 15.2 | -5.7 | 0 0 | 0.0 | 0.0 | 0.0 | 297 | 15.1 | 13.4 | -6.8 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 258 | 18.7 | 18.3 | 3.7 | 0 0 | 0.0 | 0.0 | 0.0 | 290 | 16.4 | 15.4 | -5.7 | 0 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 246 | 20.2 | 18.5 | 8.1 | 0 0 | 0.0 | 0.0 | 0.0 | 259 | 19.7 | 19.3 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 242 | 18.1 | 16.0 | 8.5 | 0 0 | 0.0 | 0.0 | 0.0 | 245 | 26.7 | 24.1 | 11.5 | 0 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 243 | 22.2 | 19.8 | 10.0 | 0 0 | 0.0 | 0.0 | 0.0 | 235 | 25.7 | 21.2 | 14.6 | 0 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 248 | 18.5 | 17.1 | 7.0 | 0 0 | 0.0 | 0.0 | 0.0 | 253 | 24.0 | 22.9 | 7.1 | 0 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 262 | 20.6 | 20.4 | 2.9 | 0 0 | 0.0 | 0.0 | 0.0 | 273 | 23.8 | 23.8 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 270 | 24.3 | 24.3 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 280 | 23.8 | 23.4 | -4.1 | 0 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 274 | 22.0 | 21.9 | -1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 282 | 21.3 | 20.9 | -4.3 | 0 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 276 | 19.7 | 19.6 | -2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 284 | 17.0 | 16.4 | -4.2 | 0 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 278 | 17.7 | 17.5 | -2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 289 | 15.8 | 14.9 | -5.2 | 0 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 279 | 16.1 | 15.9 | -2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 288 | 16.5 | 15.6 | -5.2 | 0 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 277 | 19.8 | 19.6 | -2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 275 | 14.0 | 13.9 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 277 | 17.3 | 17.2 | -2.2 | 0 0 | 0.0 | 0.0 | 0.0 | 275 | 13.6 | 13.6 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 273 | 16.8 | 16.7 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 272 | 14.1 | 14.1 | -.6 | 0 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 276 | 17.1 | 17.0 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 270 | 13.2 | 13.2 | -.0 | 0 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 260 | 8.6 | 8.5 | 1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 276 | 9.9 | 9.8 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 201 | 1.2 | .5 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 230 | 2.6 | 1.9 | 1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 49 | 2.1 | -1.6 | -1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 93 | 3.1 | -3.1 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 34 | 4.5 | -2.6 | -3.7 | 0 0 | 0.0 | 0.0 | 0.0 | 71 | 2.8 | -2.6 | -.9 | 0 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 358 | 1.6 | .1 | -1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 291 | 3.8 | 3.5 | -1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | 283 | 3.2 | 3.1 | -.7 | 0 0 | 0.0 | 0.0 | 0.0 | 285 | 6.9 | 6.6 | -1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 249 | 4.8 | 4.5 | 1.7 | 244 | 3.2 | 2.9 | 1.4 | 256 | 4.5 | 4.4 | 1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 124 | 1.0 | -.8 | .5 | 113 | 2.1 | -2.0 | .8 | 190 | 1.5 | .3 | 1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 88 | 4.2 | -4.2 | -.2 | 85 | 3.9 | -3.9 | -.3 | 107 | 2.6 | -2.5 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 117 | 4.4 | -3.9 | 2.0 | 137 | 4.4 | -3.0 | 3.3 | 157 | 3.3 | -1.3 | 3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 139 | 4.3 | -2.8 | 3.2 | 177 | 2.7 | -.2 | 2.7 | 208 | 3.0 | 1.4 | 2.7 | 0 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 145 | 2.9 | -1.7 | 2.4 | 144 | 3.6 | -2.1 | 2.9 | 252 | 2.1 | 2.0 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 116 | 4.0 | -3.6 | 1.8 | 128 | 4.4 | -3.4 | 2.7 | 159 | 3.2 | -1.1 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 118 | 5.3 | -4.7 | 2.5 | 138 | 4.3 | -2.9 | 3.2 | 165 | 3.4 | -.9 | 3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 116 | 6.6 | -6.0 | 2.9 | 134 | 4.7 | -3.4 | 3.2 | 156 | 3.0 | -1.2 | 2.7 | 0 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 119 | 5.4 | -4.7 | 2.6 | 124 | 3.6 | -3.0 | 2.0 | 132 | 1.3 | -1.0 | .9 | 0 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 115 | 4.4 | -4.0 | 1.9 | 116 | 2.4 | -2.2 | 1.1 | 69 | 2.4 | -2.2 | -.9 | 0 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 103 | 6.3 | -6.1 | 1.4 | 88 | 6.6 | -6.5 | -.2 | 69 | 5.6 | -5.2 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 94 | 8.5 | -8.5 | .7 | 88 | 11.1 | -11.1 | -.4 | 80 | 9.2 | -9.1 | -1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 95 | 12.5 | -12.4 | 1.1 | 93 | 12.9 | -12.9 | .7 | 89 | 12.0 | -12.0 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 99 | 15.8 | -15.6 | 2.6 | 93 | 14.1 | -14.1 | .6 | 90 | 13.8 | -13.8 | -.1 | 0 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 100 | 17.6 | -17.4 | 3.0 | 92 | 14.0 | -14.0 | .4 | 86 | 13.6 | -13.6 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 97 | 17.6 | -17.5 | 2.1 | 94 | 13.2 | -13.1 | 1.0 | 87 | 13.3 | -13.2 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 93 | 14.6 | -14.6 | .7 | 96 | 12.9 | -12.8 | 1.3 | 88 | 13.4 | -13.4 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | 89 | 11.7 | -11.7 | -.3 | 95 | 13.5 | -13.4 | 1.2 | 86 | 12.6 | -12.6 | -.9 | 0 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | 89 | 11.0 | -11.0 | -.2 | 92 | 12.6 | -12.5 | .4 | 82 | 10.9 | -10.8 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | 91 | 10.3 | -10.3 | .1 | 88 | 11.0 | -10.9 | -.4 | 78 | 8.9 | -8.7 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/ 9 855 GMT | | | | 3/ 9 1125 GMT | | | | 3/ 9 1814 GMT | | | | 3/ 9 2350 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 10.8 | 10.8 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 12.9 | 12.8 | -1.2 | 19517 |
| 70 | | 259 | 16.8 | 16.5 | 3.2 | | 273 | 15.3 | 15.3 | -.9 | | 292 | 15.6 | 14.5 | -5.8 | | 287 | 18.7 | 17.9 | -5.3 | 18589 |
| 80 | | 282 | 13.7 | 13.4 | -2.8 | | 273 | 14.6 | 14.5 | -.8 | | 273 | 20.0 | 19.9 | -1.1 | | 280 | 24.2 | 23.8 | -4.2 | 17801 |
| 90 | | 301 | 20.2 | 17.3 | -10.5 | | 307 | 18.0 | 14.4 | -10.8 | | 303 | 19.7 | 16.6 | -10.7 | | 293 | 24.6 | 22.6 | -9.8 | 17121 |
| 100 | | 285 | 13.1 | 12.7 | -3.5 | | 287 | 18.5 | 17.7 | -5.4 | | 289 | 24.7 | 23.3 | -8.1 | | 293 | 28.0 | 25.7 | -11.0 | 16521 |
| 110 | | 270 | 19.6 | 19.6 | -.1 | | 262 | 22.0 | 21.8 | 3.0 | | 269 | 23.8 | 23.8 | .6 | | 267 | 30.9 | 30.9 | 1.5 | 15978 |
| 120 | | 247 | 27.6 | 25.4 | 10.8 | | 248 | 26.8 | 24.9 | 9.8 | | 260 | 23.1 | 22.7 | 4.2 | | 255 | 31.0 | 30.0 | 7.8 | 15479 |
| 130 | | 239 | 28.3 | 24.4 | 14.4 | | 244 | 25.0 | 22.4 | 11.0 | | 255 | 20.4 | 19.7 | 5.1 | | 256 | 26.0 | 25.2 | 6.5 | 15014 |
| 140 | | 250 | 21.2 | 19.9 | 7.4 | | 252 | 22.4 | 21.3 | 6.9 | | 262 | 22.8 | 22.6 | 3.0 | | 266 | 27.0 | 26.9 | 1.8 | 14578 |
| 150 | | 267 | 18.2 | 18.1 | 1.0 | | 263 | 22.5 | 22.3 | 2.7 | | 266 | 27.3 | 27.2 | 2.1 | | 272 | 31.1 | 31.1 | -.9 | 14167 |
| 160 | | 276 | 16.7 | 16.6 | -1.9 | | 266 | 20.1 | 20.0 | 1.4 | | 261 | 26.0 | 25.7 | 4.0 | | 275 | 33.8 | 33.7 | -2.7 | 13776 |
| 170 | | 276 | 16.8 | 16.7 | -1.7 | | 274 | 17.3 | 17.3 | -1.1 | | 257 | 23.3 | 22.8 | 5.2 | | 278 | 33.9 | 33.6 | -4.5 | 13404 |
| 180 | | 275 | 18.9 | 18.9 | -1.8 | | 276 | 15.0 | 14.9 | -1.5 | | 264 | 24.7 | 24.5 | 2.4 | | 279 | 32.7 | 32.3 | -5.2 | 13049 |
| 190 | | 274 | 21.1 | 21.0 | -1.4 | | 276 | 17.4 | 17.3 | -1.8 | | 270 | 25.8 | 25.8 | -.2 | | 281 | 30.8 | 30.3 | -5.8 | 12709 |
| 200 | | 272 | 21.6 | 21.5 | -.6 | | 283 | 20.2 | 19.7 | -4.6 | | 275 | 25.5 | 25.4 | -2.4 | | 283 | 30.4 | 29.6 | -6.9 | 12383 |
| 225 | | 277 | 23.8 | 23.6 | -3.0 | | 289 | 20.4 | 19.2 | -6.8 | | 287 | 26.4 | 25.3 | -7.6 | | 286 | 29.1 | 28.0 | -8.0 | 11617 |
| 250 | | 268 | 16.6 | 16.6 | .7 | | 281 | 21.5 | 21.1 | -4.0 | | 294 | 23.8 | 21.7 | -9.7 | | 284 | 25.7 | 24.9 | -6.4 | 10914 |
| 275 | | 271 | 15.8 | 15.8 | -.2 | | 268 | 15.9 | 15.9 | .5 | | 293 | 20.9 | 19.1 | -8.3 | | 287 | 25.9 | 24.7 | -7.8 | 10262 |
| 300 | | 273 | 15.4 | 15.4 | -.9 | | 270 | 18.5 | 18.5 | .0 | | 281 | 18.3 | 18.0 | -3.7 | | 292 | 21.7 | 20.2 | -8.1 | 9654 |
| 325 | | 271 | 13.0 | 13.0 | -.3 | | 268 | 12.2 | 12.2 | .5 | | 294 | 12.8 | 11.6 | -5.3 | | 296 | 21.4 | 19.2 | -9.4 | 9084 |
| 350 | | 269 | 6.5 | 6.5 | .1 | | 274 | 5.8 | 5.8 | -.4 | | 293 | 8.9 | 8.3 | -3.4 | | 286 | 14.1 | 13.5 | -3.8 | 8546 |
| 375 | | 219 | 2.8 | 1.8 | 2.2 | | 202 | 2.7 | 1.0 | 2.5 | | 292 | 5.0 | 4.7 | -1.9 | | 292 | 6.5 | 6.0 | -2.5 | 8039 |
| 400 | | 143 | 3.7 | -2.3 | 3.0 | | 143 | 4.7 | -2.8 | 3.7 | | 269 | 2.6 | 2.6 | .1 | | 280 | 4.7 | 4.7 | -.8 | 7557 |
| 425 | | 107 | 2.6 | -2.5 | .7 | | 92 | 2.2 | -2.2 | .1 | | 218 | 1.8 | 1.1 | 1.4 | | 239 | .8 | .7 | .4 | 7099 |
| 450 | | 277 | 6.9 | 6.8 | -.8 | | 291 | 5.7 | 5.3 | -2.0 | | 266 | 6.4 | 6.4 | .4 | | 278 | 2.2 | 2.2 | -.3 | 6662 |
| 475 | | 271 | 8.5 | 8.5 | -.2 | | 291 | 8.0 | 7.4 | -2.9 | | 280 | 9.2 | 9.1 | -1.6 | | 299 | 10.2 | 9.0 | -4.9 | 6244 |
| 500 | | 243 | 3.2 | 2.8 | 1.5 | | 280 | 1.6 | 1.5 | -.3 | | 63 | 1.2 | -1.1 | -.5 | | 291 | 9.1 | 8.5 | -3.2 | 5844 |
| 525 | | 117 | 4.0 | -3.5 | 1.8 | | 103 | 3.8 | -3.7 | .8 | | 81 | 6.7 | -6.6 | -1.0 | | 123 | 1.9 | -1.6 | 1.0 | 5460 |
| 550 | | 124 | 4.0 | -3.3 | 2.2 | | 87 | 3.1 | -3.1 | -.2 | | 91 | 5.6 | -5.6 | .1 | | 102 | 5.7 | -5.6 | 1.2 | 5091 |
| 575 | | 174 | 1.6 | -.2 | 1.6 | | 288 | .6 | .6 | -.2 | | 113 | 1.6 | -1.4 | .6 | | 149 | 1.7 | -.9 | 1.4 | 4736 |
| 600 | | 277 | 1.7 | 1.7 | -.2 | | 282 | 2.9 | 2.8 | -.6 | | 22 | 2.4 | -.9 | -2.2 | | 261 | 1.4 | 1.4 | .2 | 4393 |
| 625 | | 9 | .8 | -.1 | -.8 | | 323 | .8 | .5 | -.6 | | 329 | 2.4 | 1.3 | -2.1 | | 321 | 1.4 | .9 | -1.1 | 4062 |
| 650 | | 65 | 1.9 | -1.7 | -.8 | | 89 | 1.2 | -1.2 | -.0 | | 290 | 1.5 | 1.4 | -.5 | | 277 | 4.1 | 4.1 | -.5 | 3742 |
| 675 | | 108 | 2.6 | -2.5 | .8 | | 86 | 1.4 | -1.4 | -.1 | | 39 | .7 | -.4 | -.5 | | 285 | 1.9 | 1.8 | -.5 | 3431 |
| 700 | | 85 | 3.2 | -3.1 | -.3 | | 56 | 2.2 | -1.8 | -1.2 | | 22 | 2.0 | -.7 | -1.8 | | 306 | 3.4 | 2.8 | -2.0 | 3130 |
| 725 | | 58 | 4.4 | -3.7 | -2.3 | | 47 | 4.3 | -3.2 | -2.9 | | 36 | 3.5 | -2.0 | -2.8 | | 332 | 2.1 | 1.0 | -1.9 | 2837 |
| 750 | | 58 | 5.5 | -4.7 | -2.9 | | 61 | 6.9 | -6.1 | -3.4 | | 67 | 5.7 | -5.3 | -2.3 | | 89 | 4.4 | -4.3 | -.0 | 2553 |
| 775 | | 65 | 7.7 | -6.9 | -3.3 | | 74 | 9.5 | -9.1 | -2.6 | | 92 | 7.9 | -7.9 | .2 | | 103 | 7.2 | -7.1 | 1.6 | 2276 |
| 800 | | 77 | 11.5 | -11.2 | -2.5 | | 80 | 11.0 | -10.8 | -1.8 | | 106 | 9.0 | -8.6 | 2.5 | | 103 | 9.8 | -9.6 | 2.3 | 2007 |
| 825 | | 86 | 13.2 | -13.1 | -.8 | | 87 | 11.7 | -11.7 | -.7 | | 104 | 8.6 | -8.3 | 2.0 | | 98 | 13.5 | -13.4 | 1.8 | 1745 |
| 850 | | 89 | 13.2 | -13.1 | -.2 | | 95 | 11.5 | -11.5 | 1.0 | | 98 | 9.3 | -9.2 | 1.3 | | 95 | 16.4 | -16.3 | 1.4 | 1490 |
| 875 | | 88 | 13.3 | -13.2 | -.5 | | 96 | 10.9 | -10.8 | 1.1 | | 99 | 11.7 | -11.5 | 1.8 | | 96 | 17.1 | -17.0 | 1.7 | 1242 |
| 900 | | 88 | 12.9 | -12.9 | -.4 | | 88 | 11.5 | -11.5 | -.4 | | 97 | 13.6 | -13.5 | 1.6 | | 91 | 15.7 | -15.7 | .4 | 999 |
| 925 | | 86 | 13.6 | -13.6 | -.9 | | 83 | 12.3 | -12.3 | -1.5 | | 91 | 13.9 | -13.9 | .3 | | 81 | 13.7 | -13.5 | -2.1 | 762 |
| 950 | | 83 | 14.4 | -14.3 | -1.8 | | 82 | 12.0 | -11.9 | -1.6 | | 86 | 12.6 | -12.6 | -.9 | | 72 | 12.5 | -11.9 | -3.8 | 529 |
| 975 | | 83 | 13.9 | -13.8 | -1.8 | | 81 | 11.7 | -11.6 | -1.8 | | 84 | 10.9 | -10.9 | -1.1 | | 71 | 12.6 | -11.9 | -4.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/10 6 0 GMT | | | | 3/10 1135 GMT | | | | 3/10 15 0 GMT | | | | 3/10 1750 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 12.8 | 12.7 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 8.7 | 8.6 | .3 | | 255 | 7.4 | 7.1 | 2.0 | | 269 | 13.6 | 13.6 | .2 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 10.9 | 10.9 | .1 | | 286 | 14.7 | 14.1 | -4.1 | | 295 | 11.6 | 10.5 | -5.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 15.0 | 14.4 | -4.0 | | 290 | 15.3 | 14.3 | -5.3 | | 307 | 16.9 | 13.5 | -10.1 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 20.3 | 18.3 | -8.6 | | 290 | 16.6 | 15.5 | -5.7 | | 293 | 20.5 | 18.9 | -8.1 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 27.7 | 27.1 | -5.8 | | 283 | 21.6 | 21.0 | -4.9 | | 285 | 24.2 | 23.3 | -6.3 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 29.9 | 29.7 | -3.3 | | 287 | 31.5 | 30.2 | -9.0 | | 289 | 25.0 | 23.7 | -8.0 | 15479 |
| 130 | | 274 | 31.7 | 31.6 | -2.4 | | 283 | 30.3 | 29.6 | -6.6 | | 290 | 30.1 | 28.3 | -10.1 | | 283 | 34.2 | 33.3 | -7.9 | 15014 |
| 140 | 3 | 278 | 33.9 | 33.6 | -4.5 | | 283 | 33.7 | 32.8 | -7.7 | | 288 | 32.7 | 31.2 | -9.8 | | 277 | 34.9 | 34.6 | -4.4 | 14578 |
| 150 | 0 | 280 | 27.2 | 26.8 | -4.7 | | 281 | 35.2 | 34.5 | -6.8 | | 282 | 35.3 | 34.6 | -7.2 | | 276 | 33.0 | 32.9 | -3.2 | 14167 |
| 160 | 0 | 279 | 26.8 | 26.5 | -4.1 | | 280 | 34.3 | 33.9 | -5.7 | | 280 | 34.6 | 34.1 | -6.2 | | 282 | 31.5 | 30.8 | -6.5 | 13776 |
| 170 | 3 | 276 | 30.4 | 30.3 | -2.9 | | 280 | 32.6 | 32.1 | -5.7 | | 282 | 35.1 | 34.3 | -7.5 | | 286 | 30.9 | 29.6 | -8.7 | 13404 |
| 180 | | 273 | 30.1 | 30.1 | -1.4 | | 283 | 33.7 | 32.9 | -7.4 | | 282 | 35.1 | 34.3 | -7.2 | | 286 | 32.0 | 30.7 | -9.1 | 13049 |
| 190 | | 273 | 29.6 | 29.6 | -1.6 | | 284 | 34.8 | 33.7 | -8.4 | | 278 | 31.6 | 31.3 | -4.4 | | 286 | 33.2 | 31.8 | -9.2 | 12709 |
| 200 | | 279 | 28.5 | 28.2 | -4.4 | | 286 | 29.9 | 28.8 | -8.0 | | 279 | 30.5 | 30.2 | -4.6 | | 286 | 32.4 | 31.2 | -8.8 | 12383 |
| 225 | | 288 | 27.2 | 25.8 | -8.4 | | 284 | 28.9 | 28.0 | -7.1 | | 287 | 27.8 | 26.6 | -7.9 | | 285 | 29.8 | 28.8 | -7.8 | 11617 |
| 250 | | 293 | 26.1 | 24.0 | -10.2 | | 293 | 24.8 | 22.8 | -9.9 | | 287 | 24.2 | 23.1 | -7.2 | | 291 | 23.8 | 22.2 | -8.5 | 10914 |
| 275 | | 297 | 22.9 | 20.3 | -10.5 | | 301 | 24.5 | 20.9 | -12.7 | | 296 | 25.2 | 22.7 | -11.1 | | 292 | 22.6 | 21.0 | -8.4 | 10262 |
| 300 | | 306 | 17.9 | 14.4 | -10.6 | | | | | | | | | | | | | | | | 9654 |
| 325 | | 308 | 18.5 | 14.6 | -11.4 | | | | | | | | | | | | | | | | 9084 |
| 350 | | 323 | 12.7 | 7.7 | -10.1 | | | | | | | | | | | | | | | | 8546 |
| 375 | | 286 | 9.7 | 9.4 | -2.6 | | | | | | | | | | | | | | | | 8039 |
| 400 | | 259 | 3.6 | 3.6 | .7 | | 271 | 3.2 | 3.2 | -.1 | | | | | | | | | | | 7557 |
| 425 | | 252 | 3.7 | 3.5 | 1.1 | | 238 | 4.7 | 4.0 | 2.4 | 3 | 268 | 4.4 | 4.4 | .2 | | | | | | 7099 |
| 450 | | 276 | 8.3 | 8.2 | -.9 | | 253 | 8.4 | 8.0 | 2.5 | | 254 | 5.0 | 4.8 | 1.4 | | 304 | 3.1 | 2.6 | -1.7 | 6662 |
| 475 | | 285 | 12.1 | 11.7 | -3.2 | | 271 | 11.5 | 11.5 | -.1 | | 272 | 9.5 | 9.5 | -.4 | | 315 | 7.9 | 5.5 | -5.6 | 6244 |
| 500 | | 300 | 8.8 | 7.6 | -4.4 | | 287 | 7.6 | 7.3 | -2.2 | | 279 | 6.2 | 6.1 | -1.0 | | 311 | 6.9 | 5.2 | -4.5 | 5844 |
| 525 | | 303 | 3.6 | 3.0 | -2.0 | | 277 | 4.1 | 4.0 | -.5 | | 258 | 2.9 | 2.8 | .6 | | 288 | 2.5 | 2.4 | -.8 | 5460 |
| 550 | | 14 | .4 | -.1 | -.4 | | 296 | 1.1 | 1.0 | -.5 | | 227 | 1.3 | 1.0 | .9 | | 268 | .7 | .7 | .0 | 5091 |
| 575 | | 138 | 1.0 | -.7 | .7 | | 314 | 2.3 | 1.7 | -1.6 | | 83 | .9 | -.9 | -.1 | | 351 | 1.8 | .3 | -1.8 | 4736 |
| 600 | | 229 | 2.3 | 1.8 | 1.5 | | 278 | 3.4 | 3.4 | -.5 | | 266 | 1.7 | 1.7 | .1 | | 310 | 3.8 | 2.9 | -2.5 | 4393 |
| 625 | | 239 | .9 | .8 | .5 | | 292 | .9 | .8 | -.3 | | 259 | 3.0 | 2.9 | .5 | | 273 | 4.0 | 4.0 | -.2 | 4062 |
| 650 | | 331 | .4 | .2 | -.3 | | 21 | 1.7 | -.6 | -1.6 | | 180 | .3 | -.0 | .3 | | 244 | 2.1 | 1.9 | .9 | 3742 |
| 675 | | 277 | 1.7 | 1.7 | -.2 | | 331 | 1.9 | .9 | -1.6 | | 180 | 1.1 | -.0 | 1.1 | | 230 | 3.1 | 2.4 | 2.0 | 3431 |
| 700 | | 268 | 1.1 | 1.1 | .0 | | 279 | 1.8 | 1.8 | -.3 | | 208 | 3.3 | 1.5 | 2.9 | | 229 | 5.2 | 3.9 | 3.4 | 3130 |
| 725 | | 121 | .4 | -.4 | .2 | | 253 | 1.3 | 1.2 | .4 | | 198 | 3.6 | 1.1 | 3.4 | | 212 | 4.7 | 2.5 | 4.0 | 2837 |
| 750 | | 121 | 2.5 | -2.1 | 1.3 | | 206 | .7 | .3 | .6 | | 168 | 3.8 | -.8 | 3.7 | | 175 | 5.6 | -.5 | 5.6 | 2553 |
| 775 | | 118 | 6.0 | -5.3 | 2.8 | | 145 | 3.2 | -1.8 | 2.6 | | 145 | 5.9 | -3.4 | 4.8 | | 153 | 7.8 | -3.6 | 6.9 | 2276 |
| 800 | | 116 | 9.5 | -8.6 | 4.1 | | 132 | 7.2 | -5.4 | 4.9 | | 133 | 7.5 | -5.5 | 5.1 | | 131 | 8.1 | -6.1 | 5.4 | 2007 |
| 825 | | 115 | 12.0 | -11.0 | 5.0 | | 122 | 9.7 | -8.2 | 5.1 | | 124 | 8.2 | -6.8 | 4.5 | | 109 | 8.8 | -8.3 | 2.8 | 1745 |
| 850 | | 110 | 13.5 | -12.6 | 4.7 | | 112 | 10.7 | -10.0 | 3.9 | | 115 | 8.8 | -8.0 | 3.7 | | 96 | 9.9 | -9.9 | 1.0 | 1490 |
| 875 | | 104 | 14.2 | -13.8 | 3.4 | | 103 | 11.5 | -11.2 | 2.6 | | 105 | 9.4 | -9.1 | 2.4 | | 91 | 10.9 | -10.9 | .1 | 1242 |
| 900 | | 98 | 14.2 | -14.1 | 2.0 | | 96 | 12.0 | -11.9 | 1.2 | | 92 | 9.7 | -9.7 | .3 | | 88 | 11.6 | -11.6 | -.4 | 999 |
| 925 | | 93 | 13.0 | -13.0 | .6 | | 89 | 11.9 | -11.9 | -.2 | | 78 | 9.7 | -9.5 | -2.0 | | 83 | 12.1 | -12.0 | -1.4 | 762 |
| 950 | | 87 | 10.9 | -10.9 | -.6 | | 82 | 11.3 | -11.1 | -1.7 | | 67 | 9.3 | -8.6 | -3.6 | | 76 | 11.5 | -11.2 | -2.7 | 529 |
| 975 | | 82 | 9.1 | -9.0 | -1.3 | | 77 | 10.6 | -10.3 | -2.4 | | 61 | 8.5 | -7.5 | -4.1 | | 70 | 9.9 | -9.3 | -3.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA — PALMYRA ISLAND

| | 3/10 2023 GMT | | | | 3/10 2335 GMT | | | | 3/11 325 GMT | | | | 3/11 555 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 9.7 | 9.7 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 15.5 | 15.4 | .9 | | 256 | 12.0 | 11.6 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 13.2 | 11.6 | -6.5 | | 280 | 7.3 | 7.2 | -1.3 | | 308 | 8.7 | 6.9 | -5.4 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 304 | 15.8 | 13.0 | -8.9 | | 306 | 13.7 | 11.2 | -8.0 | | 322 | 10.9 | 6.6 | -8.6 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 317 | 18.6 | 12.7 | -13.5 | | 330 | 10.4 | 5.1 | -9.0 | 3 | 316 | 11.1 | 7.8 | -8.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 17.4 | 15.1 | -8.7 | | 304 | 22.4 | 18.6 | -12.5 | | 303 | 16.3 | 13.7 | -8.8 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 301 | 24.9 | 21.4 | -12.8 | | 298 | 18.1 | 16.1 | -8.5 | | 297 | 22.7 | 20.2 | -10.4 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 27.3 | 24.7 | -11.7 | | 290 | 23.9 | 22.4 | -8.1 | | 294 | 27.1 | 24.8 | -11.1 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 28.6 | 27.5 | -7.9 | | 286 | 29.2 | 28.0 | -8.0 | | 295 | 29.4 | 26.7 | -12.3 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 31.7 | 31.0 | -6.4 | | 283 | 33.1 | 32.2 | -7.6 | | 281 | 31.7 | 31.1 | -5.9 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 33.5 | 33.3 | -4.1 | | 280 | 35.5 | 35.0 | -5.9 | | 277 | 33.3 | 33.1 | -4.1 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 31.7 | 31.5 | -4.0 | | 277 | 34.1 | 33.8 | -4.0 | | 283 | 32.3 | 31.5 | -7.2 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 28.6 | 28.3 | -3.9 | | 276 | 29.6 | 29.4 | -3.1 | | 283 | 32.3 | 31.4 | -7.2 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 24.9 | 24.7 | -3.1 | | 279 | 27.0 | 26.7 | -4.3 | | 282 | 32.2 | 31.6 | -6.5 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 22.8 | 22.5 | -3.5 | | 281 | 27.5 | 27.0 | -5.2 | | 282 | 30.9 | 30.2 | -6.5 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 23.6 | 23.6 | -1.5 | | 279 | 25.4 | 25.1 | -4.2 | | 283 | 24.9 | 24.2 | -5.6 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 26.6 | 25.6 | -7.3 | | 284 | 22.8 | 22.0 | -5.7 | | 285 | 24.7 | 23.9 | -6.2 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 25.4 | 25.1 | -3.9 | | 287 | 23.3 | 22.3 | -6.9 | | | | | | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 18.5 | 18.3 | -2.9 | | 277 | 19.1 | 19.0 | -2.4 | | | | | | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | | 280 | 16.4 | 16.1 | -2.9 | | | | | | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | | 298 | 15.7 | 13.8 | -7.5 | | | | | | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 312 | 9.6 | 7.1 | -6.4 | | 305 | 11.7 | 9.6 | -6.7 | | 302 | 11.8 | 10.0 | -6.3 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 6.6 | 6.4 | -1.7 | | 304 | 12.0 | 9.9 | -6.8 | | 301 | 11.6 | 9.9 | -6.0 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 306 | 9.9 | 8.0 | -5.8 | | 313 | 12.4 | 9.0 | -8.5 | | 303 | 12.1 | 10.1 | -6.7 | 7099 |
| 450 | | 316 | 7.2 | 5.0 | -5.1 | | 318 | 6.7 | 4.5 | -5.0 | | 316 | 9.2 | 6.4 | -6.6 | | 301 | 9.1 | 7.8 | -4.7 | 6662 |
| 475 | | 302 | 1.9 | 1.6 | -1.0 | | 325 | 7.2 | 4.2 | -5.9 | | 315 | 8.3 | 5.9 | -5.9 | | 307 | 7.4 | 5.9 | -4.4 | 6244 |
| 500 | | 309 | 4.2 | 3.3 | -2.7 | | 328 | 5.5 | 2.9 | -4.7 | | 325 | 8.1 | 4.7 | -6.7 | | 334 | 7.6 | 3.4 | -6.8 | 5844 |
| 525 | | 324 | 6.2 | 3.7 | -5.0 | | 311 | 1.6 | 1.2 | -1.0 | | 309 | 2.6 | 2.1 | -1.7 | | 350 | 3.7 | .6 | -3.6 | 5460 |
| 550 | | 311 | 3.3 | 2.5 | -2.2 | | 335 | 1.0 | .4 | -.9 | | 245 | 2.6 | 2.4 | 1.1 | | 324 | 1.4 | .9 | -1.2 | 5091 |
| 575 | | 289 | 1.6 | 1.5 | -.5 | | 303 | 3.3 | 2.8 | -1.8 | | 258 | 3.9 | 3.8 | .8 | | 304 | 2.4 | 2.0 | -1.4 | 4736 |
| 600 | | 230 | .2 | .2 | .1 | | 275 | 5.8 | 5.8 | -.5 | | 251 | 4.2 | 4.0 | 1.4 | | 247 | 1.7 | 1.6 | .7 | 4393 |
| 625 | | 12 | 1.0 | -.2 | -1.0 | | 259 | 4.3 | 4.2 | .8 | | 261 | 4.5 | 4.4 | .7 | | 219 | 2.2 | 1.4 | 1.7 | 4062 |
| 650 | | 290 | 4.7 | 4.4 | -1.6 | | 271 | 2.8 | 2.8 | -.1 | | 281 | 2.8 | 2.7 | -.5 | | 165 | 2.2 | -.6 | 2.2 | 3742 |
| 675 | | 282 | 5.4 | 5.3 | -1.2 | | 244 | 3.7 | 3.3 | 1.7 | | 195 | 1.1 | .3 | 1.1 | | 130 | 6.0 | -4.6 | 3.8 | 3431 |
| 700 | | 258 | 5.2 | 5.1 | 1.0 | | 189 | 4.8 | .8 | 4.7 | | 163 | 4.6 | -1.3 | 4.4 | | 131 | 8.0 | -6.1 | 5.2 | 3130 |
| 725 | | 213 | 4.6 | 2.5 | 3.9 | | 161 | 6.4 | -2.1 | 6.0 | | 134 | 6.5 | -4.7 | 4.5 | | 144 | 7.9 | -4.6 | 6.5 | 2837 |
| 750 | | 174 | 6.5 | -.7 | 6.5 | | 151 | 7.7 | -3.7 | 6.7 | | 112 | 8.2 | -7.6 | 3.1 | | 140 | 8.8 | -5.6 | 6.8 | 2553 |
| 775 | | 142 | 7.4 | -4.6 | 5.8 | | 142 | 8.2 | -5.1 | 6.4 | | 107 | 9.3 | -8.9 | 2.7 | | 121 | 8.8 | -7.5 | 4.5 | 2276 |
| 800 | | 114 | 7.6 | -6.9 | 3.0 | | 135 | 7.8 | -5.5 | 5.5 | | 117 | 10.2 | -9.1 | 4.7 | | 103 | 7.3 | -7.1 | 1.6 | 2007 |
| 825 | | 105 | 9.9 | -9.6 | 2.5 | | 127 | 8.2 | -6.5 | 4.9 | | 124 | 11.3 | -9.3 | 6.3 | | 97 | 6.9 | -6.8 | .8 | 1745 |
| 850 | | 105 | 10.7 | -10.3 | 2.8 | | 112 | 9.7 | -8.9 | 3.7 | | 116 | 11.5 | -10.4 | 5.0 | | 97 | 6.9 | -6.9 | .9 | 1490 |
| 875 | | 99 | 11.5 | -11.3 | 1.9 | | 99 | 10.9 | -10.7 | 1.7 | | 100 | 11.6 | -11.4 | 2.1 | | 94 | 7.2 | -7.1 | .5 | 1242 |
| 900 | | 91 | 12.0 | -12.0 | .2 | | 86 | 11.1 | -11.1 | -.7 | | 85 | 10.7 | -10.7 | -1.0 | | 84 | 8.4 | -8.3 | -.9 | 999 |
| 925 | | 82 | 10.6 | -10.5 | -1.5 | | 72 | 10.5 | -10.0 | -3.2 | | 70 | 9.6 | -9.1 | -3.2 | | 76 | 10.6 | -10.3 | -2.6 | 762 |
| 950 | | 71 | 9.1 | -8.6 | -2.9 | | 60 | 9.3 | -8.1 | -4.7 | | 58 | 9.6 | -8.1 | -5.1 | | 73 | 11.7 | -11.2 | -3.4 | 529 |
| 975 | | 66 | 9.1 | -8.3 | -3.8 | | 52 | 8.2 | -6.5 | -5.0 | | 43 | 11.2 | -7.6 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/11 835 GMT | | | | 3/11 1115 GMT | | | | 3/11 1810 GMT | | | | 3/11 2355 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 11.2 | 10.8 | 3.2 | 19517 |
| 70 | | 267 | 7.6 | 7.6 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 8.5 | 8.5 | -.1 | | 275 | 7.1 | 7.1 | -.7 | 18589 |
| 80 | | 331 | 7.0 | 3.4 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 15.3 | 15.1 | 2.4 | | 250 | 13.4 | 12.6 | 4.6 | 17801 |
| 90 | | 331 | 9.1 | 4.4 | -7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 8.8 | 8.2 | 3.1 | | 275 | 7.6 | 7.5 | -.6 | 17121 |
| 100 | | 301 | 12.3 | 10.5 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 359 | 7.1 | .1 | -7.1 | | 328 | 7.1 | 3.8 | -6.0 | 16521 |
| 110 | | 293 | 20.4 | 18.8 | -7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 346 | 11.0 | 2.6 | -10.7 | | 329 | 7.7 | 3.9 | -6.6 | 15978 |
| 120 | | 290 | 29.5 | 27.8 | -10.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 351 | 10.7 | 1.6 | -10.6 | | 339 | 10.2 | 3.6 | -9.5 | 15479 |
| 130 | | 288 | 31.6 | 30.0 | -9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 344 | 11.3 | 3.2 | -10.8 | | 325 | 8.8 | 5.0 | -7.2 | 15014 |
| 140 | | 287 | 30.2 | 29.0 | -8.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 307 | 15.7 | 12.5 | -9.4 | | 309 | 10.7 | 8.4 | -6.7 | 14578 |
| 150 | | 285 | 31.9 | 30.8 | -8.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 23.4 | 20.9 | -10.5 | | 299 | 13.7 | 12.0 | -6.7 | 14167 |
| 160 | | 282 | 31.8 | 31.1 | -6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 24.7 | 23.2 | -8.5 | | 292 | 15.2 | 14.1 | -5.6 | 13776 |
| 170 | | 282 | 36.7 | 35.9 | -7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 27.4 | 26.4 | -7.3 | | 286 | 19.2 | 18.4 | -5.4 | 13404 |
| 180 | | 282 | 39.1 | 38.2 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 27.6 | 26.9 | -6.1 | | 273 | 22.5 | 22.5 | -1.3 | 13049 |
| 190 | | 282 | 38.2 | 37.3 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 27.3 | 27.1 | -3.5 | 2 | 269 | 24.1 | 24.1 | .2 | 12709 |
| 200 | | 281 | 33.1 | 32.5 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 27.9 | 27.8 | -1.7 | 0 | 272 | 23.9 | 23.9 | -1.0 | 12383 |
| 225 | | 279 | 29.7 | 29.3 | -4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 28.0 | 27.5 | -5.3 | 0 | 281 | 24.8 | 24.4 | -4.6 | 11617 |
| 250 | | 277 | 26.1 | 25.9 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 29.1 | 27.2 | -10.5 | 0 | 292 | 22.5 | 20.8 | -8.5 | 10914 |
| 275 | | 288 | 18.7 | 17.8 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 22.5 | 20.8 | -8.7 | | 305 | 20.8 | 17.0 | -12.0 | 10262 |
| 300 | | 285 | 16.7 | 16.1 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 303 | 18.0 | 15.1 | -9.9 | | 330 | 16.0 | 8.1 | -13.8 | 9654 |
| 325 | | 299 | 15.7 | 13.7 | -7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 12.3 | 11.7 | -3.6 | | 335 | 13.5 | 5.6 | -12.3 | 9084 |
| 350 | | 313 | 14.5 | 10.6 | -9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 304 | 10.2 | 8.5 | -5.7 | | 342 | 12.8 | 3.9 | -12.2 | 8546 |
| 375 | | 318 | 12.7 | 8.5 | -9.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 315 | 6.5 | 4.6 | -4.5 | | 354 | 10.3 | 1.0 | -10.2 | 8039 |
| 400 | | 309 | 10.5 | 8.2 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 4.4 | 4.3 | -1.1 | | 12 | 6.1 | -1.3 | -5.9 | 7557 |
| 425 | | 304 | 11.0 | 9.1 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 4.9 | 4.9 | .0 | | 341 | 6.6 | 2.2 | -6.2 | 7099 |
| 450 | | 296 | 7.2 | 6.4 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 4.6 | 4.6 | -.2 | | 310 | 6.2 | 4.8 | -4.0 | 6662 |
| 475 | | 318 | 5.2 | 3.5 | -3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 4.5 | 3.9 | -2.3 | | 302 | 3.4 | 2.9 | -1.8 | 6244 |
| 500 | | 348 | 3.1 | .6 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 4.0 | 3.9 | -1.1 | | 345 | 3.0 | .8 | -2.9 | 5844 |
| 525 | | 117 | .6 | -.5 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 318 | 4.4 | 2.9 | -3.3 | | 175 | .8 | -.1 | .8 | 5460 |
| 550 | | 237 | .5 | .4 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 341 | 4.3 | 1.4 | -4.1 | | 111 | 2.1 | -2.0 | .8 | 5091 |
| 575 | | 281 | 1.3 | 1.3 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 332 | 4.5 | 2.1 | -4.0 | | 112 | 1.0 | -.9 | .4 | 4736 |
| 600 | | 143 | 2.9 | -1.7 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 8 | 5.2 | -.7 | -5.1 | | 87 | 2.0 | -2.0 | -.1 | 4393 |
| 625 | | 138 | 6.9 | -4.6 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 29 | 5.4 | -2.6 | -4.8 | | 94 | 5.0 | -5.0 | .4 | 4062 |
| 650 | | 134 | 7.7 | -5.5 | 5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 26 | 4.9 | -2.1 | -4.4 | | 104 | 4.9 | -4.8 | 1.2 | 3742 |
| 675 | | 144 | 5.2 | -3.0 | 4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 39 | 6.0 | -3.8 | -4.7 | | 93 | 3.9 | -3.9 | .2 | 3431 |
| 700 | | 168 | 4.5 | -.9 | 4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 70 | 9.1 | -8.5 | -3.1 | | 67 | 5.1 | -4.7 | -2.0 | 3130 |
| 725 | | 138 | 5.9 | -4.0 | 4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 11.9 | -11.6 | 2.4 | | 73 | 6.0 | -5.8 | -1.7 | 2837 |
| 750 | | 125 | 9.7 | -8.0 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 121 | 12.9 | -11.1 | 6.7 | | 95 | 6.4 | -6.4 | .6 | 2553 |
| 775 | | 128 | 11.6 | -9.2 | 7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 128 | 11.8 | -9.4 | 7.2 | | 101 | 9.2 | -9.0 | 1.8 | 2276 |
| 800 | | 118 | 11.9 | -10.5 | 5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 124 | 11.4 | -9.5 | 6.3 | | 97 | 11.8 | -11.7 | 1.4 | 2007 |
| 825 | | 101 | 11.7 | -11.5 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 11.1 | -10.4 | 3.8 | | 93 | 13.0 | -13.0 | .7 | 1745 |
| 850 | | 91 | 10.5 | -10.5 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 10.3 | -10.3 | 1.3 | | 91 | 13.0 | -13.0 | .3 | 1490 |
| 875 | | 84 | 11.9 | -11.8 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 9.7 | -9.7 | -.2 | | 93 | 12.3 | -12.3 | .5 | 1242 |
| 900 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 80 | 10.1 | -10.0 | -1.7 | | 100 | 12.9 | -12.7 | 2.3 | 999 |
| 925 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 76 | 11.1 | -10.8 | -2.6 | | 105 | 13.6 | -13.1 | 3.6 | 762 |
| 950 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 79 | 11.4 | -11.2 | -2.2 | | 102 | 10.5 | -10.3 | 2.3 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 11.5 | -11.5 | -1.1 | | 95 | 7.0 | -7.0 | .6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/12 312 GMT | | | | 3/12 535 GMT | | | | 3/12 1155 GMT | | | | 3/12 1810 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 14.2 | 14.1 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 280 | 8.5 | 8.3 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 11.2 | 11.1 | -1.4 | | 258 | 6.8 | 6.6 | 1.5 | 18589 |
| 80 | | 258 | 11.8 | 11.5 | 2.4 | | 248 | 10.2 | 9.4 | 3.8 | | 246 | 12.7 | 11.6 | 5.1 | | 281 | 11.6 | 11.3 | -2.2 | 17801 |
| 90 | | 233 | 4.3 | 3.4 | 2.6 | | 230 | 7.7 | 5.9 | 4.9 | | 237 | 16.5 | 13.7 | 9.0 | | 243 | 11.2 | 10.0 | 5.0 | 17121 |
| 100 | | 298 | 2.1 | 1.9 | -1.0 | | 228 | 2.7 | 2.0 | 1.8 | | 291 | 3.7 | 3.4 | -1.3 | | 323 | 7.4 | 4.4 | -5.9 | 16521 |
| 110 | | 308 | 7.0 | 5.5 | -4.3 | | 303 | 4.4 | 3.7 | -2.4 | | 306 | 5.7 | 4.6 | -3.4 | | 294 | 10.7 | 9.8 | -4.3 | 15978 |
| 120 | | 338 | 9.3 | 3.4 | -8.7 | | 326 | 6.9 | 3.9 | -5.7 | | 249 | 2.2 | 2.1 | .8 | | 279 | 8.0 | 7.9 | -1.2 | 15479 |
| 130 | | 335 | 13.4 | 5.6 | -12.2 | | 352 | 13.7 | 1.9 | -13.6 | | 5 | 4.9 | -.4 | -4.8 | | 330 | 8.6 | 4.3 | -7.5 | 15014 |
| 140 | | 331 | 10.8 | 5.2 | -9.5 | | 339 | 15.3 | 5.6 | -14.2 | | 338 | 14.5 | 5.4 | -13.4 | | 340 | 13.9 | 4.8 | -13.0 | 14578 |
| 150 | | 308 | 20.5 | 16.2 | -12.6 | | 324 | 16.1 | 9.5 | -13.1 | | | | | | | 329 | 14.1 | 7.2 | -12.2 | 14167 |
| 160 | | 304 | 19.1 | 15.8 | -10.7 | | 311 | 16.2 | 12.2 | -10.6 | | 312 | 18.2 | 13.5 | -12.3 | | 325 | 13.4 | 7.7 | -11.0 | 13776 |
| 170 | | 286 | 18.2 | 17.6 | -4.9 | | 293 | 15.7 | 14.4 | -6.2 | | 299 | 13.7 | 12.0 | -6.6 | | 322 | 12.3 | 7.5 | -9.7 | 13404 |
| 180 | | 285 | 16.8 | 16.3 | -4.3 | | 279 | 14.0 | 13.9 | -2.1 | | 292 | 13.7 | 12.7 | -5.2 | | 316 | 11.5 | 8.0 | -8.3 | 13049 |
| 190 | | 288 | 9.8 | 9.4 | -3.0 | | 269 | 12.2 | 12.2 | .2 | | 280 | 12.4 | 12.2 | -2.1 | | 318 | 11.3 | 7.5 | -8.4 | 12709 |
| 200 | | 282 | 12.6 | 12.3 | -2.6 | | 263 | 13.4 | 13.3 | 1.6 | | 267 | 10.5 | 10.5 | .5 | | 324 | 11.5 | 6.8 | -9.3 | 12383 |
| 225 | | 274 | 18.0 | 17.9 | -1.2 | | 270 | 15.5 | 15.5 | .1 | | 292 | 14.5 | 13.5 | -5.5 | | 312 | 13.8 | 10.3 | -9.2 | 11617 |
| 250 | | 285 | 19.1 | 18.5 | -5.0 | | 305 | 18.2 | 14.9 | -10.4 | 1 | 292 | 12.8 | 11.9 | -4.8 | | 311 | 7.1 | 5.4 | -4.7 | 10914 |
| 275 | | 316 | 16.9 | 11.8 | -12.1 | | 314 | 17.3 | 12.4 | -12.0 | | 324 | 8.8 | 5.2 | -7.1 | | 349 | 10.2 | 2.0 | -10.0 | 10262 |
| 300 | | 339 | 13.9 | 5.0 | -12.9 | | 327 | 11.3 | 6.2 | -9.5 | | 323 | 6.7 | 4.1 | -5.3 | | 339 | 9.5 | 3.4 | -8.8 | 9654 |
| 325 | | 348 | 14.5 | 3.0 | -14.1 | | 360 | 12.4 | .1 | -12.4 | | 352 | 9.6 | 1.3 | -9.5 | | 327 | 7.4 | 4.1 | -6.2 | 9084 |
| 350 | | 348 | 12.6 | 2.6 | -12.3 | | 350 | 11.6 | 2.1 | -11.4 | | 8 | 13.0 | -1.8 | -12.8 | | 12 | 9.9 | -2.1 | -9.7 | 8546 |
| 375 | | 339 | 8.3 | 3.0 | -7.8 | | 348 | 9.9 | 2.0 | -9.7 | | 16 | 13.0 | -3.6 | -12.5 | | 12 | 12.3 | -2.5 | -12.1 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 344 | 7.4 | 2.0 | -7.1 | | 22 | 9.6 | -3.5 | -8.9 | | 33 | 7.8 | -4.3 | -6.5 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 301 | 5.0 | 4.3 | -2.6 | | 1 | 7.8 | -.2 | -7.8 | | 40 | 4.6 | -3.0 | -3.5 | 7099 |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 308 | 7.8 | 6.2 | -4.8 | | 322 | 5.4 | 3.3 | -4.3 | | 10 | 6.1 | -1.1 | -6.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 5.1 | 3.4 | -3.8 | | 292 | 7.1 | 6.6 | -2.7 | | 278 | 3.9 | 3.9 | -.5 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 4.8 | 4.1 | -2.4 | | 284 | 4.3 | 4.1 | -1.1 | | 252 | 7.1 | 6.7 | 2.2 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 252 | 1.2 | 1.1 | .4 | | 273 | 2.9 | 2.9 | -.2 | | 248 | 3.6 | 3.3 | 1.3 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 189 | .9 | .1 | .9 | | 238 | 3.0 | 2.5 | 1.6 | | 212 | 2.3 | 1.2 | 1.9 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 196 | 4.0 | 1.1 | 3.8 | | 239 | 4.1 | 3.5 | 2.1 | | 201 | 1.9 | .7 | 1.8 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 175 | 5.6 | -.5 | 5.6 | | 208 | 2.8 | 1.3 | 2.5 | | 324 | .6 | .3 | -.5 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 159 | 6.3 | -2.2 | 5.9 | | 198 | 2.8 | .9 | 2.7 | | 122 | 1.9 | -1.6 | 1.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 141 | 4.8 | -3.0 | 3.7 | | 155 | 3.0 | -1.2 | 2.7 | | 118 | 3.4 | -3.0 | 1.6 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 4.6 | -4.6 | .1 | | 119 | 3.7 | -3.3 | 1.8 | | 81 | 4.4 | -4.4 | -.7 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 76 | 5.4 | -5.2 | -1.3 | | 83 | 5.1 | -5.1 | -.6 | | 58 | 6.1 | -5.2 | -3.2 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 81 | 5.5 | -5.4 | -.9 | | 76 | 7.5 | -7.3 | -1.8 | | 65 | 8.7 | -7.9 | -3.6 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 7.5 | -7.5 | -.2 | | 82 | 7.7 | -7.7 | -1.1 | | 79 | 9.2 | -9.1 | -1.7 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 96 | 9.2 | -9.1 | .9 | | 81 | 7.8 | -7.7 | -1.2 | | 80 | 9.2 | -9.0 | -1.6 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 100 | 10.0 | -9.8 | 1.7 | | 80 | 9.6 | -9.4 | -1.6 | | 83 | 10.2 | -10.1 | -1.2 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 99 | 10.5 | -10.4 | 1.6 | | 86 | 11.4 | -11.4 | -.7 | | 92 | 10.8 | -10.8 | .3 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 99 | 11.0 | -10.8 | 1.7 | | 93 | 12.0 | -12.0 | .5 | | 100 | 11.1 | -10.9 | 1.9 | 1490 |
| 875 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 11.5 | -11.2 | 2.4 | | 94 | 11.8 | -11.8 | .8 | | 103 | 11.2 | -10.9 | 2.5 | 1242 |
| 900 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 106 | 11.7 | -11.3 | 3.1 | | 92 | 11.9 | -11.9 | .4 | | 98 | 10.8 | -10.7 | 1.6 | 999 |
| 925 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 106 | 10.5 | -10.1 | 2.8 | | 87 | 11.7 | -11.6 | -.6 | | 92 | 10.2 | -10.2 | .4 | 762 |
| 950 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 104 | 8.5 | -8.2 | 2.0 | | 81 | 10.6 | -10.5 | -1.7 | | 88 | 9.5 | -9.5 | -.4 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 81 | 10.0 | -9.9 | -1.6 | | 82 | 9.4 | -9.3 | -1.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/12 2351 GMT | | | | 3/13 555 GMT | | | | 3/16 255 GMT | | | | 3/16 535 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 270 | 15.0 | 15.0 | -.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 241 | 5.4 | 4.8 | 2.7 | 244 | 9.7 | 8.7 | 4.2 | | | | | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 269 | 12.0 | 12.0 | .3 | 280 | 8.3 | 8.2 | -1.4 | 219 | 10.6 | 6.7 | 8.2 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 256 | 11.8 | 11.5 | 3.0 | 245 | 10.8 | 9.8 | 4.5 | 278 | 7.3 | 7.2 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 299 | 4.3 | 3.8 | -2.1 | 254 | 6.1 | 5.9 | 1.7 | 340 | 9.7 | 3.3 | -9.2 | 0 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 294 | 9.2 | 8.4 | -3.7 | 278 | 6.4 | 6.3 | -.9 | 334 | 10.7 | 4.7 | -9.6 | 0 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 277 | 7.9 | 7.8 | -.9 | 326 | 7.2 | 4.0 | -6.0 | 328 | 9.5 | 5.0 | -8.1 | 0 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 328 | 10.0 | 5.3 | -8.4 | 348 | 12.1 | 2.5 | -11.9 | 352 | 9.7 | 1.4 | -9.6 | 0 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 333 | 14.1 | 6.3 | -12.6 | 338 | 15.5 | 5.9 | -14.3 | 354 | 11.7 | 1.3 | -11.6 | 0 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 324 | 14.8 | 8.8 | -12.0 | 330 | 16.8 | 8.4 | -14.6 | 336 | 13.3 | 5.4 | -12.2 | 0 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 325 | 16.5 | 9.4 | -13.6 | 320 | 15.1 | 9.6 | -11.7 | 336 | 12.0 | 4.8 | -11.0 | 0 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 326 | 16.2 | 9.1 | -13.4 | 309 | 15.3 | 11.9 | -9.6 | 328 | 10.0 | 5.3 | -8.5 | 0 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 331 | 12.4 | 5.9 | -10.9 | 305 | 17.3 | 14.2 | -9.8 | 314 | 10.1 | 7.2 | -7.0 | 0 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 335 | 9.3 | 3.9 | -8.4 | 304 | 13.0 | 10.9 | -7.2 | 306 | 11.4 | 9.2 | -6.6 | 0 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 343 | 7.7 | 2.2 | -7.4 | 312 | 8.3 | 6.1 | -5.5 | 300 | 11.7 | 10.1 | -5.9 | 0 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 348 | 10.9 | 2.3 | -10.7 | 333 | 9.5 | 4.3 | -8.4 | 297 | 15.1 | 13.5 | -6.8 | 0 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 343 | 13.6 | 3.9 | -13.1 | 7 | 14.0 | -1.7 | -13.9 | 301 | 17.3 | 14.9 | -8.9 | 0 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 349 | 13.3 | 2.6 | -13.0 | 4 | 12.3 | -.8 | -12.3 | 303 | 14.6 | 12.2 | -7.9 | 0 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 340 | 11.3 | 3.8 | -10.6 | 356 | 12.3 | .8 | -12.3 | 301 | 9.5 | 8.2 | -4.9 | 0 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 337 | 9.0 | 3.4 | -8.3 | 343 | 9.9 | 2.9 | -9.5 | 316 | 7.1 | 5.0 | -5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 358 | 11.2 | .5 | -11.2 | 341 | 8.0 | 2.7 | -7.6 | 325 | 5.6 | 3.2 | -4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 3 | 9.7 | -.5 | -9.7 | 5 | 9.2 | -.8 | -9.2 | 306 | 4.2 | 3.4 | -2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 12 | 11.4 | -2.3 | -11.2 | 28 | 12.0 | -5.7 | -10.5 | 261 | 5.6 | 5.5 | .9 | 0 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 27 | 9.8 | -4.4 | -8.7 | 48 | 8.7 | -6.4 | -5.8 | 264 | 4.6 | 4.6 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | 36 | 4.7 | -2.8 | -3.8 | 45 | 6.6 | -4.7 | -4.7 | 317 | 3.2 | 2.2 | -2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 222 | 2.2 | 1.5 | 1.6 | 26 | 3.0 | -1.3 | -2.7 | 343 | 4.2 | 1.3 | -4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 210 | 5.2 | 2.6 | 4.5 | 215 | 3.8 | 2.2 | 3.1 | 22 | 3.4 | -1.3 | -3.2 | 0 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 233 | 2.2 | 1.7 | 1.3 | 250 | 1.5 | 1.5 | .5 | 51 | 3.3 | -2.6 | -2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 201 | 2.4 | .9 | 2.3 | 281 | .9 | .9 | -.2 | 39 | 1.3 | -.8 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 4 | .1 | -.0 | -.1 | 354 | .8 | .1 | -.8 | 70 | 1.5 | -1.4 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 90 | 1.2 | -1.2 | .0 | 37 | 2.2 | -1.3 | -1.7 | 93 | 2.1 | -2.1 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 143 | 1.9 | -1.1 | 1.5 | 103 | 3.5 | -3.4 | .8 | 27 | 1.5 | -.7 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 80 | 2.5 | -2.4 | -.4 | 72 | 5.5 | -5.3 | -1.7 | 93 | 4.4 | -4.3 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 55 | 6.3 | -5.2 | -3.6 | 61 | 8.8 | -7.7 | -4.2 | 128 | 9.2 | -7.3 | 5.7 | 0 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 59 | 8.7 | -7.5 | -4.5 | 66 | 10.0 | -9.1 | -4.1 | 141 | 10.0 | -6.3 | 7.7 | 0 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 79 | 9.2 | -9.0 | -1.7 | 79 | 10.0 | -9.8 | -1.9 | 127 | 8.9 | -7.1 | 5.4 | 0 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 86 | 9.0 | -9.0 | -.6 | 86 | 10.9 | -10.8 | -.7 | 112 | 7.8 | -7.2 | 2.9 | 0 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 73 | 9.4 | -9.0 | -2.7 | 0 0 | 0.0 | 0.0 | 0.0 | 110 | 7.5 | -7.0 | 2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 82 | 10.5 | -10.4 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 104 | 7.4 | -7.2 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 95 | 11.7 | -11.6 | .9 | 0 0 | 0.0 | 0.0 | 0.0 | 100 | 7.3 | -7.2 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 97 | 12.2 | -12.1 | 1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 99 | 7.8 | -7.7 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 92 | 11.9 | -11.9 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 93 | 8.5 | -8.5 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 90 | 11.9 | -11.9 | -.0 | 0 0 | 0.0 | 0.0 | 0.0 | 90 | 8.8 | -8.8 | .0 | 0 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | 88 | 12.0 | -12.0 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 91 | 8.7 | -8.7 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | 80 | 12.1 | -11.9 | -2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 89 | 7.6 | -7.6 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | 74 | 11.0 | -10.5 | -3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 80 | 5.8 | -5.8 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/16 1130 GMT | | | | 3/16 1445 GMT | | | | | 3/17 9 0 GMT | | | | | 3/17 1213 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 266 | 18.0 | 18.0 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 12.7 | 12.2 | -3.4 | 19517 |
| 70 | | 261 | 20.2 | 19.9 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 22.3 | 21.9 | 4.1 | | 268 | 18.4 | 18.4 | .5 | 18589 |
| 80 | | 251 | 10.0 | 9.5 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 13.2 | 13.1 | 1.6 | | 260 | 14.7 | 14.4 | 2.7 | 17801 |
| 90 | | 230 | 8.4 | 6.4 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 238 | 10.1 | 8.6 | 5.4 | | 247 | 11.8 | 10.9 | 4.5 | 17121 |
| 100 | | 356 | 6.8 | .5 | -6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 13.6 | 13.6 | .1 | | 253 | 8.4 | 8.0 | 2.4 | 16521 |
| 110 | | 1 | 7.4 | -.1 | -7.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 309 | 2.6 | 2.0 | -1.6 | | 290 | 5.4 | 5.1 | -1.9 | 15978 |
| 120 | | 344 | 5.5 | 1.5 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 4.4 | 3.9 | -2.0 | | 306 | 6.3 | 5.1 | -3.7 | 15479 |
| 130 | | 359 | 6.8 | .1 | -6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 4.5 | 3.9 | -2.1 | | 300 | 7.0 | 6.1 | -3.5 | 15014 |
| 140 | | 1 | 9.3 | -.2 | -9.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 3.6 | 3.4 | -1.3 | | 304 | 7.4 | 6.1 | -4.2 | 14578 |
| 150 | | 353 | 10.0 | 1.2 | -9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 4.6 | 4.1 | -2.2 | | 311 | 8.7 | 6.6 | -5.7 | 14167 |
| 160 | | 356 | 8.6 | .7 | -8.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 4.8 | 4.6 | -1.4 | | 313 | 9.3 | 6.8 | -6.3 | 13776 |
| 170 | | 343 | 8.3 | 2.4 | -7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 5.2 | 4.8 | -1.8 | | 304 | 8.4 | 7.0 | -4.6 | 13404 |
| 180 | | 331 | 8.1 | 4.0 | -7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 5.6 | 5.4 | -1.7 | | 296 | 7.9 | 7.1 | -3.5 | 13049 |
| 190 | 3 | 324 | 9.6 | 5.6 | -7.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 301 | 7.4 | 6.4 | -3.8 | | 295 | 8.4 | 7.6 | -3.6 | 12709 |
| 200 | 3 | 316 | 9.0 | 6.3 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 320 | 6.7 | 4.3 | -5.1 | | 296 | 8.3 | 7.4 | -3.7 | 12383 |
| 225 | | | | | | 0 | 0 | 0.0 | 0.0 | 0.0 | | 326 | 9.5 | 5.3 | -7.8 | | 309 | 8.2 | 6.3 | -5.2 | 11617 |
| 250 | | 268 | 5.4 | 5.4 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 328 | 6.8 | 3.6 | -5.8 | | 303 | 6.1 | 5.1 | -3.3 | 10914 |
| 275 | | 286 | 9.2 | 8.8 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 4.5 | 4.4 | .9 | | 280 | 4.5 | 4.4 | -.8 | 10262 |
| 300 | | 277 | 11.1 | 11.0 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 9.9 | 9.7 | 2.2 | | 266 | 7.5 | 7.4 | .5 | 9654 |
| 325 | | 270 | 8.4 | 8.4 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 14.9 | 14.3 | 4.3 | | 252 | 14.9 | 14.2 | 4.6 | 9084 |
| 350 | | 287 | 6.2 | 5.9 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 10.8 | 10.8 | .7 | | 257 | 10.4 | 10.2 | 2.4 | 8546 |
| 375 | | 245 | 4.9 | 4.4 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 235 | 9.4 | 7.7 | 5.4 | | 245 | 9.1 | 8.2 | 3.8 | 8039 |
| 400 | | 263 | 5.6 | 5.6 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 244 | 9.0 | 8.1 | 3.9 | | 251 | 7.9 | 7.4 | 2.6 | 7557 |
| 425 | | 242 | 5.0 | 4.5 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 254 | 10.5 | 10.1 | 2.8 | | 258 | 9.7 | 9.5 | 2.0 | 7099 |
| 450 | | 266 | 2.6 | 2.6 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 6.1 | 6.0 | 1.5 | | 253 | 7.7 | 7.4 | 2.2 | 6662 |
| 475 | | 262 | 1.9 | 1.9 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 212 | 2.1 | 1.1 | 1.8 | | 226 | .9 | .6 | .6 | 6244 |
| 500 | | 195 | 1.4 | .4 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 152 | 1.9 | -.9 | 1.6 | | 129 | .5 | -.4 | .3 | 5844 |
| 525 | | 90 | .9 | -.9 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 197 | 1.0 | .3 | 1.0 | | 230 | .5 | .4 | .4 | 5460 |
| 550 | | 116 | 1.3 | -1.1 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 353 | .7 | .1 | -.7 | | 45 | .6 | -.4 | -.4 | 5091 |
| 575 | | 173 | 2.2 | -.3 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 52 | 2.5 | -1.9 | -1.5 | | 69 | 2.5 | -2.3 | -.9 | 4736 |
| 600 | | 173 | 1.4 | -.2 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 53 | 3.3 | -2.7 | -2.0 | | 66 | 4.1 | -3.7 | -1.6 | 4393 |
| 625 | | 75 | 2.5 | -2.4 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 5.5 | -5.5 | -.2 | | 89 | 3.7 | -3.7 | -.1 | 4062 |
| 650 | | 103 | 4.7 | -4.6 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 124 | 5.5 | -4.5 | 3.0 | | 119 | 3.3 | -2.9 | 1.6 | 3742 |
| 675 | | 125 | 8.3 | -6.9 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 131 | 5.9 | -4.5 | 3.8 | | 112 | 4.2 | -3.8 | 1.6 | 3431 |
| 700 | | 133 | 9.4 | -6.9 | 6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 112 | 7.5 | -6.9 | 2.8 | | 98 | 6.2 | -6.1 | .9 | 3130 |
| 725 | | 120 | 7.2 | -6.3 | 3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 7.6 | -7.4 | 1.6 | | 94 | 8.2 | -8.2 | .6 | 2837 |
| 750 | | 96 | 6.9 | -6.9 | .7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 95 | 7.1 | -7.1 | .7 | | 98 | 9.6 | -9.5 | 1.3 | 2553 |
| 775 | | 91 | 6.9 | -6.9 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 95 | 8.5 | -8.5 | .7 | | 100 | 9.8 | -9.6 | 1.7 | 2276 |
| 800 | | 83 | 7.1 | -7.0 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 98 | 10.2 | -10.1 | 1.4 | | 100 | 9.8 | -9.7 | 1.7 | 2007 |
| 825 | | 72 | 7.7 | -7.3 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 100 | 11.1 | -11.0 | 1.9 | | 103 | 10.6 | -10.3 | 2.4 | 1745 |
| 850 | | 71 | 7.8 | -7.4 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 101 | 11.4 | -11.2 | 2.2 | | 107 | 11.7 | -11.2 | 3.4 | 1490 |
| 875 | | 71 | 7.6 | -7.2 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 11.5 | -11.2 | 2.5 | | 108 | 12.5 | -11.9 | 3.9 | 1242 |
| 900 | | 70 | 6.8 | -6.4 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 104 | 11.7 | -11.4 | 2.8 | | 110 | 12.7 | -11.9 | 4.2 | 999 |
| 925 | | 74 | 5.7 | -5.5 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 105 | 11.3 | -10.9 | 3.0 | | 111 | 11.9 | -11.1 | 4.2 | 762 |
| 950 | | 74 | 5.1 | -4.9 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 105 | 9.6 | -9.2 | 2.6 | | 111 | 10.6 | -9.9 | 3.7 | 529 |
| 975 | | 67 | 5.4 | -5.0 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 7.9 | -7.7 | 1.7 | | 108 | 9.1 | -8.7 | 2.8 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/17 18 7 GMT | | | | 3/17 2317 GMT | | | | 3/18 553 GMT | | | | 3/18 1229 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 13.4 | 13.4 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 11.9 | 11.5 | 2.8 | 19517 |
| 70 | | 269 | 15.9 | 15.9 | .2 | | 270 | 11.8 | 11.8 | .0 | | 288 | 16.7 | 15.8 | -5.3 | | 285 | 14.7 | 14.1 | -3.9 | 18589 |
| 80 | | 281 | 16.0 | 15.7 | -3.2 | | 269 | 11.9 | 11.9 | .2 | | 268 | 14.8 | 14.8 | .5 | | 289 | 19.1 | 18.0 | -6.4 | 17801 |
| 90 | | 265 | 9.7 | 9.7 | .9 | | 285 | 13.9 | 13.4 | -3.7 | | 265 | 8.8 | 8.7 | .8 | | 269 | 17.2 | 17.2 | .3 | 17121 |
| 100 | 3 | 259 | 10.4 | 10.2 | 1.9 | | 278 | 16.4 | 16.2 | -2.2 | | 260 | 9.1 | 9.0 | 1.6 | | 265 | 10.6 | 10.6 | 1.0 | 16521 |
| 110 | 3 | 278 | 6.5 | 6.4 | -.9 | | 279 | 15.7 | 15.5 | -2.5 | | 243 | 9.3 | 8.3 | 4.1 | | 248 | 13.1 | 12.1 | 5.0 | 15978 |
| 120 | | 291 | 8.4 | 7.9 | -3.0 | | 275 | 12.0 | 12.0 | -1.0 | | 253 | 9.6 | 9.1 | 2.8 | | 254 | 15.0 | 14.4 | 4.2 | 15479 |
| 130 | | 286 | 9.2 | 8.8 | -2.5 | | 270 | 9.7 | 9.7 | -.0 | | 261 | 9.7 | 9.6 | 1.5 | | 253 | 13.2 | 12.6 | 3.9 | 15014 |
| 140 | | 295 | 8.4 | 7.6 | -3.5 | | 256 | 9.1 | 8.8 | 2.2 | | 281 | 10.5 | 10.3 | -2.0 | | 271 | 12.7 | 12.7 | -.2 | 14578 |
| 150 | | 308 | 12.2 | 9.7 | -7.5 | | 241 | 6.8 | 5.9 | 3.4 | | 292 | 13.2 | 12.2 | -5.0 | | 282 | 14.4 | 14.1 | -3.0 | 14167 |
| 160 | | 309 | 15.9 | 12.3 | -10.1 | | 264 | 7.0 | 6.9 | .8 | | 289 | 13.7 | 12.9 | -4.6 | | 281 | 14.1 | 13.8 | -2.6 | 13776 |
| 170 | | 313 | 15.1 | 11.1 | -10.2 | | 265 | 7.6 | 7.5 | .6 | | 289 | 13.1 | 12.3 | -4.3 | | 285 | 13.1 | 12.6 | -3.5 | 13404 |
| 180 | | 317 | 12.6 | 8.6 | -9.1 | | 275 | 8.1 | 8.1 | -.7 | | 297 | 12.4 | 11.0 | -5.7 | | 288 | 12.5 | 11.8 | -4.0 | 13049 |
| 190 | | 313 | 10.5 | 7.7 | -7.2 | | 292 | 10.0 | 9.2 | -3.8 | | 302 | 11.5 | 9.8 | -6.2 | | 289 | 12.9 | 12.1 | -4.3 | 12709 |
| 200 | | 310 | 10.7 | 8.2 | -6.9 | | 299 | 10.1 | 8.9 | -4.9 | | 302 | 10.9 | 9.2 | -5.9 | | 291 | 12.0 | 11.3 | -4.2 | 12383 |
| 225 | | 313 | 13.9 | 10.2 | -9.4 | | 291 | 12.7 | 11.8 | -4.6 | | 289 | 11.7 | 11.1 | -3.8 | | 287 | 14.3 | 13.7 | -4.2 | 11617 |
| 250 | | 311 | 8.2 | 6.1 | -5.4 | | 300 | 12.9 | 11.1 | -6.5 | | 269 | 10.1 | 10.1 | .1 | | 272 | 12.7 | 12.7 | -.5 | 10914 |
| 275 | | 286 | 7.6 | 7.3 | -2.1 | | 310 | 11.5 | 8.8 | -7.4 | | 256 | 9.4 | 9.1 | 2.2 | | 252 | 12.3 | 11.7 | 3.8 | 10262 |
| 300 | | 255 | 3.9 | 3.8 | 1.0 | | 300 | 8.7 | 7.5 | -4.4 | | 247 | 10.2 | 9.4 | 4.0 | | 239 | 11.8 | 10.1 | 6.1 | 9654 |
| 325 | | 241 | 9.4 | 8.3 | 4.5 | | 290 | 5.9 | 5.6 | -2.0 | | 264 | 10.3 | 10.3 | 1.0 | | 257 | 9.2 | 9.0 | 2.1 | 9084 |
| 350 | | 244 | 11.5 | 10.3 | 5.0 | | 268 | 5.3 | 5.3 | .2 | | 265 | 12.5 | 12.4 | 1.0 | | 269 | 10.0 | 10.0 | .1 | 8546 |
| 375 | | 243 | 9.6 | 8.6 | 4.3 | | 265 | 4.1 | 4.1 | .3 | | 266 | 9.8 | 9.8 | .8 | | 269 | 11.2 | 11.2 | .2 | 8039 |
| 400 | | 237 | 9.3 | 7.8 | 5.1 | | 278 | 4.8 | 4.8 | -.7 | | 260 | 8.5 | 8.4 | 1.5 | | 279 | 8.0 | 7.9 | -1.2 | 7557 |
| 425 | | 253 | 10.1 | 9.6 | 2.9 | | 273 | 6.3 | 6.2 | -.3 | | 268 | 8.0 | 8.0 | .3 | | 272 | 7.2 | 7.2 | -.2 | 7099 |
| 450 | | 255 | 8.7 | 8.4 | 2.3 | | 258 | 9.4 | 9.2 | 1.9 | | 278 | 9.0 | 8.9 | -1.2 | | 283 | 9.0 | 8.8 | -1.9 | 6662 |
| 475 | | 261 | 2.0 | 1.9 | .3 | | 251 | 6.8 | 6.4 | 2.2 | | 303 | 5.7 | 4.8 | -3.1 | | 303 | 6.6 | 5.5 | -3.6 | 6244 |
| 500 | | 282 | 1.3 | 1.2 | -.3 | | 229 | 6.5 | 4.9 | 4.3 | | 356 | 4.2 | .3 | -4.2 | | 356 | 5.5 | .4 | -5.4 | 5844 |
| 525 | | 299 | 1.1 | .9 | -.5 | | 241 | 5.9 | 5.2 | 2.9 | | 36 | 5.7 | -3.3 | -4.6 | | 32 | 4.6 | -2.4 | -3.9 | 5460 |
| 550 | | 305 | 3.9 | 3.2 | -2.3 | | 255 | 4.6 | 4.5 | 1.2 | | 58 | 6.3 | -5.3 | -3.3 | | 51 | 6.0 | -4.6 | -3.8 | 5091 |
| 575 | | 38 | 3.4 | -2.1 | -2.7 | | 279 | 2.6 | 2.5 | -.4 | | 79 | 7.2 | -7.1 | -1.4 | | 73 | 7.4 | -7.1 | -2.2 | 4736 |
| 600 | | 80 | 7.2 | -7.1 | -1.3 | | 58 | 2.0 | -1.7 | -1.1 | | 93 | 9.3 | -9.3 | .4 | | 86 | 10.2 | -10.2 | -.8 | 4393 |
| 625 | | 104 | 6.9 | -6.7 | 1.6 | | 354 | 1.5 | .2 | -1.5 | | 83 | 9.7 | -9.6 | -1.1 | | 83 | 12.1 | -12.0 | -1.6 | 4062 |
| 650 | | 116 | 5.8 | -5.2 | 2.5 | | 322 | 1.6 | 1.0 | -1.3 | | 88 | 10.6 | -10.6 | -.4 | | 83 | 12.8 | -12.7 | -1.6 | 3742 |
| 675 | | 114 | 4.6 | -4.2 | 1.9 | | 92 | 3.6 | -3.6 | .2 | | 94 | 9.2 | -9.1 | .7 | | 84 | 13.5 | -13.4 | -1.5 | 3431 |
| 700 | | 99 | 5.7 | -5.6 | .9 | | 97 | 9.4 | -9.3 | 1.1 | | 89 | 8.1 | -8.1 | -.1 | | 84 | 13.7 | -13.6 | -1.4 | 3130 |
| 725 | | 89 | 7.8 | -7.8 | -.1 | | 100 | 10.4 | -10.3 | 1.9 | | 90 | 11.1 | -11.1 | -.0 | | 89 | 13.5 | -13.5 | -.2 | 2837 |
| 750 | | 89 | 9.7 | -9.7 | -.2 | | 101 | 11.0 | -10.8 | 2.0 | | 92 | 13.0 | -13.0 | .4 | | 94 | 13.6 | -13.5 | .8 | 2553 |
| 775 | | 93 | 11.4 | -11.4 | .7 | | 100 | 11.0 | -10.8 | 2.0 | | 89 | 11.4 | -11.4 | -.3 | | 92 | 13.2 | -13.2 | .4 | 2276 |
| 800 | | 96 | 12.3 | -12.3 | 1.3 | | 99 | 10.6 | -10.4 | 1.7 | | 81 | 10.9 | -10.7 | -1.8 | | 92 | 14.1 | -14.1 | .4 | 2007 |
| 825 | | 97 | 12.4 | -12.4 | 1.5 | | 99 | 9.5 | -9.4 | 1.5 | | 79 | 12.9 | -12.6 | -2.4 | | 95 | 16.0 | -16.0 | 1.4 | 1745 |
| 850 | | 99 | 13.1 | -12.9 | 2.0 | | 95 | 9.6 | -9.5 | .9 | | 87 | 12.7 | -12.7 | -.6 | | 96 | 16.3 | -16.2 | 1.7 | 1490 |
| 875 | | 100 | 14.5 | -14.2 | 2.6 | | 86 | 12.3 | -12.3 | -1.0 | | 97 | 14.9 | -14.8 | 1.8 | | 95 | 14.8 | -14.7 | 1.3 | 1242 |
| 900 | | 102 | 14.9 | -14.6 | 3.2 | | 88 | 13.4 | -13.4 | -.5 | | 102 | 11.1 | -10.9 | 2.4 | | 98 | 13.7 | -13.6 | 2.0 | 999 |
| 925 | | 105 | 13.7 | -13.3 | 3.6 | | 96 | 11.7 | -11.6 | 1.3 | | 107 | 8.3 | -7.9 | 2.4 | | 104 | 13.4 | -13.0 | 3.3 | 762 |
| 950 | | 106 | 11.6 | -11.1 | 3.3 | | 100 | 9.9 | -9.7 | 1.7 | | 110 | 9.0 | -8.5 | 3.0 | | 108 | 11.9 | -11.3 | 3.7 | 529 |
| 975 | | 106 | 9.5 | -9.2 | 2.6 | | 101 | 8.7 | -8.5 | 1.7 | | 107 | 8.4 | -8.0 | 2.4 | | 114 | 9.9 | -9.1 | 4.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/18 1450 GMT | | | | 3/18 1820 GMT | | | | 3/18 2023 GMT | | | | 3/18 2315 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 15.0 | 13.1 | -7.3 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 13.1 | 13.1 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 13.7 | 13.6 | 1.6 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 16.8 | 16.4 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 12.3 | 11.8 | -3.4 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 15.2 | 15.2 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 13.6 | 13.6 | .8 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 15.3 | 15.3 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 12.8 | 11.9 | -4.8 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 14.7 | 14.4 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 15.9 | 15.9 | 1.3 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 13.9 | 13.6 | 3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 246 | 15.4 | 14.0 | 6.2 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 14.8 | 14.7 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 16.6 | 16.4 | 2.2 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 14.7 | 14.7 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 19.0 | 18.9 | 1.1 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 13.3 | 13.3 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 18.3 | 18.2 | 2.0 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 13.7 | 13.7 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 15.5 | 15.2 | 3.3 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 14.9 | 14.9 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 14.9 | 14.7 | 2.8 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 15.2 | 15.1 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 14.7 | 14.6 | -1.4 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 15.4 | 15.1 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 15.4 | 14.9 | -3.8 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 15.4 | 15.3 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 16.6 | 16.3 | -3.0 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 13.3 | 13.3 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 14.0 | 14.0 | .4 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 14.7 | 14.6 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 15.8 | 15.7 | 1.7 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 15.2 | 14.2 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 19.5 | 19.1 | 4.4 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 17.8 | 17.6 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 19.0 | 18.9 | 1.7 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 10.9 | 10.9 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 16.3 | 15.2 | -5.7 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 6.7 | 5.8 | -3.4 | | 304 | 12.7 | 10.6 | -7.0 | | 309 | 12.0 | 9.3 | -7.6 | 8546 |
| 375 | | 268 | 11.5 | 11.5 | .5 | | 282 | 8.2 | 8.1 | -1.7 | | 303 | 5.1 | 4.3 | -2.7 | | 314 | 10.7 | 7.7 | -7.4 | 8039 |
| 400 | | 280 | 9.6 | 9.5 | -1.6 | | 274 | 8.2 | 8.1 | -.5 | | 266 | 8.1 | 8.1 | .5 | | 280 | 6.6 | 6.5 | -1.1 | 7557 |
| 425 | | 289 | 8.8 | 8.3 | -2.9 | | 288 | 7.0 | 6.7 | -2.1 | | 266 | 5.8 | 5.8 | .4 | | 261 | 6.2 | 6.2 | 1.0 | 7099 |
| 450 | | 290 | 6.8 | 6.3 | -2.4 | | 291 | 5.3 | 5.0 | -1.9 | | 305 | 4.5 | 3.7 | -2.6 | | 293 | 4.0 | 3.7 | -1.6 | 6662 |
| 475 | | 281 | 8.4 | 8.3 | -1.6 | | 305 | 3.7 | 3.0 | -2.1 | | 306 | 2.7 | 2.2 | -1.6 | | 294 | 2.8 | 2.6 | -1.1 | 6244 |
| 500 | | 11 | 3.7 | -.7 | -3.7 | | 332 | 4.7 | 2.2 | -4.1 | | 358 | 2.8 | .1 | -2.8 | | 346 | 1.9 | .5 | -1.9 | 5844 |
| 525 | | 39 | 5.9 | -3.7 | -4.6 | | 45 | 5.8 | -4.1 | -4.1 | | 46 | 5.2 | -3.7 | -3.6 | | 59 | 3.6 | -3.1 | -1.9 | 5460 |
| 550 | | 61 | 6.6 | -5.8 | -3.2 | | 73 | 8.8 | -8.4 | -2.6 | | 62 | 5.5 | -4.8 | -2.6 | | 76 | 5.2 | -5.0 | -1.2 | 5091 |
| 575 | | 83 | 8.6 | -8.5 | -1.0 | | 82 | 7.6 | -7.6 | -1.1 | | 80 | 6.0 | -5.9 | -1.1 | | 87 | 5.9 | -5.9 | -.3 | 4736 |
| 600 | | 94 | 10.5 | -10.5 | .7 | | 93 | 10.4 | -10.4 | .5 | | 78 | 9.0 | -8.8 | -1.9 | | 92 | 8.6 | -8.6 | .3 | 4393 |
| 625 | | 84 | 11.0 | -11.0 | -1.2 | | 97 | 10.6 | -10.6 | 1.3 | | 95 | 12.2 | -12.2 | 1.2 | | 101 | 11.1 | -10.9 | 2.1 | 4062 |
| 650 | | 88 | 12.2 | -12.2 | -.5 | | 99 | 13.1 | -12.9 | 1.9 | | 102 | 13.8 | -13.5 | 2.9 | | 110 | 11.7 | -11.0 | 4.0 | 3742 |
| 675 | | 86 | 14.1 | -14.0 | -1.1 | | 95 | 16.9 | -16.8 | 1.6 | | 101 | 15.0 | -14.7 | 2.8 | | 107 | 12.3 | -11.7 | 3.7 | 3431 |
| 700 | | 87 | 14.8 | -14.8 | -.8 | | 94 | 17.3 | -17.2 | 1.2 | | 100 | 15.2 | -14.9 | 2.6 | | 104 | 13.8 | -13.4 | 3.4 | 3130 |
| 725 | | 91 | 13.0 | -13.0 | .3 | | 97 | 15.4 | -15.3 | 2.0 | | 102 | 14.9 | -14.6 | 3.0 | | 103 | 13.9 | -13.6 | 3.1 | 2837 |
| 750 | | 93 | 14.0 | -14.0 | .8 | | 102 | 14.8 | -14.5 | 3.0 | | 102 | 16.2 | -15.9 | 3.3 | | 100 | 14.1 | -13.8 | 2.5 | 2553 |
| 775 | | 90 | 14.4 | -14.4 | -.1 | | 104 | 16.4 | -15.9 | 4.0 | | 102 | 18.7 | -18.3 | 3.9 | | 99 | 15.4 | -15.2 | 2.5 | 2276 |
| 800 | | 89 | 13.9 | -13.9 | -.3 | | 104 | 17.4 | -16.9 | 4.1 | | 99 | 18.7 | -18.5 | 2.8 | | 102 | 15.9 | -15.5 | 3.4 | 2007 |
| 825 | | 89 | 15.0 | -15.0 | -.3 | | 103 | 16.8 | -16.4 | 3.7 | | 96 | 17.5 | -17.4 | 1.9 | | 107 | 16.2 | -15.5 | 4.7 | 1745 |
| 850 | | 96 | 15.0 | -14.9 | 1.5 | | 105 | 16.7 | -16.2 | 4.2 | | 99 | 18.1 | -17.9 | 2.8 | | 110 | 15.9 | -14.9 | 5.5 | 1490 |
| 875 | | 109 | 14.0 | -13.2 | 4.6 | | 105 | 16.8 | -16.3 | 4.4 | | 100 | 18.2 | -18.0 | 3.0 | | 113 | 15.6 | -14.4 | 6.0 | 1242 |
| 900 | | 100 | 13.5 | -13.3 | 2.3 | | 102 | 16.8 | -16.4 | 3.5 | | 104 | 17.6 | -17.1 | 4.3 | | 115 | 15.4 | -13.9 | 6.6 | 999 |
| 925 | | 95 | 13.8 | -13.7 | 1.3 | | 101 | 16.4 | -16.0 | 3.3 | | 110 | 16.8 | -15.8 | 5.7 | | 118 | 14.1 | -12.4 | 6.7 | 762 |
| 950 | | 111 | 13.2 | -12.3 | 4.7 | | 103 | 14.2 | -13.9 | 3.2 | | 112 | 13.9 | -12.9 | 5.2 | | 119 | 11.7 | -10.3 | 5.7 | 529 |
| 975 | | 116 | 11.6 | -10.4 | 5.0 | | 100 | 10.3 | -10.2 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 115 | 10.2 | -9.3 | 4.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/19 310 GMT | | | | 3/19 6 0 GMT | | | | 3/19 9 4 GMT | | | | 3/19 1145 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 12.9 | 12.9 | -1.2 | 19517 |
| 70 | | 286 | 15.2 | 14.7 | -4.1 | | 282 | 14.5 | 14.1 | -3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 19.7 | 17.6 | -8.7 | 18589 |
| 80 | | 301 | 14.1 | 12.1 | -7.3 | | 276 | 19.4 | 19.3 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 16.6 | 15.6 | -5.4 | 17801 |
| 90 | | 264 | 16.5 | 16.5 | 1.6 | | 261 | 10.6 | 10.5 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 13.7 | 13.2 | 3.6 | 17121 |
| 100 | | 262 | 18.3 | 18.1 | 2.5 | | 298 | 15.0 | 13.2 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 7.0 | 6.8 | -1.5 | 16521 |
| 110 | | 254 | 19.5 | 18.7 | 5.4 | | 260 | 19.2 | 18.9 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 18.1 | 17.9 | -2.6 | 15978 |
| 120 | | 258 | 18.2 | 17.8 | 3.7 | | 255 | 22.2 | 21.4 | 5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 23.2 | 23.0 | 2.7 | 15479 |
| 130 | | 268 | 20.6 | 20.6 | .7 | | 257 | 21.9 | 21.4 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 254 | 22.2 | 21.3 | 6.1 | 15014 |
| 140 | | 272 | 18.5 | 18.5 | -.6 | | 256 | 20.1 | 19.5 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 23.0 | 21.7 | 7.5 | 14578 |
| 150 | | 275 | 18.1 | 18.1 | -1.5 | | 261 | 19.0 | 18.7 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 22.1 | 21.2 | 6.3 | 14167 |
| 160 | | 281 | 18.0 | 17.7 | -3.4 | | 266 | 17.0 | 16.9 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 20.8 | 20.6 | 3.4 | 13776 |
| 170 | | 286 | 17.6 | 16.8 | -5.0 | | 277 | 15.1 | 15.0 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 20.7 | 20.6 | 1.8 | 13404 |
| 180 | | 292 | 16.7 | 15.4 | -6.3 | | 291 | 14.6 | 13.6 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 19.5 | 19.4 | 1.2 | 13049 |
| 190 | | 299 | 16.7 | 14.7 | -8.0 | | 293 | 12.9 | 11.9 | -5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 16.9 | 16.8 | 1.9 | 12709 |
| 200 | | 297 | 16.6 | 14.8 | -7.4 | | 303 | 11.1 | 9.3 | -6.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 14.7 | 14.5 | 2.4 | 12383 |
| 225 | | 278 | 13.5 | 13.4 | -1.8 | | 288 | 12.0 | 11.5 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 14.2 | 14.1 | 1.9 | 11617 |
| 250 | | 279 | 15.8 | 15.7 | -2.4 | | 278 | 13.1 | 13.0 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 13.9 | 13.8 | 2.2 | 10914 |
| 275 | | 266 | 17.7 | 17.6 | 1.2 | | 261 | 16.0 | 15.9 | 2.4 | | 284 | 15.0 | 14.6 | -3.7 | | 273 | 12.7 | 12.7 | -.6 | 10262 |
| 300 | | 260 | 19.5 | 19.1 | 3.4 | | 255 | 19.6 | 18.9 | 5.0 | | 284 | 14.7 | 14.3 | -3.5 | | 283 | 12.1 | 11.7 | -2.8 | 9654 |
| 325 | | 271 | 19.2 | 19.2 | -.5 | | 267 | 16.5 | 16.5 | .9 | | 275 | 13.8 | 13.8 | -1.3 | | 280 | 10.5 | 10.4 | -1.9 | 9084 |
| 350 | | 279 | 16.0 | 15.8 | -2.6 | | 265 | 14.1 | 14.0 | 1.1 | | 271 | 12.5 | 12.5 | -.1 | | 277 | 9.6 | 9.6 | -1.1 | 8546 |
| 375 | | 284 | 11.9 | 11.6 | -2.9 | | 279 | 13.3 | 13.1 | -2.1 | | 281 | 11.8 | 11.6 | -2.3 | | 276 | 9.2 | 9.1 | -1.0 | 8039 |
| 400 | | 271 | 8.9 | 8.9 | -.2 | | 267 | 11.9 | 11.9 | .7 | | 265 | 11.0 | 11.0 | .9 | | 280 | 9.0 | 8.9 | -1.5 | 7557 |
| 425 | | 254 | 9.8 | 9.4 | 2.7 | | 242 | 7.8 | 6.9 | 3.6 | | 229 | 7.7 | 5.9 | 5.1 | | 275 | 8.5 | 8.4 | -.8 | 7099 |
| 450 | | 253 | 3.5 | 3.4 | 1.0 | | 250 | 6.5 | 6.1 | 2.2 | | 232 | 4.8 | 3.7 | 2.9 | | 269 | 5.7 | 5.7 | .1 | 6662 |
| 475 | | 262 | .9 | .9 | .1 | | 236 | 2.6 | 2.1 | 1.4 | | 205 | 2.9 | 1.2 | 2.6 | | 237 | 4.2 | 3.6 | 2.3 | 6244 |
| 500 | | 295 | 3.0 | 2.7 | -1.2 | | 121 | 4.5 | -3.9 | 2.3 | | 137 | 6.5 | -4.4 | 4.8 | | 127 | 3.4 | -2.8 | 2.1 | 5844 |
| 525 | | 86 | 3.1 | -3.1 | -.2 | | 113 | 7.4 | -6.8 | 2.9 | | 125 | 9.8 | -8.0 | 5.5 | | 87 | 4.4 | -4.4 | -.2 | 5460 |
| 550 | | 102 | 6.8 | -6.6 | 1.4 | | 113 | 8.6 | -7.9 | 3.4 | | 113 | 11.5 | -10.6 | 4.4 | | 102 | 2.5 | -2.4 | .5 | 5091 |
| 575 | | 102 | 9.1 | -8.9 | 1.9 | | 105 | 11.2 | -10.8 | 3.0 | | 105 | 11.9 | -11.5 | 3.1 | | 110 | 8.5 | -8.0 | 3.0 | 4736 |
| 600 | | 105 | 11.6 | -11.2 | 2.9 | | 109 | 13.6 | -12.8 | 4.4 | | 114 | 11.7 | -10.7 | 4.8 | | 112 | 11.3 | -10.5 | 4.2 | 4393 |
| 625 | | 105 | 11.9 | -11.5 | 3.0 | | 108 | 15.7 | -15.0 | 4.7 | | 122 | 13.5 | -11.5 | 7.2 | | 113 | 12.5 | -11.6 | 4.9 | 4062 |
| 650 | | 104 | 13.0 | -12.6 | 3.3 | | 107 | 17.0 | -16.3 | 5.0 | | 114 | 12.3 | -11.2 | 5.0 | | 109 | 13.8 | -13.1 | 4.5 | 3742 |
| 675 | | 106 | 13.4 | -12.9 | 3.7 | | 106 | 14.8 | -14.2 | 4.0 | | 102 | 15.7 | -15.4 | 3.3 | | 105 | 12.9 | -12.4 | 3.4 | 3431 |
| 700 | | 103 | 13.9 | -13.6 | 3.1 | | 101 | 14.7 | -14.4 | 2.7 | | 94 | 18.9 | -18.9 | 1.3 | | 99 | 12.9 | -12.7 | 2.1 | 3130 |
| 725 | | 100 | 15.0 | -14.8 | 2.5 | | 103 | 17.1 | -16.7 | 3.9 | | 95 | 13.6 | -13.6 | 1.2 | | 105 | 14.7 | -14.2 | 3.7 | 2837 |
| 750 | | 96 | 15.4 | -15.3 | 1.5 | | 103 | 16.5 | -16.1 | 3.6 | | 106 | 10.7 | -10.3 | 3.0 | | 107 | 17.2 | -16.4 | 5.0 | 2553 |
| 775 | | 94 | 15.6 | -15.6 | 1.1 | | 101 | 15.4 | -15.1 | 3.0 | | 104 | 14.0 | -13.6 | 3.4 | | 106 | 18.7 | -17.9 | 5.3 | 2276 |
| 800 | | 99 | 15.9 | -15.7 | 2.6 | | 102 | 15.5 | -15.2 | 3.1 | | 98 | 16.0 | -15.8 | 2.3 | | 110 | 18.0 | -17.0 | 6.1 | 2007 |
| 825 | | 103 | 17.1 | -16.7 | 4.0 | | 101 | 16.5 | -16.2 | 3.0 | | 95 | 15.1 | -15.1 | 1.3 | | 114 | 16.6 | -15.2 | 6.8 | 1745 |
| 850 | | 103 | 17.9 | -17.4 | 3.9 | | 100 | 16.6 | -16.4 | 2.8 | | 93 | 13.9 | -13.8 | .6 | | 115 | 17.1 | -15.5 | 7.1 | 1490 |
| 875 | | 102 | 17.5 | -17.1 | 3.8 | | 100 | 16.1 | -15.8 | 2.9 | | 90 | 13.3 | -13.3 | -.0 | | 115 | 18.2 | -16.5 | 7.7 | 1242 |
| 900 | | 103 | 16.0 | -15.6 | 3.5 | | 100 | 15.5 | -15.2 | 2.6 | | 87 | 13.4 | -13.4 | -.6 | | 116 | 18.1 | -16.3 | 7.9 | 999 |
| 925 | | 104 | 12.2 | -11.9 | 2.9 | | 97 | 13.9 | -13.7 | 1.8 | | 87 | 13.7 | -13.7 | -.8 | | 115 | 16.4 | -14.8 | 6.9 | 762 |
| 950 | | 107 | 8.7 | -8.3 | 2.5 | | 96 | 11.6 | -11.6 | 1.3 | | 88 | 13.4 | -13.4 | -.6 | | 109 | 13.4 | -12.7 | 4.5 | 529 |
| 975 | | 111 | 7.6 | -7.1 | 2.7 | | 98 | 10.1 | -10.0 | 1.5 | | 86 | 12.8 | -12.8 | -1.0 | | 98 | 10.7 | -10.6 | 1.5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/19 18 5 GMT | | | | | 3/19 2320 GMT | | | | | 3/20 625 GMT | | | | | 3/20 1115 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 16.7 | 16.4 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 14.3 | 13.7 | -4.2 | | 283 | 17.0 | 16.5 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 19.3 | 17.0 | -9.2 | | 262 | 18.4 | 18.2 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 21.2 | 20.7 | 4.6 | | 266 | 25.2 | 25.1 | 1.8 | | 276 | 26.4 | 26.3 | -2.6 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 13.7 | 13.5 | -2.3 | | 288 | 11.9 | 11.3 | -3.7 | | 273 | 11.6 | 11.6 | -.6 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 18.7 | 17.7 | -5.8 | | 314 | 11.9 | 8.6 | -8.2 | | 305 | 17.6 | 14.5 | -10.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 25.0 | 24.8 | -3.2 | | 294 | 16.8 | 15.3 | -6.8 | | 293 | 26.4 | 24.3 | -10.4 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 27.1 | 26.9 | 2.5 | | 273 | 23.0 | 23.0 | -1.4 | | 283 | 27.5 | 26.8 | -5.9 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 27.0 | 27.0 | .0 | | 261 | 25.3 | 25.0 | 4.1 | | 268 | 26.1 | 26.1 | 1.1 | 14578 |
| 150 | | 264 | 22.7 | 22.5 | 2.5 | | 276 | 27.5 | 27.3 | -2.9 | | 259 | 26.3 | 25.8 | 4.8 | | 258 | 23.8 | 23.2 | 5.0 | 14167 |
| 160 | | 258 | 20.6 | 20.2 | 4.2 | | | | | | | 262 | 23.3 | 23.1 | 3.1 | | 256 | 24.3 | 23.6 | 5.7 | 13776 |
| 170 | | 261 | 20.3 | 20.1 | 3.1 | | 278 | 21.9 | 21.7 | -3.0 | | 269 | 18.1 | 18.1 | .4 | | 250 | 21.9 | 20.5 | 7.5 | 13404 |
| 180 | | 262 | 20.0 | 19.8 | 2.6 | | 299 | 10.4 | 9.1 | -5.0 | | 274 | 13.4 | 13.4 | -.9 | | 234 | 16.8 | 13.6 | 9.8 | 13049 |
| 190 | | 264 | 17.6 | 17.5 | 1.8 | | 292 | 18.1 | 16.8 | -6.7 | | 288 | 13.6 | 13.0 | -4.1 | | 243 | 14.5 | 12.9 | 6.6 | 12709 |
| 200 | | 267 | 15.6 | 15.5 | .8 | | 292 | 17.6 | 16.4 | -6.6 | | 293 | 13.7 | 12.6 | -5.3 | | 255 | 12.8 | 12.3 | 3.4 | 12383 |
| 225 | | 281 | 16.0 | 15.7 | -3.0 | | 283 | 11.6 | 11.3 | -2.5 | | 287 | 15.5 | 14.8 | -4.5 | | 253 | 11.5 | 11.0 | 3.4 | 11617 |
| 250 | | 264 | 15.3 | 15.2 | 1.5 | | 268 | 15.4 | 15.4 | .6 | | 278 | 15.0 | 14.8 | -2.0 | | 261 | 11.5 | 11.4 | 1.8 | 10914 |
| 275 | | 261 | 15.6 | 15.4 | 2.4 | | 255 | 11.6 | 11.3 | 3.0 | | 277 | 16.1 | 16.0 | -1.9 | | 281 | 10.8 | 10.6 | -2.0 | 10262 |
| 300 | | 254 | 12.6 | 12.1 | 3.4 | | 266 | 10.7 | 10.6 | .8 | | 280 | 13.6 | 13.4 | -2.4 | | 299 | 12.1 | 10.6 | -5.9 | 9654 |
| 325 | | 274 | 11.8 | 11.8 | -.7 | | 269 | 9.2 | 9.2 | .1 | | 263 | 13.0 | 12.9 | 1.5 | | 302 | 17.7 | 14.9 | -9.5 | 9084 |
| 350 | | 188 | 3.6 | .5 | 3.5 | | 240 | 7.0 | 6.0 | 3.5 | | 248 | 16.2 | 15.0 | 6.1 | | | | | | 8546 |
| 375 | | 216 | 3.8 | 2.3 | 3.1 | | 217 | 7.1 | 4.2 | 5.7 | | 230 | 18.0 | 13.9 | 11.5 | | 283 | 10.4 | 10.1 | -2.3 | 8039 |
| 400 | | 243 | 6.2 | 5.5 | 2.9 | | 202 | 8.4 | 3.1 | 7.7 | | 225 | 15.6 | 11.0 | 11.1 | | 272 | 10.8 | 10.7 | -.4 | 7557 |
| 425 | | 200 | 1.6 | .5 | 1.5 | | 203 | 5.7 | 2.3 | 5.2 | | 216 | 11.3 | 6.7 | 9.1 | | 233 | 13.7 | 11.0 | 8.2 | 7099 |
| 450 | | 195 | 1.4 | .3 | 1.3 | | 170 | 3.9 | -.7 | 3.9 | | 198 | 10.0 | 3.1 | 9.5 | | 213 | 15.3 | 8.2 | 12.9 | 6662 |
| 475 | | 191 | 1.8 | .3 | 1.8 | | 169 | 5.7 | -1.1 | 5.6 | | 191 | 10.0 | 2.0 | 9.8 | | 208 | 11.7 | 5.5 | 10.3 | 6244 |
| 500 | | 152 | 3.3 | -1.6 | 2.9 | | 97 | 4.6 | -4.5 | .6 | | 172 | 7.9 | -1.1 | 7.8 | | 178 | 10.7 | -.3 | 10.7 | 5844 |
| 525 | | 128 | 4.9 | -3.9 | 3.0 | | 190 | 11.3 | 1.9 | 11.2 | | 139 | 9.4 | -6.2 | 7.1 | | 157 | 11.6 | -4.6 | 10.6 | 5460 |
| 550 | | 120 | 7.4 | -6.4 | 3.7 | | 172 | 12.6 | -1.7 | 12.5 | | 142 | 11.6 | -7.2 | 9.1 | | 150 | 10.8 | -5.4 | 9.3 | 5091 |
| 575 | | 121 | 9.3 | -8.0 | 4.8 | | 163 | 12.6 | -3.6 | 12.0 | | 140 | 11.7 | -7.5 | 9.0 | | 140 | 11.8 | -7.6 | 9.1 | 4736 |
| 600 | | 114 | 8.7 | -7.9 | 3.6 | | 161 | 13.0 | -4.2 | 12.3 | | 141 | 11.4 | -7.1 | 8.9 | | 141 | 14.2 | -8.9 | 11.0 | 4393 |
| 625 | | 113 | 9.0 | -8.3 | 3.5 | | 152 | 12.6 | -5.9 | 11.1 | | 132 | 12.1 | -9.0 | 8.0 | | 131 | 13.9 | -10.5 | 9.0 | 4062 |
| 650 | | 121 | 11.2 | -9.6 | 5.8 | | 144 | 13.9 | -8.2 | 11.2 | | 121 | 13.7 | -11.7 | 7.1 | | 126 | 12.7 | -10.3 | 7.4 | 3742 |
| 675 | | 123 | 12.4 | -10.4 | 6.8 | | 131 | 16.8 | -12.6 | 11.0 | | 121 | 14.1 | -12.1 | 7.2 | | 125 | 10.3 | -8.4 | 5.9 | 3431 |
| 700 | | 122 | 12.3 | -10.3 | 6.6 | | 120 | 18.8 | -16.2 | 9.5 | | 112 | 13.5 | -12.4 | 5.1 | | 117 | 7.3 | -6.5 | 3.3 | 3130 |
| 725 | | 117 | 13.4 | -11.9 | 6.0 | | 112 | 18.5 | -17.1 | 6.9 | | 101 | 12.8 | -12.5 | 2.5 | | 79 | 6.9 | -6.8 | -1.3 | 2837 |
| 750 | | 110 | 15.9 | -15.0 | 5.3 | | 105 | 16.8 | -16.2 | 4.2 | | 97 | 12.3 | -12.2 | 1.5 | | 61 | 9.2 | -8.0 | -4.5 | 2553 |
| 775 | | 105 | 15.8 | -15.3 | 4.2 | | 102 | 15.6 | -15.2 | 3.4 | | 97 | 12.5 | -12.4 | 1.6 | | 57 | 9.8 | -8.3 | -5.3 | 2276 |
| 800 | | 99 | 11.6 | -11.4 | 1.8 | | 106 | 15.6 | -14.9 | 4.4 | | 103 | 12.3 | -12.0 | 2.8 | | 58 | 10.5 | -9.0 | -5.6 | 2007 |
| 825 | | 96 | 10.9 | -10.9 | 1.0 | | 111 | 15.6 | -14.6 | 5.6 | | 112 | 11.1 | -10.2 | 4.2 | | 60 | 11.8 | -10.2 | -5.8 | 1745 |
| 850 | | 99 | 12.4 | -12.2 | 1.9 | | 114 | 15.1 | -13.8 | 6.2 | | 119 | 9.4 | -8.2 | 4.6 | | 66 | 12.5 | -11.4 | -5.2 | 1490 |
| 875 | | 98 | 12.9 | -12.8 | 1.9 | | 115 | 14.4 | -13.1 | 6.0 | | 118 | 7.8 | -6.9 | 3.6 | | 73 | 12.6 | -12.0 | -3.6 | 1242 |
| 900 | | 98 | 13.3 | -13.2 | 1.9 | | 113 | 13.7 | -12.6 | 5.3 | | 116 | 6.4 | -5.7 | 2.8 | | 74 | 12.3 | -11.9 | -3.3 | 999 |
| 925 | | 101 | 13.4 | -13.1 | 2.5 | | 112 | 12.7 | -11.7 | 4.8 | | 117 | 5.1 | -4.5 | 2.3 | | 69 | 11.8 | -11.0 | -4.2 | 762 |
| 950 | | 103 | 12.5 | -12.1 | 2.8 | | 115 | 11.4 | -10.3 | 4.8 | | 106 | 4.0 | -3.9 | 1.1 | | 65 | 10.4 | -9.4 | -4.5 | 529 |
| 975 | | 103 | 11.0 | -10.7 | 2.5 | | 114 | 9.9 | -9.0 | 4.0 | | 70 | 4.2 | -4.0 | -1.5 | | 62 | 7.6 | -6.7 | -3.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 3/20 1447 GMT I | DD | FF | U | V | 3/20 1755 GMT I | DD | FF | U | V | 3/20 21 0 GMT I | DD | FF | U | V | 3/20 2325 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 13.4 | 13.2 | -2.0 | 19517 |
| 70 | | 283 | 24.2 | 23.6 | -5.3 | | 285 | 17.8 | 17.2 | -4.5 | | 277 | 18.1 | 17.9 | -2.3 | | 282 | 20.1 | 19.7 | -4.1 | 18589 |
| 80 | | 279 | 20.4 | 20.1 | -3.2 | | 279 | 23.9 | 23.7 | -3.7 | | 279 | 20.5 | 20.3 | -3.4 | | 276 | 17.0 | 16.9 | -1.8 | 17801 |
| 90 | | 277 | 20.7 | 20.6 | -2.4 | | 276 | 14.9 | 14.9 | -1.4 | | 276 | 17.8 | 17.7 | -2.0 | | 269 | 18.7 | 18.7 | .4 | 17121 |
| 100 | | 298 | 11.3 | 10.0 | -5.3 | | 297 | 12.2 | 10.9 | -5.5 | | 292 | 12.8 | 11.9 | -4.8 | | 291 | 16.7 | 15.5 | -6.0 | 16521 |
| 110 | | 303 | 21.6 | 18.2 | -11.6 | | 300 | 22.7 | 19.6 | -11.4 | | 296 | 21.9 | 19.7 | -9.7 | | 296 | 20.8 | 18.7 | -9.2 | 15978 |
| 120 | | 297 | 26.8 | 23.8 | -12.3 | | 299 | 24.3 | 21.2 | -11.8 | | 296 | 23.1 | 20.8 | -10.0 | | 295 | 21.3 | 19.2 | -9.1 | 15479 |
| 130 | | 288 | 25.3 | 24.2 | -7.7 | | 287 | 25.5 | 24.3 | -7.4 | | 286 | 25.6 | 24.6 | -7.1 | | 291 | 28.8 | 26.9 | -10.1 | 15014 |
| 140 | | 274 | 26.2 | 26.1 | -2.0 | | 273 | 29.0 | 29.0 | -1.6 | | 276 | 26.3 | 26.2 | -2.6 | | 281 | 29.8 | 29.3 | -5.8 | 14578 |
| 150 | | 265 | 28.5 | 28.4 | 2.7 | | 265 | 29.8 | 29.6 | 2.7 | | 270 | 28.7 | 28.7 | -.1 | | 269 | 32.7 | 32.6 | .6 | 14167 |
| 160 | | 259 | 27.4 | 26.9 | 5.0 | | 264 | 24.9 | 24.8 | 2.8 | | 262 | 34.8 | 34.5 | 4.6 | | 260 | 33.6 | 33.1 | 5.6 | 13776 |
| 170 | | 264 | 23.8 | 23.6 | 2.7 | | 271 | 24.2 | 24.2 | -.2 | | 264 | 31.6 | 31.4 | 3.6 | | 261 | 32.3 | 31.9 | 5.2 | 13404 |
| 180 | | 255 | 22.3 | 21.6 | 5.6 | | 270 | 27.1 | 27.1 | .0 | | 267 | 27.7 | 27.6 | 1.6 | | 272 | 29.9 | 29.8 | -.9 | 13049 |
| 190 | | 241 | 23.0 | 20.2 | 11.1 | | 259 | 25.2 | 24.8 | 4.7 | | 260 | 25.3 | 24.9 | 4.5 | | 269 | 26.8 | 26.8 | .7 | 12709 |
| 200 | | 243 | 20.5 | 18.3 | 9.2 | | 245 | 22.3 | 20.2 | 9.5 | | 248 | 22.7 | 21.1 | 8.5 | | 254 | 23.9 | 23.0 | 6.5 | 12383 |
| 225 | | 249 | 13.7 | 12.8 | 4.8 | | 246 | 20.2 | 18.5 | 8.1 | | 250 | 20.0 | 18.8 | 6.8 | | 259 | 21.2 | 20.8 | 4.2 | 11617 |
| 250 | | 256 | 14.2 | 13.8 | 3.4 | 3 | 256 | 14.3 | 13.9 | 3.5 | | 259 | 17.5 | 17.1 | 3.4 | | 272 | 16.3 | 16.3 | -.5 | 10914 |
| 275 | | 249 | 10.5 | 9.8 | 3.7 | | 264 | 12.5 | 12.4 | 1.3 | | 271 | 12.3 | 12.3 | -.3 | | 264 | 14.4 | 14.3 | 1.5 | 10262 |
| 300 | | 263 | 12.4 | 12.3 | 1.6 | | 266 | 13.1 | 13.0 | .8 | | 279 | 15.5 | 15.3 | -2.5 | | 256 | 14.4 | 14.0 | 3.5 | 9654 |
| 325 | | 281 | 12.7 | 12.5 | -2.4 | | 276 | 16.9 | 16.8 | -1.7 | | 293 | 11.6 | 10.7 | -4.5 | | 269 | 11.1 | 11.1 | .1 | 9084 |
| 350 | | 296 | 16.5 | 14.8 | -7.3 | | 285 | 18.3 | 17.7 | -4.7 | | 272 | 13.4 | 13.4 | -.4 | | 271 | 9.4 | 9.4 | -.2 | 8546 |
| 375 | | 302 | 11.7 | 9.9 | -6.3 | | 282 | 15.2 | 14.9 | -3.1 | | 271 | 14.2 | 14.2 | -.4 | | 265 | 9.6 | 9.6 | .8 | 8039 |
| 400 | | 299 | 7.9 | 6.9 | -3.8 | | 289 | 13.9 | 13.2 | -4.5 | | 268 | 10.8 | 10.8 | .4 | | 248 | 9.7 | 9.0 | 3.6 | 7557 |
| 425 | | 283 | 10.3 | 10.0 | -2.4 | | 292 | 9.0 | 8.4 | -3.4 | | 254 | 6.6 | 6.4 | 1.8 | | 247 | 17.3 | 16.0 | 6.6 | 7099 |
| 450 | | 248 | 12.0 | 11.2 | 4.4 | | 255 | 7.4 | 7.2 | 2.0 | | 236 | 10.3 | 8.6 | 5.7 | | 235 | 18.0 | 14.9 | 10.2 | 6662 |
| 475 | | 230 | 14.4 | 11.0 | 9.3 | | 237 | 15.0 | 12.5 | 8.2 | | 237 | 16.4 | 13.8 | 9.0 | | 231 | 14.6 | 11.4 | 9.1 | 6244 |
| 500 | | 224 | 9.9 | 6.8 | 7.1 | | 222 | 14.7 | 9.7 | 11.0 | | 227 | 15.6 | 11.4 | 10.6 | | 221 | 10.9 | 7.1 | 8.3 | 5844 |
| 525 | | 196 | 8.3 | 2.2 | 8.0 | | 210 | 10.8 | 5.4 | 9.4 | | 220 | 10.8 | 6.9 | 8.3 | | 202 | 9.3 | 3.6 | 8.6 | 5460 |
| 550 | | 174 | 8.8 | -.9 | 8.7 | | 181 | 8.6 | .1 | 8.6 | | 187 | 8.5 | 1.1 | 8.5 | | 188 | 9.8 | 1.3 | 9.7 | 5091 |
| 575 | | 176 | 8.7 | -.6 | 8.7 | | 160 | 10.8 | -3.7 | 10.1 | | 176 | 8.7 | -.6 | 8.7 | | 198 | 7.6 | 2.3 | 7.3 | 4736 |
| 600 | | 175 | 8.2 | -.7 | 8.2 | | 167 | 10.7 | -2.4 | 10.4 | | 187 | 8.0 | .9 | 8.0 | | 214 | 6.6 | 3.7 | 5.5 | 4393 |
| 625 | | 148 | 8.9 | -4.7 | 7.6 | | 162 | 10.2 | -3.1 | 9.7 | 3 | 183 | 8.5 | .4 | 8.5 | | 194 | 6.3 | 1.5 | 6.1 | 4062 |
| 650 | | 138 | 9.4 | -6.3 | 7.0 | | 141 | 9.4 | -6.0 | 7.3 | 0 | 170 | 10.7 | -1.9 | 10.5 | | 171 | 5.6 | -.9 | 5.5 | 3742 |
| 675 | | 142 | 8.3 | -5.1 | 6.6 | | 134 | 8.3 | -5.9 | 5.7 | 0 | 156 | 12.3 | -5.0 | 11.2 | | 155 | 5.3 | -2.2 | 4.8 | 3431 |
| 700 | | 143 | 8.6 | -5.2 | 6.9 | | 133 | 8.9 | -6.5 | 6.1 | 0 | 136 | 11.3 | -7.9 | 8.2 | | 143 | 7.3 | -4.4 | 5.9 | 3130 |
| 725 | | 129 | 9.4 | -7.2 | 6.0 | | 118 | 9.7 | -8.6 | 4.6 | 1 | 107 | 10.1 | -9.7 | 2.9 | | 133 | 8.7 | -6.3 | 5.9 | 2837 |
| 750 | | 107 | 8.5 | -8.2 | 2.4 | | 103 | 10.6 | -10.3 | 2.4 | 3 | 81 | 11.0 | -10.9 | -1.6 | | 119 | 8.0 | -7.0 | 3.9 | 2553 |
| 775 | | 91 | 7.7 | -7.7 | .1 | | 94 | 11.3 | -11.3 | .8 | | 73 | 11.7 | -11.2 | -3.4 | | 99 | 7.4 | -7.3 | 1.1 | 2276 |
| 800 | | 90 | 7.6 | -7.6 | .0 | | 86 | 11.3 | -11.3 | -.8 | 3 | 80 | 10.4 | -10.3 | -1.8 | | 81 | 7.7 | -7.6 | -1.1 | 2007 |
| 825 | | 93 | 8.7 | -8.7 | .5 | | 84 | 10.9 | -10.8 | -1.2 | 3 | 89 | 9.5 | -9.5 | -.2 | | 73 | 9.3 | -8.9 | -2.8 | 1745 |
| 850 | | 89 | 9.6 | -9.6 | -.1 | | 82 | 10.0 | -9.9 | -1.5 | | 85 | 10.4 | -10.3 | -1.0 | | 69 | 11.5 | -10.7 | -4.1 | 1490 |
| 875 | | 79 | 9.4 | -9.3 | -1.7 | | 73 | 9.7 | -9.3 | -2.9 | | 80 | 11.7 | -11.5 | -2.1 | | 67 | 11.8 | -10.9 | -4.6 | 1242 |
| 900 | | 70 | 9.0 | -8.5 | -3.2 | | 65 | 10.8 | -9.8 | -4.6 | | 74 | 12.6 | -12.1 | -3.4 | | 63 | 10.8 | -9.6 | -4.9 | 999 |
| 925 | | 61 | 8.7 | -7.6 | -4.2 | | 60 | 12.3 | -10.6 | -6.1 | | 67 | 13.1 | -12.1 | -5.1 | | 58 | 10.3 | -8.8 | -5.4 | 762 |
| 950 | | 55 | 8.4 | -6.8 | -4.9 | | 57 | 12.8 | -10.7 | -7.0 | | 62 | 13.1 | -11.6 | -6.2 | | 55 | 10.3 | -8.5 | -6.0 | 529 |
| 975 | | 53 | 8.2 | -6.5 | -4.9 | | 57 | 12.0 | -10.1 | -6.5 | | 59 | 12.6 | -10.8 | -6.4 | | 52 | 10.4 | -8.2 | -6.5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/21 235 GMT | | | | | 3/21 6 0 GMT | | | | | 3/21 855 GMT | | | | | 3/21 1210 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 15.4 | 15.2 | -2.1 | 19517 |
| 70 | | 294 | 15.3 | 13.9 | -6.3 | | 291 | 16.7 | 15.6 | -6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 17.4 | 14.7 | -9.3 | 18589 |
| 80 | | 273 | 14.6 | 14.5 | -.7 | | 272 | 23.6 | 23.6 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 17.3 | 16.7 | -4.5 | 17801 |
| 90 | | 269 | 21.3 | 21.3 | .3 | | 261 | 19.2 | 19.0 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 19.5 | 19.5 | -1.1 | 17121 |
| 100 | | 290 | 17.5 | 16.4 | -6.0 | | 281 | 15.4 | 15.1 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 22.0 | 21.0 | -6.7 | 16521 |
| 110 | | 300 | 22.1 | 19.2 | -10.9 | | 286 | 28.2 | 27.1 | -8.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 23.9 | 23.0 | -6.5 | 15978 |
| 120 | | 294 | 25.5 | 23.3 | -10.5 | | 280 | 31.3 | 30.9 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 28.3 | 25.4 | -12.4 | 15479 |
| 130 | | 284 | 29.3 | 28.4 | -7.1 | | 268 | 33.4 | 33.4 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 29.5 | 28.8 | -6.4 | 15014 |
| 140 | | 271 | 31.5 | 31.5 | -.4 | | 256 | 36.5 | 35.5 | 8.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 30.5 | 30.3 | 3.7 | 14578 |
| 150 | | 260 | 35.8 | 35.2 | 6.4 | | 254 | 38.3 | 36.8 | 10.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 35.1 | 33.1 | 11.6 | 14167 |
| 160 | | 255 | 35.1 | 33.8 | 9.2 | | 257 | 40.3 | 39.4 | 8.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 36.5 | 34.3 | 12.7 | 13776 |
| 170 | | 257 | 35.5 | 34.6 | 8.1 | | 262 | 42.3 | 41.9 | 5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 34.2 | 33.0 | 9.1 | 13404 |
| 180 | | 265 | 34.9 | 34.7 | 3.2 | | 268 | 38.7 | 38.7 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 30.9 | 30.0 | 7.6 | 13049 |
| 190 | | 273 | 26.4 | 26.4 | -1.2 | | 277 | 31.5 | 31.2 | -3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 29.1 | 28.9 | 3.2 | 12709 |
| 200 | | 273 | 21.5 | 21.5 | -1.3 | | 279 | 26.4 | 26.0 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 25.7 | 25.7 | -1.4 | 12383 |
| 225 | | 273 | 18.0 | 18.0 | -1.1 | | 258 | 16.7 | 16.4 | 3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 25.5 | 25.3 | -3.0 | 11617 |
| 250 | | 276 | 18.4 | 18.3 | -2.1 | | 263 | 15.0 | 14.9 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 24.8 | 24.8 | .6 | 10914 |
| 275 | | 270 | 16.9 | 16.9 | -.1 | | 261 | 19.4 | 19.2 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 26.4 | 25.8 | 5.9 | 10262 |
| 300 | | 259 | 14.5 | 14.3 | 2.7 | | 266 | 16.9 | 16.9 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 18.8 | 18.4 | 3.7 | 9654 |
| 325 | | 251 | 14.1 | 13.3 | 4.7 | | 279 | 16.3 | 16.1 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 12.2 | 12.2 | -.1 | 9084 |
| 350 | | 245 | 13.0 | 11.7 | 5.6 | | 300 | 19.9 | 17.3 | -9.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 15.8 | 15.3 | -4.1 | 8546 |
| 375 | | 257 | 13.7 | 13.4 | 3.2 | | 296 | 20.4 | 18.3 | -9.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 18.9 | 18.5 | -3.8 | 8039 |
| 400 | | 252 | 14.4 | 13.7 | 4.4 | | 286 | 20.1 | 19.3 | -5.6 | | 290 | 14.8 | 14.0 | -5.0 | | 278 | 16.4 | 16.2 | -2.4 | 7557 |
| 425 | | 245 | 18.6 | 16.8 | 7.9 | | 270 | 20.3 | 20.3 | -.1 | | 278 | 16.3 | 16.1 | -2.1 | | 267 | 16.1 | 16.0 | .8 | 7099 |
| 450 | | 241 | 18.5 | 16.3 | 8.9 | | 253 | 18.7 | 17.9 | 5.5 | | 265 | 17.3 | 17.2 | 1.6 | | 262 | 14.6 | 14.4 | 2.1 | 6662 |
| 475 | | 239 | 16.1 | 13.8 | 8.3 | | 247 | 16.9 | 15.5 | 6.7 | | 260 | 15.3 | 15.1 | 2.6 | | 258 | 10.9 | 10.7 | 2.2 | 6244 |
| 500 | | 223 | 12.0 | 8.1 | 8.8 | | 229 | 12.2 | 9.1 | 8.0 | | 247 | 11.1 | 10.2 | 4.3 | | 246 | 8.6 | 7.9 | 3.5 | 5844 |
| 525 | | 207 | 9.5 | 4.3 | 8.4 | | 209 | 8.0 | 3.8 | 7.0 | | 234 | 8.9 | 7.2 | 5.2 | | 241 | 7.8 | 6.8 | 3.8 | 5460 |
| 550 | | 199 | 10.4 | 3.4 | 9.8 | | 215 | 6.9 | 4.0 | 5.6 | | 235 | 7.3 | 6.0 | 4.3 | | 256 | 7.3 | 7.1 | 1.8 | 5091 |
| 575 | | 203 | 10.1 | 3.9 | 9.3 | | 234 | 6.8 | 5.5 | 4.0 | | 253 | 4.7 | 4.5 | 1.4 | | 272 | 7.1 | 7.1 | -.2 | 4736 |
| 600 | | 226 | 8.2 | 5.8 | 5.7 | | 260 | 7.4 | 7.3 | 1.3 | | 277 | 4.6 | 4.6 | -.6 | | 280 | 6.7 | 6.6 | -1.2 | 4393 |
| 625 | | 241 | 5.4 | 4.7 | 2.7 | | 273 | 6.9 | 6.9 | -.4 | | 292 | 4.1 | 3.8 | -1.6 | | 291 | 5.5 | 5.1 | -1.9 | 4062 |
| 650 | | 192 | 3.4 | .7 | 3.3 | | 252 | 2.9 | 2.8 | .9 | | 304 | 1.9 | 1.6 | -1.1 | | 296 | 2.4 | 2.2 | -1.1 | 3742 |
| 675 | | 162 | 5.3 | -1.6 | 5.0 | | 153 | 2.5 | -1.1 | 2.2 | | 139 | 1.8 | -1.2 | 1.4 | | 134 | 1.3 | -.9 | .9 | 3431 |
| 700 | | 153 | 5.6 | -2.5 | 5.0 | | 126 | 3.4 | -2.8 | 2.0 | | 129 | 5.4 | -4.2 | 3.4 | | 139 | 3.3 | -2.2 | 2.5 | 3130 |
| 725 | | 134 | 6.2 | -4.5 | 4.3 | | 102 | 5.2 | -5.1 | 1.1 | | 120 | 6.6 | -5.7 | 3.3 | | 133 | 4.6 | -3.3 | 3.1 | 2837 |
| 750 | | 122 | 6.6 | -5.6 | 3.4 | | 95 | 7.2 | -7.2 | .6 | | 112 | 6.2 | -5.8 | 2.3 | | 124 | 5.1 | -4.2 | 2.8 | 2553 |
| 775 | | 108 | 6.1 | -5.8 | 1.9 | | 94 | 7.2 | -7.2 | .5 | | 105 | 6.3 | -6.1 | 1.6 | | 124 | 3.9 | -3.3 | 2.2 | 2276 |
| 800 | | 88 | 6.8 | -6.8 | -.2 | | 94 | 6.6 | -6.6 | .5 | | 93 | 7.2 | -7.2 | .4 | | 118 | 3.6 | -3.2 | 1.7 | 2007 |
| 825 | | 78 | 8.1 | -7.9 | -1.6 | | 92 | 7.5 | -7.5 | .2 | | 82 | 7.9 | -7.8 | -1.1 | | 109 | 5.6 | -5.3 | 1.8 | 1745 |
| 850 | | 74 | 9.2 | -8.8 | -2.6 | | 83 | 8.6 | -8.5 | -1.0 | | 79 | 7.7 | -7.6 | -1.5 | | 105 | 7.1 | -6.8 | 1.9 | 1490 |
| 875 | | 67 | 10.9 | -10.0 | -4.3 | | 72 | 9.8 | -9.3 | -3.0 | | 77 | 8.0 | -7.8 | -1.8 | | 93 | 7.4 | -7.4 | .4 | 1242 |
| 900 | | 61 | 11.9 | -10.4 | -5.8 | | 66 | 11.6 | -10.6 | -4.8 | | 71 | 9.4 | -8.9 | -3.0 | | 77 | 8.6 | -8.4 | -2.0 | 999 |
| 925 | | 55 | 11.7 | -9.5 | -6.7 | | 61 | 12.6 | -11.1 | -6.1 | | 66 | 11.0 | -10.0 | -4.5 | | 69 | 8.9 | -8.3 | -3.2 | 762 |
| 950 | | 50 | 11.4 | -8.7 | -7.3 | | 58 | 12.6 | -10.7 | -6.7 | | 64 | 11.1 | -10.0 | -4.9 | | 64 | 7.9 | -7.1 | -3.5 | 529 |
| 975 | | 51 | 11.6 | -9.0 | -7.3 | | 58 | 11.9 | -10.1 | -6.3 | | 63 | 10.0 | -8.9 | -4.6 | | 60 | 7.2 | -6.2 | -3.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 3/21 18 5 GMT I | DD | FF | U | V | 3/22 350 GMT I | DD | FF | U | V | 3/22 7 0 GMT I | DD | FF | U | V | 3/22 12 0 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 35.6 | 35.6 | -.2 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 30.7 | 30.5 | -2.7 | | 275 | 30.1 | 30.0 | -2.5 | | 262 | 21.3 | 21.0 | 3.1 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | | 274 | 5.8 | 5.8 | -.4 | | 271 | 7.8 | 7.8 | -.1 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | | 312 | 4.3 | 3.2 | -2.9 | | 347 | 11.0 | 2.4 | -10.7 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | | 315 | 30.1 | 21.3 | -21.3 | | 330 | 25.1 | 12.5 | -21.8 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 34.3 | 32.2 | -12.0 | | 295 | 33.4 | 30.2 | -14.1 | | 306 | 40.3 | 32.8 | -23.5 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 39.9 | 35.7 | -17.8 | | 297 | 57.6 | 51.5 | -25.8 | | 296 | 51.0 | 45.8 | -22.4 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 53.6 | 49.5 | -20.5 | | 289 | 60.4 | 57.2 | -19.2 | | 288 | 51.4 | 48.9 | -16.0 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 62.9 | 61.6 | -12.9 | | 280 | 65.2 | 64.2 | -11.2 | | 278 | 46.6 | 46.1 | -6.3 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 56.4 | 55.9 | -7.7 | | 272 | 44.7 | 44.7 | -1.9 | | 265 | 45.9 | 45.7 | 4.4 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 45.4 | 45.4 | 1.8 | | 265 | 50.8 | 50.5 | 4.8 | | 263 | 49.8 | 49.4 | 5.8 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 49.1 | 48.0 | 10.1 | | 263 | 57.4 | 57.0 | 6.6 | | 267 | 51.9 | 51.8 | 3.2 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 51.2 | 50.3 | 9.8 | | 261 | 54.3 | 53.5 | 8.9 | | 265 | 50.5 | 50.3 | 4.6 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 51.8 | 51.6 | 4.9 | | 266 | 53.5 | 53.4 | 3.3 | | 261 | 51.3 | 50.6 | 8.0 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 50.2 | 50.1 | 2.2 | | 269 | 52.0 | 52.0 | 1.0 | | 264 | 50.8 | 50.6 | 5.1 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 44.1 | 44.0 | 4.0 | | 265 | 45.8 | 45.6 | 4.1 | | 263 | 48.0 | 47.7 | 6.0 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 43.5 | 43.3 | 4.2 | | 265 | 41.3 | 41.1 | 3.9 | | 260 | 40.4 | 39.8 | 6.9 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 39.0 | 38.5 | -5.7 | | 277 | 41.1 | 40.8 | -4.9 | | 266 | 31.6 | 31.5 | 2.2 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 28.1 | 26.7 | -8.7 | | 306 | 27.1 | 22.0 | -15.8 | | 293 | 22.4 | 20.7 | -8.6 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 26.3 | 24.9 | -8.3 | | 310 | 28.9 | 22.2 | -18.5 | | 298 | 22.2 | 19.5 | -10.6 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 22.7 | 22.2 | -4.7 | | 291 | 23.5 | 21.9 | -8.5 | | 290 | 20.1 | 18.9 | -6.8 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 23.5 | 23.5 | -1.8 | | 276 | 21.5 | 21.3 | -2.2 | | 287 | 18.5 | 17.7 | -5.4 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 24.6 | 24.6 | -1.1 | | 274 | 22.2 | 22.1 | -1.7 | | 275 | 18.4 | 18.3 | -1.6 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 22.0 | 22.0 | -.7 | | 274 | 20.5 | 20.5 | -1.3 | | 274 | 17.4 | 17.3 | -1.3 | 7099 |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 17.4 | 16.7 | 5.0 | | 258 | 17.5 | 17.2 | 3.5 | | 261 | 15.0 | 14.8 | 2.3 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 17.3 | 16.2 | 6.0 | | 252 | 16.8 | 16.0 | 5.2 | | 264 | 16.5 | 16.4 | 1.9 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 16.9 | 15.6 | 6.4 | | 244 | 19.6 | 17.7 | 8.5 | | 254 | 19.1 | 18.4 | 5.3 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 20.2 | 18.8 | 7.3 | | 259 | 18.1 | 17.8 | 3.4 | | 243 | 14.7 | 13.1 | 6.6 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 16.0 | 15.8 | 2.5 | | 270 | 11.8 | 11.8 | .0 | | 255 | 12.2 | 11.8 | 3.2 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 246 | 10.5 | 9.5 | 4.3 | | 262 | 10.3 | 10.2 | 1.5 | | 263 | 9.7 | 9.6 | 1.2 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 9.4 | 8.9 | 3.1 | | 269 | 8.1 | 8.1 | .2 | | 282 | 9.1 | 8.9 | -1.8 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 9.4 | 9.4 | .2 | | 281 | 10.8 | 10.6 | -2.0 | | 293 | 10.5 | 9.7 | -4.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 10.4 | 10.3 | -1.5 | | 287 | 11.6 | 11.1 | -3.4 | | 299 | 9.2 | 8.1 | -4.5 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 7.2 | 7.1 | -1.1 | | 288 | 6.6 | 6.3 | -2.1 | | 298 | 5.3 | 4.7 | -2.4 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 220 | 1.5 | .9 | 1.1 | | 207 | .4 | .2 | .4 | | 105 | 1.3 | -1.2 | .3 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 128 | 4.2 | -3.3 | 2.6 | | 121 | 4.8 | -4.1 | 2.5 | | 104 | 6.2 | -6.0 | 1.5 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 117 | 5.5 | -4.9 | 2.4 | | 114 | 8.1 | -7.4 | 3.3 | | 104 | 7.5 | -7.2 | 1.9 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 5.6 | -5.2 | 1.9 | | 108 | 10.7 | -10.2 | 3.4 | | 103 | 7.5 | -7.3 | 1.7 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 6.2 | -6.2 | .7 | | 105 | 11.2 | -10.8 | 2.9 | | 97 | 8.9 | -8.8 | 1.1 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 84 | 8.4 | -8.4 | -.8 | | 97 | 10.1 | -10.1 | 1.3 | | 96 | 10.7 | -10.7 | 1.2 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 80 | 10.3 | -10.1 | -1.8 | | 89 | 10.3 | -10.3 | -.2 | | 97 | 11.8 | -11.7 | 1.4 | 1490 |
| 875 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 80 | 10.6 | -10.5 | -1.9 | | 85 | 10.7 | -10.6 | -1.0 | | 94 | 11.7 | -11.6 | .7 | 1242 |
| 900 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 78 | 9.8 | -9.6 | -2.1 | | 81 | 10.3 | -10.2 | -1.7 | | 90 | 11.0 | -11.0 | -.1 | 999 |
| 925 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 66 | 9.5 | -8.7 | -3.9 | | 78 | 10.0 | -9.7 | -2.1 | | 87 | 10.3 | -10.3 | -.5 | 762 |
| 950 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 53 | 9.9 | -7.9 | -6.0 | | 75 | 10.2 | -9.8 | -2.7 | | 85 | 9.6 | -9.5 | -.8 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 48 | 9.3 | -6.9 | -6.3 | | 69 | 10.9 | -10.2 | -3.9 | | 83 | 8.9 | -8.8 | -1.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 3/22 1529 GMT | | | | 3/22 1750 GMT | | | | 3/22 2040 GMT | | | | 3/23 150 GMT | | | | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 277 | 39.0 | 38.7 | -4.9 | | 279 | 23.0 | 22.7 | -3.6 | | 276 | 24.8 | 24.7 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 256 | 19.0 | 18.5 | 4.5 | | 256 | 19.2 | 18.7 | 4.6 | | 264 | 29.6 | 29.5 | 2.9 | | 255 | 25.4 | 24.6 | 6.7 | 17801 |
| 90 | | 91 | 3.2 | -3.2 | .1 | | 72 | 11.6 | -11.0 | -3.5 | | 141 | 7.8 | -4.9 | 6.0 | | 63 | 11.2 | -9.9 | -5.1 | 17121 |
| 100 | | 9 | 16.5 | -2.6 | -16.3 | | 301 | 23.7 | 20.3 | -12.3 | | 349 | 8.6 | 1.7 | -8.4 | | 294 | 34.1 | 31.3 | -13.6 | 16521 |
| 110 | | 315 | 34.1 | 24.2 | -24.1 | | 307 | 39.3 | 31.6 | -23.4 | | 314 | 31.2 | 22.6 | -21.6 | | 306 | 36.8 | 30.0 | -21.4 | 15978 |
| 120 | | 308 | 42.1 | 33.0 | -26.1 | | 300 | 52.6 | 45.7 | -26.0 | | 295 | 60.0 | 54.5 | -25.1 | | 284 | 55.9 | 54.2 | -13.8 | 15479 |
| 130 | | 286 | 63.7 | 61.2 | -17.7 | | 289 | 53.8 | 50.8 | -17.6 | | 285 | 51.5 | 49.8 | -13.1 | | 276 | 43.6 | 43.3 | -4.4 | 15014 |
| 140 | | 278 | 51.1 | 50.6 | -7.6 | | 275 | 49.6 | 49.4 | -4.7 | | 271 | 42.1 | 42.1 | -.6 | | 262 | 45.9 | 45.5 | 6.0 | 14578 |
| 150 | | 261 | 45.4 | 44.9 | 6.7 | | 263 | 47.2 | 46.9 | 5.5 | | 269 | 46.0 | 46.0 | .4 | | 260 | 44.4 | 43.8 | 7.6 | 14167 |
| 160 | | 263 | 57.2 | 56.8 | 7.1 | | 266 | 50.3 | 50.2 | 3.3 | | 272 | 46.6 | 46.6 | -1.4 | | 262 | 45.5 | 45.0 | 6.7 | 13776 |
| 170 | | 267 | 52.7 | 52.7 | 2.5 | | 267 | 49.8 | 49.8 | 2.4 | | 273 | 44.1 | 44.1 | -1.9 | | 264 | 39.1 | 38.8 | 4.2 | 13404 |
| 180 | | 271 | 53.3 | 53.3 | -1.2 | | 266 | 47.6 | 47.5 | 3.5 | | 271 | 45.9 | 45.9 | -.5 | | 264 | 33.3 | 33.0 | 3.7 | 13049 |
| 190 | | 270 | 59.1 | 59.0 | -.3 | | 267 | 51.2 | 51.2 | 2.8 | | 268 | 47.7 | 47.7 | 1.7 | | 265 | 35.9 | 35.8 | 2.9 | 12709 |
| 200 | | 265 | 51.0 | 50.7 | 4.7 | | 268 | 49.1 | 49.1 | 2.1 | | 269 | 44.7 | 44.7 | .9 | | 267 | 34.6 | 34.6 | 1.8 | 12383 |
| 225 | | 267 | 52.4 | 52.3 | 2.4 | | 267 | 53.2 | 53.1 | 2.8 | | 269 | 50.1 | 50.1 | 1.1 | | 260 | 42.0 | 41.4 | 7.0 | 11617 |
| 250 | | 263 | 40.3 | 40.0 | 5.1 | | 262 | 45.9 | 45.5 | 6.1 | | 268 | 41.6 | 41.5 | 1.6 | | 258 | 48.6 | 47.4 | 10.4 | 10914 |
| 275 | | 265 | 35.7 | 35.5 | 3.4 | | 262 | 37.4 | 37.0 | 5.2 | | 269 | 38.3 | 38.3 | .9 | | 263 | 43.4 | 43.0 | 5.6 | 10262 |
| 300 | | 282 | 22.8 | 22.3 | -4.5 | | 284 | 27.5 | 26.7 | -6.9 | | 278 | 33.6 | 33.3 | -4.9 | | 283 | 26.9 | 26.2 | -6.1 | 9654 |
| 325 | | 310 | 24.2 | 18.5 | -15.6 | | 308 | 22.6 | 17.7 | -14.1 | | 300 | 24.1 | 20.9 | -12.0 | | 292 | 18.2 | 16.8 | -6.9 | 9084 |
| 350 | | 298 | 17.7 | 15.7 | -8.3 | | 301 | 20.0 | 17.1 | -10.5 | | 309 | 20.9 | 16.2 | -13.3 | | 299 | 15.2 | 13.4 | -7.3 | 8546 |
| 375 | | 294 | 16.8 | 15.3 | -6.8 | | 295 | 14.1 | 12.8 | -6.0 | | 294 | 22.8 | 20.9 | -9.2 | | 290 | 17.8 | 16.8 | -6.0 | 8039 |
| 400 | | 276 | 16.2 | 16.1 | -1.6 | | 284 | 14.5 | 14.1 | -3.5 | | 281 | 19.9 | 19.6 | -3.6 | | 294 | 15.1 | 13.8 | -6.2 | 7557 |
| 425 | | 272 | 16.0 | 16.0 | -.7 | | 273 | 14.5 | 14.5 | -.8 | | 266 | 18.6 | 18.5 | 1.3 | | 282 | 15.1 | 14.8 | -3.3 | 7099 |
| 450 | | 262 | 15.9 | 15.7 | 2.3 | | 267 | 13.2 | 13.2 | .7 | | 264 | 18.1 | 18.0 | 1.9 | | 272 | 14.0 | 14.0 | -.6 | 6662 |
| 475 | | 257 | 15.2 | 14.8 | 3.4 | | 257 | 13.4 | 13.1 | 3.0 | | 253 | 18.7 | 17.9 | 5.4 | | 261 | 16.4 | 16.2 | 2.6 | 6244 |
| 500 | | 259 | 16.7 | 16.3 | 3.3 | | 265 | 14.3 | 14.2 | 1.3 | | 251 | 17.9 | 16.9 | 5.8 | | 262 | 19.1 | 18.8 | 2.8 | 5844 |
| 525 | | 246 | 14.2 | 12.9 | 5.9 | | 258 | 14.3 | 14.0 | 3.1 | | 242 | 15.8 | 13.9 | 7.5 | | 254 | 15.6 | 15.1 | 4.2 | 5460 |
| 550 | | 261 | 11.3 | 11.2 | 1.7 | | 258 | 12.4 | 12.1 | 2.6 | | 258 | 14.5 | 14.2 | 3.0 | | 270 | 16.8 | 16.8 | -.1 | 5091 |
| 575 | | 268 | 9.7 | 9.7 | .4 | | 269 | 9.6 | 9.6 | .1 | | 268 | 13.2 | 13.1 | .5 | | 284 | 14.0 | 13.6 | -3.4 | 4736 |
| 600 | | 273 | 9.2 | 9.2 | -.4 | | 272 | 8.5 | 8.5 | -.4 | | 268 | 11.6 | 11.6 | .4 | | 290 | 12.4 | 11.7 | -4.3 | 4393 |
| 625 | | 283 | 10.6 | 10.4 | -2.4 | | 284 | 10.0 | 9.7 | -2.4 | | 277 | 9.7 | 9.6 | -1.3 | | 298 | 10.2 | 9.0 | -4.8 | 4062 |
| 650 | | 294 | 5.6 | 5.2 | -2.3 | | 291 | 7.7 | 7.2 | -2.7 | | 269 | 6.1 | 6.1 | .1 | | 291 | 6.8 | 6.4 | -2.4 | 3742 |
| 675 | | 306 | 1.9 | 1.5 | -1.1 | | 294 | 2.7 | 2.5 | -1.1 | | 254 | 3.7 | 3.5 | 1.0 | | 210 | 5.4 | 2.7 | 4.7 | 3431 |
| 700 | | 101 | 1.6 | -1.5 | .3 | | 175 | .6 | -.1 | .6 | | 242 | 1.5 | 1.4 | .7 | | 171 | 10.3 | -1.7 | 10.2 | 3130 |
| 725 | | 106 | 5.4 | -5.2 | 1.5 | | 141 | 2.5 | -1.6 | 2.0 | | 164 | 1.3 | -.4 | 1.3 | | 154 | 11.3 | -4.9 | 10.2 | 2837 |
| 750 | | 111 | 6.7 | -6.2 | 2.4 | | 127 | 4.1 | -3.2 | 2.5 | | 140 | 3.3 | -2.1 | 2.5 | | 141 | 11.1 | -7.0 | 8.7 | 2553 |
| 775 | | 115 | 6.6 | -6.0 | 2.8 | | 120 | 5.4 | -4.7 | 2.8 | | 127 | 5.2 | -4.1 | 3.1 | | 143 | 11.9 | -7.3 | 9.5 | 2276 |
| 800 | | 108 | 7.3 | -7.0 | 2.2 | | 118 | 6.5 | -5.8 | 3.0 | | 117 | 6.6 | -5.9 | 3.0 | | 144 | 11.0 | -6.4 | 9.0 | 2007 |
| 825 | | 100 | 8.0 | -7.9 | 1.4 | | 118 | 6.9 | -6.1 | 3.3 | | 120 | 8.0 | -7.0 | 4.0 | | 149 | 9.0 | -4.6 | 7.7 | 1745 |
| 850 | | 97 | 8.0 | -7.9 | 1.0 | | 120 | 7.3 | -6.3 | 3.7 | | 121 | 8.5 | -7.3 | 4.4 | | 146 | 7.4 | -4.1 | 6.1 | 1490 |
| 875 | | 96 | 8.1 | -8.0 | .9 | | 119 | 8.5 | -7.4 | 4.1 | | 112 | 7.6 | -7.0 | 2.9 | | 116 | 6.3 | -5.7 | 2.8 | 1242 |
| 900 | | 94 | 8.2 | -8.2 | .6 | | 114 | 9.2 | -8.4 | 3.8 | | 107 | 7.1 | -6.8 | 2.1 | | 104 | 6.8 | -6.6 | 1.6 | 999 |
| 925 | | 86 | 7.9 | -7.8 | -.5 | | 106 | 9.1 | -8.8 | 2.5 | | 125 | 9.2 | -7.6 | 5.3 | | 127 | 6.8 | -5.4 | 4.1 | 762 |
| 950 | | 77 | 8.3 | -8.1 | -1.9 | | 95 | 9.8 | -9.8 | .9 | | 137 | 12.0 | -8.2 | 8.8 | | 143 | 6.8 | -4.1 | 5.4 | 529 |
| 975 | | 79 | 9.9 | -9.7 | -1.9 | | 90 | 10.8 | -10.8 | -.0 | | 140 | 11.1 | -7.1 | 8.6 | | 148 | 5.9 | -3.2 | 5.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/23 830 GMT | | | | 3/23 1115 GMT | | | | 3/23 1445 GMT | | | | 3/23 1830 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 28.9 | 28.9 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 264 | 29.6 | 29.4 | 2.9 | | 264 | 25.4 | 25.2 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 19.3 | 19.3 | 1.0 | 18589 |
| 80 | | 271 | 16.9 | 16.9 | -.3 | | 260 | 21.0 | 20.7 | 3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 254 | 17.3 | 16.6 | 4.8 | 17801 |
| 90 | | 228 | 8.2 | 6.1 | 5.5 | | 251 | 5.4 | 5.1 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 238 | 18.0 | 15.2 | 9.6 | 17121 |
| 100 | | 1 | 12.0 | -.3 | -12.0 | | 333 | 16.5 | 7.4 | -14.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 19.0 | 17.4 | -7.7 | 16521 |
| 110 | | 290 | 40.6 | 38.2 | -13.7 | | 287 | 48.6 | 46.5 | -14.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 28.3 | 25.1 | -13.1 | 15978 |
| 120 | | 280 | 51.7 | 50.9 | -8.8 | | 278 | 62.7 | 62.1 | -8.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 35.4 | 33.7 | -10.7 | 15479 |
| 130 | | 273 | 55.6 | 55.5 | -2.7 | | 272 | 58.0 | 57.9 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 44.3 | 43.7 | -7.2 | 15014 |
| 140 | | 261 | 48.1 | 47.6 | 7.4 | | 271 | 57.4 | 57.4 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 43.7 | 43.4 | -4.9 | 14578 |
| 150 | | 256 | 50.0 | 48.6 | 11.7 | | 263 | 49.0 | 48.5 | 6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 41.1 | 41.1 | -1.5 | 14167 |
| 160 | | 253 | 53.4 | 51.2 | 15.2 | | 253 | 48.5 | 46.3 | 14.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 42.1 | 42.0 | 2.6 | 13776 |
| 170 | | 250 | 51.4 | 48.2 | 17.8 | | 253 | 53.5 | 51.2 | 15.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 41.6 | 41.1 | 6.7 | 13404 |
| 180 | | 245 | 46.8 | 42.4 | 19.8 | | 255 | 46.9 | 45.3 | 12.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 40.6 | 38.9 | 11.8 | 13049 |
| 190 | | 240 | 45.7 | 39.7 | 22.6 | | 251 | 48.8 | 46.3 | 15.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 247 | 38.5 | 35.5 | 15.0 | 12709 |
| 200 | | 239 | 45.4 | 38.8 | 23.7 | | 248 | 51.8 | 48.1 | 19.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 37.6 | 34.8 | 14.4 | 12383 |
| 225 | | 244 | 42.7 | 38.3 | 19.0 | | 237 | 46.3 | 39.0 | 25.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 35.4 | 34.0 | 10.1 | 11617 |
| 250 | | 257 | 45.1 | 43.9 | 10.4 | | 238 | 40.8 | 34.7 | 21.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 29.7 | 29.3 | 5.2 | 10914 |
| 275 | | 257 | 40.4 | 39.4 | 9.0 | | 245 | 40.0 | 36.3 | 16.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 27.1 | 27.1 | 1.5 | 10262 |
| 300 | | 259 | 40.2 | 39.4 | 7.9 | | 258 | 30.9 | 30.2 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 20.5 | 20.5 | .7 | 9654 |
| 325 | | 276 | 29.6 | 29.5 | -3.1 | | 280 | 21.1 | 20.8 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 15.8 | 15.6 | -2.6 | 9084 |
| 350 | | 289 | 19.1 | 18.1 | -6.2 | | 289 | 17.2 | 16.3 | -5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 16.1 | 15.8 | -2.7 | 8546 |
| 375 | | 283 | 18.5 | 18.0 | -4.1 | | 306 | 15.0 | 12.1 | -8.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 15.0 | 14.6 | -3.4 | 8039 |
| 400 | | 271 | 15.3 | 15.3 | -.2 | | 292 | 13.4 | 12.4 | -5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 17.3 | 15.7 | -7.4 | 7557 |
| 425 | | 265 | 14.4 | 14.3 | 1.1 | | 260 | 13.7 | 13.5 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 15.1 | 13.5 | -6.8 | 7099 |
| 450 | | 253 | 12.5 | 12.0 | 3.7 | | 256 | 14.3 | 13.9 | 3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 11.2 | 10.8 | -3.1 | 6662 |
| 475 | | 250 | 15.7 | 14.7 | 5.4 | | 247 | 14.1 | 13.0 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 10.9 | 10.8 | 1.1 | 6244 |
| 500 | | 256 | 13.9 | 13.5 | 3.3 | | 251 | 14.8 | 14.0 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 240 | 10.0 | 8.7 | 5.0 | 5844 |
| 525 | | 245 | 10.5 | 9.5 | 4.5 | | 252 | 10.4 | 9.9 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 241 | 8.1 | 7.1 | 4.0 | 5460 |
| 550 | | 259 | 9.5 | 9.4 | 1.9 | | 257 | 8.6 | 8.4 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 234 | 6.0 | 4.8 | 3.5 | 5091 |
| 575 | | 282 | 11.3 | 11.0 | -2.3 | | 288 | 6.0 | 5.7 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 238 | 1.6 | 1.4 | .9 | 4736 |
| 600 | | 290 | 8.0 | 7.5 | -2.8 | | 328 | 4.8 | 2.5 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 40 | .4 | -.2 | -.3 | 4393 |
| 625 | | 327 | 3.2 | 1.8 | -2.7 | | 330 | 2.9 | 1.4 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 163 | 1.3 | -.4 | 1.2 | 4062 |
| 650 | | 336 | 2.5 | 1.0 | -2.3 | | 302 | 1.3 | 1.1 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 137 | 4.8 | -3.3 | 3.6 | 3742 |
| 675 | | 254 | 1.5 | 1.4 | .4 | | 156 | 1.7 | -.7 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 135 | 7.0 | -4.9 | 4.9 | 3431 |
| 700 | | 159 | 4.8 | -1.7 | 4.5 | | 149 | 5.8 | -3.0 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 132 | 7.4 | -5.5 | 4.9 | 3130 |
| 725 | | 150 | 9.2 | -4.6 | 7.9 | | 154 | 7.5 | -3.3 | 6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 126 | 8.3 | -6.7 | 4.8 | 2837 |
| 750 | | 142 | 8.9 | -5.5 | 7.0 | | 142 | 7.7 | -4.7 | 6.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 124 | 11.7 | -9.7 | 6.5 | 2553 |
| 775 | | 122 | 7.8 | -6.6 | 4.2 | | 132 | 9.2 | -6.8 | 6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 121 | 13.8 | -11.9 | 7.0 | 2276 |
| 800 | | 116 | 10.1 | -9.1 | 4.4 | | 131 | 10.7 | -8.1 | 7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 115 | 13.2 | -11.9 | 5.5 | 2007 |
| 825 | | 118 | 13.7 | -12.2 | 6.4 | | 126 | 11.3 | -9.1 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 13.1 | -12.3 | 4.5 | 1745 |
| 850 | | 118 | 15.9 | -14.1 | 7.4 | | 118 | 11.9 | -10.5 | 5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 13.8 | -12.9 | 4.7 | 1490 |
| 875 | | 117 | 14.9 | -13.3 | 6.8 | | 111 | 12.7 | -11.9 | 4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 111 | 14.9 | -13.9 | 5.3 | 1242 |
| 900 | | 114 | 12.3 | -11.2 | 5.0 | | 106 | 12.7 | -12.2 | 3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 111 | 15.4 | -14.4 | 5.4 | 999 |
| 925 | | 109 | 9.5 | -9.0 | 3.1 | | 104 | 11.1 | -10.8 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 13.6 | -12.7 | 4.7 | 762 |
| 950 | | 106 | 6.5 | -6.2 | 1.8 | | 108 | 8.8 | -8.4 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 112 | 10.9 | -10.2 | 4.0 | 529 |
| 975 | | 105 | 4.5 | -4.3 | 1.2 | | 113 | 7.2 | -6.6 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 113 | 10.3 | -9.5 | 4.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/23 2358 GMT | | | | 3/24 3 7 GMT | | | | 3/24 645 GMT | | | | 3/24 915 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 228 | 14.6 | 10.8 | 9.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 272 | 23.1 | 23.1 | -.7 | | 263 | 21.3 | 21.2 | 2.5 | | 258 | 21.6 | 21.2 | 4.5 | | 247 | 25.2 | 23.2 | 9.7 | 18589 |
| 80 | | 261 | 25.6 | 25.3 | 4.0 | | 258 | 20.4 | 20.0 | 4.4 | | 241 | 28.7 | 25.1 | 13.9 | | 240 | 27.3 | 23.7 | 13.6 | 17801 |
| 90 | | 231 | 18.7 | 14.6 | 11.7 | | 232 | 11.7 | 9.3 | 7.2 | | 243 | 29.8 | 26.5 | 13.7 | | 247 | 32.5 | 30.0 | 12.6 | 17121 |
| 100 | | 268 | 4.5 | 4.5 | .1 | | 259 | 8.1 | 7.9 | 1.5 | | 266 | 5.4 | 5.4 | .4 | | 287 | 11.0 | 10.6 | -3.2 | 16521 |
| 110 | | 321 | 19.9 | 12.5 | -15.5 | | 287 | 26.9 | 25.6 | -8.0 | | 315 | 22.8 | 16.2 | -16.1 | | 285 | 27.3 | 26.3 | -7.1 | 15978 |
| 120 | | 286 | 30.4 | 29.2 | -8.4 | | 281 | 33.8 | 33.3 | -6.3 | | 279 | 28.0 | 27.7 | -4.4 | | 280 | 27.5 | 27.1 | -4.7 | 15479 |
| 130 | 1 | 269 | 42.3 | 42.3 | .8 | | 264 | 32.8 | 32.7 | 3.2 | | 266 | 27.4 | 27.4 | 1.7 | | 268 | 32.3 | 32.3 | 1.0 | 15014 |
| 140 | 0 | 265 | 49.5 | 49.2 | 4.6 | | 257 | 32.6 | 31.8 | 7.3 | | 252 | 26.5 | 25.2 | 8.2 | | 257 | 28.4 | 27.7 | 6.5 | 14578 |
| 150 | 2 | 261 | 49.9 | 49.3 | 7.8 | | 256 | 30.5 | 29.6 | 7.5 | | 248 | 29.1 | 27.1 | 10.7 | | 246 | 32.2 | 29.5 | 13.1 | 14167 |
| 160 | | 259 | 45.3 | 44.4 | 8.6 | | 258 | 26.2 | 25.7 | 5.3 | | 250 | 27.0 | 25.4 | 9.2 | | 250 | 30.9 | 29.0 | 10.5 | 13776 |
| 170 | | 257 | 39.3 | 38.3 | 8.9 | | 261 | 24.7 | 24.4 | 4.1 | | 244 | 30.5 | 27.3 | 13.6 | | 246 | 31.0 | 28.3 | 12.6 | 13404 |
| 180 | | 256 | 39.0 | 37.9 | 9.1 | | 257 | 26.4 | 25.7 | 6.2 | | 248 | 26.7 | 24.8 | 9.9 | | 245 | 31.0 | 28.1 | 13.2 | 13049 |
| 190 | | 257 | 38.6 | 37.7 | 8.5 | | 248 | 27.4 | 25.4 | 10.2 | | 253 | 26.6 | 25.4 | 7.8 | | 250 | 29.5 | 27.7 | 10.3 | 12709 |
| 200 | | 258 | 36.6 | 35.7 | 7.7 | | 240 | 27.2 | 23.5 | 13.6 | | 251 | 21.8 | 20.6 | 7.2 | | 247 | 28.6 | 26.4 | 11.0 | 12383 |
| 225 | | 264 | 31.4 | 31.2 | 3.2 | | 235 | 25.1 | 20.5 | 14.5 | | 250 | 11.4 | 10.7 | 4.0 | | 247 | 22.4 | 20.6 | 8.7 | 11617 |
| 250 | | 265 | 29.8 | 29.7 | 2.8 | | 248 | 22.0 | 20.4 | 8.3 | | 239 | 6.8 | 5.8 | 3.6 | | 234 | 16.4 | 13.2 | 9.7 | 10914 |
| 275 | | 264 | 21.0 | 20.9 | 2.4 | | 247 | 20.9 | 19.1 | 8.3 | | 251 | 7.3 | 6.9 | 2.4 | | 234 | 18.9 | 15.4 | 11.0 | 10262 |
| 300 | | 268 | 10.7 | 10.7 | .4 | | 240 | 19.6 | 17.0 | 9.8 | | 246 | 7.5 | 6.9 | 3.0 | | 230 | 15.5 | 11.9 | 10.0 | 9654 |
| 325 | | 293 | 8.3 | 7.6 | -3.3 | | 236 | 18.6 | 15.5 | 10.3 | | 240 | 6.7 | 5.8 | 3.4 | | 234 | 9.8 | 7.9 | 5.8 | 9084 |
| 350 | | 291 | 6.1 | 5.7 | -2.2 | | 240 | 10.5 | 9.1 | 5.2 | | 216 | 8.8 | 5.1 | 7.1 | | 232 | 9.8 | 7.7 | 5.9 | 8546 |
| 375 | | 292 | 5.1 | 4.8 | -1.9 | | 221 | 9.0 | 5.9 | 6.8 | | 219 | 8.4 | 5.3 | 6.5 | | 226 | 6.7 | 4.8 | 4.7 | 8039 |
| 400 | | 257 | 5.9 | 5.7 | 1.4 | | 213 | 8.4 | 4.6 | 7.0 | | 215 | 7.6 | 4.4 | 6.2 | | 209 | 4.9 | 2.4 | 4.3 | 7557 |
| 425 | | 214 | 8.2 | 4.5 | 6.8 | | 227 | 8.9 | 6.5 | 6.0 | | 209 | 6.7 | 3.2 | 5.9 | | 197 | 4.5 | 1.3 | 4.3 | 7099 |
| 450 | | 205 | 11.0 | 4.6 | 10.0 | | 230 | 9.5 | 7.3 | 6.1 | | 218 | 6.8 | 4.2 | 5.4 | | 214 | 7.4 | 4.2 | 6.1 | 6662 |
| 475 | | 212 | 7.9 | 4.2 | 6.7 | | 229 | 9.6 | 7.2 | 6.3 | | 227 | 6.8 | 5.0 | 4.7 | | 196 | 8.6 | 2.4 | 8.2 | 6244 |
| 500 | | 236 | 6.7 | 5.5 | 3.7 | | 230 | 9.3 | 7.1 | 6.0 | | 238 | 8.0 | 6.8 | 4.2 | | 206 | 7.0 | 3.0 | 6.3 | 5844 |
| 525 | | 237 | 8.5 | 7.1 | 4.6 | | 222 | 8.4 | 5.6 | 6.3 | | 231 | 6.5 | 5.1 | 4.1 | | 229 | 7.3 | 5.5 | 4.8 | 5460 |
| 550 | | 218 | 9.2 | 5.6 | 7.2 | | 217 | 7.9 | 4.8 | 6.3 | | 219 | 8.4 | 5.2 | 6.6 | | 222 | 10.8 | 7.1 | 8.1 | 5091 |
| 575 | | 195 | 8.0 | 2.1 | 7.8 | | 223 | 7.9 | 5.3 | 5.8 | | 209 | 9.7 | 4.7 | 8.5 | | 220 | 10.8 | 7.0 | 8.3 | 4736 |
| 600 | | 178 | 5.5 | -.2 | 5.4 | | 212 | 8.1 | 4.3 | 6.9 | | 192 | 5.8 | 1.2 | 5.7 | | 208 | 8.7 | 4.1 | 7.7 | 4393 |
| 625 | | 152 | 4.1 | -1.9 | 3.7 | | 196 | 6.8 | 1.9 | 6.5 | | 155 | 8.5 | -3.6 | 7.7 | | 185 | 7.4 | .7 | 7.3 | 4062 |
| 650 | | 142 | 5.2 | -3.2 | 4.1 | | 157 | 3.6 | -1.4 | 3.3 | | 157 | 12.0 | -4.6 | 11.0 | | 165 | 5.5 | -1.4 | 5.3 | 3742 |
| 675 | | 146 | 6.0 | -3.3 | 5.0 | | 91 | 8.0 | -8.0 | .1 | | 158 | 12.4 | -4.6 | 11.5 | | 165 | 6.2 | -1.6 | 6.0 | 3431 |
| 700 | | 144 | 7.6 | -4.5 | 6.1 | | 78 | 11.9 | -11.6 | -2.4 | | 145 | 12.8 | -7.3 | 10.5 | | 165 | 6.9 | -1.8 | 6.6 | 3130 |
| 725 | | 136 | 11.3 | -7.9 | 8.1 | | 79 | 12.5 | -12.3 | -2.5 | | 133 | 12.4 | -9.2 | 8.4 | | 159 | 4.2 | -1.5 | 3.9 | 2837 |
| 750 | | 125 | 13.2 | -10.7 | 7.6 | | 88 | 12.9 | -12.9 | -.4 | | 133 | 11.8 | -8.6 | 8.0 | | 124 | 3.4 | -2.8 | 1.9 | 2553 |
| 775 | | 115 | 12.1 | -11.0 | 5.1 | | 91 | 13.8 | -13.8 | .3 | | 132 | 9.4 | -7.0 | 6.3 | | 109 | 4.4 | -4.1 | 1.5 | 2276 |
| 800 | | 109 | 10.7 | -10.1 | 3.5 | | 86 | 14.3 | -14.2 | -1.1 | | 131 | 6.6 | -5.0 | 4.3 | | 102 | 5.0 | -4.9 | 1.0 | 2007 |
| 825 | | 108 | 9.7 | -9.3 | 3.1 | | 85 | 13.6 | -13.6 | -1.3 | | 133 | 4.8 | -3.5 | 3.2 | | 90 | 6.3 | -6.3 | -.0 | 1745 |
| 850 | | 107 | 8.7 | -8.3 | 2.5 | | 87 | 12.5 | -12.5 | -.7 | | 117 | 3.3 | -2.9 | 1.5 | | 80 | 8.0 | -7.9 | -1.4 | 1490 |
| 875 | | 101 | 8.0 | -7.8 | 1.6 | | 87 | 11.4 | -11.4 | -.6 | | 97 | 3.7 | -3.7 | .4 | | 75 | 9.1 | -8.8 | -2.4 | 1242 |
| 900 | | 99 | 8.2 | -8.1 | 1.2 | | 89 | 9.9 | -9.9 | -.2 | | 89 | 5.2 | -5.2 | -.1 | | 72 | 9.7 | -9.2 | -3.0 | 999 |
| 925 | | 102 | 8.0 | -7.8 | 1.7 | | 97 | 8.0 | -8.0 | 1.0 | | 71 | 6.2 | -5.9 | -2.1 | | 75 | 9.9 | -9.6 | -2.6 | 762 |
| 950 | | 106 | 6.1 | -5.9 | 1.7 | | 115 | 7.3 | -6.6 | 3.1 | | 51 | 6.7 | -5.2 | -4.2 | | 80 | 9.5 | -9.3 | -1.7 | 529 |
| 975 | | 102 | 4.1 | -4.0 | .8 | | 134 | 9.7 | -6.9 | 6.7 | | 38 | 5.5 | -3.4 | -4.3 | | 77 | 7.8 | -7.6 | -1.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/24 1155 GMT | | | | 3/24 1847 GMT | | | | 3/25 045 GMT | | | | 3/25 6 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 271 | 12.2 | 12.2 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 1 256 | 37.5 | 36.4 | 9.0 | 278 | 15.2 | 15.1 | -2.2 | 0 0 | 0.0 | 0.0 | 0.0 | 253 | 19.1 | 18.3 | 5.7 | 18589 |
| 80 | 247 | 24.9 | 22.9 | 9.7 | 266 | 23.2 | 23.1 | 1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 248 | 24.3 | 22.6 | 8.9 | 17801 |
| 90 | 248 | 21.4 | 19.8 | 8.0 | 258 | 31.2 | 30.5 | 6.7 | 0 0 | 0.0 | 0.0 | 0.0 | 264 | 23.5 | 23.4 | 2.3 | 17121 |
| 100 | 266 | 11.1 | 11.1 | .8 | 245 | 22.8 | 20.7 | 9.6 | 0 0 | 0.0 | 0.0 | 0.0 | 218 | 18.6 | 11.5 | 14.6 | 16521 |
| 110 | 296 | 21.8 | 19.6 | -9.7 | 277 | 23.0 | 22.9 | -2.6 | 0 0 | 0.0 | 0.0 | 0.0 | 246 | 14.8 | 13.5 | 6.0 | 15978 |
| 120 | 278 | 26.1 | 25.8 | -3.5 | 275 | 22.9 | 22.8 | -2.2 | 268 | 30.9 | 30.9 | .9 | 273 | 21.8 | 21.8 | -1.0 | 15479 |
| 130 | 277 | 29.8 | 29.6 | -3.7 | 260 | 35.1 | 34.5 | 6.4 | 273 | 36.1 | 36.0 | -1.7 | 267 | 40.7 | 40.6 | 1.9 | 15014 |
| 140 | 268 | 28.2 | 28.2 | .8 | 258 | 40.1 | 39.1 | 8.6 | 264 | 39.3 | 39.1 | 4.1 | 269 | 42.8 | 42.8 | .5 | 14578 |
| 150 | 254 | 31.2 | 30.0 | 8.4 | 246 | 29.9 | 27.3 | 12.2 | 262 | 41.0 | 40.6 | 6.0 | 272 | 43.2 | 43.1 | -1.8 | 14167 |
| 160 | 250 | 30.7 | 28.8 | 10.5 | 235 | 37.9 | 31.0 | 21.8 | 254 | 37.0 | 35.5 | 10.1 | 267 | 38.9 | 38.8 | 2.3 | 13776 |
| 170 | 250 | 29.1 | 27.3 | 10.1 | 242 | 32.4 | 28.6 | 15.3 | 242 | 35.1 | 31.1 | 16.2 | 253 | 33.7 | 32.1 | 10.0 | 13404 |
| 180 | 247 | 29.1 | 26.7 | 11.4 | 242 | 28.8 | 25.5 | 13.3 | 238 | 33.6 | 28.6 | 17.6 | 239 | 33.9 | 29.2 | 17.3 | 13049 |
| 190 | 244 | 29.5 | 26.5 | 12.9 | 241 | 28.1 | 24.7 | 13.4 | 241 | 29.2 | 25.6 | 14.0 | 238 | 34.3 | 29.1 | 18.1 | 12709 |
| 200 | 245 | 30.0 | 27.1 | 12.8 | 247 | 25.5 | 23.5 | 10.1 | 245 | 26.8 | 24.3 | 11.3 | 240 | 30.5 | 26.5 | 15.1 | 12383 |
| 225 | 254 | 26.9 | 25.8 | 7.4 | 249 | 29.3 | 27.3 | 10.4 | 253 | 27.0 | 25.7 | 8.1 | 247 | 24.5 | 22.5 | 9.8 | 11617 |
| 250 | 250 | 23.9 | 22.4 | 8.2 | 257 | 28.9 | 28.1 | 6.5 | 251 | 24.7 | 23.3 | 8.1 | 254 | 23.2 | 22.3 | 6.3 | 10914 |
| 275 | 235 | 16.0 | 13.1 | 9.2 | 255 | 23.4 | 22.6 | 6.2 | 268 | 13.8 | 13.8 | .5 | 257 | 20.1 | 19.6 | 4.6 | 10262 |
| 300 | 258 | 21.3 | 20.9 | 4.4 | 252 | 23.9 | 22.8 | 7.3 | 263 | 16.1 | 16.0 | 1.8 | 254 | 14.7 | 14.1 | 4.2 | 9654 |
| 325 | 253 | 14.1 | 13.5 | 4.1 | 250 | 21.2 | 19.9 | 7.1 | 269 | 14.2 | 14.2 | .3 | 268 | 11.0 | 11.0 | .5 | 9084 |
| 350 | 243 | 10.3 | 9.2 | 4.7 | 250 | 13.5 | 12.7 | 4.6 | 246 | 15.8 | 14.4 | 6.4 | 260 | 17.2 | 16.9 | 3.0 | 8546 |
| 375 | 227 | 7.2 | 5.3 | 4.9 | 234 | 5.1 | 4.2 | 3.0 | 240 | 13.7 | 11.9 | 6.8 | 249 | 17.1 | 16.0 | 6.1 | 8039 |
| 400 | 185 | 4.2 | .3 | 4.2 | 270 | 2.5 | 2.5 | -.0 | 229 | 8.9 | 6.7 | 5.9 | 244 | 14.6 | 13.1 | 6.5 | 7557 |
| 425 | 218 | 3.6 | 2.3 | 2.9 | 269 | 2.4 | 2.4 | .0 | 234 | 12.3 | 10.0 | 7.3 | 254 | 15.1 | 14.5 | 4.1 | 7099 |
| 450 | 212 | 4.8 | 2.5 | 4.1 | 249 | 3.3 | 3.1 | 1.2 | 240 | 12.9 | 11.2 | 6.4 | 248 | 13.8 | 12.8 | 5.3 | 6662 |
| 475 | 234 | 6.7 | 5.4 | 4.0 | 209 | 3.2 | 1.6 | 2.8 | 243 | 8.8 | 7.8 | 4.0 | 253 | 13.6 | 13.0 | 4.0 | 6244 |
| 500 | 255 | 4.8 | 4.7 | 1.2 | 209 | 6.2 | 3.0 | 5.5 | 247 | 3.1 | 2.9 | 1.2 | 270 | 7.8 | 7.8 | .1 | 5844 |
| 525 | 256 | 5.1 | 5.0 | 1.2 | 245 | 5.8 | 5.2 | 2.5 | 217 | 1.4 | .9 | 1.1 | 304 | 3.1 | 2.6 | -1.7 | 5460 |
| 550 | 249 | 6.1 | 5.7 | 2.2 | 260 | 6.2 | 6.1 | 1.1 | 200 | 2.9 | 1.0 | 2.7 | 266 | 1.8 | 1.8 | .1 | 5091 |
| 575 | 249 | 7.2 | 6.7 | 2.6 | 240 | 4.6 | 4.0 | 2.3 | 222 | 3.2 | 2.2 | 2.4 | 231 | 2.4 | 1.8 | 1.5 | 4736 |
| 600 | 229 | 6.0 | 4.5 | 3.9 | 226 | 4.7 | 3.4 | 3.3 | 222 | 4.0 | 2.7 | 2.9 | 162 | 4.1 | -1.2 | 3.9 | 4393 |
| 625 | 218 | 6.2 | 3.8 | 4.9 | 197 | 5.5 | 1.6 | 5.2 | 185 | 4.8 | .4 | 4.8 | 180 | 5.0 | -.0 | 5.0 | 4062 |
| 650 | 235 | 6.1 | 5.0 | 3.5 | 182 | 5.8 | .2 | 5.8 | 159 | 6.6 | -2.3 | 6.2 | 191 | 3.9 | .8 | 3.8 | 3742 |
| 675 | 224 | 5.1 | 3.5 | 3.6 | 160 | 4.1 | -1.4 | 3.9 | 150 | 7.8 | -3.8 | 6.8 | 143 | 5.5 | -3.3 | 4.4 | 3431 |
| 700 | 174 | 2.1 | -.2 | 2.1 | 113 | 5.3 | -4.9 | 2.1 | 139 | 8.3 | -5.4 | 6.2 | 127 | 8.8 | -7.0 | 5.3 | 3130 |
| 725 | 98 | 3.3 | -3.2 | .5 | 117 | 5.8 | -5.2 | 2.6 | 132 | 7.9 | -5.8 | 5.3 | 125 | 8.2 | -6.7 | 4.7 | 2837 |
| 750 | 86 | 5.6 | -5.5 | -.4 | 145 | 5.1 | -2.9 | 4.2 | 103 | 5.4 | -5.3 | 1.3 | 120 | 5.4 | -4.7 | 2.7 | 2553 |
| 775 | 78 | 7.6 | -7.4 | -1.6 | 130 | 5.4 | -4.2 | 3.4 | 71 | 5.1 | -4.8 | -1.7 | 105 | 4.7 | -4.6 | 1.2 | 2276 |
| 800 | 77 | 10.7 | -10.4 | -2.4 | 103 | 7.6 | -7.4 | 1.7 | 87 | 4.7 | -4.7 | -.2 | 95 | 6.5 | -6.4 | .5 | 2007 |
| 825 | 86 | 15.6 | -15.5 | -1.2 | 102 | 8.2 | -8.0 | 1.6 | 93 | 4.1 | -4.1 | .2 | 92 | 7.9 | -7.9 | .2 | 1745 |
| 850 | 97 | 19.4 | -19.2 | 2.4 | 109 | 8.3 | -7.8 | 2.7 | 72 | 3.2 | -3.0 | -1.0 | 88 | 8.4 | -8.4 | -.3 | 1490 |
| 875 | 111 | 19.1 | -17.8 | 6.9 | 111 | 9.7 | -9.0 | 3.5 | 49 | 3.5 | -2.6 | -2.3 | 81 | 9.1 | -9.0 | -1.4 | 1242 |
| 900 | 125 | 16.2 | -13.3 | 9.3 | 109 | 10.9 | -10.3 | 3.6 | 55 | 4.4 | -3.6 | -2.5 | 75 | 9.1 | -8.7 | -2.4 | 999 |
| 925 | 125 | 13.8 | -11.4 | 7.9 | 105 | 10.6 | -10.3 | 2.7 | 71 | 5.7 | -5.4 | -1.9 | 68 | 7.5 | -7.0 | -2.8 | 762 |
| 950 | 116 | 13.9 | -12.5 | 6.0 | 100 | 9.4 | -9.2 | 1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 56 | 5.6 | -4.7 | -3.1 | 529 |
| 975 | 117 | 12.7 | -11.3 | 5.7 | 97 | 7.9 | -7.8 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 50 | 5.0 | -3.8 | -3.2 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 3/25 1125 GMT I | DD | FF | U | V | 3/25 1818 GMT I | DD | FF | U | V | 3/25 2337 GMT I | DD | FF | U | V | 3/26 620 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | | 262 | 19.7 | 19.5 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 19.6 | 19.4 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 253 | 21.2 | 20.2 | 6.3 | | 248 | 21.8 | 20.2 | 8.3 | | 250 | 20.8 | 19.5 | 7.1 | | 254 | 18.1 | 17.4 | 5.0 | 18589 |
| 80 | | 257 | 29.0 | 28.2 | 6.8 | | 261 | 18.6 | 18.4 | 2.8 | | 267 | 15.2 | 15.2 | .9 | | 239 | 13.2 | 11.3 | 6.9 | 17801 |
| 90 | | 265 | 14.0 | 14.0 | 1.3 | | 243 | 20.7 | 18.4 | 9.4 | | 244 | 23.6 | 21.2 | 10.4 | | 256 | 25.1 | 24.3 | 6.2 | 17121 |
| 100 | | 242 | 26.0 | 23.0 | 12.1 | | 231 | 29.7 | 23.0 | 18.7 | | 233 | 26.9 | 21.4 | 16.3 | | 227 | 30.2 | 22.3 | 20.4 | 16521 |
| 110 | | 236 | 15.0 | 12.5 | 8.4 | | 228 | 18.0 | 13.5 | 11.9 | | 225 | 14.2 | 10.1 | 10.0 | | 219 | 11.6 | 7.4 | 9.0 | 15978 |
| 120 | | 283 | 25.5 | 24.9 | -5.6 | | 287 | 17.9 | 17.2 | -5.1 | | 260 | 18.4 | 18.1 | 3.3 | | 271 | 19.4 | 19.4 | -.4 | 15479 |
| 130 | | 280 | 42.7 | 42.0 | -7.4 | | 286 | 33.8 | 32.5 | -9.2 | | 276 | 32.0 | 31.8 | -3.1 | | 274 | 31.1 | 31.0 | -2.2 | 15014 |
| 140 | | 268 | 45.7 | 45.7 | 1.3 | | 277 | 38.2 | 37.9 | -4.9 | | 273 | 36.2 | 36.2 | -1.7 | | 271 | 31.6 | 31.6 | -.6 | 14578 |
| 150 | | 258 | 40.4 | 39.5 | 8.3 | | 273 | 37.0 | 37.0 | -2.2 | | 266 | 37.8 | 37.7 | 2.4 | | 263 | 43.9 | 43.6 | 5.5 | 14167 |
| 160 | | 254 | 40.0 | 38.5 | 10.8 | | 270 | 34.9 | 34.9 | -.1 | | 263 | 33.6 | 33.3 | 4.0 | | 275 | 36.7 | 36.6 | -3.3 | 13776 |
| 170 | | 247 | 39.0 | 35.8 | 15.4 | | 264 | 31.1 | 30.9 | 3.2 | | 254 | 27.9 | 26.8 | 7.9 | | 272 | 34.2 | 34.2 | -1.4 | 13404 |
| 180 | | 244 | 34.1 | 30.7 | 14.8 | | 251 | 29.5 | 27.9 | 9.7 | | 244 | 25.9 | 23.2 | 11.4 | | 267 | 31.7 | 31.7 | 1.7 | 13049 |
| 190 | | 247 | 33.3 | 30.7 | 13.0 | | 238 | 27.1 | 23.1 | 14.2 | | 241 | 24.6 | 21.4 | 12.1 | | 259 | 28.3 | 27.8 | 5.4 | 12709 |
| 200 | | 245 | 33.9 | 30.6 | 14.6 | | 231 | 23.5 | 18.3 | 14.8 | | 236 | 23.5 | 19.5 | 13.1 | | 247 | 22.8 | 21.0 | 8.7 | 12383 |
| 225 | | 234 | 32.4 | 26.2 | 19.1 | | 232 | 21.0 | 16.7 | 12.8 | | 226 | 23.1 | 16.7 | 15.9 | | 239 | 20.4 | 17.5 | 10.6 | 11617 |
| 250 | | 242 | 27.3 | 24.1 | 12.6 | | 226 | 21.4 | 15.5 | 14.8 | | 222 | 20.3 | 13.5 | 15.2 | | 228 | 20.5 | 15.3 | 13.7 | 10914 |
| 275 | | 249 | 22.3 | 20.8 | 8.1 | | 239 | 18.8 | 16.1 | 9.8 | | 227 | 18.6 | 13.7 | 12.6 | | 216 | 19.0 | 11.2 | 15.4 | 10262 |
| 300 | | 256 | 20.9 | 20.3 | 5.0 | | 255 | 18.7 | 18.1 | 4.9 | | 236 | 18.7 | 15.5 | 10.5 | | 220 | 19.4 | 12.5 | 14.8 | 9654 |
| 325 | | 265 | 19.4 | 19.4 | 1.7 | | 264 | 22.5 | 22.4 | 2.5 | | 250 | 17.7 | 16.6 | 6.0 | | 226 | 18.9 | 13.6 | 13.1 | 9084 |
| 350 | | 258 | 17.8 | 17.4 | 3.7 | | 260 | 15.7 | 15.5 | 2.6 | | 257 | 20.5 | 20.0 | 4.5 | | 241 | 18.5 | 16.2 | 8.9 | 8546 |
| 375 | | 271 | 12.6 | 12.6 | -.2 | | 258 | 9.3 | 9.1 | 1.9 | | 251 | 14.9 | 14.1 | 4.8 | | 250 | 21.3 | 19.9 | 7.4 | 8039 |
| 400 | | 277 | 12.4 | 12.3 | -1.5 | | 246 | 9.4 | 8.6 | 3.8 | | 243 | 12.6 | 11.2 | 5.6 | | 262 | 19.7 | 19.5 | 2.8 | 7557 |
| 425 | | 264 | 16.9 | 16.8 | 1.9 | | 249 | 11.3 | 10.6 | 4.1 | | 235 | 11.9 | 9.8 | 6.8 | | 261 | 10.1 | 10.0 | 1.5 | 7099 |
| 450 | | 255 | 17.6 | 16.9 | 4.6 | | 252 | 10.7 | 10.1 | 3.3 | | 241 | 12.4 | 10.9 | 6.0 | | 248 | 13.8 | 12.8 | 5.1 | 6662 |
| 475 | | 258 | 12.1 | 11.9 | 2.5 | | 242 | 10.5 | 9.2 | 4.9 | | 236 | 14.3 | 11.9 | 7.9 | | 245 | 16.1 | 14.7 | 6.7 | 6244 |
| 500 | | 264 | 7.2 | 7.2 | .8 | | 243 | 7.4 | 6.6 | 3.4 | | 231 | 12.4 | 9.6 | 7.8 | | 241 | 15.2 | 13.3 | 7.3 | 5844 |
| 525 | | 257 | 4.7 | 4.6 | 1.1 | | 243 | 6.0 | 5.3 | 2.7 | | 241 | 11.4 | 10.0 | 5.5 | | 241 | 12.4 | 10.8 | 6.0 | 5460 |
| 550 | | 255 | 6.8 | 6.5 | 1.8 | | 242 | 6.8 | 6.0 | 3.2 | | 248 | 8.6 | 8.0 | 3.2 | | 241 | 9.5 | 8.4 | 4.6 | 5091 |
| 575 | | 229 | 5.0 | 3.8 | 3.3 | | 229 | 5.7 | 4.3 | 3.7 | | 239 | 7.9 | 6.8 | 4.1 | | 212 | 5.8 | 3.0 | 5.0 | 4736 |
| 600 | | 160 | 6.4 | -2.1 | 6.0 | | 184 | 4.3 | .3 | 4.3 | | 189 | 5.9 | .9 | 5.9 | | 147 | 6.2 | -3.4 | 5.3 | 4393 |
| 625 | | 161 | 5.9 | -1.9 | 5.6 | | 143 | 7.2 | -4.3 | 5.7 | | 168 | 6.9 | -1.4 | 6.8 | | 133 | 6.9 | -5.0 | 4.7 | 4062 |
| 650 | | 163 | 4.4 | -1.3 | 4.3 | | 150 | 6.0 | -3.0 | 5.2 | | 184 | 6.5 | .5 | 6.4 | | 144 | 9.2 | -5.4 | 7.5 | 3742 |
| 675 | | 145 | 6.1 | -3.5 | 5.0 | | 173 | 4.1 | -.5 | 4.1 | | 174 | 6.2 | -.7 | 6.1 | | 155 | 11.6 | -4.8 | 10.5 | 3431 |
| 700 | | 135 | 8.5 | -6.0 | 6.0 | | 168 | 5.1 | -1.0 | 5.0 | | 166 | 7.5 | -1.8 | 7.3 | | 156 | 11.9 | -4.8 | 10.9 | 3130 |
| 725 | | 134 | 9.0 | -6.5 | 6.2 | | 163 | 5.9 | -1.7 | 5.6 | | 159 | 8.0 | -2.9 | 7.5 | | 148 | 9.4 | -5.0 | 7.9 | 2837 |
| 750 | | 125 | 8.6 | -7.1 | 4.9 | | 147 | 5.3 | -2.9 | 4.5 | | 142 | 7.0 | -4.3 | 5.5 | | 126 | 8.1 | -6.6 | 4.7 | 2553 |
| 775 | | 114 | 9.0 | -8.2 | 3.6 | | 126 | 6.0 | -4.8 | 3.5 | | 130 | 6.5 | -5.0 | 4.2 | | 112 | 8.7 | -8.1 | 3.3 | 2276 |
| 800 | | 105 | 8.6 | -8.3 | 2.2 | | 118 | 7.5 | -6.6 | 3.5 | | 125 | 7.7 | -6.3 | 4.4 | | 111 | 8.7 | -8.1 | 3.2 | 2007 |
| 825 | | 97 | 7.9 | -7.8 | .9 | | 116 | 8.0 | -7.2 | 3.5 | | 120 | 9.7 | -8.4 | 4.9 | | 110 | 9.0 | -8.5 | 3.1 | 1745 |
| 850 | | 92 | 7.6 | -7.6 | .3 | | 113 | 7.5 | -6.9 | 3.0 | | 118 | 10.0 | -8.8 | 4.7 | | 112 | 9.8 | -9.1 | 3.6 | 1490 |
| 875 | | 90 | 7.4 | -7.4 | .1 | | 98 | 7.2 | -7.1 | 1.0 | | 114 | 9.7 | -8.9 | 3.9 | | 114 | 11.0 | -10.0 | 4.5 | 1242 |
| 900 | | 88 | 6.2 | -6.2 | -.2 | | 83 | 7.8 | -7.7 | -.9 | | 106 | 10.1 | -9.7 | 2.7 | | 110 | 12.1 | -11.4 | 4.1 | 999 |
| 925 | | 77 | 5.4 | -5.3 | -1.2 | | 81 | 8.7 | -8.6 | -1.4 | | 98 | 11.6 | -11.4 | 1.6 | | 104 | 12.3 | -11.9 | 3.1 | 762 |
| 950 | | 62 | 6.4 | -5.7 | -3.0 | | 77 | 9.0 | -8.8 | -2.0 | | 93 | 12.3 | -12.3 | .7 | | 105 | 10.8 | -10.5 | 2.8 | 529 |
| 975 | | 58 | 8.1 | -6.9 | -4.2 | | 68 | 7.8 | -7.2 | -2.9 | | 88 | 10.9 | -10.9 | -.3 | | 103 | 11.2 | -10.9 | 2.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/26 1115 GMT | | | | 3/26 2350 GMT | | | | 3/27 552 GMT | | | | 3/27 1150 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 284 | 16.9 | 16.4 | -4.0 | 260 | 15.0 | 14.7 | 2.7 | 0 | 0.0 | 0.0 | 0.0 | 258 | 12.0 | 11.7 | 2.6 | 19517 |
| 70 | 260 | 16.7 | 16.4 | 2.9 | 272 | 15.4 | 15.4 | -.5 | 247 | 18.9 | 17.4 | 7.4 | 263 | 15.5 | 15.4 | 1.9 | 18589 |
| 80 | 244 | 19.0 | 17.0 | 8.4 | 258 | 21.8 | 21.3 | 4.5 | 259 | 19.3 | 19.0 | 3.6 | 274 | 22.7 | 22.7 | -1.7 | 17801 |
| 90 | 246 | 21.5 | 19.7 | 8.7 | 249 | 19.3 | 18.0 | 7.1 | 251 | 18.5 | 17.5 | 6.0 | 259 | 24.0 | 23.6 | 4.7 | 17121 |
| 100 | 228 | 25.9 | 19.1 | 17.4 | 240 | 25.8 | 22.2 | 13.0 | 236 | 16.5 | 13.7 | 9.2 | 230 | 16.3 | 12.5 | 10.4 | 16521 |
| 110 | 220 | 19.9 | 12.7 | 15.3 | 243 | 13.2 | 11.8 | 6.0 | 225 | 9.9 | 7.0 | 7.0 | 224 | 13.7 | 9.5 | 9.9 | 15978 |
| 120 | 256 | 11.6 | 11.2 | 2.8 | 282 | 11.0 | 10.8 | -2.2 | 268 | 13.2 | 13.2 | .5 | 230 | 6.0 | 4.6 | 3.9 | 15479 |
| 130 | 292 | 25.1 | 23.4 | -9.2 | 303 | 24.0 | 20.1 | -13.2 | 312 | 22.9 | 16.9 | -15.4 | 318 | 17.3 | 11.5 | -12.9 | 15014 |
| 140 | 280 | 38.2 | 37.6 | -6.9 | 303 | 33.6 | 28.1 | -18.5 | 308 | 34.3 | 26.9 | -21.3 | 313 | 30.7 | 22.6 | -20.8 | 14578 |
| 150 | 271 | 41.8 | 41.8 | -1.0 | 293 | 37.7 | 34.7 | -14.6 | 293 | 35.8 | 33.0 | -13.9 | 308 | 31.9 | 25.2 | -19.6 | 14167 |
| 160 | 272 | 41.9 | 41.9 | -1.4 | 288 | 39.4 | 37.4 | -12.3 | 293 | 39.1 | 36.1 | -15.0 | 301 | 31.8 | 27.2 | -16.5 | 13776 |
| 170 | 272 | 36.8 | 36.8 | -1.0 | 284 | 38.5 | 37.3 | -9.6 | 291 | 42.5 | 39.8 | -15.1 | 296 | 36.3 | 32.6 | -15.9 | 13404 |
| 180 | 263 | 28.8 | 28.6 | 3.4 | 281 | 35.6 | 34.9 | -7.1 | 289 | 40.8 | 38.6 | -13.2 | 298 | 41.7 | 36.9 | -19.3 | 13049 |
| 190 | 251 | 25.3 | 23.9 | 8.2 | 281 | 34.7 | 34.2 | -6.4 | 291 | 37.3 | 34.8 | -13.2 | 297 | 41.7 | 37.3 | -18.8 | 12709 |
| 200 | 246 | 24.5 | 22.4 | 9.8 | 277 | 34.8 | 34.6 | -4.1 | 286 | 35.6 | 34.3 | -9.6 | 292 | 38.4 | 35.5 | -14.5 | 12383 |
| 225 | 247 | 17.7 | 16.3 | 7.0 | 266 | 25.6 | 25.6 | 1.7 | 281 | 24.5 | 24.0 | -4.7 | 285 | 31.6 | 30.6 | -8.0 | 11617 |
| 250 | 233 | 20.1 | 16.0 | 12.2 | 250 | 19.8 | 18.6 | 6.7 | 268 | 15.8 | 15.8 | .6 | 278 | 20.0 | 19.8 | -2.7 | 10914 |
| 275 | 233 | 15.9 | 12.7 | 9.6 | 243 | 20.0 | 17.7 | 9.2 | 258 | 17.0 | 16.6 | 3.5 | 269 | 14.9 | 14.9 | .3 | 10262 |
| 300 | 221 | 15.7 | 10.2 | 11.9 | 235 | 16.4 | 13.5 | 9.4 | 243 | 13.6 | 12.2 | 6.1 | 251 | 13.9 | 13.1 | 4.6 | 9654 |
| 325 | 224 | 13.9 | 9.7 | 9.9 | 231 | 16.4 | 12.7 | 10.4 | 234 | 14.5 | 11.8 | 8.4 | 246 | 13.3 | 12.1 | 5.5 | 9084 |
| 350 | 236 | 15.5 | 12.8 | 8.8 | 239 | 15.7 | 13.4 | 8.2 | 226 | 13.9 | 10.0 | 9.6 | 244 | 13.2 | 12.0 | 5.7 | 8546 |
| 375 | 246 | 17.8 | 16.2 | 7.3 | 239 | 14.9 | 12.8 | 7.6 | 229 | 13.1 | 9.8 | 8.6 | 237 | 13.5 | 11.3 | 7.4 | 8039 |
| 400 | 257 | 20.2 | 19.7 | 4.4 | 236 | 15.6 | 12.9 | 8.7 | 241 | 14.8 | 12.9 | 7.2 | 228 | 15.1 | 11.3 | 10.1 | 7557 |
| 425 | 253 | 13.1 | 12.5 | 3.8 | 236 | 14.8 | 12.4 | 8.2 | 235 | 14.9 | 12.3 | 8.5 | 233 | 14.9 | 11.9 | 9.0 | 7099 |
| 450 | 240 | 12.2 | 10.6 | 6.0 | 243 | 18.1 | 16.1 | 8.3 | 236 | 17.5 | 14.4 | 9.9 | 243 | 13.3 | 11.9 | 6.1 | 6662 |
| 475 | 244 | 12.8 | 11.5 | 5.5 | 241 | 11.8 | 10.4 | 5.7 | 231 | 12.8 | 9.9 | 8.1 | 254 | 14.6 | 14.1 | 3.9 | 6244 |
| 500 | 242 | 9.7 | 8.6 | 4.5 | 250 | 9.9 | 9.4 | 3.3 | 246 | 6.7 | 6.1 | 2.8 | 245 | 11.1 | 10.0 | 4.7 | 5844 |
| 525 | 232 | 16.8 | 13.3 | 10.2 | 249 | 10.1 | 9.4 | 3.7 | 251 | 8.1 | 7.7 | 2.6 | 231 | 5.4 | 4.2 | 3.4 | 5460 |
| 550 | 231 | 9.0 | 7.0 | 5.6 | 240 | 12.3 | 10.6 | 6.2 | 239 | 9.7 | 8.3 | 4.9 | 239 | 4.4 | 3.7 | 2.2 | 5091 |
| 575 | 239 | 6.2 | 5.3 | 3.2 | 245 | 10.1 | 9.2 | 4.2 | 243 | 9.0 | 8.0 | 4.1 | 252 | 5.5 | 5.3 | 1.7 | 4736 |
| 600 | 158 | 4.2 | -1.6 | 3.9 | 250 | 5.8 | 5.4 | 2.0 | 250 | 6.4 | 6.0 | 2.2 | 312 | .9 | .7 | -.6 | 4393 |
| 625 | 130 | 9.1 | -7.0 | 5.9 | 180 | 2.8 | .0 | 2.8 | 194 | 2.5 | .6 | 2.5 | 79 | 2.8 | -2.7 | -.5 | 4062 |
| 650 | 140 | 9.8 | -6.3 | 7.6 | 140 | 8.4 | -5.4 | 6.4 | 123 | 6.8 | -5.7 | 3.8 | 103 | 7.0 | -6.9 | 1.6 | 3742 |
| 675 | 155 | 10.5 | -4.5 | 9.5 | 136 | 11.6 | -8.1 | 8.3 | 124 | 11.5 | -9.5 | 6.5 | 106 | 12.4 | -11.9 | 3.5 | 3431 |
| 700 | 157 | 9.8 | -3.9 | 9.0 | 129 | 10.8 | -8.3 | 6.8 | 122 | 11.3 | -9.7 | 5.9 | 105 | 13.6 | -13.1 | 3.4 | 3130 |
| 725 | 144 | 8.2 | -4.8 | 6.7 | 121 | 9.4 | -8.0 | 4.9 | 110 | 8.8 | -8.3 | 3.1 | 99 | 13.5 | -13.3 | 2.0 | 2837 |
| 750 | 124 | 8.6 | -7.2 | 4.8 | 114 | 9.0 | -8.2 | 3.7 | 113 | 8.6 | -7.9 | 3.3 | 95 | 15.3 | -15.3 | 1.5 | 2553 |
| 775 | 114 | 9.4 | -8.5 | 3.9 | 111 | 9.1 | -8.5 | 3.2 | 116 | 10.0 | -9.0 | 4.4 | 102 | 14.6 | -14.3 | 2.9 | 2276 |
| 800 | 110 | 9.4 | -8.8 | 3.3 | 109 | 10.2 | -9.7 | 3.4 | 117 | 9.1 | -8.1 | 4.2 | 103 | 14.1 | -13.8 | 3.2 | 2007 |
| 825 | 107 | 9.2 | -8.8 | 2.7 | 109 | 12.0 | -11.4 | 3.9 | 119 | 8.8 | -7.7 | 4.3 | 99 | 13.6 | -13.5 | 2.1 | 1745 |
| 850 | 105 | 9.1 | -8.7 | 2.4 | 110 | 11.6 | -10.9 | 4.0 | 116 | 10.7 | -9.6 | 4.6 | 105 | 13.0 | -12.6 | 3.3 | 1490 |
| 875 | 103 | 9.8 | -9.6 | 2.2 | 109 | 11.1 | -10.5 | 3.6 | 108 | 12.4 | -11.8 | 3.9 | 105 | 12.9 | -12.5 | 3.2 | 1242 |
| 900 | 100 | 11.3 | -11.2 | 1.9 | 108 | 12.0 | -11.4 | 3.7 | 102 | 13.1 | -12.8 | 2.7 | 98 | 12.8 | -12.7 | 1.7 | 999 |
| 925 | 97 | 12.3 | -12.2 | 1.5 | 109 | 12.0 | -11.3 | 3.9 | 99 | 12.7 | -12.5 | 2.1 | 95 | 11.0 | -11.0 | .9 | 762 |
| 950 | 96 | 11.8 | -11.7 | 1.1 | 110 | 11.0 | -10.3 | 3.8 | 95 | 12.9 | -12.9 | 1.1 | 95 | 8.4 | -8.4 | .7 | 529 |
| 975 | 94 | 10.5 | -10.4 | .8 | 110 | 10.3 | -9.7 | 3.6 | 93 | 12.0 | -12.0 | .6 | 93 | 7.5 | -7.5 | .3 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 3/28 135 GMT I | DD | FF | U | V | 3/28 6 8 GMT I | DD | FF | U | V | 3/28 19 8 GMT I | DD | FF | U | V | 3/28 2347 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 11.2 | 11.1 | 1.6 | | 277 | 15.1 | 14.9 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 11.8 | 11.1 | -4.1 | | 315 | 16.4 | 11.6 | -11.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 11.2 | 11.2 | .3 | | 297 | 17.1 | 15.3 | -7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 254 | 21.0 | 20.1 | 6.0 | | 269 | 18.6 | 18.6 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 19.4 | 18.4 | 6.3 | | 276 | 11.4 | 11.3 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 16.0 | 15.4 | -4.4 | | 324 | 12.4 | 7.2 | -10.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | | 310 | 11.9 | 9.1 | -7.7 | | 327 | 17.4 | 9.4 | -14.6 | | 336 | 18.4 | 7.3 | -16.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 332 | 18.6 | 8.8 | -16.4 | | 328 | 24.9 | 13.3 | -21.0 | | 332 | 24.0 | 11.3 | -21.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 320 | 24.4 | 15.7 | -18.6 | | 324 | 27.9 | 16.4 | -22.5 | | 323 | 31.4 | 19.0 | -25.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 310 | 27.6 | 21.3 | -17.6 | | 320 | 28.1 | 18.2 | -21.4 | | 318 | 36.1 | 24.3 | -26.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 305 | 31.3 | 25.7 | -17.8 | | 316 | 30.1 | 21.0 | -21.6 | | 316 | 37.4 | 25.7 | -27.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 302 | 29.1 | 24.7 | -15.4 | | 312 | 35.7 | 26.5 | -24.0 | | 314 | 38.9 | 27.9 | -27.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 299 | 34.5 | 30.1 | -16.9 | | 309 | 37.9 | 29.3 | -24.0 | | 312 | 38.7 | 28.7 | -25.9 | | 321 | 31.2 | 19.8 | -24.2 | 12709 |
| 200 | | 296 | 41.5 | 37.3 | -18.1 | | 307 | 37.3 | 29.7 | -22.6 | | 310 | 37.2 | 28.5 | -23.9 | | 322 | 28.8 | 17.9 | -22.6 | 12383 |
| 225 | | 301 | 35.4 | 30.5 | -18.0 | | 305 | 39.2 | 32.1 | -22.6 | | 307 | 31.8 | 25.4 | -19.2 | | 316 | 23.9 | 16.7 | -17.1 | 11617 |
| 250 | | 299 | 32.0 | 27.9 | -15.7 | | 308 | 30.5 | 24.0 | -18.8 | | 305 | 28.9 | 23.8 | -16.4 | | 312 | 19.8 | 14.7 | -13.2 | 10914 |
| 275 | | 293 | 26.0 | 23.9 | -10.3 | | 297 | 28.1 | 25.0 | -12.9 | | 298 | 27.5 | 24.2 | -12.9 | | 309 | 19.5 | 15.2 | -12.2 | 10262 |
| 300 | | 287 | 19.4 | 18.5 | -5.7 | | 292 | 20.6 | 19.1 | -7.7 | | 296 | 29.5 | 26.6 | -12.9 | | 307 | 21.9 | 17.6 | -13.1 | 9654 |
| 325 | | 287 | 13.6 | 13.0 | -4.0 | | 286 | 17.7 | 17.0 | -5.0 | | 301 | 18.6 | 15.9 | -9.7 | | 327 | 20.8 | 11.5 | -17.4 | 9084 |
| 350 | | 274 | 8.7 | 8.7 | -.7 | | 284 | 11.0 | 10.7 | -2.7 | | 303 | 11.3 | 9.5 | -6.1 | | 311 | 16.3 | 12.2 | -10.8 | 8546 |
| 375 | | 262 | 8.5 | 8.4 | 1.2 | | 269 | 9.6 | 9.6 | .1 | | 298 | 14.9 | 13.2 | -6.9 | | 2 | 10.3 | -.3 | -10.3 | 8039 |
| 400 | | 249 | 6.8 | 6.4 | 2.4 | | 265 | 9.9 | 9.9 | .9 | | 300 | 14.6 | 12.7 | -7.2 | | 7 | 7.3 | -.9 | -7.2 | 7557 |
| 425 | | 252 | 5.7 | 5.4 | 1.7 | | 258 | 6.9 | 6.7 | 1.4 | | 296 | 11.3 | 10.1 | -5.0 | | 8 | 5.6 | -.8 | -5.6 | 7099 |
| 450 | | 280 | 10.2 | 10.1 | -1.7 | | 266 | 6.6 | 6.6 | .5 | | 295 | 10.1 | 9.1 | -4.2 | | 7 | 5.1 | -.7 | -5.1 | 6662 |
| 475 | | 287 | 9.4 | 9.0 | -2.8 | | 284 | 7.3 | 7.1 | -1.8 | | 305 | 7.5 | 6.2 | -4.3 | | 38 | 3.1 | -1.9 | -2.5 | 6244 |
| 500 | | 293 | 7.9 | 7.3 | -3.0 | | 307 | 6.7 | 5.3 | -4.0 | | 316 | 5.4 | 3.8 | -3.9 | | 109 | 3.5 | -3.3 | 1.1 | 5844 |
| 525 | | 292 | 7.0 | 6.5 | -2.6 | | 308 | 8.1 | 6.4 | -5.0 | | 352 | 4.4 | .6 | -4.4 | | 133 | 5.3 | -3.9 | 3.7 | 5460 |
| 550 | | 327 | 4.7 | 2.5 | -3.9 | | 317 | 7.3 | 5.0 | -5.4 | | 5 | 5.3 | -.4 | -5.3 | | 141 | 5.6 | -3.5 | 4.3 | 5091 |
| 575 | | 325 | 6.3 | 3.6 | -5.1 | | 359 | 5.8 | .1 | -5.8 | | 33 | 7.2 | -3.9 | -6.1 | | 141 | 3.8 | -2.4 | 3.0 | 4736 |
| 600 | | 343 | 6.9 | 2.0 | -6.6 | | 23 | 5.9 | -2.3 | -5.5 | | 54 | 8.6 | -7.0 | -5.1 | | 123 | 3.1 | -2.6 | 1.7 | 4393 |
| 625 | | 10 | 4.7 | -.8 | -4.7 | | 60 | 5.9 | -5.1 | -3.0 | | 63 | 10.3 | -9.2 | -4.6 | | 115 | 3.2 | -2.9 | 1.4 | 4062 |
| 650 | | 82 | 4.5 | -4.5 | -.6 | | 89 | 9.2 | -9.2 | -.2 | | 71 | 10.6 | -10.0 | -3.4 | | 112 | 2.5 | -2.3 | .9 | 3742 |
| 675 | | 96 | 8.1 | -8.0 | .8 | | 99 | 8.7 | -8.6 | 1.4 | | 78 | 9.0 | -8.9 | -1.8 | | 94 | 6.2 | -6.2 | .4 | 3431 |
| 700 | | 93 | 9.3 | -9.3 | .5 | | 99 | 8.3 | -8.2 | 1.3 | | 83 | 8.7 | -8.6 | -1.1 | | 89 | 11.1 | -11.1 | -.1 | 3130 |
| 725 | | 97 | 10.5 | -10.4 | 1.4 | | 96 | 9.9 | -9.9 | 1.0 | | 81 | 7.5 | -7.4 | -1.2 | | 92 | 12.5 | -12.4 | .4 | 2837 |
| 750 | | 100 | 11.3 | -11.2 | 2.0 | | 99 | 10.7 | -10.6 | 1.6 | | 76 | 6.3 | -6.1 | -1.5 | | 96 | 14.3 | -14.2 | 1.6 | 2553 |
| 775 | | 105 | 10.7 | -10.4 | 2.7 | | 105 | 9.7 | -9.4 | 2.5 | | 71 | 6.7 | -6.4 | -2.1 | | 96 | 13.7 | -13.6 | 1.5 | 2276 |
| 800 | | 110 | 11.3 | -10.7 | 3.9 | | 107 | 8.7 | -8.4 | 2.6 | | 69 | 7.9 | -7.4 | -2.8 | | 97 | 10.9 | -10.9 | 1.3 | 2007 |
| 825 | | 108 | 12.0 | -11.4 | 3.6 | | 103 | 8.5 | -8.3 | 1.9 | | 74 | 7.8 | -7.5 | -2.2 | | 94 | 10.1 | -10.1 | .7 | 1745 |
| 850 | | 99 | 11.3 | -11.2 | 1.8 | | 97 | 8.4 | -8.4 | 1.1 | | 84 | 6.8 | -6.8 | -.8 | | 92 | 9.6 | -9.6 | .3 | 1490 |
| 875 | | 91 | 10.2 | -10.2 | .1 | | 93 | 8.2 | -8.2 | .4 | | 93 | 6.1 | -6.1 | .3 | | 89 | 9.3 | -9.3 | -.1 | 1242 |
| 900 | | 88 | 9.6 | -9.6 | -.4 | | 90 | 8.4 | -8.4 | -.0 | | 98 | 5.8 | -5.8 | .8 | | 84 | 9.0 | -8.9 | -1.0 | 999 |
| 925 | | 88 | 8.9 | -8.9 | -.3 | | 90 | 8.2 | -8.2 | -.0 | | 97 | 5.3 | -5.2 | .7 | | 77 | 8.2 | -8.0 | -1.8 | 762 |
| 950 | | 88 | 7.6 | -7.6 | -.3 | | 86 | 7.2 | -7.1 | -.5 | | 85 | 5.0 | -5.0 | -.4 | | 70 | 7.3 | -6.8 | -2.4 | 529 |
| 975 | | 86 | 6.1 | -6.1 | -.4 | | 63 | 6.6 | -5.9 | -3.0 | | 71 | 6.5 | -6.1 | -2.1 | | 73 | 6.1 | -5.9 | -1.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/29 6 0 GMT | | | | 3/29 1121 GMT | | | | 3/29 1438 GMT | | | | 3/29 18 8 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 316 | 40.1 | 28.0 | -28.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 28.7 | 17.3 | -23.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 317 | 32.0 | 21.9 | -23.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 321 | 30.2 | 18.9 | -23.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 317 | 32.6 | 22.1 | -23.9 | | 316 | 30.7 | 21.5 | -22.0 | | 319 | 27.6 | 18.1 | -20.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 312 | 36.1 | 26.9 | -24.1 | | 321 | 32.5 | 20.7 | -25.1 | | 319 | 25.9 | 16.9 | -19.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 303 | 29.0 | 24.4 | -15.8 | | 312 | 31.7 | 23.7 | -21.0 | | 302 | 29.0 | 24.7 | -15.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 287 | 24.5 | 23.4 | -7.2 | | 307 | 29.7 | 23.8 | -17.8 | | 299 | 25.9 | 22.6 | -12.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | | 280 | 20.9 | 20.6 | -3.5 | | 293 | 27.0 | 24.7 | -10.7 | | 288 | 20.6 | 19.6 | -6.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | | 299 | 16.6 | 14.5 | -8.0 | | 291 | 20.5 | 19.1 | -7.4 | | 297 | 18.6 | 16.6 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | | 312 | 13.7 | 10.3 | -9.1 | | 295 | 18.3 | 16.6 | -7.8 | | 286 | 12.6 | 12.1 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | | 308 | 17.9 | 14.2 | -10.9 | | 305 | 20.4 | 16.7 | -11.8 | | 304 | 17.9 | 14.8 | -10.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | | 313 | 13.9 | 10.1 | -9.5 | | 307 | 18.4 | 14.7 | -11.1 | | 296 | 16.0 | 14.4 | -7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | | 308 | 17.3 | 13.6 | -10.7 | | 300 | 18.0 | 15.6 | -9.0 | | 301 | 13.3 | 11.4 | -6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | | 320 | 13.1 | 8.4 | -10.0 | | 311 | 18.2 | 13.8 | -11.9 | | 334 | 6.2 | 2.7 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | | 354 | 5.6 | .6 | -5.6 | | 309 | 10.0 | 7.7 | -6.3 | | 61 | 4.5 | -3.9 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | | 37 | 3.7 | -2.3 | -3.0 | | 230 | 2.2 | 1.7 | 1.4 | | 83 | 3.5 | -3.5 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | | 28 | 5.6 | -2.6 | -4.9 | | 147 | 4.5 | -2.4 | 3.8 | | 132 | 5.9 | -4.4 | 3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | | 343 | 7.8 | 2.2 | -7.5 | | 106 | 9.4 | -9.0 | 2.6 | | 109 | 5.3 | -5.0 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | | 29 | 8.9 | -4.3 | -7.7 | | 101 | 11.9 | -11.7 | 2.2 | | 89 | 5.2 | -5.2 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | | 48 | 11.3 | -8.5 | -7.5 | | 106 | 11.1 | -10.7 | 3.1 | | 94 | 6.6 | -6.5 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | | 53 | 13.8 | -11.0 | -8.4 | | 109 | 10.7 | -10.2 | 3.4 | | 103 | 7.5 | -7.3 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | | 67 | 15.1 | -13.9 | -5.9 | | 104 | 9.4 | -9.2 | 2.2 | | 118 | 5.2 | -4.6 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | | 75 | 15.1 | -14.6 | -3.9 | | 104 | 8.0 | -7.8 | 2.0 | | 133 | 3.5 | -2.6 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | | 81 | 13.4 | -13.2 | -2.2 | | 113 | 7.5 | -6.9 | 2.9 | | 130 | 2.7 | -2.1 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | | 95 | 12.2 | -12.2 | 1.1 | | 112 | 6.9 | -6.4 | 2.6 | | 99 | 4.0 | -3.9 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | | 109 | 11.9 | -11.3 | 3.9 | | 103 | 6.6 | -6.4 | 1.5 | | 88 | 8.6 | -8.6 | -.2 | | 90 | 13.6 | -13.6 | -.0 | 2837 |
| 750 | | 114 | 11.9 | -10.9 | 4.7 | | 100 | 6.0 | -6.0 | 1.0 | | 86 | 11.4 | -11.3 | -.7 | | 87 | 12.3 | -12.2 | -.6 | 2553 |
| 775 | | 106 | 11.7 | -11.2 | 3.3 | | 106 | 5.8 | -5.6 | 1.6 | | 80 | 10.7 | -10.5 | -1.9 | | 91 | 10.7 | -10.7 | .3 | 2276 |
| 800 | | 98 | 10.9 | -10.8 | 1.5 | | 99 | 6.7 | -6.6 | 1.0 | | 73 | 10.7 | -10.3 | -3.2 | | 112 | 12.0 | -11.1 | 4.5 | 2007 |
| 825 | | 99 | 9.8 | -9.7 | 1.5 | | 85 | 8.4 | -8.4 | -.8 | | 71 | 10.3 | -9.7 | -3.4 | | 118 | 13.8 | -12.1 | 6.6 | 1745 |
| 850 | | 101 | 9.1 | -9.0 | 1.8 | | 78 | 9.5 | -9.3 | -2.0 | | 75 | 9.7 | -9.3 | -2.5 | | 115 | 13.7 | -12.4 | 5.9 | 1490 |
| 875 | | 97 | 8.5 | -8.4 | 1.0 | | 74 | 8.9 | -8.6 | -2.4 | | 81 | 10.8 | -10.6 | -1.7 | | 112 | 12.9 | -11.9 | 4.9 | 1242 |
| 900 | | 91 | 7.7 | -7.7 | .1 | | 70 | 8.7 | -8.1 | -3.0 | | 81 | 11.4 | -11.3 | -1.8 | | 113 | 12.1 | -11.1 | 4.8 | 999 |
| 925 | | 92 | 7.1 | -7.1 | .2 | | 67 | 10.1 | -9.3 | -4.0 | | 77 | 11.0 | -10.7 | -2.4 | | 116 | 11.4 | -10.3 | 5.0 | 762 |
| 950 | | 98 | 7.0 | -6.9 | 1.0 | | 64 | 11.1 | -10.0 | -4.8 | | 77 | 10.4 | -10.2 | -2.3 | | 118 | 10.7 | -9.4 | 5.1 | 529 |
| 975 | | 96 | 6.7 | -6.7 | .8 | | 59 | 9.9 | -8.4 | -5.1 | | 82 | 10.2 | -10.1 | -1.5 | | 121 | 10.1 | -8.6 | 5.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/29 2046 GMT | | | | 3/30 320 GMT | | | | 3/30 6 3 GMT | | | | 3/30 910 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 290 | 10.0 | 9.4 | -3.5 | | 277 | 12.0 | 11.9 | -1.5 | | 328 | 11.3 | 5.9 | -9.6 | 2 | 286 | 5.0 | 4.8 | -1.3 | 18589 |
| 80 | | 268 | 13.4 | 13.4 | .5 | | 280 | 14.6 | 14.4 | -2.6 | | 276 | 14.7 | 14.6 | -1.4 | | 292 | 12.7 | 11.8 | -4.7 | 17801 |
| 90 | | 288 | 14.3 | 13.6 | -4.4 | | 242 | 12.5 | 11.0 | 5.9 | | 215 | 8.7 | 5.0 | 7.1 | | 232 | 8.9 | 7.0 | 5.5 | 17121 |
| 100 | | 302 | 21.0 | 17.8 | -11.1 | | 293 | 21.8 | 20.1 | -8.4 | | 271 | 9.6 | 9.6 | -.1 | | 288 | 19.2 | 18.2 | -6.0 | 16521 |
| 110 | | 282 | 21.8 | 21.3 | -4.5 | | 297 | 23.9 | 21.2 | -11.0 | | 291 | 24.4 | 22.7 | -8.8 | 3 | 299 | 23.6 | 20.7 | -11.3 | 15978 |
| 120 | | 288 | 15.7 | 14.9 | -5.0 | | 308 | 27.5 | 21.7 | -16.9 | | 307 | 25.1 | 20.0 | -15.1 | 2 | 309 | 22.8 | 17.7 | -14.4 | 15479 |
| 130 | | 307 | 19.6 | 15.6 | -11.8 | 3 | 313 | 36.1 | 26.5 | -24.6 | | 319 | 36.1 | 23.5 | -27.4 | | 319 | 32.5 | 21.2 | -24.7 | 15014 |
| 140 | | 318 | 31.2 | 20.7 | -23.3 | 0 | 312 | 42.1 | 31.0 | -28.4 | | 319 | 43.4 | 28.3 | -32.9 | | 317 | 47.4 | 32.1 | -34.9 | 14578 |
| 150 | | 321 | 43.3 | 27.5 | -33.5 | 0 | 312 | 44.9 | 33.4 | -30.0 | | 314 | 47.1 | 33.8 | -32.8 | | 312 | 50.1 | 36.9 | -33.8 | 14167 |
| 160 | | 316 | 41.9 | 29.0 | -30.3 | 2 | 311 | 44.1 | 33.1 | -29.1 | | 309 | 48.2 | 37.6 | -30.1 | | 309 | 49.2 | 38.4 | -30.8 | 13776 |
| 170 | | 310 | 40.0 | 30.6 | -25.7 | | 311 | 40.5 | 30.7 | -26.5 | | 306 | 48.7 | 39.3 | -28.6 | | 306 | 47.5 | 38.5 | -27.7 | 13404 |
| 180 | | 309 | 38.3 | 29.6 | -24.2 | | 310 | 43.4 | 33.1 | -28.1 | | 306 | 45.8 | 37.2 | -26.7 | | 304 | 43.1 | 35.5 | -24.4 | 13049 |
| 190 | | 314 | 37.2 | 26.9 | -25.7 | | 308 | 44.3 | 35.1 | -27.1 | | 300 | 45.0 | 38.8 | -22.8 | | 303 | 42.8 | 36.1 | -23.0 | 12709 |
| 200 | | 313 | 35.8 | 26.0 | -24.5 | | 302 | 38.8 | 32.8 | -20.8 | | 296 | 43.1 | 38.6 | -19.2 | | 302 | 37.9 | 32.3 | -19.9 | 12383 |
| 225 | | 302 | 32.7 | 27.7 | -17.4 | | 300 | 38.3 | 33.1 | -19.2 | | 301 | 37.7 | 32.4 | -19.2 | | | | | | 11617 |
| 250 | | 295 | 32.8 | 29.7 | -13.8 | | 301 | 37.2 | 31.8 | -19.3 | | 295 | 36.3 | 32.9 | -15.5 | | | | | | 10914 |
| 275 | | 292 | 29.4 | 27.2 | -11.1 | | 292 | 34.4 | 32.0 | -12.8 | | 282 | 31.7 | 31.0 | -6.4 | | | | | | 10262 |
| 300 | | 288 | 25.1 | 23.9 | -7.6 | | 290 | 30.0 | 28.1 | -10.3 | | 287 | 29.7 | 28.5 | -8.5 | | 295 | 24.6 | 22.3 | -10.4 | 9654 |
| 325 | | 282 | 21.0 | 20.5 | -4.3 | | 289 | 23.8 | 22.4 | -7.9 | | 283 | 22.1 | 21.5 | -5.1 | | 278 | 22.7 | 22.5 | -3.4 | 9084 |
| 350 | | 281 | 20.7 | 20.3 | -3.9 | | 289 | 16.9 | 16.0 | -5.5 | | 293 | 21.0 | 19.3 | -8.2 | | 281 | 19.0 | 18.6 | -3.5 | 8546 |
| 375 | | 297 | 22.8 | 20.3 | -10.4 | | 312 | 17.1 | 12.7 | -11.5 | | 309 | 19.6 | 15.2 | -12.4 | | 283 | 16.1 | 15.7 | -3.6 | 8039 |
| 400 | | 309 | 20.6 | 16.1 | -12.9 | | 325 | 13.1 | 7.6 | -10.7 | | 318 | 11.8 | 7.9 | -8.8 | | 291 | 10.4 | 9.7 | -3.8 | 7557 |
| 425 | | 302 | 19.6 | 16.6 | -10.5 | | 348 | 6.0 | 1.2 | -5.9 | | 324 | 7.7 | 4.6 | -6.2 | | 357 | 6.0 | .3 | -6.0 | 7099 |
| 450 | | 324 | 10.2 | 5.9 | -8.3 | | 70 | 8.7 | -8.2 | -2.9 | | 338 | 5.8 | 2.2 | -5.4 | | 46 | 2.7 | -2.0 | -1.9 | 6662 |
| 475 | | 56 | 10.1 | -8.4 | -5.6 | | 94 | 10.6 | -10.6 | .8 | | 117 | 2.6 | -2.4 | 1.2 | | 140 | 5.9 | -3.8 | 4.5 | 6244 |
| 500 | | 74 | 16.4 | -15.8 | -4.4 | | 126 | 9.8 | -7.9 | 5.8 | | 150 | 6.7 | -3.4 | 5.8 | | 148 | 10.5 | -5.5 | 8.9 | 5844 |
| 525 | | 85 | 15.2 | -15.1 | -1.4 | | 133 | 10.5 | -7.7 | 7.2 | | 144 | 9.7 | -5.7 | 7.8 | | 172 | 8.9 | -1.2 | 8.8 | 5460 |
| 550 | | 94 | 18.8 | -18.8 | 1.2 | | 113 | 8.0 | -7.3 | 3.2 | | 148 | 6.6 | -3.5 | 5.6 | | 161 | 5.9 | -1.9 | 5.6 | 5091 |
| 575 | | 93 | 19.9 | -19.8 | .9 | | 100 | 9.0 | -8.9 | 1.5 | | 139 | 9.2 | -6.0 | 6.9 | | 111 | 7.8 | -7.3 | 2.8 | 4736 |
| 600 | | 93 | 18.5 | -18.5 | 1.1 | | 107 | 6.2 | -6.0 | 1.8 | | 138 | 10.0 | -6.7 | 7.4 | | 114 | 6.5 | -5.9 | 2.7 | 4393 |
| 625 | | 97 | 16.0 | -15.9 | 2.0 | | 121 | 2.6 | -2.2 | 1.3 | | 132 | 6.3 | -4.7 | 4.2 | | 121 | 7.6 | -6.5 | 4.0 | 4062 |
| 650 | | 100 | 15.7 | -15.4 | 2.6 | | 100 | 3.6 | -3.6 | .6 | | 103 | 7.5 | -7.3 | 1.6 | | 117 | 9.6 | -8.5 | 4.4 | 3742 |
| 675 | | 100 | 15.5 | -15.3 | 2.7 | | 92 | 5.7 | -5.7 | .2 | | 99 | 7.7 | -7.7 | 1.2 | | 102 | 11.4 | -11.2 | 2.3 | 3431 |
| 700 | | 102 | 14.6 | -14.2 | 3.1 | | 95 | 6.0 | -6.0 | .5 | | 96 | 8.2 | -8.2 | .9 | | 85 | 15.2 | -15.2 | -1.4 | 3130 |
| 725 | | 103 | 12.4 | -12.1 | 2.8 | | 83 | 7.5 | -7.5 | -.9 | | 94 | 10.3 | -10.3 | .7 | | 77 | 18.1 | -17.6 | -4.0 | 2837 |
| 750 | | 113 | 12.8 | -11.8 | 5.0 | | 79 | 9.3 | -9.1 | -1.8 | | 95 | 12.5 | -12.4 | 1.0 | | 76 | 16.2 | -15.8 | -3.8 | 2553 |
| 775 | | 122 | 13.4 | -11.4 | 7.1 | | 79 | 10.0 | -9.8 | -1.9 | | 97 | 10.6 | -10.5 | 1.2 | | 77 | 12.5 | -12.2 | -2.8 | 2276 |
| 800 | | 120 | 12.5 | -10.8 | 6.3 | | 83 | 11.5 | -11.4 | -1.4 | | 91 | 10.2 | -10.2 | .2 | | 80 | 10.1 | -10.0 | -1.7 | 2007 |
| 825 | | 119 | 11.8 | -10.3 | 5.8 | | 92 | 12.3 | -12.3 | .5 | | 86 | 11.2 | -11.2 | -.7 | | 84 | 9.9 | -9.8 | -1.0 | 1745 |
| 850 | | 120 | 11.8 | -10.2 | 5.9 | | 104 | 11.8 | -11.4 | 2.9 | | 83 | 9.9 | -9.8 | -1.3 | | 91 | 10.6 | -10.6 | .2 | 1490 |
| 875 | | 117 | 11.6 | -10.3 | 5.3 | | 110 | 11.1 | -10.4 | 3.8 | | 83 | 9.2 | -9.1 | -1.1 | | 103 | 11.6 | -11.3 | 2.7 | 1242 |
| 900 | | 111 | 11.4 | -10.6 | 4.1 | | 110 | 9.8 | -9.3 | 3.3 | | 93 | 9.5 | -9.5 | .5 | | 110 | 12.3 | -11.5 | 4.1 | 999 |
| 925 | | 110 | 11.2 | -10.5 | 3.9 | | 108 | 8.5 | -8.1 | 2.7 | | 103 | 9.7 | -9.5 | 2.1 | | 109 | 11.3 | -10.7 | 3.7 | 762 |
| 950 | | 113 | 10.1 | -9.3 | 4.0 | | 108 | 7.7 | -7.3 | 2.4 | | 104 | 9.4 | -9.2 | 2.2 | | 106 | 9.0 | -8.7 | 2.5 | 529 |
| 975 | | 108 | 8.3 | -7.9 | 2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 6.7 | -6.6 | 1.5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 3/30 12 0 GMT | | | | 3/30 1831 GMT | | | | 3/31 0 8 GMT | | | | 3/31 2331 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 272 | 13.0 | 13.0 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 282 | 12.7 | 12.4 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 247 | 4.6 | 4.3 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 298 | 15.9 | 14.0 | -7.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 15.6 | 15.6 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 226 | 10.0 | 7.2 | 7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 0 | 296 | 17.8 | 16.0 | -7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 0 | 312 | 33.0 | 24.6 | -22.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 0 | 315 | 37.7 | 26.5 | -26.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 2 | 317 | 37.1 | 25.2 | -27.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 318 | 39.6 | 26.7 | -29.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 318 | 35.7 | 23.9 | -26.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 317 | 43.5 | 29.8 | -31.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 37.6 | 26.2 | -26.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 313 | 39.9 | 29.2 | -27.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 39.9 | 26.2 | -30.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 306 | 40.0 | 32.4 | -23.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 38.1 | 25.0 | -28.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 303 | 39.7 | 33.2 | -21.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 317 | 35.8 | 24.2 | -26.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 303 | 41.5 | 34.9 | -22.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 318 | 34.5 | 23.0 | -25.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 303 | 42.8 | 36.0 | -23.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 318 | 31.0 | 20.7 | -23.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 302 | 38.6 | 32.6 | -20.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 22.4 | 16.3 | -15.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 298 | 29.0 | 25.7 | -13.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 325 | 20.2 | 11.5 | -16.5 | | 282 | 18.3 | 17.9 | -3.7 | 10914 |
| 275 | | 297 | 25.3 | 22.5 | -11.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 329 | 18.0 | 9.4 | -15.3 | | 284 | 23.2 | 22.5 | -5.7 | 10262 |
| 300 | | 290 | 21.7 | 20.4 | -7.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 336 | 23.7 | 9.7 | -21.6 | | 286 | 26.0 | 25.0 | -7.1 | 9654 |
| 325 | | 287 | 18.6 | 17.8 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 18.2 | 11.0 | -14.5 | | 286 | 22.8 | 21.9 | -6.3 | 9084 |
| 350 | | 271 | 17.6 | 17.6 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 311 | 16.0 | 12.0 | -10.5 | | 278 | 21.5 | 21.3 | -3.1 | 8546 |
| 375 | | 277 | 17.2 | 17.1 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 15.0 | 13.7 | -6.1 | | 272 | 20.8 | 20.8 | -.6 | 8039 |
| 400 | | 289 | 11.4 | 10.8 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 16.6 | 16.5 | -2.2 | | 257 | 13.2 | 12.9 | 2.9 | 7557 |
| 425 | | 308 | 2.7 | 2.1 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 15.3 | 15.3 | .2 | | 236 | 9.0 | 7.5 | 5.1 | 7099 |
| 450 | | 60 | 1.5 | -1.3 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 14.0 | 13.5 | 3.7 | | 237 | 8.0 | 6.8 | 4.4 | 6662 |
| 475 | | 127 | 5.0 | -4.0 | 3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 234 | 14.8 | 11.9 | 8.8 | | 238 | 7.4 | 6.3 | 3.9 | 6244 |
| 500 | | 139 | 12.7 | -8.3 | 9.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 216 | 17.2 | 10.1 | 14.0 | 2 | 210 | 7.5 | 3.8 | 6.5 | 5844 |
| 525 | | 151 | 11.7 | -5.7 | 10.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 209 | 14.4 | 7.1 | 12.5 | 3 | 202 | 8.5 | 3.2 | 7.9 | 5460 |
| 550 | | 165 | 8.0 | -2.0 | 7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 187 | 8.9 | 1.1 | 8.9 | | 219 | 9.0 | 5.7 | 7.0 | 5091 |
| 575 | | 152 | 7.3 | -3.4 | 6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 170 | 9.9 | -1.8 | 9.7 | | 208 | 7.2 | 3.4 | 6.3 | 4736 |
| 600 | | 142 | 10.3 | -6.3 | 8.1 | | 109 | 13.8 | -13.0 | 4.5 | | 173 | 10.8 | -1.4 | 10.7 | | 150 | 8.4 | -4.1 | 7.3 | 4393 |
| 625 | | 113 | 9.6 | -8.8 | 3.8 | | 102 | 9.8 | -9.6 | 2.1 | | 165 | 9.4 | -2.4 | 9.1 | | | | | | 4062 |
| 650 | | 87 | 10.2 | -10.2 | -.5 | | 107 | 13.1 | -12.5 | 3.8 | | 144 | 8.6 | -5.0 | 6.9 | | 149 | 7.2 | -3.7 | 6.2 | 3742 |
| 675 | | 82 | 11.8 | -11.7 | -1.6 | | 98 | 14.5 | -14.3 | 2.1 | | 116 | 7.9 | -7.1 | 3.5 | | 110 | 12.1 | -11.4 | 4.1 | 3431 |
| 700 | | 80 | 12.0 | -11.8 | -2.1 | | 93 | 13.5 | -13.5 | .7 | | 91 | 8.8 | -8.8 | .2 | | 104 | 10.7 | -10.4 | 2.5 | 3130 |
| 725 | | 87 | 10.1 | -10.1 | -.6 | | 91 | 12.3 | -12.3 | .3 | | 83 | 11.5 | -11.4 | -1.5 | | 87 | 11.4 | -11.4 | -.5 | 2837 |
| 750 | | 87 | 11.0 | -11.0 | -.5 | | 92 | 12.4 | -12.4 | .4 | | 77 | 12.6 | -12.2 | -2.8 | | 79 | 12.8 | -12.5 | -2.5 | 2553 |
| 775 | | 86 | 11.3 | -11.3 | -.7 | | 98 | 12.4 | -12.3 | 1.7 | | 73 | 12.6 | -12.0 | -3.7 | | 76 | 13.0 | -12.6 | -3.2 | 2276 |
| 800 | | 90 | 9.8 | -9.8 | -.1 | | 100 | 12.6 | -12.4 | 2.2 | | 79 | 12.9 | -12.6 | -2.5 | | 70 | 13.1 | -12.3 | -4.5 | 2007 |
| 825 | | 94 | 9.8 | -9.8 | .7 | | 105 | 12.1 | -11.7 | 3.2 | | 84 | 13.3 | -13.2 | -1.3 | | 68 | 13.7 | -12.7 | -5.2 | 1745 |
| 850 | | 97 | 11.4 | -11.3 | 1.3 | | 110 | 11.6 | -10.9 | 3.9 | | 85 | 13.8 | -13.7 | -1.1 | | 69 | 14.3 | -13.3 | -5.1 | 1490 |
| 875 | | 96 | 10.9 | -10.9 | 1.2 | | 103 | 11.6 | -11.3 | 2.6 | | 87 | 14.8 | -14.8 | -.7 | | 72 | 14.1 | -13.4 | -4.5 | 1242 |
| 900 | | 94 | 9.5 | -9.5 | .7 | | 91 | 12.5 | -12.5 | .1 | | 90 | 15.1 | -15.1 | .1 | | 73 | 13.6 | -13.0 | -3.9 | 999 |
| 925 | | 93 | 9.0 | -9.0 | .5 | | 88 | 12.9 | -12.9 | -.5 | | 91 | 13.9 | -13.9 | .3 | | 71 | 13.2 | -12.4 | -4.4 | 762 |
| 950 | | 91 | 8.1 | -8.1 | .1 | | 91 | 11.5 | -11.5 | .2 | | 87 | 11.5 | -11.5 | -.7 | | 65 | 12.7 | -11.5 | -5.4 | 529 |
| 975 | | 85 | 6.3 | -6.3 | -.6 | | 93 | 7.9 | -7.9 | .5 | | 79 | 9.7 | -9.5 | -1.8 | | 62 | 11.5 | -10.2 | -5.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 4/ 1 655 GMT I | DD | FF | U | V | 4/ 1 15 0 GMT I | DD | FF | U | V | 4/ 1 18 0 GMT I | DD | FF | U | V | 4/ 1 2050 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 252 | 15.0 | 14.2 | 4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 262 | 15.2 | 15.1 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 258 | 20.5 | 20.1 | 4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | | 254 | 19.6 | 18.8 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | | 249 | 14.5 | 13.6 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 245 | 19.1 | 17.3 | 8.1 | 15978 |
| 120 | | 283 | 11.5 | 11.2 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 15.2 | 15.2 | .3 | 15479 |
| 130 | | 317 | 14.9 | 10.2 | -10.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 20.8 | 19.6 | -7.1 | 15014 |
| 140 | | 325 | 22.1 | 12.6 | -18.2 | | 290 | 30.7 | 28.9 | -10.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 22.2 | 21.4 | -6.1 | 14578 |
| 150 | 1 | 306 | 32.2 | 26.2 | -18.7 | | 288 | 31.1 | 29.6 | -9.6 | | 293 | 27.1 | 25.0 | -10.4 | | 283 | 23.9 | 23.3 | -5.5 | 14167 |
| 160 | 0 | 295 | 39.2 | 35.5 | -16.5 | | 291 | 28.7 | 26.7 | -10.4 | | 287 | 30.4 | 29.1 | -8.8 | | 288 | 28.9 | 27.4 | -9.1 | 13776 |
| 170 | 0 | 291 | 37.9 | 35.3 | -13.8 | | 287 | 26.6 | 25.5 | -7.8 | | 276 | 32.0 | 31.9 | -3.3 | | 283 | 29.9 | 29.1 | -6.7 | 13404 |
| 180 | 1 | 290 | 33.6 | 31.5 | -11.5 | | 277 | 29.1 | 28.9 | -3.7 | | 268 | 33.2 | 33.2 | 1.0 | | 276 | 29.8 | 29.7 | -3.1 | 13049 |
| 190 | 3 | 288 | 30.9 | 29.4 | -9.5 | | 272 | 27.8 | 27.8 | -1.1 | | 269 | 29.7 | 29.7 | .7 | | 274 | 30.2 | 30.2 | -1.9 | 12709 |
| 200 | | 285 | 28.7 | 27.7 | -7.2 | | 268 | 26.4 | 26.4 | 1.1 | | 272 | 26.5 | 26.5 | -.9 | | 273 | 30.0 | 30.0 | -1.4 | 12383 |
| 225 | | 271 | 23.5 | 23.5 | -.5 | | 264 | 24.3 | 24.2 | 2.7 | | 268 | 26.2 | 26.2 | 1.1 | | 270 | 24.9 | 24.9 | -.1 | 11617 |
| 250 | | 260 | 20.9 | 20.6 | 3.7 | | 260 | 18.6 | 18.4 | 3.2 | | 253 | 22.4 | 21.4 | 6.7 | | 265 | 24.9 | 24.8 | 2.0 | 10914 |
| 275 | | 265 | 13.6 | 13.5 | 1.3 | | 257 | 23.4 | 22.8 | 5.2 | | 245 | 24.8 | 22.5 | 10.5 | | 256 | 18.4 | 17.9 | 4.3 | 10262 |
| 300 | | 274 | 18.0 | 17.9 | -1.3 | | 268 | 22.7 | 22.7 | .8 | 1 | 251 | 26.4 | 25.0 | 8.6 | | 254 | 16.8 | 16.1 | 4.8 | 9654 |
| 325 | | 265 | 18.1 | 18.0 | 1.7 | | 258 | 18.3 | 17.9 | 3.8 | | 267 | 17.7 | 17.7 | 1.0 | | 265 | 20.0 | 19.9 | 1.8 | 9084 |
| 350 | | 251 | 19.8 | 18.7 | 6.4 | | 253 | 16.8 | 16.1 | 4.9 | | 253 | 18.2 | 17.4 | 5.3 | | 265 | 19.5 | 19.4 | 1.8 | 8546 |
| 375 | 3 | 240 | 20.1 | 17.4 | 10.1 | | 223 | 16.3 | 11.2 | 11.9 | | 243 | 16.3 | 14.5 | 7.4 | | 253 | 17.3 | 16.5 | 5.2 | 8039 |
| 400 | | 215 | 15.4 | 8.8 | 12.6 | | 211 | 15.3 | 7.9 | 13.2 | | 220 | 18.5 | 11.9 | 14.1 | | 223 | 12.8 | 8.7 | 9.4 | 7557 |
| 425 | | 213 | 13.4 | 7.3 | 11.2 | 3 | 209 | 14.3 | 6.9 | 12.5 | | 226 | 14.9 | 10.7 | 10.3 | | 205 | 10.2 | 4.2 | 9.3 | 7099 |
| 450 | | 220 | 9.2 | 5.9 | 7.1 | 2 | 207 | 13.0 | 5.9 | 11.6 | | 217 | 20.0 | 12.1 | 16.0 | | 215 | 10.6 | 6.0 | 8.7 | 6662 |
| 475 | | 223 | 5.8 | 4.0 | 4.3 | | 212 | 11.1 | 5.9 | 9.4 | | 213 | 8.5 | 4.7 | 7.1 | | 229 | 9.9 | 7.5 | 6.4 | 6244 |
| 500 | | 213 | 6.4 | 3.5 | 5.4 | | 238 | 8.7 | 7.4 | 4.6 | | 231 | 10.3 | 8.0 | 6.4 | | 266 | 9.1 | 9.0 | .6 | 5844 |
| 525 | | 221 | 4.0 | 2.6 | 3.0 | | 259 | 7.4 | 7.3 | 1.4 | | 228 | 8.8 | 6.6 | 5.9 | | 292 | 11.5 | 10.7 | -4.2 | 5460 |
| 550 | | 177 | 3.4 | -.2 | 3.4 | | 241 | 6.7 | 5.9 | 3.3 | | 250 | 7.4 | 7.0 | 2.5 | | 304 | 10.3 | 8.6 | -5.7 | 5091 |
| 575 | | 182 | 4.8 | .2 | 4.8 | | 237 | 7.2 | 6.0 | 4.0 | | 267 | 6.4 | 6.4 | .3 | | 307 | 7.7 | 6.2 | -4.6 | 4736 |
| 600 | | 151 | 3.6 | -1.7 | 3.2 | | 245 | 4.2 | 3.8 | 1.7 | | 266 | 3.6 | 3.6 | .3 | | 316 | 8.6 | 6.0 | -6.2 | 4393 |
| 625 | | 102 | 5.2 | -5.1 | 1.0 | | 209 | 2.9 | 1.4 | 2.5 | | 258 | 2.4 | 2.4 | .5 | | 336 | 7.7 | 3.1 | -7.0 | 4062 |
| 650 | | 99 | 4.5 | -4.5 | .7 | | 228 | 3.3 | 2.5 | 2.2 | | 307 | .9 | .7 | -.6 | | 360 | 7.5 | .0 | -7.5 | 3742 |
| 675 | | 61 | 8.6 | -7.5 | -4.2 | | 83 | 1.2 | -1.2 | -.1 | | 40 | 5.4 | -3.5 | -4.2 | | 16 | 10.4 | -2.8 | -10.1 | 3431 |
| 700 | | 66 | 13.3 | -12.1 | -5.5 | | 71 | 8.3 | -7.8 | -2.6 | | 43 | 8.8 | -6.0 | -6.4 | | 31 | 14.8 | -7.6 | -12.7 | 3130 |
| 725 | | 73 | 13.2 | -12.6 | -3.9 | | 67 | 13.3 | -12.2 | -5.3 | | 50 | 9.5 | -7.3 | -6.1 | | 52 | 19.1 | -15.0 | -11.8 | 2837 |
| 750 | | 72 | 14.1 | -13.4 | -4.4 | | 64 | 14.7 | -13.2 | -6.4 | | 62 | 10.2 | -9.0 | -4.7 | | 66 | 21.2 | -19.5 | -8.5 | 2553 |
| 775 | | 71 | 15.0 | -14.2 | -4.9 | | 68 | 14.4 | -13.4 | -5.3 | | 73 | 11.1 | -10.7 | -3.2 | | 75 | 21.4 | -20.7 | -5.4 | 2276 |
| 800 | | 72 | 14.8 | -14.1 | -4.6 | | 77 | 14.3 | -13.9 | -3.2 | | 78 | 12.2 | -11.9 | -2.6 | | 82 | 22.4 | -22.1 | -3.3 | 2007 |
| 825 | | 71 | 13.9 | -13.2 | -4.5 | | 83 | 14.4 | -14.3 | -1.7 | | 78 | 14.1 | -13.8 | -2.9 | | 90 | 23.0 | -23.0 | -.0 | 1745 |
| 850 | | 68 | 13.5 | -12.5 | -5.1 | | 83 | 14.5 | -14.3 | -1.8 | | 77 | 15.8 | -15.4 | -3.5 | | 98 | 21.2 | -21.0 | 2.9 | 1490 |
| 875 | | 66 | 13.2 | -12.1 | -5.3 | | 81 | 14.4 | -14.2 | -2.3 | | 82 | 16.5 | -16.3 | -2.4 | | 102 | 18.0 | -17.6 | 3.7 | 1242 |
| 900 | | 66 | 13.1 | -12.0 | -5.3 | | 81 | 14.3 | -14.1 | -2.2 | | 90 | 17.0 | -17.0 | .1 | | 110 | 18.7 | -17.6 | 6.3 | 999 |
| 925 | | 63 | 13.7 | -12.2 | -6.2 | | 84 | 14.3 | -14.2 | -1.6 | | 96 | 15.6 | -15.5 | 1.5 | | 120 | 19.9 | -17.3 | 9.8 | 762 |
| 950 | | 61 | 13.9 | -12.2 | -6.8 | | 87 | 14.0 | -14.0 | -.8 | | 96 | 12.1 | -12.0 | 1.2 | | 126 | 16.2 | -13.1 | 9.7 | 529 |
| 975 | | 63 | 12.6 | -11.2 | -5.8 | | 91 | 13.0 | -13.0 | .2 | | 92 | 11.0 | -11.0 | .3 | | 132 | 11.4 | -8.4 | 7.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 4/ 1 2353 GMT I | DD | FF | U | V | 4/ 2 250 GMT I | DD | FF | U | V | 4/ 2 6 5 GMT I | DD | FF | U | V | 4/ 2 9 5 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | | 277 | 27.3 | 27.1 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 252 | 11.1 | 10.6 | 3.5 | | 274 | 19.6 | 19.5 | -1.5 | | 292 | 12.0 | 11.1 | -4.6 | | 278 | 17.3 | 17.2 | -2.5 | 18589 |
| 80 | | | | | | | 260 | 13.5 | 13.3 | 2.4 | | 288 | 12.2 | 11.6 | -3.7 | | 285 | 12.5 | 12.1 | -3.2 | 17801 |
| 90 | | 260 | 11.3 | 11.1 | 2.0 | | 257 | 19.3 | 18.8 | 4.5 | | 282 | 12.2 | 12.0 | -2.6 | | 286 | 15.0 | 14.4 | -4.2 | 17121 |
| 100 | | 253 | 20.1 | 19.2 | 6.0 | | 244 | 23.9 | 21.5 | 10.4 | | 229 | 23.2 | 17.5 | 15.2 | | 241 | 12.2 | 10.7 | 5.9 | 16521 |
| 110 | | 247 | 26.4 | 24.3 | 10.3 | | 241 | 23.1 | 20.1 | 11.4 | | 241 | 29.0 | 25.3 | 14.2 | | 239 | 29.4 | 25.2 | 15.1 | 15978 |
| 120 | | 268 | 24.2 | 24.2 | .7 | | 264 | 21.2 | 21.1 | 2.1 | | 257 | 20.0 | 19.4 | 4.6 | | 247 | 25.4 | 23.5 | 9.7 | 15479 |
| 130 | | 278 | 24.0 | 23.7 | -3.4 | | 276 | 24.5 | 24.4 | -2.6 | | 263 | 21.0 | 20.8 | 2.5 | | 258 | 18.2 | 17.8 | 3.7 | 15014 |
| 140 | | | | | | | 267 | 26.4 | 26.3 | 1.3 | | 256 | 20.8 | 20.1 | 5.2 | | 256 | 20.2 | 19.5 | 5.0 | 14578 |
| 150 | | 286 | 29.8 | 28.7 | -8.0 | | 265 | 28.2 | 28.1 | 2.6 | | 261 | 19.8 | 19.6 | 3.1 | | 250 | 21.9 | 20.6 | 7.4 | 14167 |
| 160 | | 284 | 29.9 | 29.0 | -7.2 | | 268 | 26.8 | 26.7 | 1.1 | | 258 | 20.5 | 20.1 | 4.4 | | 250 | 23.2 | 21.8 | 7.8 | 13776 |
| 170 | | 279 | 28.0 | 27.7 | -4.5 | | 276 | 27.1 | 27.0 | -2.6 | | 250 | 22.8 | 21.5 | 7.8 | | 246 | 24.8 | 22.7 | 10.2 | 13404 |
| 180 | | 273 | 28.6 | 28.6 | -1.6 | | 282 | 30.1 | 29.4 | -6.1 | | 245 | 25.4 | 23.0 | 10.8 | | 244 | 24.4 | 21.8 | 10.8 | 13049 |
| 190 | | 273 | 29.5 | 29.5 | -1.4 | | 285 | 28.8 | 27.9 | -7.3 | | 241 | 24.0 | 21.0 | 11.5 | | 241 | 23.4 | 20.5 | 11.2 | 12709 |
| 200 | | 273 | 29.5 | 29.5 | -1.6 | | 284 | 26.2 | 25.3 | -6.5 | | 240 | 22.4 | 19.4 | 11.1 | | 242 | 21.7 | 19.2 | 10.1 | 12383 |
| 225 | | 271 | 25.4 | 25.4 | -.4 | | 270 | 20.0 | 20.0 | .2 | | 249 | 16.5 | 15.4 | 6.0 | | 245 | 20.6 | 18.7 | 8.8 | 11617 |
| 250 | | 272 | 23.0 | 23.0 | -.7 | | 242 | 12.6 | 11.1 | 5.9 | | 228 | 12.3 | 9.1 | 8.2 | | 236 | 16.7 | 13.8 | 9.4 | 10914 |
| 275 | | 271 | 17.0 | 17.0 | -.2 | | 243 | 12.4 | 11.1 | 5.7 | | 244 | 16.2 | 14.5 | 7.1 | | 222 | 17.2 | 11.5 | 12.7 | 10262 |
| 300 | | 267 | 16.1 | 16.1 | .8 | | 269 | 16.3 | 16.3 | .2 | | 262 | 18.2 | 18.0 | 2.6 | | 239 | 16.4 | 14.1 | 8.4 | 9654 |
| 325 | | 277 | 21.8 | 21.6 | -2.7 | | 284 | 19.1 | 18.5 | -4.6 | | 272 | 16.5 | 16.5 | -.7 | | 262 | 18.1 | 18.0 | 2.4 | 9084 |
| 350 | | 272 | 21.6 | 21.6 | -.6 | | 272 | 17.1 | 17.1 | -.7 | 3 | 246 | 16.2 | 14.8 | 6.5 | | 246 | 13.6 | 12.5 | 5.5 | 8546 |
| 375 | | 253 | 10.7 | 10.3 | 3.1 | | 239 | 14.9 | 12.8 | 7.7 | 3 | 216 | 11.8 | 6.9 | 9.6 | | 225 | 13.7 | 9.7 | 9.7 | 8039 |
| 400 | | 232 | 10.0 | 7.8 | 6.2 | | 227 | 13.1 | 9.5 | 8.9 | | 220 | 13.0 | 8.3 | 10.0 | | 209 | 11.3 | 5.4 | 10.0 | 7557 |
| 425 | | 231 | 13.3 | 10.3 | 8.4 | | 224 | 11.1 | 7.7 | 8.0 | | 222 | 12.5 | 8.4 | 9.2 | | 229 | 11.4 | 8.6 | 7.5 | 7099 |
| 450 | | 213 | 8.6 | 4.7 | 7.2 | | 218 | 10.0 | 6.2 | 7.9 | | 201 | 9.0 | 3.3 | 8.4 | | 228 | 7.4 | 5.5 | 4.9 | 6662 |
| 475 | | 217 | 7.1 | 4.3 | 5.7 | | 209 | 6.4 | 3.1 | 5.6 | | 195 | 4.2 | 1.1 | 4.0 | | 199 | 3.5 | 1.1 | 3.3 | 6244 |
| 500 | | 261 | 11.9 | 11.7 | 1.9 | | 196 | 5.7 | 1.5 | 5.4 | | 202 | 4.9 | 1.9 | 4.5 | | 236 | 4.1 | 3.3 | 2.3 | 5844 |
| 525 | | 274 | 9.0 | 9.0 | -.6 | | 237 | 7.8 | 6.5 | 4.3 | | 234 | 6.9 | 5.5 | 4.1 | | 257 | 7.4 | 7.2 | 1.7 | 5460 |
| 550 | | 271 | 3.3 | 3.3 | -.1 | | 261 | 9.0 | 8.9 | 1.5 | | 229 | 7.8 | 5.9 | 5.1 | | 245 | 6.8 | 6.2 | 2.9 | 5091 |
| 575 | | 284 | 5.3 | 5.1 | -1.3 | | 257 | 6.7 | 6.6 | 1.5 | | 241 | 5.0 | 4.4 | 2.5 | | 250 | 5.1 | 4.7 | 1.8 | 4736 |
| 600 | | 305 | 3.4 | 2.7 | -1.9 | | 273 | 1.9 | 1.9 | -.1 | | 353 | 1.2 | .1 | -1.2 | | 334 | 1.0 | .4 | -.9 | 4393 |
| 625 | | 319 | 5.8 | 3.8 | -4.3 | | 39 | 4.6 | -2.9 | -3.6 | | 49 | 5.2 | -3.9 | -3.4 | | 71 | 6.6 | -6.2 | -2.2 | 4062 |
| 650 | | 349 | 5.9 | 1.1 | -5.8 | | 11 | 4.8 | -.9 | -4.7 | | 41 | 6.1 | -4.0 | -4.6 | | 74 | 8.8 | -8.4 | -2.4 | 3742 |
| 675 | | 40 | 8.5 | -5.5 | -6.4 | | 27 | 6.4 | -2.9 | -5.6 | | 53 | 9.3 | -7.4 | -5.6 | | 65 | 9.6 | -8.7 | -4.1 | 3431 |
| 700 | | 47 | 12.4 | -9.1 | -8.4 | | 53 | 10.9 | -8.7 | -6.5 | | 63 | 12.4 | -11.1 | -5.7 | | 65 | 11.1 | -10.1 | -4.7 | 3130 |
| 725 | | 62 | 15.5 | -13.7 | -7.3 | | 63 | 13.1 | -11.7 | -5.9 | | 77 | 13.6 | -13.3 | -3.0 | | 76 | 10.9 | -10.6 | -2.6 | 2837 |
| 750 | | 76 | 17.4 | -16.9 | -4.1 | | 75 | 13.0 | -12.5 | -3.4 | | 89 | 14.5 | -14.5 | -.2 | | 88 | 10.5 | -10.5 | -.4 | 2553 |
| 775 | | 88 | 17.9 | -17.9 | -.7 | 2 | 92 | 12.3 | -12.3 | .4 | | 94 | 13.1 | -13.1 | .8 | | 95 | 9.8 | -9.8 | .8 | 2276 |
| 800 | | 103 | 17.8 | -17.3 | 3.9 | 0 | 103 | 12.4 | -12.1 | 2.9 | | 92 | 10.5 | -10.5 | .4 | | 105 | 9.2 | -8.9 | 2.3 | 2007 |
| 825 | | 117 | 18.6 | -16.6 | 8.3 | 2 | 106 | 13.4 | -12.9 | 3.6 | | 95 | 10.9 | -10.9 | 1.0 | | 102 | 10.0 | -9.8 | 2.0 | 1745 |
| 850 | | 120 | 18.8 | -16.3 | 9.4 | | 107 | 15.0 | -14.4 | 4.3 | | 98 | 13.1 | -12.9 | 1.8 | | 90 | 11.0 | -11.0 | .1 | 1490 |
| 875 | | 114 | 18.0 | -16.5 | 7.3 | | 107 | 15.9 | -15.2 | 4.5 | | 95 | 13.5 | -13.4 | 1.3 | | 89 | 10.2 | -10.2 | -.1 | 1242 |
| 900 | | 107 | 17.7 | -16.9 | 5.3 | | 101 | 15.8 | -15.5 | 3.0 | | 93 | 12.5 | -12.5 | .7 | | 98 | 8.8 | -8.7 | 1.2 | 999 |
| 925 | | 107 | 16.1 | -15.4 | 4.8 | | 97 | 13.9 | -13.8 | 1.7 | | 91 | 10.5 | -10.5 | .2 | | 102 | 8.3 | -8.2 | 1.7 | 762 |
| 950 | | 110 | 12.8 | -12.0 | 4.4 | | 97 | 10.3 | -10.2 | 1.2 | | 89 | 8.1 | -8.1 | -.1 | | 95 | 7.8 | -7.8 | .6 | 529 |
| 975 | | 113 | 10.1 | -9.3 | 3.9 | | 98 | 9.3 | -9.2 | 1.3 | | 92 | 6.4 | -6.3 | .2 | | 81 | 7.0 | -6.9 | -1.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/ 2 1123 GMT | | | | 4/ 2 1917 GMT | | | | 4/ 2 2358 GMT | | | | 4/ 3 610 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 266 | 22.9 | 22.8 | 1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 269 | 19.3 | 19.3 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 275 | 23.0 | 22.9 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 264 | 10.3 | 10.2 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 282 | 24.6 | 24.0 | -5.3 | 17121 |
| 100 | 235 | 23.0 | 18.9 | 13.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 276 | 22.0 | 21.9 | -2.2 | 16521 |
| 110 | 241 | 29.9 | 26.1 | 14.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 276 | 24.9 | 24.7 | -2.6 | 15978 |
| 120 | 247 | 24.5 | 22.6 | 9.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 258 | 29.3 | 28.7 | 5.9 | 15479 |
| 130 | 258 | 18.7 | 18.2 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 251 | 33.1 | 31.3 | 10.9 | 15014 |
| 140 | 252 | 24.2 | 23.0 | 7.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 253 | 23.4 | 22.4 | 6.9 | 14578 |
| 150 | 258 | 22.5 | 22.0 | 4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 242 | 22.5 | 19.9 | 10.4 | 14167 |
| 160 | 263 | 24.9 | 24.7 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 237 | 23.6 | 19.8 | 12.8 | 13776 |
| 170 | 262 | 30.0 | 29.7 | 4.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 237 | 26.5 | 22.2 | 14.3 | 13404 |
| 180 | 270 | 26.5 | 26.5 | .0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 241 | 24.5 | 21.5 | 11.7 | 13049 |
| 190 | 264 | 23.1 | 22.9 | 2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 249 | 26.7 | 25.0 | 9.6 | 12709 |
| 200 | 256 | 21.8 | 21.2 | 5.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 253 | 27.9 | 26.8 | 8.0 | 12383 |
| 225 | 239 | 19.7 | 16.8 | 10.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 254 | 23.3 | 22.4 | 6.4 | 11617 |
| 250 | 223 | 18.8 | 12.8 | 13.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 247 | 19.0 | 17.4 | 7.6 | 10914 |
| 275 | 216 | 17.3 | 10.2 | 14.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 244 | 20.5 | 18.4 | 9.0 | 10262 |
| 300 | 3 256 | 16.2 | 15.8 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 209 | 16.0 | 7.8 | 13.9 | 9654 |
| 325 | 253 | 16.3 | 15.6 | 4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 229 | 15.0 | 11.4 | 9.8 | 9084 |
| 350 | 246 | 16.8 | 15.3 | 6.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 255 | 18.0 | 17.4 | 4.7 | 8546 |
| 375 | 230 | 14.3 | 10.9 | 9.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 258 | 16.2 | 15.8 | 3.5 | 8039 |
| 400 | 222 | 11.7 | 7.9 | 8.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 266 | 13.4 | 13.4 | 1.0 | 7557 |
| 425 | 214 | 7.8 | 4.4 | 6.4 | 0 0 | 0.0 | 0.0 | 0.0 | 250 | 11.4 | 10.7 | 3.9 | 251 | 13.7 | 13.0 | 4.4 | 7099 |
| 450 | 218 | 5.1 | 3.1 | 4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 252 | 11.8 | 11.2 | 3.6 | 243 | 15.8 | 14.1 | 7.3 | 6662 |
| 475 | 176 | 1.7 | -.1 | 1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 260 | 13.8 | 13.6 | 2.5 | 232 | 12.0 | 9.4 | 7.4 | 6244 |
| 500 | 250 | 2.6 | 2.4 | .9 | 0 0 | 0.0 | 0.0 | 0.0 | 253 | 7.7 | 7.3 | 2.3 | 233 | 7.4 | 5.9 | 4.4 | 5844 |
| 525 | 287 | 5.5 | 5.3 | -1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 202 | 3.6 | 1.4 | 3.4 | 178 | 4.7 | -.2 | 4.7 | 5460 |
| 550 | 268 | 7.4 | 7.4 | .3 | 0 0 | 0.0 | 0.0 | 0.0 | 173 | 4.4 | -.5 | 4.3 | 151 | 6.1 | -2.9 | 5.3 | 5091 |
| 575 | 248 | 6.0 | 5.5 | 2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 156 | 4.9 | -2.0 | 4.5 | 166 | 6.3 | -1.5 | 6.1 | 4736 |
| 600 | 353 | 1.7 | .2 | -1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 122 | 5.2 | -4.4 | 2.8 | 127 | 4.2 | -3.3 | 2.5 | 4393 |
| 625 | 3 62 | 3.2 | -2.8 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 108 | 6.0 | -5.7 | 1.8 | 89 | 5.0 | -5.0 | -.0 | 4062 |
| 650 | 3 66 | 4.4 | -4.0 | -1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 108 | 6.4 | -6.1 | 2.0 | 75 | 5.4 | -5.2 | -1.4 | 3742 |
| 675 | 68 | 8.8 | -8.2 | -3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 118 | 5.9 | -5.2 | 2.8 | 74 | 6.4 | -6.1 | -1.7 | 3431 |
| 700 | 74 | 9.7 | -9.3 | -2.7 | 0 0 | 0.0 | 0.0 | 0.0 | 129 | 6.4 | -5.0 | 4.1 | 77 | 6.8 | -6.6 | -1.5 | 3130 |
| 725 | 84 | 9.2 | -9.1 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 113 | 5.4 | -5.0 | 2.1 | 65 | 6.7 | -6.1 | -2.8 | 2837 |
| 750 | 93 | 9.5 | -9.5 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 65 | 4.6 | -4.1 | -2.0 | 65 | 5.4 | -4.9 | -2.3 | 2553 |
| 775 | 101 | 9.8 | -9.6 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 43 | 5.3 | -3.6 | -3.8 | 75 | 4.8 | -4.7 | -1.2 | 2276 |
| 800 | 105 | 10.5 | -10.1 | 2.8 | 0 0 | 0.0 | 0.0 | 0.0 | 50 | 5.6 | -4.3 | -3.6 | 82 | 5.3 | -5.3 | -.7 | 2007 |
| 825 | 101 | 11.4 | -11.2 | 2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 76 | 6.8 | -6.6 | -1.7 | 89 | 6.3 | -6.3 | -.1 | 1745 |
| 850 | 90 | 12.0 | -12.0 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 97 | 8.7 | -8.6 | 1.0 | 88 | 7.5 | -7.5 | -.2 | 1490 |
| 875 | 86 | 11.8 | -11.7 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 101 | 10.2 | -10.0 | 2.0 | 88 | 8.0 | -8.0 | -.3 | 1242 |
| 900 | 92 | 10.3 | -10.3 | .3 | 0 0 | 0.0 | 0.0 | 0.0 | 100 | 11.1 | -10.9 | 2.0 | 91 | 8.2 | -8.2 | .2 | 999 |
| 925 | 94 | 8.5 | -8.5 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 101 | 9.8 | -9.6 | 1.8 | 95 | 8.5 | -8.4 | .8 | 762 |
| 950 | 87 | 7.2 | -7.2 | -.4 | 0 0 | 0.0 | 0.0 | 0.0 | 100 | 7.1 | -7.0 | 1.2 | 94 | 8.4 | -8.4 | .6 | 529 |
| 975 | 82 | 7.1 | -7.1 | -.9 | 100 | 9.0 | -8.9 | 1.5 | 94 | 5.6 | -5.6 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/ 3 1150 GMT | | | | 4/ 3 1450 GMT | | | | 4/ 3 1810 GMT | | | | 4/ 3 21 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 266 | 18.2 | 18.2 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 285 | 18.9 | 18.2 | -4.9 | 262 | 21.5 | 21.3 | 2.9 | 254 | 14.0 | 13.5 | 4.0 | 276 | 18.3 | 18.2 | -1.8 | 18589 |
| 80 | 276 | 38.1 | 37.9 | -4.0 | 2 284 | 27.2 | 26.4 | -6.7 | 274 | 37.8 | 37.7 | -2.8 | 3 282 | 25.0 | 24.5 | -5.1 | 17801 |
| 90 | 276 | 24.8 | 24.6 | -2.6 | 0 278 | 33.3 | 33.0 | -4.5 | 294 | 25.1 | 23.0 | -10.1 | 0 278 | 37.7 | 37.3 | -5.5 | 17121 |
| 100 | 270 | 22.7 | 22.7 | -.1 | 3 273 | 22.2 | 22.2 | -1.2 | 279 | 29.1 | 28.8 | -4.4 | 0 280 | 31.6 | 31.2 | -5.3 | 16521 |
| 110 | 274 | 27.0 | 26.9 | -2.0 | 272 | 23.9 | 23.9 | -.8 | 273 | 29.3 | 29.3 | -1.3 | 282 | 23.7 | 23.3 | -4.8 | 15978 |
| 120 | 261 | 32.0 | 31.6 | 5.0 | 261 | 29.8 | 29.5 | 4.6 | 2 265 | 32.6 | 32.4 | 3.1 | 266 | 25.4 | 25.3 | 2.0 | 15479 |
| 130 | 250 | 38.4 | 36.1 | 13.2 | 255 | 35.4 | 34.2 | 9.1 | 0 258 | 45.8 | 44.7 | 9.8 | 262 | 36.8 | 36.4 | 5.1 | 15014 |
| 140 | 249 | 35.8 | 33.3 | 13.0 | 255 | 33.6 | 32.5 | 8.5 | 0 256 | 44.6 | 43.3 | 10.9 | 260 | 38.4 | 37.8 | 7.0 | 14578 |
| 150 | 255 | 29.0 | 28.0 | 7.4 | 258 | 29.0 | 28.4 | 6.1 | 0 258 | 34.7 | 34.0 | 7.2 | 260 | 39.3 | 38.7 | 7.1 | 14167 |
| 160 | 256 | 26.5 | 25.7 | 6.5 | 259 | 25.9 | 25.4 | 5.1 | 3 260 | 28.6 | 28.1 | 5.1 | 263 | 39.5 | 39.2 | 5.1 | 13776 |
| 170 | 251 | 28.0 | 26.5 | 9.1 | 246 | 25.0 | 22.9 | 10.0 | 260 | 32.3 | 31.8 | 5.7 | 266 | 35.5 | 35.4 | 2.7 | 13404 |
| 180 | 246 | 25.6 | 23.5 | 10.2 | 235 | 21.8 | 18.0 | 12.4 | 264 | 27.7 | 27.5 | 2.8 | 264 | 34.8 | 34.6 | 3.7 | 13049 |
| 190 | 241 | 21.1 | 18.4 | 10.3 | 235 | 21.6 | 17.7 | 12.4 | 266 | 20.8 | 20.7 | 1.5 | 264 | 32.1 | 32.0 | 3.1 | 12709 |
| 200 | 236 | 21.2 | 17.6 | 11.9 | 234 | 20.6 | 16.6 | 12.2 | 257 | 21.1 | 20.5 | 4.8 | 264 | 26.1 | 26.0 | 2.6 | 12383 |
| 225 | 236 | 20.4 | 16.8 | 11.5 | 233 | 13.0 | 10.4 | 7.9 | 241 | 16.9 | 14.8 | 8.2 | 257 | 21.2 | 20.6 | 4.9 | 11617 |
| 250 | 255 | 18.0 | 17.3 | 4.8 | 217 | 16.1 | 9.7 | 12.8 | 238 | 17.1 | 14.5 | 9.1 | 245 | 21.7 | 19.7 | 9.1 | 10914 |
| 275 | 255 | 14.2 | 13.7 | 3.6 | 213 | 11.4 | 6.2 | 9.5 | 210 | 16.7 | 8.3 | 14.5 | 220 | 20.2 | 12.9 | 15.6 | 10262 |
| 300 | 216 | 15.1 | 9.0 | 12.2 | 215 | 12.7 | 7.3 | 10.4 | 210 | 12.0 | 6.1 | 10.4 | 207 | 15.3 | 6.8 | 13.6 | 9654 |
| 325 | 239 | 10.3 | 8.8 | 5.3 | 249 | 10.6 | 9.9 | 3.8 | 241 | 9.2 | 8.0 | 4.4 | 213 | 10.9 | 5.9 | 9.2 | 9084 |
| 350 | 255 | 13.8 | 13.3 | 3.5 | 260 | 11.9 | 11.7 | 2.0 | 262 | 8.3 | 8.2 | 1.1 | 237 | 10.9 | 9.2 | 5.9 | 8546 |
| 375 | 256 | 17.7 | 17.2 | 4.3 | 266 | 15.8 | 15.8 | 1.2 | 260 | 11.8 | 11.6 | 2.0 | 255 | 12.0 | 11.6 | 3.1 | 8039 |
| 400 | 256 | 13.6 | 13.2 | 3.2 | 277 | 15.3 | 15.2 | -1.9 | 266 | 12.5 | 12.5 | 1.0 | 270 | 15.5 | 15.5 | -.1 | 7557 |
| 425 | 263 | 19.5 | 19.3 | 2.4 | 270 | 16.2 | 16.2 | -.0 | 267 | 15.9 | 15.9 | .8 | 275 | 17.7 | 17.7 | -1.6 | 7099 |
| 450 | 246 | 14.5 | 13.3 | 5.8 | 273 | 16.1 | 16.1 | -.8 | 267 | 15.8 | 15.8 | .8 | 273 | 18.3 | 18.2 | -1.0 | 6662 |
| 475 | 245 | 7.8 | 7.1 | 3.3 | 257 | 9.8 | 9.5 | 2.2 | 262 | 16.3 | 16.1 | 2.2 | 267 | 17.1 | 17.0 | .9 | 6244 |
| 500 | 242 | 5.9 | 5.2 | 2.7 | 251 | 9.1 | 8.6 | 3.0 | 254 | 13.0 | 12.5 | 3.6 | 264 | 14.4 | 14.3 | 1.6 | 5844 |
| 525 | 273 | 4.4 | 4.4 | -.2 | 250 | 8.0 | 7.5 | 2.8 | 257 | 9.7 | 9.4 | 2.2 | 264 | 11.4 | 11.3 | 1.3 | 5460 |
| 550 | 278 | 3.3 | 3.2 | -.4 | 256 | 4.7 | 4.6 | 1.2 | 270 | 7.6 | 7.6 | .1 | 265 | 10.6 | 10.5 | 1.0 | 5091 |
| 575 | 275 | 1.7 | 1.7 | -.2 | 265 | 4.7 | 4.7 | .4 | 284 | 3.7 | 3.6 | -.9 | 279 | 6.8 | 6.7 | -1.0 | 4736 |
| 600 | 233 | 1.2 | .9 | .7 | 238 | 4.7 | 4.0 | 2.4 | 287 | .7 | .7 | -.2 | 308 | 3.7 | 2.9 | -2.2 | 4393 |
| 625 | 178 | 1.5 | -.0 | 1.5 | 219 | 2.8 | 1.8 | 2.2 | 59 | .4 | -.3 | -.2 | 319 | 2.6 | 1.7 | -2.0 | 4062 |
| 650 | 96 | 1.8 | -1.8 | .2 | 134 | 2.0 | -1.4 | 1.4 | 121 | 2.8 | -2.4 | 1.5 | 342 | 1.1 | .3 | -1.0 | 3742 |
| 675 | 81 | 4.7 | -4.6 | -.7 | 112 | 4.2 | -3.9 | 1.6 | 119 | 3.5 | -3.0 | 1.7 | 142 | 1.8 | -1.1 | 1.4 | 3431 |
| 700 | 86 | 5.5 | -5.5 | -.4 | 101 | 3.7 | -3.6 | .7 | 101 | 2.8 | -2.7 | .5 | 157 | 2.4 | -.9 | 2.2 | 3130 |
| 725 | 94 | 3.7 | -3.7 | .3 | 85 | 2.2 | -2.2 | -.2 | 49 | 2.1 | -1.6 | -1.4 | 133 | 1.4 | -1.0 | 1.0 | 2837 |
| 750 | 94 | 2.5 | -2.4 | .2 | 71 | 1.7 | -1.6 | -.6 | 31 | 2.6 | -1.4 | -2.3 | 112 | 2.4 | -2.2 | .9 | 2553 |
| 775 | 89 | 2.9 | -2.9 | -.1 | 95 | 3.2 | -3.2 | .3 | 98 | 3.3 | -3.3 | .5 | 108 | 4.3 | -4.1 | 1.3 | 2276 |
| 800 | 95 | 4.7 | -4.7 | .4 | 105 | 6.2 | -6.0 | 1.6 | 117 | 5.6 | -5.0 | 2.5 | 95 | 6.4 | -6.3 | .6 | 2007 |
| 825 | 96 | 6.8 | -6.7 | .7 | 104 | 7.4 | -7.2 | 1.9 | 108 | 5.2 | -4.9 | 1.6 | 89 | 6.8 | -6.8 | -.1 | 1745 |
| 850 | 94 | 7.2 | -7.2 | .5 | 104 | 6.7 | -6.5 | 1.6 | 95 | 4.1 | -4.0 | .3 | 95 | 5.5 | -5.5 | .5 | 1490 |
| 875 | 97 | 6.9 | -6.8 | .8 | 107 | 6.0 | -5.7 | 1.8 | 95 | 3.7 | -3.7 | .4 | 107 | 4.8 | -4.6 | 1.4 | 1242 |
| 900 | 105 | 7.0 | -6.7 | 1.8 | 114 | 5.7 | -5.1 | 2.3 | 113 | 4.1 | -3.7 | 1.6 | 112 | 4.7 | -4.3 | 1.8 | 999 |
| 925 | 111 | 7.0 | -6.5 | 2.5 | 117 | 5.3 | -4.7 | 2.4 | 126 | 4.1 | -3.3 | 2.4 | 107 | 4.1 | -3.9 | 1.2 | 762 |
| 950 | 114 | 6.2 | -5.7 | 2.5 | 111 | 4.7 | -4.4 | 1.7 | 127 | 3.3 | -2.7 | 2.0 | 87 | 3.8 | -3.8 | -.2 | 529 |
| 975 | 119 | 5.2 | -4.5 | 2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 131 | 2.5 | -1.9 | 1.6 | 74 | 4.4 | -4.3 | -1.2 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/ 3 2353 GMT | | | | 4/ 4 312 GMT | | | | 4/ 4 617 GMT | | | | 4/ 4 9 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 265 | 17.1 | 17.1 | 1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 283 | 17.6 | 17.2 | -4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 280 | 21.0 | 20.7 | -3.5 | 296 | 19.4 | 17.4 | -8.6 | 18589 |
| 80 | 296 | 21.1 | 19.0 | -9.1 | 0 0 | 0.0 | 0.0 | 0.0 | 283 | 13.9 | 13.6 | -3.1 | 294 | 18.5 | 16.9 | -7.6 | 17801 |
| 90 | 290 | 27.6 | 25.9 | -9.4 | 286 | 24.9 | 24.0 | -6.8 | 282 | 30.4 | 29.8 | -6.3 | 289 | 23.5 | 22.3 | -7.5 | 17121 |
| 100 | 282 | 25.3 | 24.7 | -5.1 | 278 | 23.6 | 23.4 | -3.2 | 274 | 22.8 | 22.8 | -1.5 | 275 | 25.2 | 25.0 | -2.4 | 16521 |
| 110 | 278 | 28.1 | 27.8 | -3.9 | 283 | 24.9 | 24.3 | -5.6 | 278 | 25.0 | 24.7 | -3.4 | 264 | 27.4 | 27.3 | 2.9 | 15978 |
| 120 | | | | | 264 | 33.7 | 33.5 | 3.3 | 263 | 32.2 | 31.9 | 4.0 | 258 | 32.1 | 31.5 | 6.4 | 15479 |
| 130 | | | | | 254 | 41.9 | 40.3 | 11.5 | 257 | 36.0 | 35.1 | 7.8 | 258 | 39.7 | 38.9 | 8.1 | 15014 |
| 140 | | | | | 253 | 48.5 | 46.4 | 14.1 | 257 | 45.5 | 44.2 | 10.5 | 260 | 42.2 | 41.5 | 7.6 | 14578 |
| 150 | | | | | 259 | 44.5 | 43.6 | 8.8 | 263 | 43.4 | 43.1 | 5.6 | 264 | 36.4 | 36.2 | 3.8 | 14167 |
| 160 | 266 | 40.2 | 40.1 | 2.6 | 263 | 36.7 | 36.5 | 4.2 | 263 | 38.9 | 38.6 | 4.9 | 265 | 39.8 | 39.7 | 3.4 | 13776 |
| 170 | 265 | 35.3 | 35.1 | 3.1 | 261 | 39.6 | 39.1 | 6.3 | 259 | 40.6 | 40.0 | 7.4 | 260 | 38.5 | 38.0 | 6.5 | 13404 |
| 180 | 263 | 39.8 | 39.6 | 4.6 | 261 | 40.1 | 39.6 | 6.2 | 258 | 43.0 | 42.1 | 8.6 | 257 | 32.9 | 32.1 | 7.5 | 13049 |
| 190 | 267 | 36.8 | 36.7 | 2.2 | 264 | 39.1 | 38.9 | 4.3 | 261 | 40.3 | 39.9 | 6.1 | 258 | 36.2 | 35.4 | 7.8 | 12709 |
| 200 | 270 | 32.7 | 32.7 | -.0 | 267 | 37.3 | 37.2 | 2.1 | 265 | 39.3 | 39.2 | 3.1 | 259 | 34.5 | 33.9 | 6.5 | 12383 |
| 225 | 262 | 26.2 | 26.0 | 3.7 | 2 266 | 34.8 | 34.7 | 2.5 | 265 | 28.4 | 28.3 | 2.4 | 256 | 30.3 | 29.4 | 7.3 | 11617 |
| 250 | 258 | 22.4 | 21.9 | 4.7 | 2 260 | 19.9 | 19.6 | 3.5 | 261 | 26.7 | 26.4 | 4.4 | 258 | 22.2 | 21.6 | 4.8 | 10914 |
| 275 | 234 | 20.3 | 16.4 | 11.9 | 243 | 22.2 | 19.7 | 10.2 | 255 | 18.6 | 18.0 | 4.8 | 256 | 21.1 | 20.5 | 5.0 | 10262 |
| 300 | 211 | 17.0 | 8.6 | 14.6 | 208 | 19.1 | 9.0 | 16.8 | 217 | 20.7 | 12.4 | 16.6 | 221 | 17.4 | 11.3 | 13.2 | 9654 |
| 325 | 207 | 11.9 | 5.4 | 10.6 | 219 | 15.0 | 9.4 | 11.7 | 216 | 17.3 | 10.1 | 14.1 | 218 | 14.1 | 8.6 | 11.2 | 9084 |
| 350 | 233 | 12.5 | 10.0 | 7.5 | 233 | 10.2 | 8.2 | 6.1 | 224 | 12.0 | 8.4 | 8.6 | 246 | 10.3 | 9.4 | 4.2 | 8546 |
| 375 | 257 | 12.5 | 12.2 | 2.8 | 254 | 13.3 | 12.8 | 3.5 | 250 | 13.1 | 12.3 | 4.4 | 268 | 16.5 | 16.4 | .5 | 8039 |
| 400 | 264 | 14.1 | 14.0 | 1.5 | 2 266 | 16.6 | 16.6 | 1.3 | 267 | 19.1 | 19.1 | .9 | 272 | 19.2 | 19.2 | -.5 | 7557 |
| 425 | 271 | 16.0 | 16.0 | -.2 | 0 274 | 15.9 | 15.9 | -1.2 | 269 | 18.1 | 18.1 | .3 | 275 | 16.5 | 16.4 | -1.5 | 7099 |
| 450 | 275 | 16.2 | 16.1 | -1.4 | 2 265 | 15.9 | 15.9 | 1.3 | 272 | 13.8 | 13.8 | -.5 | 280 | 12.3 | 12.1 | -2.1 | 6662 |
| 475 | 273 | 18.8 | 18.8 | -1.1 | 2 283 | 17.2 | 16.7 | -3.9 | 289 | 12.6 | 12.0 | -4.0 | 280 | 12.1 | 11.9 | -2.1 | 6244 |
| 500 | 269 | 18.3 | 18.3 | .3 | 1 256 | 15.2 | 14.7 | 3.8 | 282 | 16.3 | 16.0 | -3.4 | 276 | 15.3 | 15.2 | -1.6 | 5844 |
| 525 | 275 | 11.7 | 11.6 | -.9 | 261 | 15.2 | 15.1 | 2.3 | 271 | 14.7 | 14.7 | -.2 | 272 | 13.9 | 13.9 | -.5 | 5460 |
| 550 | 274 | 11.1 | 11.0 | -.8 | 278 | 13.3 | 13.2 | -1.9 | 273 | 10.9 | 10.9 | -.5 | 271 | 12.4 | 12.4 | -.2 | 5091 |
| 575 | 282 | 8.6 | 8.4 | -1.8 | 288 | 8.4 | 7.9 | -2.6 | 290 | 6.5 | 6.1 | -2.2 | 279 | 7.9 | 7.8 | -1.2 | 4736 |
| 600 | 289 | 4.7 | 4.4 | -1.5 | 302 | 5.4 | 4.6 | -2.9 | 299 | 4.5 | 3.9 | -2.2 | 295 | 4.4 | 4.0 | -1.9 | 4393 |
| 625 | 295 | 2.4 | 2.2 | -1.0 | 306 | 3.9 | 3.2 | -2.3 | 311 | 4.0 | 3.0 | -2.6 | 329 | 2.3 | 1.2 | -1.9 | 4062 |
| 650 | 245 | .8 | .8 | .3 | 3 359 | 1.2 | .0 | -1.2 | 9 | .8 | -.1 | -.8 | 53 | .8 | -.6 | -.5 | 3742 |
| 675 | 134 | 1.6 | -1.1 | 1.1 | 2 105 | .3 | -.3 | .1 | 112 | 2.3 | -2.2 | .9 | 135 | 1.8 | -1.3 | 1.3 | 3431 |
| 700 | 86 | 2.0 | -2.0 | -.1 | 58 | .9 | -.8 | -.5 | 97 | 1.8 | -1.8 | .2 | 134 | 1.5 | -1.1 | 1.1 | 3130 |
| 725 | 80 | 2.5 | -2.5 | -.4 | 54 | 2.8 | -2.2 | -1.6 | 13 | 1.2 | -.3 | -1.1 | 164 | .8 | -.2 | .8 | 2837 |
| 750 | 99 | 3.3 | -3.3 | .5 | 2 54 | 2.8 | -2.3 | -1.6 | 352 | 1.4 | .2 | -1.4 | 168 | 1.9 | -.4 | 1.9 | 2553 |
| 775 | 92 | 3.7 | -3.7 | .1 | 0 59 | 2.2 | -1.9 | -1.1 | 44 | 2.5 | -1.7 | -1.8 | 121 | 2.6 | -2.2 | 1.3 | 2276 |
| 800 | 83 | 4.7 | -4.7 | -.6 | 0 75 | 2.6 | -2.6 | -.7 | 73 | 5.0 | -4.8 | -1.4 | 90 | 3.8 | -3.8 | .0 | 2007 |
| 825 | 99 | 5.4 | -5.4 | .8 | 0 91 | 4.1 | -4.1 | .1 | 92 | 6.0 | -6.0 | .2 | 89 | 5.3 | -5.3 | -.1 | 1745 |
| 850 | 108 | 5.5 | -5.2 | 1.7 | 2 98 | 5.6 | -5.6 | .8 | 96 | 6.4 | -6.4 | .6 | 97 | 7.8 | -7.8 | .9 | 1490 |
| 875 | 102 | 5.5 | -5.3 | 1.2 | 102 | 6.5 | -6.3 | 1.3 | 99 | 7.2 | -7.1 | 1.1 | 99 | 9.4 | -9.3 | 1.4 | 1242 |
| 900 | 100 | 5.5 | -5.4 | 1.0 | 105 | 6.1 | -5.9 | 1.6 | 105 | 7.7 | -7.4 | 2.0 | 93 | 8.7 | -8.7 | .4 | 999 |
| 925 | 105 | 5.1 | -4.9 | 1.3 | 108 | 5.1 | -4.9 | 1.6 | 111 | 7.7 | -7.2 | 2.8 | 86 | 7.5 | -7.4 | -.5 | 762 |
| 950 | 108 | 4.3 | -4.1 | 1.3 | 106 | 4.0 | -3.8 | 1.1 | 114 | 6.7 | -6.1 | 2.7 | 89 | 6.4 | -6.4 | -.1 | 529 |
| 975 | 107 | 3.7 | -3.6 | 1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 86 | 4.4 | -4.4 | -.3 | 99 | 5.1 | -5.0 | .8 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/ 4 1115 GMT | | | | 4/ 5 19 0 GMT | | | | 4/ 5 2332 GMT | | | | 4/ 6 553 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 16.5 | 16.3 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 284 | 21.8 | 21.2 | -5.3 | | 264 | 18.5 | 18.4 | 1.8 | | 266 | 20.3 | 20.2 | 1.3 | | 260 | 13.0 | 12.8 | 2.3 | 18589 |
| 80 | | 284 | 17.6 | 17.1 | -4.3 | | 253 | 13.7 | 13.1 | 3.9 | | 267 | 14.6 | 14.6 | .7 | | 255 | 9.8 | 9.5 | 2.5 | 17801 |
| 90 | | 300 | 22.4 | 19.4 | -11.2 | | 306 | 12.2 | 9.9 | -7.2 | | 315 | 11.2 | 8.0 | -7.8 | | 304 | 6.9 | 5.7 | -3.8 | 17121 |
| 100 | | 288 | 25.6 | 24.4 | -7.8 | | 298 | 24.4 | 21.6 | -11.3 | | 292 | 19.9 | 18.5 | -7.5 | | 303 | 17.9 | 15.0 | -9.7 | 16521 |
| 110 | | 264 | 28.7 | 28.6 | 3.0 | | 270 | 18.2 | 18.2 | .1 | | 263 | 20.1 | 20.0 | 2.6 | | 273 | 12.6 | 12.5 | -.7 | 15978 |
| 120 | | 262 | 34.4 | 34.0 | 4.8 | | 259 | 25.2 | 24.7 | 5.0 | | 262 | 17.4 | 17.3 | 2.5 | | 275 | 17.6 | 17.6 | -1.5 | 15479 |
| 130 | | 263 | 41.1 | 40.8 | 4.8 | | 273 | 29.0 | 28.9 | -1.3 | | 265 | 21.2 | 21.1 | 1.8 | | 274 | 20.0 | 19.9 | -1.4 | 15014 |
| 140 | | 262 | 42.8 | 42.3 | 6.2 | | 276 | 26.4 | 26.3 | -2.6 | | 260 | 20.8 | 20.5 | 3.6 | | 257 | 16.5 | 16.1 | 3.7 | 14578 |
| 150 | | 261 | 43.3 | 42.8 | 6.6 | | 271 | 28.0 | 27.9 | -.7 | | 261 | 18.5 | 18.2 | 3.0 | | 247 | 14.0 | 12.9 | 5.5 | 14167 |
| 160 | | 265 | 39.1 | 38.9 | 3.7 | | 270 | 23.4 | 23.4 | -.0 | | 262 | 19.6 | 19.4 | 2.8 | | 246 | 15.8 | 14.4 | 6.5 | 13776 |
| 170 | | 263 | 36.3 | 36.1 | 4.2 | | 269 | 19.4 | 19.4 | .4 | | 263 | 21.2 | 21.0 | 2.6 | | 241 | 16.9 | 14.8 | 8.3 | 13404 |
| 180 | | 261 | 39.6 | 39.0 | 6.3 | | 263 | 17.6 | 17.5 | 2.2 | | 264 | 17.5 | 17.4 | 2.0 | | 233 | 19.0 | 15.2 | 11.5 | 13049 |
| 190 | | 262 | 34.9 | 34.5 | 4.9 | | 263 | 16.6 | 16.5 | 2.0 | | 254 | 16.3 | 15.7 | 4.4 | | 231 | 18.4 | 14.2 | 11.7 | 12709 |
| 200 | 3 | 263 | 33.8 | 33.5 | 4.4 | | 268 | 17.9 | 17.9 | .7 | | 247 | 18.9 | 17.4 | 7.3 | | 228 | 16.2 | 12.1 | 10.8 | 12383 |
| 225 | | 257 | 28.2 | 27.5 | 6.2 | | 276 | 18.8 | 18.7 | -2.1 | | 259 | 16.7 | 16.4 | 3.3 | | 236 | 13.7 | 11.4 | 7.6 | 11617 |
| 250 | | 256 | 23.4 | 22.7 | 5.6 | | 273 | 18.9 | 18.8 | -.9 | | 263 | 17.7 | 17.6 | 2.2 | | 251 | 13.5 | 12.8 | 4.5 | 10914 |
| 275 | | 248 | 19.3 | 17.8 | 7.3 | | 269 | 18.4 | 18.4 | .4 | | 259 | 16.2 | 15.9 | 3.2 | | 258 | 16.8 | 16.4 | 3.5 | 10262 |
| 300 | | 215 | 16.5 | 9.4 | 13.5 | | 249 | 14.6 | 13.7 | 5.1 | | 253 | 16.1 | 15.3 | 4.8 | | 266 | 15.3 | 15.3 | 1.0 | 9654 |
| 325 | | 211 | 15.1 | 7.8 | 12.9 | | 238 | 14.2 | 12.1 | 7.5 | | 246 | 14.4 | 13.2 | 5.9 | | 256 | 13.2 | 12.8 | 3.1 | 9084 |
| 350 | | 248 | 12.6 | 11.7 | 4.8 | | 213 | 9.3 | 5.0 | 7.9 | | 237 | 11.5 | 9.6 | 6.3 | | 246 | 14.3 | 13.1 | 5.8 | 8546 |
| 375 | | 266 | 18.8 | 18.8 | 1.2 | | 296 | 8.1 | 7.3 | -3.5 | | 263 | 8.1 | 8.1 | 1.0 | | 220 | 10.2 | 6.6 | 7.8 | 8039 |
| 400 | | 275 | 19.1 | 19.0 | -1.6 | | 301 | 11.2 | 9.6 | -5.7 | | 309 | 13.3 | 10.4 | -8.4 | | 303 | 8.2 | 6.8 | -4.5 | 7557 |
| 425 | | 281 | 16.5 | 16.2 | -3.3 | | 292 | 11.9 | 11.0 | -4.5 | | 314 | 13.6 | 9.9 | -9.4 | | 319 | 10.1 | 6.7 | -7.6 | 7099 |
| 450 | | 281 | 13.8 | 13.6 | -2.6 | | 308 | 10.8 | 8.6 | -6.6 | | 318 | 12.4 | 8.2 | -9.2 | | 320 | 10.7 | 6.9 | -8.2 | 6662 |
| 475 | | 271 | 13.6 | 13.6 | -.3 | | 341 | 9.1 | 2.9 | -8.6 | | 342 | 10.4 | 3.2 | -9.9 | | 351 | 7.2 | 1.2 | -7.1 | 6244 |
| 500 | 3 | 269 | 13.7 | 13.7 | .4 | | 11 | 6.4 | -1.2 | -6.3 | | 356 | 9.3 | .7 | -9.3 | | 43 | 8.8 | -5.9 | -6.5 | 5844 |
| 525 | | 271 | 11.1 | 11.1 | -.1 | | 24 | 5.4 | -2.2 | -4.9 | | 357 | 7.2 | .4 | -7.2 | | 77 | 6.5 | -6.4 | -1.4 | 5460 |
| 550 | | 269 | 11.6 | 11.6 | .3 | | 358 | 3.9 | .1 | -3.9 | | 339 | 3.2 | 1.1 | -2.9 | | 96 | 4.5 | -4.4 | .5 | 5091 |
| 575 | | 287 | 7.8 | 7.5 | -2.3 | | 343 | 2.2 | .7 | -2.1 | | 298 | 4.2 | 3.7 | -2.0 | | 208 | .4 | .2 | .3 | 4736 |
| 600 | | 300 | 5.4 | 4.7 | -2.7 | | 355 | 2.5 | .2 | -2.5 | | 309 | 3.1 | 2.4 | -1.9 | | 109 | 2.5 | -2.3 | .8 | 4393 |
| 625 | | 318 | 2.6 | 1.7 | -1.9 | | 23 | 2.9 | -1.1 | -2.7 | | 108 | 1.1 | -1.1 | .4 | | 93 | 4.8 | -4.8 | .3 | 4062 |
| 650 | | 40 | .4 | -.3 | -.3 | | 83 | 3.9 | -3.8 | -.5 | | 135 | 2.3 | -1.6 | 1.6 | | 100 | 6.6 | -6.5 | 1.1 | 3742 |
| 675 | | 156 | 1.6 | -.7 | 1.5 | | 111 | 4.6 | -4.3 | 1.6 | | 135 | 3.4 | -2.4 | 2.4 | | 116 | 7.3 | -6.5 | 3.1 | 3431 |
| 700 | | 88 | .8 | -.8 | -.0 | | 113 | 5.1 | -4.7 | 1.9 | | 139 | 5.7 | -3.8 | 4.3 | | 110 | 6.6 | -6.2 | 2.3 | 3130 |
| 725 | | 351 | .7 | .1 | -.7 | | 113 | 6.5 | -6.0 | 2.6 | | 135 | 7.2 | -5.0 | 5.1 | | 102 | 7.0 | -6.9 | 1.4 | 2837 |
| 750 | | 193 | .6 | .1 | .5 | | 127 | 7.4 | -5.9 | 4.4 | | 130 | 9.6 | -7.4 | 6.2 | | 92 | 7.2 | -7.2 | .2 | 2553 |
| 775 | | 135 | 1.6 | -1.1 | 1.1 | | 130 | 7.2 | -5.5 | 4.6 | | 121 | 11.7 | -10.0 | 6.1 | | 87 | 7.0 | -7.0 | -.4 | 2276 |
| 800 | | 97 | 3.2 | -3.1 | .4 | | 120 | 6.8 | -5.9 | 3.4 | | 110 | 11.5 | -10.9 | 3.9 | | 94 | 6.9 | -6.9 | .5 | 2007 |
| 825 | | 90 | 5.1 | -5.1 | -.0 | | 122 | 7.0 | -6.0 | 3.7 | | 104 | 10.2 | -9.9 | 2.5 | | 93 | 7.8 | -7.8 | .4 | 1745 |
| 850 | | 97 | 7.3 | -7.2 | .9 | | 129 | 7.4 | -5.8 | 4.7 | | 107 | 8.9 | -8.6 | 2.5 | | 88 | 9.2 | -9.2 | -.4 | 1490 |
| 875 | | 103 | 8.5 | -8.3 | 1.9 | | 131 | 7.3 | -5.6 | 4.8 | | 112 | 8.7 | -8.0 | 3.3 | | 83 | 10.4 | -10.3 | -1.2 | 1242 |
| 900 | | 107 | 7.9 | -7.5 | 2.3 | | 132 | 6.8 | -5.0 | 4.6 | | 116 | 9.0 | -8.1 | 3.9 | | 77 | 10.8 | -10.5 | -2.4 | 999 |
| 925 | | 105 | 6.9 | -6.6 | 1.8 | | 134 | 6.0 | -4.3 | 4.2 | | 120 | 7.8 | -6.8 | 3.9 | | 73 | 10.4 | -9.9 | -3.1 | 762 |
| 950 | | 98 | 6.1 | -6.1 | .9 | | 135 | 5.2 | -3.7 | 3.7 | | 130 | 5.7 | -4.4 | 3.7 | | 73 | 9.9 | -9.5 | -3.0 | 529 |
| 975 | | 94 | 5.3 | -5.3 | .4 | | 137 | 4.3 | -2.9 | 3.1 | | 146 | 5.2 | -2.9 | 4.3 | | 71 | 8.2 | -7.8 | -2.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 4/ 6 1115 GMT I | DD | FF | U | V | 4/ 6 1511 GMT I | DD | FF | U | V | 4/ 6 1856 GMT I | DD | FF | U | V | 4/ 6 2050 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | | 266 | 12.2 | 12.1 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 265 | 16.6 | 16.6 | 1.4 | | 254 | 16.0 | 15.3 | 4.5 | | 265 | 16.6 | 16.6 | 1.4 | | 263 | 15.0 | 14.9 | 1.8 | 18589 |
| 80 | | 250 | 15.8 | 14.8 | 5.3 | | 273 | 18.7 | 18.7 | -1.0 | | 263 | 16.8 | 16.7 | 2.1 | | 260 | 15.6 | 15.4 | 2.8 | 17801 |
| 90 | | 275 | 5.2 | 5.2 | -.4 | | 268 | 16.6 | 16.6 | .7 | | 285 | 4.7 | 4.5 | -1.2 | | 243 | 6.6 | 5.9 | 3.0 | 17121 |
| 100 | | 306 | 20.9 | 16.8 | -12.4 | | 264 | 6.2 | 6.2 | .6 | | 310 | 16.6 | 12.7 | -10.8 | | 307 | 17.2 | 13.8 | -10.4 | 16521 |
| 110 | | 275 | 14.6 | 14.5 | -1.4 | | 305 | 15.5 | 12.6 | -9.0 | | 296 | 14.7 | 13.2 | -6.5 | | 294 | 16.6 | 15.1 | -6.8 | 15978 |
| 120 | | 262 | 15.0 | 14.9 | 2.0 | | 297 | 16.2 | 14.4 | -7.4 | | 267 | 13.3 | 13.2 | .7 | | 266 | 16.5 | 16.4 | 1.2 | 15479 |
| 130 | | 270 | 16.9 | 16.9 | .0 | | 272 | 11.3 | 11.3 | -.3 | | 257 | 17.9 | 17.4 | 4.0 | | 259 | 14.2 | 13.9 | 2.7 | 15014 |
| 140 | | 262 | 14.5 | 14.4 | 2.1 | | 268 | 18.0 | 18.0 | .6 | | 247 | 16.6 | 15.3 | 6.6 | | 237 | 14.6 | 12.2 | 7.9 | 14578 |
| 150 | | 252 | 12.6 | 12.0 | 4.0 | | 265 | 18.9 | 18.8 | 1.8 | | 232 | 14.1 | 11.1 | 8.7 | | 228 | 14.8 | 10.9 | 9.9 | 14167 |
| 160 | 3 | 220 | 13.0 | 8.3 | 10.0 | | 248 | 15.3 | 14.2 | 5.8 | | 220 | 14.4 | 9.4 | 11.0 | | 225 | 15.9 | 11.2 | 11.3 | 13776 |
| 170 | 1 | 205 | 15.7 | 6.6 | 14.2 | | 241 | 17.8 | 15.6 | 8.7 | | 213 | 16.6 | 9.1 | 13.8 | | 216 | 18.3 | 10.6 | 14.9 | 13404 |
| 180 | 1 | 209 | 15.0 | 7.4 | 13.0 | | 227 | 11.1 | 8.1 | 7.5 | | 212 | 18.7 | 9.8 | 16.0 | | 215 | 21.0 | 12.0 | 17.2 | 13049 |
| 190 | 0 | 213 | 15.5 | 8.5 | 13.0 | | 209 | 14.7 | 7.1 | 12.8 | | 208 | 19.8 | 9.2 | 17.5 | | 214 | 20.8 | 11.8 | 17.2 | 12709 |
| 200 | 1 | 222 | 15.1 | 10.0 | 11.3 | | 204 | 17.6 | 7.2 | 16.1 | | 211 | 18.8 | 9.6 | 16.1 | | 212 | 18.3 | 9.6 | 15.5 | 12383 |
| 225 | 3 | 239 | 15.3 | 13.2 | 7.8 | | 210 | 17.6 | 8.7 | 15.4 | | 219 | 13.5 | 8.5 | 10.5 | | 217 | 15.0 | 9.0 | 12.0 | 11617 |
| 250 | 2 | 242 | 11.2 | 9.8 | 5.3 | | 206 | 17.4 | 7.7 | 15.6 | | 200 | 14.8 | 5.0 | 14.0 | | 204 | 13.1 | 5.4 | 11.9 | 10914 |
| 275 | 2 | 256 | 7.8 | 7.6 | 1.9 | | 242 | 12.1 | 10.7 | 5.6 | | 229 | 9.4 | 7.1 | 6.1 | | 199 | 13.4 | 4.2 | 12.7 | 10262 |
| 300 | 3 | 277 | 12.8 | 12.7 | -1.6 | | 273 | 7.7 | 7.7 | -.4 | | 282 | 8.3 | 8.1 | -1.8 | | 239 | 6.8 | 5.8 | 3.5 | 9654 |
| 325 | | 284 | 13.9 | 13.5 | -3.3 | | 285 | 11.6 | 11.3 | -3.0 | | 312 | 11.6 | 8.6 | -7.8 | | 291 | 8.3 | 7.8 | -3.0 | 9084 |
| 350 | | 272 | 12.6 | 12.5 | -.4 | | 280 | 9.7 | 9.6 | -1.6 | | 315 | 12.6 | 8.9 | -8.9 | | 324 | 10.9 | 6.4 | -8.8 | 8546 |
| 375 | | 225 | 11.0 | 7.8 | 7.7 | | 236 | 4.8 | 4.0 | 2.7 | | 320 | 7.3 | 4.6 | -5.6 | | 328 | 9.8 | 5.2 | -8.3 | 8039 |
| 400 | | 273 | 5.7 | 5.7 | -.3 | | 318 | 5.9 | 4.0 | -4.4 | | 27 | 4.2 | -1.9 | -3.7 | | 348 | 6.8 | 1.4 | -6.7 | 7557 |
| 425 | | 308 | 9.3 | 7.4 | -5.7 | | 331 | 11.1 | 5.5 | -9.7 | | 353 | 7.3 | .9 | -7.2 | | 346 | 7.2 | 1.7 | -7.0 | 7099 |
| 450 | | 309 | 9.3 | 7.2 | -5.8 | | 327 | 13.8 | 7.4 | -11.6 | | 328 | 9.2 | 4.8 | -7.9 | | 336 | 7.7 | 3.1 | -7.1 | 6662 |
| 475 | | 338 | 6.0 | 2.3 | -5.5 | | 337 | 8.7 | 3.4 | -8.0 | | 335 | 3.9 | 1.6 | -3.5 | | 343 | 2.5 | .7 | -2.4 | 6244 |
| 500 | | 81 | 4.2 | -4.1 | -.6 | | 32 | 4.1 | -2.2 | -3.5 | | 115 | 5.0 | -4.5 | 2.1 | | 135 | 3.3 | -2.3 | 2.3 | 5844 |
| 525 | | 101 | 5.9 | -5.8 | 1.1 | | 66 | 4.0 | -3.6 | -1.6 | | 117 | 8.2 | -7.3 | 3.7 | | 141 | 6.7 | -4.2 | 5.2 | 5460 |
| 550 | | 101 | 5.2 | -5.1 | 1.0 | | 85 | 3.7 | -3.7 | -.3 | | 105 | 8.5 | -8.2 | 2.3 | | 143 | 8.0 | -4.8 | 6.4 | 5091 |
| 575 | | 99 | 2.6 | -2.6 | .4 | | 87 | 3.0 | -3.0 | -.2 | | 104 | 9.6 | -9.3 | 2.4 | | 139 | 11.1 | -7.3 | 8.3 | 4736 |
| 600 | | 100 | 5.0 | -4.9 | .8 | | 85 | 5.0 | -4.9 | -.4 | | 111 | 8.9 | -8.3 | 3.1 | | 131 | 12.2 | -9.2 | 8.0 | 4393 |
| 625 | | 104 | 8.6 | -8.4 | 2.1 | | 104 | 8.3 | -8.0 | 1.9 | | 122 | 7.3 | -6.2 | 3.8 | | 134 | 10.2 | -7.3 | 7.1 | 4062 |
| 650 | | 115 | 7.6 | -6.9 | 3.2 | | 107 | 11.4 | -10.9 | 3.3 | | 123 | 9.6 | -8.0 | 5.2 | | 135 | 9.2 | -6.5 | 6.5 | 3742 |
| 675 | | 116 | 6.5 | -5.9 | 2.8 | | 113 | 11.1 | -10.2 | 4.4 | | 127 | 10.6 | -8.4 | 6.4 | | 132 | 8.8 | -6.5 | 6.0 | 3431 |
| 700 | | 103 | 7.8 | -7.6 | 1.7 | | 120 | 10.8 | -9.3 | 5.4 | | 129 | 8.6 | -6.8 | 5.4 | | 125 | 8.3 | -6.8 | 4.7 | 3130 |
| 725 | | 103 | 9.3 | -9.1 | 2.2 | | 108 | 10.4 | -9.9 | 3.2 | | 123 | 8.4 | -7.1 | 4.5 | | 110 | 8.9 | -8.3 | 3.0 | 2837 |
| 750 | | 108 | 8.8 | -8.4 | 2.6 | | 111 | 9.4 | -8.7 | 3.4 | | 122 | 8.6 | -7.3 | 4.6 | | 104 | 9.4 | -9.1 | 2.3 | 2553 |
| 775 | | 107 | 7.9 | -7.5 | 2.3 | | 111 | 8.7 | -8.1 | 3.2 | | 124 | 7.6 | -6.3 | 4.2 | | 107 | 9.9 | -9.5 | 2.8 | 2276 |
| 800 | | 97 | 8.2 | -8.1 | 1.0 | | 102 | 9.2 | -9.0 | 1.9 | | 120 | 6.9 | -6.0 | 3.5 | | 107 | 11.2 | -10.7 | 3.2 | 2007 |
| 825 | | 93 | 8.0 | -8.0 | .4 | | 107 | 9.7 | -9.3 | 2.8 | | 114 | 7.6 | -6.9 | 3.1 | | 102 | 11.7 | -11.5 | 2.3 | 1745 |
| 850 | | 93 | 7.5 | -7.5 | .4 | | 110 | 9.8 | -9.2 | 3.3 | | 111 | 8.9 | -8.3 | 3.2 | | 99 | 11.2 | -11.1 | 1.7 | 1490 |
| 875 | | 92 | 8.8 | -8.8 | .3 | | 106 | 9.9 | -9.5 | 2.8 | | 107 | 9.6 | -9.2 | 2.8 | | 101 | 11.1 | -10.9 | 2.1 | 1242 |
| 900 | | 90 | 10.4 | -10.4 | .1 | | 106 | 10.5 | -10.1 | 3.0 | | 102 | 9.8 | -9.6 | 2.0 | | 104 | 11.8 | -11.4 | 2.8 | 999 |
| 925 | | 86 | 10.8 | -10.7 | -.7 | | 108 | 10.9 | -10.3 | 3.3 | | 100 | 9.9 | -9.8 | 1.8 | | 105 | 12.2 | -11.8 | 3.3 | 762 |
| 950 | | 80 | 10.3 | -10.1 | -1.8 | | 108 | 10.9 | -10.4 | 3.3 | | 104 | 9.7 | -9.4 | 2.3 | | 106 | 11.4 | -11.0 | 3.2 | 529 |
| 975 | | 73 | 9.3 | -8.9 | -2.7 | | 108 | 10.9 | -10.4 | 3.4 | | 107 | 8.9 | -8.5 | 2.6 | | 106 | 8.7 | -8.3 | 2.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/ 6 2349 GMT | | | | 4/ 7 416 GMT | | | | 4/ 7 659 GMT | | | | 4/ 7 915 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 262 | 21.7 | 21.5 | 2.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 250 | 17.2 | 16.1 | 6.0 | 0 0 | 0.0 | 0.0 | 0.0 | 259 | 22.5 | 22.1 | 4.5 | 267 | 23.1 | 23.1 | 1.2 | 18589 |
| 80 | 258 | 16.2 | 15.9 | 3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 255 | 21.3 | 20.5 | 5.6 | 256 | 21.7 | 21.1 | 5.4 | 17801 |
| 90 | 253 | 3.8 | 3.7 | 1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 232 | 13.1 | 10.4 | 8.0 | 237 | 14.5 | 12.2 | 7.9 | 17121 |
| 100 | 314 | 16.3 | 11.7 | -11.3 | 0 0 | 0.0 | 0.0 | 0.0 | 319 | 12.9 | 8.4 | -9.8 | 309 | 9.1 | 7.1 | -5.7 | 16521 |
| 110 | 305 | 15.0 | 12.3 | -8.6 | 0 0 | 0.0 | 0.0 | 0.0 | 307 | 16.2 | 13.0 | -9.6 | 314 | 16.8 | 12.0 | -11.7 | 15978 |
| 120 | 260 | 16.8 | 16.5 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 291 | 13.1 | 12.2 | -4.8 | 287 | 12.1 | 11.6 | -3.5 | 15479 |
| 130 | 247 | 17.2 | 15.9 | 6.6 | 0 0 | 0.0 | 0.0 | 0.0 | 3 257 | 14.1 | 13.8 | 3.2 | 260 | 13.7 | 13.5 | 2.3 | 15014 |
| 140 | 239 | 16.0 | 13.7 | 8.2 | 0 0 | 0.0 | 0.0 | 0.0 | 233 | 11.1 | 8.9 | 6.6 | 247 | 12.0 | 11.1 | 4.6 | 14578 |
| 150 | 228 | 15.3 | 11.4 | 10.3 | 0 0 | 0.0 | 0.0 | 0.0 | 216 | 14.3 | 8.3 | 11.6 | 231 | 10.4 | 8.1 | 6.6 | 14167 |
| 160 | 218 | 13.3 | 8.3 | 10.4 | 0 0 | 0.0 | 0.0 | 0.0 | 219 | 17.9 | 11.3 | 13.9 | 217 | 14.2 | 8.5 | 11.4 | 13776 |
| 170 | 214 | 12.2 | 6.9 | 10.0 | 0 0 | 0.0 | 0.0 | 0.0 | 217 | 18.7 | 11.3 | 14.9 | 223 | 17.4 | 11.9 | 12.7 | 13404 |
| 180 | 212 | 12.9 | 6.9 | 11.0 | 0 0 | 0.0 | 0.0 | 0.0 | 217 | 15.8 | 9.5 | 12.6 | 219 | 16.9 | 10.6 | 13.2 | 13049 |
| 190 | 215 | 14.1 | 8.1 | 11.5 | 0 0 | 0.0 | 0.0 | 0.0 | 220 | 12.6 | 8.0 | 9.7 | 216 | 14.3 | 8.3 | 11.6 | 12709 |
| 200 | 223 | 15.8 | 10.8 | 11.6 | 0 0 | 0.0 | 0.0 | 0.0 | 198 | 13.3 | 4.0 | 12.6 | 209 | 12.2 | 6.0 | 10.7 | 12383 |
| 225 | 220 | 15.2 | 9.7 | 11.7 | 0 0 | 0.0 | 0.0 | 0.0 | 195 | 15.2 | 3.9 | 14.7 | 3 196 | 14.8 | 4.0 | 14.2 | 11617 |
| 250 | 211 | 12.5 | 6.5 | 10.7 | 0 0 | 0.0 | 0.0 | 0.0 | 204 | 12.3 | 5.0 | 11.3 | 204 | 13.3 | 5.4 | 12.1 | 10914 |
| 275 | 209 | 12.2 | 5.9 | 10.7 | 0 0 | 0.0 | 0.0 | 0.0 | 207 | 9.8 | 4.5 | 8.7 | 213 | 11.2 | 6.0 | 9.4 | 10262 |
| 300 | 229 | 8.2 | 6.2 | 5.4 | 0 0 | 0.0 | 0.0 | 0.0 | 214 | 10.2 | 5.7 | 8.5 | 201 | 9.7 | 3.5 | 9.1 | 9654 |
| 325 | 262 | 7.9 | 7.9 | 1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 265 | 7.7 | 7.7 | .7 | 251 | 8.3 | 7.9 | 2.6 | 9084 |
| 350 | 284 | 9.8 | 9.5 | -2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 284 | 9.1 | 8.8 | -2.2 | 278 | 10.0 | 10.0 | -1.3 | 8546 |
| 375 | 310 | 9.6 | 7.3 | -6.2 | 0 0 | 0.0 | 0.0 | 0.0 | 280 | 6.9 | 6.8 | -1.2 | 293 | 9.4 | 8.6 | -3.7 | 8039 |
| 400 | 344 | 4.2 | 1.2 | -4.1 | 0 0 | 0.0 | 0.0 | 0.0 | 312 | 4.4 | 3.3 | -2.9 | 292 | 4.1 | 3.8 | -1.6 | 7557 |
| 425 | 106 | 4.9 | -4.7 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 27 | 1.4 | -.6 | -1.2 | 3 30 | 1.7 | -.8 | -1.4 | 7099 |
| 450 | 88 | 4.5 | -4.5 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 1 | 1.7 | -.0 | -1.7 | 2 29 | 2.1 | -1.0 | -1.9 | 6662 |
| 475 | 47 | 6.5 | -4.8 | -4.4 | 0 0 | 0.0 | 0.0 | 0.0 | 357 | 8.5 | .4 | -8.4 | 354 | 7.2 | .7 | -7.2 | 6244 |
| 500 | 71 | 3.7 | -3.5 | -1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 5 | 5.2 | -.4 | -5.2 | 13 | 5.4 | -1.2 | -5.2 | 5844 |
| 525 | 132 | 4.6 | -3.4 | 3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 111 | 1.0 | -.9 | .4 | 75 | 3.1 | -3.0 | -.8 | 5460 |
| 550 | 133 | 9.5 | -6.9 | 6.5 | 0 0 | 0.0 | 0.0 | 0.0 | 110 | 4.9 | -4.6 | 1.7 | 105 | 4.3 | -4.1 | 1.1 | 5091 |
| 575 | 130 | 10.8 | -8.2 | 7.0 | 0 0 | 0.0 | 0.0 | 0.0 | 134 | 5.5 | -3.9 | 3.8 | 143 | 4.7 | -2.9 | 3.8 | 4736 |
| 600 | 127 | 10.6 | -8.5 | 6.4 | 0 0 | 0.0 | 0.0 | 0.0 | 131 | 6.7 | -5.0 | 4.4 | 121 | 7.1 | -6.1 | 3.7 | 4393 |
| 625 | 134 | 9.8 | -7.0 | 6.9 | 0 0 | 0.0 | 0.0 | 0.0 | 119 | 10.0 | -8.8 | 4.8 | 114 | 9.3 | -8.5 | 3.8 | 4062 |
| 650 | 133 | 8.9 | -6.5 | 6.1 | 0 0 | 0.0 | 0.0 | 0.0 | 122 | 7.8 | -6.7 | 4.2 | 121 | 8.9 | -7.6 | 4.6 | 3742 |
| 675 | 122 | 8.8 | -7.4 | 4.7 | 0 0 | 0.0 | 0.0 | 0.0 | 112 | 10.9 | -10.1 | 4.2 | 117 | 12.0 | -10.7 | 5.4 | 3431 |
| 700 | 119 | 8.8 | -7.7 | 4.2 | 0 0 | 0.0 | 0.0 | 0.0 | 117 | 14.2 | -12.6 | 6.5 | 119 | 12.6 | -11.0 | 6.1 | 3130 |
| 725 | 113 | 7.8 | -7.2 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 124 | 11.7 | -9.8 | 6.5 | 118 | 9.7 | -8.5 | 4.5 | 2837 |
| 750 | 104 | 9.1 | -8.9 | 2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 113 | 8.6 | -7.9 | 3.4 | 107 | 10.8 | -10.3 | 3.2 | 2553 |
| 775 | 97 | 10.3 | -10.2 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 98 | 10.2 | -10.1 | 1.4 | 3 104 | 14.5 | -14.0 | 3.6 | 2276 |
| 800 | 94 | 10.4 | -10.3 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 91 | 12.1 | -12.1 | .3 | 2 99 | 14.7 | -14.5 | 2.4 | 2007 |
| 825 | 94 | 10.3 | -10.3 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 87 | 13.2 | -13.2 | -.7 | 90 | 13.0 | -13.0 | .1 | 1745 |
| 850 | 98 | 10.8 | -10.7 | 1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 86 | 13.5 | -13.5 | -.9 | 88 | 12.5 | -12.5 | -.4 | 1490 |
| 875 | 101 | 11.5 | -11.3 | 2.1 | 90 | 12.0 | -12.0 | -.0 | 86 | 13.0 | -13.0 | -.9 | 89 | 12.8 | -12.8 | -.2 | 1242 |
| 900 | 101 | 11.1 | -10.9 | 2.1 | 87 | 11.4 | -11.4 | -.5 | 84 | 12.3 | -12.2 | -1.4 | 84 | 13.1 | -13.0 | -1.3 | 999 |
| 925 | 100 | 10.2 | -10.1 | 1.8 | 86 | 10.1 | -10.1 | -.6 | 81 | 11.8 | -11.7 | -1.8 | 78 | 13.4 | -13.1 | -2.7 | 762 |
| 950 | 99 | 9.7 | -9.6 | 1.4 | 79 | 9.1 | -9.0 | -1.8 | 80 | 11.8 | -11.6 | -2.1 | 75 | 12.8 | -12.4 | -3.2 | 529 |
| 975 | 94 | 7.8 | -7.8 | .5 | 71 | 10.3 | -9.8 | -3.3 | 77 | 12.1 | -11.8 | -2.7 | 75 | 10.6 | -10.3 | -2.7 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/ 7 1138 GMT | | | | 4/ 7 1814 GMT | | | | 4/ 8 051 GMT | | | | 4/ 8 545 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 262 | 15.0 | 14.9 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 245 | 15.5 | 14.1 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 273 | 22.6 | 22.6 | -1.2 | | 278 | 18.2 | 18.0 | -2.7 | | 263 | 20.0 | 19.8 | 2.5 | | 261 | 21.1 | 20.8 | 3.1 | 18589 |
| 80 | | 267 | 22.8 | 22.8 | 1.3 | | 279 | 21.0 | 20.7 | -3.2 | | 288 | 14.3 | 13.5 | -4.5 | | 281 | 18.7 | 18.4 | -3.4 | 17801 |
| 90 | | 242 | 13.9 | 12.3 | 6.4 | | 248 | 12.9 | 12.0 | 4.8 | | 278 | 17.0 | 16.8 | -2.3 | | 288 | 17.9 | 17.0 | -5.6 | 17121 |
| 100 | | 291 | 12.0 | 11.2 | -4.2 | | 281 | 15.0 | 14.8 | -2.8 | | 287 | 17.0 | 16.3 | -5.1 | | 304 | 17.5 | 14.4 | -9.8 | 16521 |
| 110 | | 298 | 14.7 | 13.0 | -6.8 | | 285 | 14.6 | 14.1 | -3.8 | | 297 | 22.8 | 20.3 | -10.4 | | 288 | 18.1 | 17.3 | -5.5 | 15978 |
| 120 | | 276 | 13.6 | 13.5 | -1.4 | | 283 | 16.0 | 15.6 | -3.7 | | 274 | 18.3 | 18.2 | -1.1 | | 242 | 15.7 | 13.9 | 7.3 | 15479 |
| 130 | | 256 | 15.0 | 14.6 | 3.7 | | 269 | 16.7 | 16.7 | .4 | | 242 | 15.7 | 13.9 | 7.3 | | 216 | 16.6 | 9.8 | 13.4 | 15014 |
| 140 | | 241 | 14.1 | 12.4 | 6.9 | | 257 | 11.8 | 11.5 | 2.6 | | 227 | 11.3 | 8.2 | 7.8 | | 216 | 15.6 | 9.1 | 12.6 | 14578 |
| 150 | | 230 | 13.7 | 10.5 | 8.8 | | 225 | 10.6 | 7.4 | 7.5 | | 212 | 11.9 | 6.3 | 10.1 | | 201 | 14.0 | 4.9 | 13.1 | 14167 |
| 160 | | 221 | 12.5 | 8.2 | 9.4 | | 209 | 10.0 | 4.9 | 8.7 | | 207 | 12.3 | 5.5 | 10.9 | | 190 | 20.8 | 3.7 | 20.5 | 13776 |
| 170 | | 221 | 13.8 | 9.0 | 10.4 | | 194 | 9.7 | 2.4 | 9.4 | | 187 | 16.4 | 1.9 | 16.3 | | 188 | 22.0 | 2.9 | 21.8 | 13404 |
| 180 | | 226 | 17.0 | 12.3 | 11.7 | | 186 | 10.1 | 1.1 | 10.1 | | 180 | 20.7 | -.1 | 20.7 | | 193 | 16.7 | 3.6 | 16.3 | 13049 |
| 190 | | 226 | 18.2 | 13.2 | 12.6 | | 185 | 12.6 | 1.1 | 12.5 | | 186 | 18.1 | 1.8 | 18.0 | | 206 | 14.5 | 6.3 | 13.0 | 12709 |
| 200 | | 222 | 15.5 | 10.4 | 11.4 | | 187 | 15.3 | 1.9 | 15.2 | | 203 | 15.5 | 6.0 | 14.3 | | 227 | 14.2 | 10.4 | 9.6 | 12383 |
| 225 | | 210 | 11.7 | 5.8 | 10.1 | | 197 | 11.3 | 3.3 | 10.8 | | 210 | 17.5 | 8.6 | 15.2 | | 218 | 14.7 | 9.1 | 11.5 | 11617 |
| 250 | | 210 | 10.9 | 5.4 | 9.5 | | 238 | 11.4 | 9.7 | 6.0 | | 209 | 10.9 | 5.4 | 9.5 | | 203 | 16.5 | 6.4 | 15.3 | 10914 |
| 275 | | 204 | 12.8 | 5.3 | 11.7 | | 227 | 6.9 | 5.1 | 4.8 | | 236 | 8.4 | 6.9 | 4.7 | | 205 | 10.8 | 4.6 | 9.7 | 10262 |
| 300 | | 186 | 11.0 | 1.1 | 11.0 | | 225 | 8.0 | 5.7 | 5.7 | | 233 | 7.8 | 6.2 | 4.7 | | 226 | 8.0 | 5.7 | 5.6 | 9654 |
| 325 | | 241 | 8.7 | 7.7 | 4.2 | | 220 | 8.1 | 5.2 | 6.2 | | 224 | 7.8 | 5.4 | 5.6 | | 238 | 9.2 | 7.8 | 4.8 | 9084 |
| 350 | | 277 | 9.0 | 8.9 | -1.1 | | 269 | 9.0 | 9.0 | .2 | | 250 | 6.8 | 6.4 | 2.3 | | 258 | 9.1 | 8.9 | 1.9 | 8546 |
| 375 | | 294 | 7.0 | 6.3 | -2.9 | | 281 | 12.5 | 12.3 | -2.4 | | 287 | 12.7 | 12.1 | -3.6 | | 277 | 12.5 | 12.4 | -1.5 | 8039 |
| 400 | | 294 | 3.8 | 3.5 | -1.6 | | 322 | 5.9 | 3.6 | -4.6 | | 289 | 11.8 | 11.2 | -3.8 | | 288 | 15.5 | 14.7 | -4.8 | 7557 |
| 425 | | 75 | 2.2 | -2.1 | -.6 | | 341 | 4.0 | 1.3 | -3.8 | | 318 | 6.8 | 4.6 | -5.0 | | 295 | 12.9 | 11.7 | -5.6 | 7099 |
| 450 | | 8 | 4.7 | -.6 | -4.6 | | 38 | 5.2 | -3.2 | -4.1 | | 332 | 7.0 | 3.3 | -6.2 | | 307 | 8.1 | 6.5 | -4.8 | 6662 |
| 475 | | 360 | 9.2 | .0 | -9.2 | | 48 | 4.0 | -3.0 | -2.7 | | 7 | 5.9 | -.8 | -5.8 | | 339 | 5.4 | 2.0 | -5.0 | 6244 |
| 500 | | 22 | 4.8 | -1.8 | -4.5 | | 97 | 4.4 | -4.4 | .6 | | 15 | 3.8 | -1.0 | -3.6 | | 332 | 5.5 | 2.6 | -4.8 | 5844 |
| 525 | | 45 | 3.2 | -2.2 | -2.2 | | 48 | 3.9 | -2.9 | -2.6 | | 101 | 3.0 | -3.0 | .6 | | 66 | 2.8 | -2.6 | -1.1 | 5460 |
| 550 | | 113 | 4.2 | -3.8 | 1.6 | | 68 | 2.4 | -2.2 | -.9 | | 100 | 6.0 | -5.9 | 1.1 | | 112 | 4.5 | -4.2 | 1.7 | 5091 |
| 575 | | 129 | 4.9 | -3.8 | 3.1 | | 96 | 5.2 | -5.2 | .5 | | 121 | 4.0 | -3.4 | 2.1 | | 118 | 5.3 | -4.7 | 2.5 | 4736 |
| 600 | | 106 | 7.8 | -7.5 | 2.2 | | 108 | 6.6 | -6.3 | 2.0 | | 118 | 7.0 | -6.2 | 3.3 | | 130 | 7.1 | -5.4 | 4.6 | 4393 |
| 625 | | 115 | 7.7 | -7.0 | 3.2 | | 117 | 8.1 | -7.3 | 3.7 | | 109 | 9.8 | -9.2 | 3.2 | | 121 | 8.6 | -7.4 | 4.4 | 4062 |
| 650 | | 122 | 9.2 | -7.8 | 4.9 | | 118 | 11.1 | -9.8 | 5.3 | | 111 | 9.8 | -9.1 | 3.6 | | 114 | 10.2 | -9.3 | 4.1 | 3742 |
| 675 | | 120 | 12.6 | -10.9 | 6.3 | | 119 | 13.3 | -11.6 | 6.4 | | 125 | 8.2 | -6.7 | 4.7 | | 116 | 9.2 | -8.3 | 4.1 | 3431 |
| 700 | | 121 | 11.3 | -9.8 | 5.8 | | 114 | 12.2 | -11.2 | 4.9 | | 128 | 11.0 | -8.7 | 6.8 | | 113 | 13.6 | -12.5 | 5.4 | 3130 |
| 725 | | 110 | 9.9 | -9.3 | 3.5 | | 117 | 13.2 | -11.8 | 6.0 | | 101 | 15.3 | -15.0 | 3.0 | | 111 | 16.1 | -15.0 | 5.9 | 2837 |
| 750 | | 107 | 11.6 | -11.1 | 3.3 | | 116 | 13.0 | -11.7 | 5.7 | | 95 | 14.8 | -14.8 | 1.2 | | 105 | 14.2 | -13.7 | 3.6 | 2553 |
| 775 | | 106 | 13.0 | -12.5 | 3.6 | | 108 | 12.2 | -11.7 | 3.7 | | 91 | 13.5 | -13.5 | .2 | | 95 | 12.6 | -12.6 | 1.0 | 2276 |
| 800 | | 103 | 12.6 | -12.3 | 2.8 | | 102 | 12.6 | -12.3 | 2.5 | | 88 | 12.4 | -12.4 | -.4 | | 91 | 14.7 | -14.7 | .2 | 2007 |
| 825 | | 99 | 10.7 | -10.6 | 1.7 | | 100 | 13.5 | -13.3 | 2.3 | | 88 | 12.7 | -12.7 | -.3 | | 90 | 16.8 | -16.8 | .1 | 1745 |
| 850 | | 91 | 10.9 | -10.9 | .3 | | 97 | 14.3 | -14.2 | 1.6 | | 88 | 13.7 | -13.6 | -.4 | | 87 | 16.2 | -16.2 | -.8 | 1490 |
| 875 | | 87 | 12.7 | -12.7 | -.6 | | 93 | 15.3 | -15.2 | .9 | | 87 | 13.4 | -13.3 | -.6 | | 84 | 13.8 | -13.8 | -1.5 | 1242 |
| 900 | | 86 | 14.1 | -14.0 | -1.0 | | 93 | 15.2 | -15.2 | .8 | | 85 | 11.8 | -11.7 | -1.0 | | 83 | 12.7 | -12.6 | -1.5 | 999 |
| 925 | | 86 | 14.8 | -14.8 | -1.1 | | 92 | 13.6 | -13.6 | .6 | | 82 | 10.0 | -9.9 | -1.3 | | 79 | 13.6 | -13.4 | -2.5 | 762 |
| 950 | | 86 | 14.1 | -14.0 | -.9 | | 88 | 11.8 | -11.8 | -.4 | | 79 | 8.5 | -8.3 | -1.6 | | 73 | 12.7 | -12.1 | -3.6 | 529 |
| 975 | | 85 | 11.5 | -11.5 | -1.0 | | 86 | 10.3 | -10.2 | -.7 | | 77 | 8.0 | -7.8 | -1.7 | | 71 | 9.5 | -9.0 | -3.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | I | 4/ 8 1138 GMT DD | FF | U | V | I | 4/ 8 1714 GMT DD | FF | U | V | I | 4/ 8 1920 GMT DD | FF | U | V | I | 4/ 8 2240 GMT DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | | 263 | 17.6 | 17.5 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 19.4 | 18.1 | -7.0 | 19517 |
| 70 | | 264 | 22.0 | 21.8 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 22.0 | 22.0 | .6 | | 258 | 19.9 | 19.5 | 4.0 | 18589 |
| 80 | | 267 | 18.6 | 18.6 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 17.4 | 16.8 | -4.5 | | 269 | 19.0 | 19.0 | .4 | 17801 |
| 90 | | 286 | 17.4 | 16.7 | -4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 14.5 | 13.1 | -6.3 | | 295 | 17.2 | 15.6 | -7.4 | 17121 |
| 100 | | 305 | 17.0 | 13.9 | -9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 329 | 16.3 | 8.5 | -13.9 | | 316 | 13.8 | 9.6 | -9.9 | 16521 |
| 110 | | 289 | 17.5 | 16.5 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 309 | 18.5 | 14.4 | -11.6 | | 298 | 19.5 | 17.3 | -9.1 | 15978 |
| 120 | | 240 | 15.2 | 13.1 | 7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 12.2 | 12.1 | -1.5 | | 269 | 16.3 | 16.3 | .2 | 15479 |
| 130 | | 206 | 20.4 | 9.1 | 18.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 238 | 13.5 | 11.5 | 7.2 | | 243 | 14.4 | 12.9 | 6.5 | 15014 |
| 140 | | 204 | 22.2 | 8.9 | 20.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 220 | 17.8 | 11.4 | 13.6 | | 241 | 14.7 | 12.9 | 7.1 | 14578 |
| 150 | | 205 | 21.6 | 9.2 | 19.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 214 | 19.2 | 10.8 | 15.9 | | 225 | 14.7 | 10.3 | 10.4 | 14167 |
| 160 | | 210 | 18.4 | 9.2 | 16.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 204 | 21.9 | 9.0 | 19.9 | | 202 | 15.2 | 5.7 | 14.1 | 13776 |
| 170 | | 216 | 14.6 | 8.5 | 11.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 200 | 22.5 | 7.9 | 21.1 | | 206 | 18.1 | 8.1 | 16.2 | 13404 |
| 180 | | 214 | 14.6 | 8.2 | 12.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 201 | 21.8 | 8.0 | 20.3 | | 212 | 17.3 | 9.0 | 14.7 | 13049 |
| 190 | | 217 | 16.4 | 9.9 | 13.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 207 | 21.6 | 9.8 | 19.3 | | 209 | 14.0 | 6.8 | 12.3 | 12709 |
| 200 | | 226 | 17.7 | 12.7 | 12.3 | | 209 | 22.0 | 10.6 | 19.3 | | 214 | 19.0 | 10.6 | 15.8 | | 205 | 11.7 | 5.0 | 10.5 | 12383 |
| 225 | | 234 | 15.7 | 12.8 | 9.2 | | 220 | 18.6 | 12.0 | 14.3 | | 231 | 14.5 | 11.2 | 9.2 | | 228 | 12.7 | 9.4 | 8.5 | 11617 |
| 250 | | 221 | 14.9 | 9.8 | 11.2 | | 227 | 16.0 | 11.6 | 11.0 | | 239 | 11.9 | 10.2 | 6.2 | | 251 | 9.6 | 9.1 | 3.1 | 10914 |
| 275 | | 218 | 15.8 | 9.6 | 12.5 | | 219 | 13.3 | 8.3 | 10.4 | | 237 | 9.7 | 8.2 | 5.3 | | 257 | 3.8 | 3.7 | .9 | 10262 |
| 300 | | 219 | 10.0 | 6.3 | 7.7 | | 241 | 10.8 | 9.4 | 5.2 | | 219 | 10.6 | 6.7 | 8.2 | | 235 | 4.3 | 3.5 | 2.4 | 9654 |
| 325 | | 254 | 10.2 | 9.8 | 2.7 | | 246 | 9.9 | 9.0 | 4.1 | | 232 | 9.7 | 7.6 | 5.9 | | 240 | 4.3 | 3.8 | 2.2 | 9084 |
| 350 | | 277 | 12.7 | 12.6 | -1.5 | | 250 | 7.4 | 7.0 | 2.5 | | 268 | 14.2 | 14.2 | .4 | | 272 | 5.0 | 5.0 | -.2 | 8546 |
| 375 | | 295 | 14.8 | 13.4 | -6.2 | | 264 | 4.1 | 4.1 | .4 | | 294 | 14.3 | 13.1 | -5.8 | | 290 | 6.5 | 6.1 | -2.2 | 8039 |
| 400 | | 299 | 19.5 | 17.1 | -9.5 | | 295 | 7.3 | 6.6 | -3.0 | | 306 | 11.2 | 9.1 | -6.6 | | 280 | 4.5 | 4.5 | -.8 | 7557 |
| 425 | | 295 | 16.2 | 14.7 | -6.9 | | 293 | 10.3 | 9.4 | -4.1 | | 307 | 11.2 | 9.0 | -6.7 | | 289 | 5.0 | 4.8 | -1.6 | 7099 |
| 450 | | 293 | 10.7 | 9.8 | -4.2 | | 279 | 4.2 | 4.2 | -.7 | | 312 | 11.5 | 8.6 | -7.7 | | 274 | 8.6 | 8.6 | -.6 | 6662 |
| 475 | | 310 | 7.1 | 5.4 | -4.6 | | 224 | 3.1 | 2.1 | 2.2 | | 299 | 6.0 | 5.3 | -2.9 | | 274 | 13.8 | 13.7 | -1.0 | 6244 |
| 500 | | 327 | 3.7 | 2.0 | -3.1 | | 192 | 7.4 | 1.6 | 7.2 | | 312 | 4.2 | 3.1 | -2.9 | | 283 | 13.6 | 13.3 | -3.0 | 5844 |
| 525 | | 137 | 1.2 | -.8 | .9 | | 165 | 10.0 | -2.5 | 9.7 | | 65 | 3.7 | -3.4 | -1.5 | | 277 | 6.5 | 6.4 | -.8 | 5460 |
| 550 | | 143 | 4.6 | -2.8 | 3.7 | | 138 | 10.3 | -6.9 | 7.7 | | 110 | 9.1 | -8.5 | 3.1 | | 195 | 3.1 | .8 | 3.0 | 5091 |
| 575 | | 155 | 5.4 | -2.3 | 4.9 | | 128 | 10.1 | -7.9 | 6.3 | | 111 | 9.0 | -8.4 | 3.2 | | 187 | 4.7 | .5 | 4.6 | 4736 |
| 600 | | 159 | 6.2 | -2.2 | 5.8 | | 133 | 11.7 | -8.5 | 8.0 | | 99 | 8.5 | -8.3 | 1.4 | | 188 | 6.4 | .9 | 6.4 | 4393 |
| 625 | | 148 | 8.2 | -4.3 | 7.0 | | 143 | 11.8 | -7.2 | 9.4 | | 111 | 7.5 | -7.0 | 2.7 | | 202 | 6.7 | 2.5 | 6.2 | 4062 |
| 650 | | 133 | 10.0 | -7.3 | 6.8 | | 153 | 11.3 | -5.1 | 10.1 | | 152 | 9.3 | -4.4 | 8.2 | | 197 | 5.6 | 1.6 | 5.4 | 3742 |
| 675 | 3 | 131 | 8.9 | -6.7 | 5.8 | | 146 | 8.9 | -5.0 | 7.4 | | 163 | 14.6 | -4.2 | 14.0 | | 186 | 4.2 | .4 | 4.2 | 3431 |
| 700 | 3 | 122 | 10.3 | -8.7 | 5.5 | | 135 | 6.6 | -4.7 | 4.7 | | 164 | 14.0 | -3.8 | 13.5 | | 167 | 1.3 | -.3 | 1.2 | 3130 |
| 725 | | 114 | 12.5 | -11.4 | 5.1 | | 130 | 5.8 | -4.4 | 3.8 | | 151 | 12.8 | -6.3 | 11.2 | | 95 | 4.4 | -4.4 | .4 | 2837 |
| 750 | | 102 | 12.9 | -12.7 | 2.7 | | 110 | 6.4 | -6.0 | 2.2 | | 132 | 12.9 | -9.6 | 8.7 | | 124 | 2.3 | -1.9 | 1.3 | 2553 |
| 775 | | 101 | 12.9 | -12.6 | 2.4 | | 101 | 7.5 | -7.3 | 1.4 | | 110 | 11.1 | -10.4 | 3.8 | | 98 | 6.1 | -6.1 | .8 | 2276 |
| 800 | | 97 | 13.2 | -13.1 | 1.7 | | 90 | 10.3 | -10.3 | -.1 | | 105 | 11.3 | -11.0 | 2.9 | | 89 | 11.4 | -11.4 | -.3 | 2007 |
| 825 | | 87 | 13.4 | -13.4 | -.6 | | 85 | 14.1 | -14.0 | -1.3 | | 103 | 12.3 | -12.0 | 2.8 | | 90 | 9.6 | -9.6 | -.1 | 1745 |
| 850 | | 84 | 12.9 | -12.8 | -1.3 | | 85 | 15.6 | -15.5 | -1.5 | | 96 | 12.7 | -12.7 | 1.2 | | 94 | 9.8 | -9.8 | .7 | 1490 |
| 875 | | 84 | 14.6 | -14.6 | -1.6 | | 87 | 14.9 | -14.9 | -.8 | | 90 | 12.5 | -12.5 | .0 | | 95 | 12.1 | -12.1 | 1.1 | 1242 |
| 900 | | 83 | 16.6 | -16.5 | -2.0 | | 84 | 14.2 | -14.1 | -1.4 | | 90 | 12.2 | -12.2 | -.1 | | 89 | 12.6 | -12.6 | -.2 | 999 |
| 925 | | 84 | 15.2 | -15.1 | -1.6 | | 72 | 14.9 | -14.1 | -4.6 | | 91 | 12.0 | -12.0 | .1 | | 86 | 12.6 | -12.5 | -.9 | 762 |
| 950 | | 86 | 13.1 | -13.0 | -1.0 | | 75 | 14.4 | -13.9 | -3.8 | | 92 | 12.2 | -12.2 | .5 | | 91 | 13.4 | -13.4 | .3 | 529 |
| 975 | | 82 | 12.1 | -12.0 | -1.7 | | 110 | 13.7 | -12.8 | 4.7 | | 94 | 10.3 | -10.3 | .8 | | 94 | 10.3 | -10.2 | .7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/ 9 136 GMT | | | | 4/ 9 522 GMT | | | | 4/ 9 1115 GMT | | | | 4/ 9 1810 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 17.4 | 16.4 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 24.1 | 24.0 | 2.2 | | 270 | 18.4 | 18.4 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 17.4 | 17.3 | 1.2 | | 263 | 19.4 | 19.3 | 2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 14.4 | 14.4 | .9 | | 282 | 15.2 | 14.9 | -3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 336 | 15.0 | 6.0 | -13.7 | | 335 | 18.8 | 8.0 | -17.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 317 | 20.7 | 14.2 | -15.0 | | 315 | 19.7 | 14.1 | -13.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 17.4 | 17.1 | -2.9 | | 284 | 19.6 | 19.0 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 16.1 | 16.0 | -.9 | | 278 | 17.9 | 17.8 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 15.0 | 15.0 | -.0 | | 278 | 16.2 | 16.0 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 241 | 14.6 | 12.8 | 7.2 | | 258 | 15.1 | 14.8 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 216 | 16.3 | 9.5 | 13.2 | | 232 | 14.2 | 11.2 | 8.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 209 | 17.8 | 8.7 | 15.6 | | 214 | 16.6 | 9.3 | 13.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 215 | 14.5 | 8.2 | 11.9 | | 213 | 19.2 | 10.5 | 16.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 206 | 15.1 | 6.7 | 13.6 | | 209 | 18.6 | 9.0 | 16.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 202 | 15.9 | 5.9 | 14.7 | | 208 | 16.1 | 7.7 | 14.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 219 | 10.6 | 6.7 | 8.2 | | 220 | 11.2 | 7.2 | 8.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 241 | 11.5 | 10.1 | 5.6 | | 236 | 11.8 | 9.8 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 244 | 8.6 | 7.7 | 3.7 | | 261 | 10.5 | 10.3 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 245 | 5.9 | 5.4 | 2.4 | | 274 | 11.4 | 11.3 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 5.6 | 5.3 | 2.0 | | 278 | 11.3 | 11.1 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 7.7 | 7.7 | -.5 | | 289 | 12.1 | 11.5 | -3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 13.9 | 12.4 | -6.2 | | 295 | 12.7 | 11.5 | -5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 14.6 | 13.0 | -6.6 | | 292 | 17.2 | 16.0 | -6.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 303 | 11.4 | 9.6 | -6.2 | | 297 | 15.6 | 14.0 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 7.8 | 7.0 | -3.3 | | 295 | 12.2 | 11.1 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 6.1 | 5.7 | -2.4 | | 284 | 6.3 | 6.1 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | | 258 | 2.1 | 2.1 | .4 | | 6 | 3.1 | -.3 | -3.1 | | 292 | 4.1 | 3.8 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | | 279 | 3.6 | 3.5 | -.5 | | 341 | 1.6 | .5 | -1.5 | | 254 | 3.5 | 3.3 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | | 287 | 3.3 | 3.1 | -.9 | | 232 | 3.3 | 2.6 | 2.1 | | 241 | 4.9 | 4.3 | 2.4 | | 43 | 3.3 | -2.2 | -2.4 | 5091 |
| 575 | | 289 | 3.2 | 3.0 | -1.0 | | 182 | 4.1 | .2 | 4.1 | | 234 | 4.2 | 3.4 | 2.5 | | 19 | 6.7 | -2.2 | -6.3 | 4736 |
| 600 | | 260 | 1.1 | 1.1 | .2 | | 192 | 3.4 | .7 | 3.3 | | 203 | 5.6 | 2.2 | 5.1 | | 171 | .8 | -.1 | .8 | 4393 |
| 625 | | 199 | 4.6 | 1.5 | 4.3 | | 218 | 3.6 | 2.3 | 2.8 | | 220 | 6.5 | 4.2 | 4.9 | | 177 | 5.7 | -.3 | 5.7 | 4062 |
| 650 | | 169 | 7.0 | -1.3 | 6.9 | | 212 | 4.9 | 2.6 | 4.2 | | 233 | 6.4 | 5.1 | 3.9 | | 206 | 10.1 | 4.5 | 9.1 | 3742 |
| 675 | | 163 | 8.6 | -2.6 | 8.2 | | 197 | 6.8 | 2.0 | 6.5 | | 210 | 4.7 | 2.3 | 4.1 | | 177 | 8.0 | -.5 | 8.0 | 3431 |
| 700 | | 148 | 10.0 | -5.3 | 8.5 | | 186 | 6.8 | .7 | 6.7 | | 150 | 4.8 | -2.4 | 4.1 | | 148 | 6.8 | -3.6 | 5.8 | 3130 |
| 725 | | 134 | 14.4 | -10.4 | 10.0 | | 185 | 4.8 | .4 | 4.8 | | 115 | 7.4 | -6.7 | 3.1 | | 122 | 4.4 | -3.7 | 2.3 | 2837 |
| 750 | | 145 | 12.9 | -7.5 | 10.5 | | 170 | 3.4 | -.6 | 3.3 | | 97 | 7.8 | -7.7 | 1.0 | | 95 | 2.8 | -2.8 | .2 | 2553 |
| 775 | | 156 | 9.8 | -4.0 | 8.9 | | 132 | 2.8 | -2.1 | 1.9 | | 79 | 7.2 | -7.1 | -1.3 | | 112 | 3.2 | -3.0 | 1.2 | 2276 |
| 800 | | 129 | 10.4 | -8.1 | 6.5 | | 81 | 2.1 | -2.1 | -.3 | | 80 | 7.6 | -7.4 | -1.3 | | 116 | 5.8 | -5.3 | 2.5 | 2007 |
| 825 | | 121 | 8.9 | -7.7 | 4.6 | | 74 | 3.9 | -3.7 | -1.1 | | 90 | 8.1 | -8.1 | -.0 | | 111 | 7.8 | -7.3 | 2.8 | 1745 |
| 850 | | 101 | 8.6 | -8.4 | 1.7 | | 88 | 7.2 | -7.2 | -.3 | | 95 | 8.3 | -8.3 | .8 | | 119 | 7.5 | -6.5 | 3.6 | 1490 |
| 875 | | 88 | 10.0 | -10.0 | -.3 | | 94 | 8.7 | -8.7 | .6 | | 94 | 8.8 | -8.8 | .6 | | 133 | 6.6 | -4.8 | 4.5 | 1242 |
| 900 | | 87 | 10.4 | -10.4 | -.6 | | 103 | 9.1 | -8.8 | 2.1 | | 92 | 9.3 | -9.3 | .4 | | 138 | 7.2 | -4.8 | 5.3 | 999 |
| 925 | | 88 | 9.3 | -9.3 | -.3 | | 117 | 10.0 | -8.9 | 4.5 | | 100 | 8.4 | -8.2 | 1.4 | | 142 | 7.8 | -4.8 | 6.1 | 762 |
| 950 | | 91 | 7.5 | -7.5 | .1 | | 128 | 10.1 | -8.0 | 6.2 | | 108 | 6.7 | -6.4 | 2.1 | | 142 | 6.5 | -4.0 | 5.2 | 529 |
| 975 | | 96 | 6.2 | -6.2 | .6 | | 136 | 7.8 | -5.4 | 5.7 | | 107 | 5.0 | -4.8 | 1.4 | | 127 | 3.7 | -2.9 | 2.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/ 9 2326 GMT | | | | 4/10 555 GMT | | | | 4/10 1123 GMT | | | | 4/10 17 4 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 305 | 14.7 | 12.0 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 11.6 | 11.4 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 302 | 11.7 | 9.9 | -6.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 15.2 | 15.2 | 1.0 | | 275 | 14.4 | 14.4 | -1.2 | 18589 |
| 80 | | 267 | 13.2 | 13.2 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 27.1 | 26.7 | -4.6 | | 274 | 22.1 | 22.0 | -1.5 | 17801 |
| 90 | | 294 | 8.8 | 8.0 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 3.2 | 2.8 | -1.6 | | 281 | 5.1 | 5.1 | -1.0 | 17121 |
| 100 | | 320 | 12.4 | 8.0 | -9.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 13 | 10.0 | -2.2 | -9.7 | | 22 | 4.2 | -1.6 | -3.9 | 16521 |
| 110 | | 331 | 22.7 | 11.1 | -19.8 | | 348 | 21.0 | 4.5 | -20.5 | | 343 | 18.1 | 5.4 | -17.2 | | 357 | 19.5 | 1.1 | -19.4 | 15978 |
| 120 | | 317 | 19.2 | 13.2 | -14.0 | | 333 | 24.7 | 11.1 | -22.1 | | 336 | 22.9 | 9.2 | -20.9 | | 348 | 27.3 | 5.9 | -26.7 | 15479 |
| 130 | | 269 | 15.8 | 15.8 | .2 | | 324 | 20.0 | 11.7 | -16.3 | | 328 | 20.2 | 10.6 | -17.1 | | 331 | 23.7 | 11.5 | -20.7 | 15014 |
| 140 | | 252 | 18.1 | 17.2 | 5.5 | | 282 | 11.5 | 11.3 | -2.3 | | 299 | 14.8 | 12.9 | -7.2 | | 317 | 17.1 | 11.7 | -12.5 | 14578 |
| 150 | | 243 | 12.8 | 11.4 | 5.9 | | 236 | 15.0 | 12.4 | 8.4 | | 270 | 14.6 | 14.6 | -.0 | | 303 | 12.9 | 10.8 | -7.1 | 14167 |
| 160 | | 243 | 17.1 | 15.2 | 7.7 | | 233 | 14.8 | 11.7 | 9.0 | | 260 | 14.7 | 14.5 | 2.4 | | 288 | 13.4 | 12.8 | -4.1 | 13776 |
| 170 | | 245 | 17.0 | 15.5 | 7.1 | | 229 | 11.8 | 8.9 | 7.7 | | 264 | 12.6 | 12.6 | 1.2 | | 272 | 11.3 | 11.3 | -.3 | 13404 |
| 180 | | 253 | 16.9 | 16.2 | 4.9 | | 224 | 10.9 | 7.6 | 7.8 | | 270 | 9.4 | 9.4 | -.0 | | 260 | 10.6 | 10.4 | 1.8 | 13049 |
| 190 | | 259 | 18.6 | 18.2 | 3.5 | | 219 | 11.1 | 7.0 | 8.6 | | 256 | 7.9 | 7.7 | 1.9 | | 266 | 13.3 | 13.3 | .9 | 12709 |
| 200 | | 260 | 18.4 | 18.1 | 3.1 | | 228 | 11.4 | 8.5 | 7.6 | | 244 | 9.7 | 8.7 | 4.2 | | 270 | 14.0 | 14.0 | -.0 | 12383 |
| 225 | | 263 | 12.9 | 12.8 | 1.7 | | 249 | 9.8 | 9.2 | 3.5 | | 236 | 11.8 | 9.7 | 6.7 | | 279 | 7.9 | 7.8 | -1.3 | 11617 |
| 250 | | 238 | 11.4 | 9.7 | 6.0 | | 234 | 8.1 | 6.6 | 4.8 | | 228 | 12.2 | 9.0 | 8.2 | | 250 | 10.5 | 9.8 | 3.6 | 10914 |
| 275 | | 234 | 11.6 | 9.4 | 6.8 | | 251 | 7.0 | 6.6 | 2.3 | | 231 | 8.9 | 6.9 | 5.5 | | 255 | 9.3 | 9.0 | 2.3 | 10262 |
| 300 | | 244 | 10.0 | 9.0 | 4.3 | | 295 | 7.2 | 6.5 | -3.0 | | 245 | 9.9 | 9.0 | 4.1 | | 255 | 9.6 | 9.3 | 2.4 | 9654 |
| 325 | | 282 | 5.5 | 5.4 | -1.1 | | 293 | 9.9 | 9.1 | -3.9 | | 266 | 6.2 | 6.2 | .4 | | 268 | 10.5 | 10.5 | .4 | 9084 |
| 350 | | 305 | 2.0 | 1.6 | -1.1 | | 299 | 9.1 | 7.9 | -4.5 | | 276 | 7.8 | 7.7 | -.8 | | 269 | 5.3 | 5.3 | .1 | 8546 |
| 375 | | 309 | 5.5 | 4.3 | -3.4 | | 300 | 9.8 | 8.4 | -4.9 | | 298 | 10.9 | 9.6 | -5.1 | | 262 | 8.0 | 7.9 | 1.1 | 8039 |
| 400 | | 328 | 9.1 | 4.9 | -7.7 | | 309 | 9.8 | 7.6 | -6.1 | | 320 | 10.2 | 6.6 | -7.8 | | 301 | 8.8 | 7.5 | -4.5 | 7557 |
| 425 | | 320 | 10.7 | 6.9 | -8.2 | | 331 | 11.0 | 5.3 | -9.6 | | 327 | 8.3 | 4.5 | -6.9 | | 318 | 8.0 | 5.4 | -5.9 | 7099 |
| 450 | | 324 | 15.3 | 9.1 | -12.3 | | 343 | 12.6 | 3.7 | -12.0 | | 302 | 6.4 | 5.5 | -3.4 | | 296 | 5.6 | 5.1 | -2.4 | 6662 |
| 475 | | 326 | 15.9 | 9.0 | -13.1 | | 341 | 11.2 | 3.6 | -10.6 | | 288 | 4.8 | 4.6 | -1.5 | | 327 | 5.7 | 3.1 | -4.8 | 6244 |
| 500 | | 320 | 13.1 | 8.4 | -10.1 | | 315 | 8.3 | 5.9 | -5.8 | | 284 | 5.5 | 5.4 | -1.4 | | 330 | 7.3 | 3.7 | -6.3 | 5844 |
| 525 | | 311 | 12.4 | 9.4 | -8.1 | | 314 | 7.7 | 5.5 | -5.4 | | 273 | 4.1 | 4.1 | -.2 | | 308 | 7.4 | 5.9 | -4.6 | 5460 |
| 550 | | 299 | 11.9 | 10.4 | -5.7 | | 315 | 6.3 | 4.5 | -4.5 | | 267 | 4.1 | 4.1 | .2 | | 288 | 5.7 | 5.4 | -1.7 | 5091 |
| 575 | | 256 | 9.0 | 8.7 | 2.1 | | 354 | 1.0 | .1 | -1.0 | | 286 | 5.2 | 5.0 | -1.5 | | 281 | 7.1 | 7.0 | -1.3 | 4736 |
| 600 | | 224 | 11.2 | 7.8 | 8.1 | | 190 | 3.5 | .6 | 3.4 | | 273 | 6.2 | 6.2 | -.3 | | 271 | 7.4 | 7.4 | -.1 | 4393 |
| 625 | | 229 | 12.2 | 9.2 | 8.0 | | 223 | 5.9 | 4.0 | 4.3 | | 262 | 6.7 | 6.6 | 1.0 | | 260 | 6.7 | 6.6 | 1.2 | 4062 |
| 650 | | 230 | 11.7 | 8.9 | 7.6 | | 225 | 7.0 | 4.9 | 5.0 | | 263 | 6.2 | 6.2 | .7 | | 254 | 8.1 | 7.7 | 2.3 | 3742 |
| 675 | | 220 | 8.4 | 5.4 | 6.5 | | 206 | 7.9 | 3.5 | 7.1 | | 259 | 5.9 | 5.8 | 1.1 | | 258 | 8.9 | 8.7 | 1.8 | 3431 |
| 700 | | 193 | 3.6 | .8 | 3.5 | | 196 | 8.2 | 2.2 | 7.9 | | 258 | 5.3 | 5.1 | 1.1 | | 265 | 6.3 | 6.3 | .6 | 3130 |
| 725 | | 128 | 2.7 | -2.1 | 1.6 | | 194 | 8.7 | 2.2 | 8.4 | | 261 | 3.4 | 3.4 | .6 | | 268 | 2.8 | 2.8 | .1 | 2837 |
| 750 | | 123 | 4.5 | -3.8 | 2.4 | | 188 | 7.2 | 1.0 | 7.1 | | 285 | .2 | .2 | -.0 | | 107 | 1.8 | -1.7 | .5 | 2553 |
| 775 | | 127 | 5.0 | -4.0 | 3.0 | | 174 | 5.3 | -.5 | 5.2 | | 104 | 3.4 | -3.3 | .8 | | 115 | 4.5 | -4.1 | 1.9 | 2276 |
| 800 | | 137 | 4.7 | -3.2 | 3.4 | | 173 | 4.0 | -.5 | 4.0 | | 124 | 4.7 | -3.9 | 2.6 | | 130 | 4.0 | -3.0 | 2.5 | 2007 |
| 825 | | 149 | 5.8 | -3.0 | 5.0 | | 180 | 2.4 | .0 | 2.4 | | 118 | 4.0 | -3.5 | 1.9 | | 124 | 2.8 | -2.3 | 1.6 | 1745 |
| 850 | | 151 | 7.9 | -3.9 | 6.9 | | 149 | 1.8 | -.9 | 1.5 | | 103 | 4.5 | -4.4 | 1.0 | | 99 | 3.3 | -3.2 | .5 | 1490 |
| 875 | | 150 | 9.1 | -4.6 | 7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 115 | 4.9 | -4.5 | 2.0 | | 98 | 5.0 | -4.9 | .7 | 1242 |
| 900 | | 153 | 8.6 | -3.9 | 7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 142 | 4.7 | -2.9 | 3.7 | | 109 | 5.7 | -5.3 | 1.9 | 999 |
| 925 | | 161 | 7.2 | -2.4 | 6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 165 | 5.1 | -1.3 | 4.9 | | 133 | 4.6 | -3.3 | 3.1 | 762 |
| 950 | | 163 | 6.9 | -2.0 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 169 | 5.4 | -1.0 | 5.3 | | 166 | 4.2 | -1.0 | 4.1 | 529 |
| 975 | | 157 | 7.6 | -3.0 | 7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 167 | 4.9 | -1.1 | 4.7 | | 171 | 4.4 | -.7 | 4.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 4/10 1932 GMT | | | | 4/10 2232 GMT | | | | 4/11 123 GMT | | | | 4/11 558 GMT | | | | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 276 | 17.2 | 17.1 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 18.4 | 18.4 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 279 | 20.8 | 20.5 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 11.8 | 11.8 | -.1 | | 282 | 7.8 | 7.6 | -1.6 | 17801 |
| 90 | | 292 | 5.2 | 4.8 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 8.3 | 7.8 | -2.7 | | 342 | 10.9 | 3.4 | -10.4 | 17121 |
| 100 | | 21 | 4.8 | -1.7 | -4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 334 | 9.5 | 4.2 | -8.5 | | 358 | 22.1 | .9 | -22.0 | 16521 |
| 110 | | 350 | 17.2 | 2.9 | -16.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 349 | 15.8 | 3.0 | -15.5 | | 344 | 26.0 | 7.0 | -25.0 | 15978 |
| 120 | | 344 | 25.2 | 6.9 | -24.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 340 | 26.9 | 9.2 | -25.3 | | 331 | 26.0 | 12.8 | -22.7 | 15479 |
| 130 | | 334 | 24.4 | 10.5 | -22.0 | | 324 | 26.7 | 15.8 | -21.5 | | 323 | 28.4 | 17.3 | -22.5 | | 325 | 27.2 | 15.6 | -22.3 | 15014 |
| 140 | | 318 | 20.4 | 13.8 | -15.1 | | 318 | 21.0 | 13.9 | -15.7 | | 319 | 24.0 | 15.7 | -18.2 | | 326 | 22.3 | 12.4 | -18.6 | 14578 |
| 150 | | 296 | 16.3 | 14.7 | -7.1 | | 306 | 15.9 | 12.9 | -9.2 | | 313 | 16.3 | 11.9 | -11.2 | | 317 | 17.6 | 11.9 | -13.0 | 14167 |
| 160 | | 286 | 12.6 | 12.1 | -3.4 | | 283 | 11.3 | 11.0 | -2.6 | | 305 | 9.5 | 7.7 | -5.5 | | 307 | 14.0 | 11.1 | -8.5 | 13776 |
| 170 | | 281 | 10.7 | 10.5 | -2.0 | | 269 | 10.2 | 10.2 | .1 | | 276 | 8.1 | 8.1 | -.8 | | 286 | 9.2 | 8.9 | -2.5 | 13404 |
| 180 | | 275 | 10.2 | 10.1 | -1.0 | | 272 | 9.9 | 9.9 | -.3 | | 268 | 9.6 | 9.6 | .4 | | 242 | 7.0 | 6.2 | 3.3 | 13049 |
| 190 | | 278 | 8.8 | 8.7 | -1.2 | | 277 | 8.3 | 8.2 | -1.0 | | 275 | 9.9 | 9.9 | -.9 | | 232 | 7.0 | 5.5 | 4.3 | 12709 |
| 200 | | 279 | 7.5 | 7.4 | -1.2 | | 272 | 8.1 | 8.1 | -.3 | | 284 | 9.2 | 9.0 | -2.2 | | 250 | 6.8 | 6.4 | 2.3 | 12383 |
| 225 | | 274 | 9.2 | 9.2 | -.6 | | 279 | 6.0 | 5.9 | -.9 | | 272 | 6.8 | 6.8 | -.3 | | 253 | 8.2 | 7.9 | 2.4 | 11617 |
| 250 | | 253 | 10.1 | 9.7 | 2.9 | | 266 | 9.3 | 9.3 | .6 | | 280 | 6.0 | 5.9 | -1.1 | | 269 | 9.3 | 9.3 | .1 | 10914 |
| 275 | | 250 | 8.0 | 7.6 | 2.7 | | 252 | 10.7 | 10.2 | 3.2 | | 259 | 8.7 | 8.5 | 1.7 | | 260 | 9.3 | 9.2 | 1.6 | 10262 |
| 300 | | 279 | 8.2 | 8.1 | -1.3 | | 264 | 10.3 | 10.2 | 1.1 | | 252 | 10.3 | 9.8 | 3.3 | | 241 | 8.8 | 7.7 | 4.3 | 9654 |
| 325 | | 282 | 9.9 | 9.7 | -2.0 | | 284 | 8.3 | 8.0 | -2.0 | | 278 | 8.3 | 8.2 | -1.2 | | 251 | 7.9 | 7.5 | 2.6 | 9084 |
| 350 | | 289 | 9.2 | 8.7 | -3.0 | | 283 | 9.2 | 9.0 | -2.0 | | 288 | 10.2 | 9.7 | -3.1 | | 279 | 8.3 | 8.2 | -1.3 | 8546 |
| 375 | | 275 | 7.9 | 7.9 | -.7 | | 289 | 10.8 | 10.2 | -3.6 | | 303 | 9.0 | 7.6 | -4.9 | | 304 | 8.3 | 6.9 | -4.6 | 8039 |
| 400 | | 285 | 8.0 | 7.7 | -2.1 | | 298 | 8.9 | 7.9 | -4.2 | | 297 | 8.3 | 7.4 | -3.8 | | 312 | 7.5 | 5.6 | -5.0 | 7557 |
| 425 | | 313 | 9.4 | 6.8 | -6.4 | | 316 | 8.8 | 6.1 | -6.3 | | 306 | 8.6 | 7.0 | -5.1 | | 330 | 8.7 | 4.4 | -7.5 | 7099 |
| 450 | | 303 | 7.3 | 6.2 | -4.0 | | 325 | 9.4 | 5.4 | -7.7 | | 319 | 8.3 | 5.5 | -6.3 | | 334 | 10.7 | 4.7 | -9.6 | 6662 |
| 475 | | 308 | 6.7 | 5.3 | -4.1 | | 301 | 7.9 | 6.8 | -4.1 | | 330 | 9.0 | 4.5 | -7.8 | | 339 | 8.1 | 2.9 | -7.5 | 6244 |
| 500 | | 271 | 5.8 | 5.8 | -.1 | | 275 | 6.6 | 6.5 | -.5 | | 310 | 8.2 | 6.2 | -5.3 | | 320 | 5.4 | 3.5 | -4.1 | 5844 |
| 525 | | 288 | 5.4 | 5.1 | -1.6 | | 282 | 5.6 | 5.4 | -1.1 | | 290 | 6.8 | 6.4 | -2.3 | | 293 | 6.9 | 6.4 | -2.7 | 5460 |
| 550 | | 290 | 4.0 | 3.7 | -1.4 | | 288 | 6.5 | 6.2 | -2.0 | | 282 | 6.5 | 6.4 | -1.3 | | 287 | 7.4 | 7.1 | -2.2 | 5091 |
| 575 | | 248 | 6.3 | 5.9 | 2.4 | | 262 | 7.1 | 7.0 | 1.0 | | 282 | 5.9 | 5.8 | -1.3 | | 264 | 7.7 | 7.7 | .8 | 4736 |
| 600 | | 243 | 7.9 | 7.0 | 3.6 | | 255 | 8.5 | 8.2 | 2.3 | | 271 | 8.8 | 8.8 | -.1 | | 277 | 8.5 | 8.5 | -1.1 | 4393 |
| 625 | | 244 | 8.7 | 7.9 | 3.8 | | 242 | 10.3 | 9.2 | 4.8 | | 259 | 13.8 | 13.6 | 2.6 | | 270 | 10.9 | 10.9 | -.0 | 4062 |
| 650 | | 252 | 11.7 | 11.1 | 3.5 | | 240 | 12.7 | 10.9 | 6.4 | | 257 | 13.9 | 13.5 | 3.1 | | 259 | 12.3 | 12.1 | 2.3 | 3742 |
| 675 | | 257 | 10.4 | 10.1 | 2.3 | | 253 | 13.1 | 12.6 | 3.9 | | 262 | 13.2 | 13.1 | 1.9 | | 271 | 12.4 | 12.4 | -.2 | 3431 |
| 700 | | 256 | 6.0 | 5.8 | 1.4 | | 254 | 9.6 | 9.2 | 2.7 | | 258 | 10.5 | 10.3 | 2.2 | | 270 | 12.5 | 12.5 | .1 | 3130 |
| 725 | | 209 | 1.2 | .6 | 1.0 | | 217 | 2.8 | 1.7 | 2.2 | | 255 | 4.9 | 4.7 | 1.3 | | 273 | 9.2 | 9.1 | -.6 | 2837 |
| 750 | | 119 | 4.1 | -3.6 | 2.0 | | 126 | 5.0 | -4.0 | 3.0 | | 178 | 1.6 | -.0 | 1.6 | | 259 | 3.6 | 3.6 | .7 | 2553 |
| 775 | | 120 | 6.0 | -5.2 | 3.0 | | 124 | 6.2 | -5.1 | 3.5 | | 140 | 4.6 | -3.0 | 3.6 | | 147 | 1.9 | -1.0 | 1.6 | 2276 |
| 800 | | 128 | 4.7 | -3.7 | 2.9 | | 130 | 3.7 | -2.9 | 2.4 | | 142 | 5.3 | -3.3 | 4.2 | | 107 | 2.3 | -2.2 | .7 | 2007 |
| 825 | | 133 | 3.0 | -2.2 | 2.0 | | 139 | 2.7 | -1.8 | 2.1 | | 133 | 4.0 | -2.9 | 2.7 | | 118 | 3.3 | -2.9 | 1.5 | 1745 |
| 850 | | 123 | 3.5 | -3.0 | 1.9 | | 138 | 3.9 | -2.6 | 2.9 | | 113 | 4.3 | -3.9 | 1.7 | | 120 | 5.3 | -4.6 | 2.6 | 1490 |
| 875 | | 133 | 4.9 | -3.6 | 3.3 | | 146 | 4.8 | -2.7 | 4.0 | | 111 | 4.2 | -4.0 | 1.5 | | 117 | 5.6 | -5.0 | 2.5 | 1242 |
| 900 | | 149 | 5.9 | -3.1 | 5.0 | | 157 | 4.8 | -1.9 | 4.5 | | 101 | 3.0 | -2.9 | .6 | | 124 | 5.4 | -4.5 | 3.0 | 999 |
| 925 | | 156 | 5.8 | -2.4 | 5.3 | | 156 | 4.4 | -1.8 | 4.0 | | 108 | 3.5 | -3.3 | 1.1 | | 134 | 5.7 | -4.1 | 4.0 | 762 |
| 950 | | 159 | 4.6 | -1.7 | 4.3 | | 153 | 3.8 | -1.7 | 3.4 | | 132 | 5.0 | -3.7 | 3.4 | | 139 | 5.6 | -3.7 | 4.3 | 529 |
| 975 | | 163 | 3.0 | -.9 | 2.9 | | 156 | 3.3 | -1.3 | 3.0 | | 144 | 4.8 | -2.8 | 3.9 | | 139 | 5.6 | -3.7 | 4.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/11 1142 GMT | | | | 4/11 1838 GMT | | | | 4/11 2321 GMT | | | | 4/12 6 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 272 | 16.9 | 16.9 | -.6 | 0 0 | 0.0 | 0.0 | 0.0 | 228 | 8.5 | 6.4 | 5.7 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 276 | 17.7 | 17.6 | -1.9 | 288 | 11.0 | 10.5 | -3.4 | 278 | 13.1 | 13.0 | -1.9 | 253 | 12.0 | 11.5 | 3.4 | 18589 |
| 80 | 276 | 21.3 | 21.2 | -2.4 | 291 | 15.2 | 14.2 | -5.5 | 295 | 14.9 | 13.5 | -6.4 | 274 | 13.2 | 13.2 | -.9 | 17801 |
| 90 | 230 | 12.3 | 9.4 | 7.9 | 272 | 16.5 | 16.4 | -.6 | 277 | 15.3 | 15.2 | -1.8 | 288 | 12.6 | 12.0 | -3.8 | 17121 |
| 100 | 302 | 6.7 | 5.7 | -3.5 | 260 | 7.3 | 7.2 | 1.3 | 246 | 11.8 | 10.8 | 4.8 | 251 | 16.0 | 15.1 | 5.3 | 16521 |
| 110 | 352 | 18.3 | 2.4 | -18.2 | 325 | 6.5 | 3.7 | -5.3 | 344 | 4.3 | 1.2 | -4.1 | 212 | 4.6 | 2.4 | 3.9 | 15978 |
| 120 | 347 | 25.5 | 5.7 | -24.9 | 352 | 19.0 | 2.5 | -18.9 | 349 | 18.6 | 3.4 | -18.3 | 354 | 10.4 | 1.0 | -10.4 | 15479 |
| 130 | 342 | 24.0 | 7.5 | -22.8 | 343 | 22.3 | 6.6 | -21.3 | 334 | 20.5 | 9.0 | -18.4 | 345 | 19.6 | 5.0 | -19.0 | 15014 |
| 140 | 334 | 23.5 | 10.2 | -21.1 | 329 | 22.8 | 11.8 | -19.5 | 329 | 22.4 | 11.5 | -19.2 | 336 | 23.0 | 9.2 | -21.0 | 14578 |
| 150 | 325 | 22.4 | 13.0 | -18.3 | 319 | 21.8 | 14.3 | -16.4 | 321 | 24.5 | 15.5 | -19.0 | 321 | 18.5 | 11.7 | -14.3 | 14167 |
| 160 | 324 | 15.6 | 9.2 | -12.6 | 323 | 15.8 | 9.5 | -12.5 | 307 | 22.3 | 17.8 | -13.5 | 313 | 15.4 | 11.3 | -10.5 | 13776 |
| 170 | 308 | 6.5 | 5.1 | -4.0 | 318 | 10.0 | 6.7 | -7.5 | 304 | 14.7 | 12.1 | -8.3 | 294 | 15.2 | 14.0 | -6.1 | 13404 |
| 180 | 243 | 8.0 | 7.1 | 3.6 | 300 | 8.1 | 7.0 | -4.1 | 292 | 8.3 | 7.7 | -3.1 | 278 | 14.0 | 13.9 | -2.0 | 13049 |
| 190 | 236 | 11.6 | 9.6 | 6.5 | 248 | 5.5 | 5.1 | 2.0 | 237 | 6.9 | 5.8 | 3.7 | 276 | 9.2 | 9.2 | -.9 | 12709 |
| 200 | 218 | 12.6 | 7.7 | 9.9 | 194 | 9.7 | 2.3 | 9.4 | 196 | 11.4 | 3.1 | 11.0 | 259 | 6.3 | 6.2 | 1.2 | 12383 |
| 225 | 194 | 12.0 | 2.8 | 11.7 | 194 | 15.1 | 3.5 | 14.7 | 193 | 17.6 | 4.1 | 17.1 | 190 | 13.6 | 2.4 | 13.4 | 11617 |
| 250 | 227 | 11.3 | 8.2 | 7.7 | 218 | 9.5 | 5.9 | 7.4 | 223 | 12.7 | 8.6 | 9.3 | 196 | 15.7 | 4.2 | 15.1 | 10914 |
| 275 | 262 | 11.3 | 11.2 | 1.5 | 233 | 9.9 | 7.9 | 6.0 | 241 | 11.1 | 9.7 | 5.5 | 220 | 12.8 | 8.2 | 9.8 | 10262 |
| 300 | 266 | 12.9 | 12.9 | .9 | 290 | 11.7 | 11.0 | -4.1 | 278 | 12.4 | 12.3 | -1.7 | 246 | 9.6 | 8.8 | 3.8 | 9654 |
| 325 | 275 | 11.1 | 11.1 | -.9 | 300 | 11.2 | 9.7 | -5.5 | 302 | 11.1 | 9.4 | -6.0 | 263 | 12.7 | 12.6 | 1.6 | 9084 |
| 350 | 274 | 11.5 | 11.4 | -.8 | 298 | 11.4 | 10.0 | -5.3 | 294 | 10.4 | 9.5 | -4.2 | 286 | 10.6 | 10.2 | -2.9 | 8546 |
| 375 | 305 | 10.7 | 8.8 | -6.2 | 299 | 7.0 | 6.1 | -3.4 | 331 | 7.4 | 3.5 | -6.5 | 320 | 4.5 | 2.9 | -3.4 | 8039 |
| 400 | 314 | 9.9 | 7.1 | -6.9 | 328 | 6.8 | 3.6 | -5.7 | 326 | 3.5 | 2.0 | -2.9 | 293 | 3.2 | 3.0 | -1.2 | 7557 |
| 425 | 334 | 9.3 | 4.1 | -8.3 | 320 | 6.9 | 4.5 | -5.3 | 293 | 4.4 | 4.1 | -1.7 | 264 | 3.6 | 3.5 | .4 | 7099 |
| 450 | 339 | 7.6 | 2.7 | -7.1 | 330 | 6.0 | 3.0 | -5.2 | 304 | 3.7 | 3.0 | -2.0 | 292 | 4.7 | 4.3 | -1.8 | 6662 |
| 475 | 322 | 6.6 | 4.1 | -5.2 | 291 | 4.9 | 4.6 | -1.8 | 269 | 5.4 | 5.4 | .1 | 263 | 4.7 | 4.7 | .5 | 6244 |
| 500 | 290 | 5.9 | 5.6 | -2.0 | 254 | 6.2 | 5.9 | 1.7 | 250 | 7.1 | 6.6 | 2.4 | 258 | 7.8 | 7.6 | 1.6 | 5844 |
| 525 | 277 | 9.6 | 9.5 | -1.2 | 250 | 9.6 | 9.0 | 3.2 | 262 | 7.6 | 7.5 | 1.1 | 284 | 8.1 | 7.8 | -1.9 | 5460 |
| 550 | 272 | 9.6 | 9.6 | -.4 | 252 | 8.4 | 8.0 | 2.6 | 254 | 8.1 | 7.8 | 2.2 | 299 | 7.7 | 6.7 | -3.7 | 5091 |
| 575 | 266 | 8.6 | 8.6 | .6 | 257 | 6.8 | 6.6 | 1.5 | 257 | 8.3 | 8.1 | 1.8 | 287 | 7.2 | 6.9 | -2.2 | 4736 |
| 600 | 275 | 7.9 | 7.9 | -.6 | 278 | 7.8 | 7.7 | -1.1 | 280 | 6.7 | 6.6 | -1.1 | 298 | 8.4 | 7.4 | -3.9 | 4393 |
| 625 | 288 | 6.9 | 6.6 | -2.1 | 291 | 6.4 | 6.0 | -2.3 | 283 | 5.7 | 5.6 | -1.3 | 285 | 8.8 | 8.6 | -2.2 | 4062 |
| 650 | 299 | 7.1 | 6.2 | -3.5 | 295 | 6.5 | 5.9 | -2.7 | 298 | 6.1 | 5.4 | -2.8 | 3 291 | 8.9 | 8.4 | -3.1 | 3742 |
| 675 | 304 | 7.7 | 6.4 | -4.4 | 301 | 7.7 | 6.6 | -4.0 | 290 | 7.2 | 6.8 | -2.4 | 284 | 8.0 | 7.7 | -1.9 | 3431 |
| 700 | 298 | 8.4 | 7.4 | -3.9 | 309 | 8.1 | 6.3 | -5.1 | 295 | 9.4 | 8.6 | -3.9 | 267 | 6.5 | 6.5 | .4 | 3130 |
| 725 | 292 | 7.9 | 7.3 | -3.0 | 303 | 7.8 | 6.6 | -4.2 | 302 | 7.2 | 6.1 | -3.8 | 285 | 5.2 | 5.0 | -1.3 | 2837 |
| 750 | 272 | 3.6 | 3.6 | -.1 | 292 | 5.6 | 5.2 | -2.1 | 281 | 3.6 | 3.6 | -.7 | 313 | 4.0 | 2.9 | -2.7 | 2553 |
| 775 | 155 | 2.8 | -1.2 | 2.5 | 240 | 3.1 | 2.7 | 1.5 | 229 | 3.6 | 2.7 | 2.4 | 287 | 2.3 | 2.2 | -.7 | 2276 |
| 800 | 122 | 3.4 | -2.9 | 1.8 | 166 | 4.8 | -1.2 | 4.7 | 145 | 5.3 | -3.0 | 4.4 | 167 | 2.8 | -.6 | 2.7 | 2007 |
| 825 | 109 | 1.8 | -1.7 | .6 | 133 | 7.4 | -5.4 | 5.0 | 125 | 8.8 | -7.2 | 5.1 | 148 | 7.0 | -3.6 | 5.9 | 1745 |
| 850 | 110 | 3.1 | -2.9 | 1.1 | 120 | 8.9 | -7.7 | 4.5 | 124 | 10.4 | -8.6 | 5.9 | 145 | 9.4 | -5.4 | 7.7 | 1490 |
| 875 | 116 | 6.0 | -5.4 | 2.7 | 118 | 9.9 | -8.8 | 4.6 | 129 | 11.6 | -9.1 | 7.2 | 137 | 9.1 | -6.2 | 6.7 | 1242 |
| 900 | 126 | 7.1 | -5.8 | 4.2 | 123 | 10.2 | -8.5 | 5.6 | 132 | 10.8 | -8.0 | 7.3 | 131 | 8.1 | -6.2 | 5.3 | 999 |
| 925 | 138 | 6.5 | -4.4 | 4.8 | 132 | 9.2 | -6.9 | 6.1 | 141 | 9.3 | -5.8 | 7.2 | 131 | 7.0 | -5.3 | 4.6 | 762 |
| 950 | 146 | 5.7 | -3.2 | 4.7 | 137 | 8.1 | -5.6 | 5.9 | 153 | 8.0 | -3.6 | 7.2 | 133 | 5.7 | -4.1 | 3.9 | 529 |
| 975 | 145 | 5.5 | -3.2 | 4.5 | 137 | 7.7 | -5.2 | 5.6 | 162 | 6.0 | -1.8 | 5.7 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/12 1137 GMT | | | | 4/12 18 4 GMT | | | | 4/13 1150 GMT | | | | 4/13 1713 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 264 | 14.9 | 14.8 | 1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 260 | 13.3 | 13.1 | 2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 273 | 14.6 | 14.6 | -.8 | 272 | 14.1 | 14.1 | -.4 | 275 | 14.0 | 13.9 | -1.2 | 276 | 14.5 | 14.4 | -1.4 | 18589 |
| 80 | 273 | 14.0 | 13.9 | -.8 | 290 | 14.9 | 14.0 | -5.0 | 268 | 14.5 | 14.5 | .6 | 257 | 20.1 | 19.6 | 4.4 | 17801 |
| 90 | 277 | 12.8 | 12.7 | -1.5 | 300 | 9.3 | 8.0 | -4.7 | 258 | 9.9 | 9.7 | 2.1 | 253 | 12.2 | 11.7 | 3.6 | 17121 |
| 100 | 235 | 14.4 | 11.9 | 8.2 | 266 | 12.1 | 12.0 | .8 | 274 | 9.2 | 9.2 | -.7 | 258 | 9.8 | 9.6 | 2.0 | 16521 |
| 110 | 253 | 6.8 | 6.5 | 2.0 | 234 | 11.2 | 9.1 | 6.6 | 285 | 10.2 | 9.8 | -2.6 | 258 | 9.1 | 8.9 | 1.9 | 15978 |
| 120 | 329 | 15.1 | 7.9 | -12.9 | 318 | 7.3 | 4.9 | -5.4 | 319 | 10.1 | 6.6 | -7.7 | 326 | 7.4 | 4.2 | -6.1 | 15479 |
| 130 | 331 | 20.1 | 9.7 | -17.6 | 333 | 19.5 | 8.7 | -17.4 | 339 | 12.9 | 4.7 | -12.0 | 337 | 12.6 | 4.8 | -11.6 | 15014 |
| 140 | 331 | 21.4 | 10.3 | -18.7 | 339 | 21.1 | 7.6 | -19.7 | 334 | 12.6 | 5.6 | -11.3 | 328 | 11.3 | 6.0 | -9.6 | 14578 |
| 150 | 314 | 26.1 | 18.8 | -18.2 | 335 | 20.4 | 8.6 | -18.5 | 322 | 13.3 | 8.2 | -10.4 | 324 | 14.1 | 8.3 | -11.4 | 14167 |
| 160 | 325 | 19.5 | 11.1 | -16.1 | 325 | 20.4 | 11.6 | -16.7 | 313 | 14.7 | 10.8 | -10.1 | 326 | 16.7 | 9.3 | -13.8 | 13776 |
| 170 | 320 | 16.8 | 10.8 | -12.8 | 315 | 20.0 | 14.0 | -14.2 | 310 | 15.0 | 11.6 | -9.6 | 324 | 16.3 | 9.6 | -13.2 | 13404 |
| 180 | 316 | 14.6 | 10.2 | -10.4 | 307 | 18.6 | 15.0 | -11.1 | 309 | 15.0 | 11.7 | -9.4 | 323 | 14.8 | 8.8 | -11.8 | 13049 |
| 190 | 289 | 17.4 | 16.5 | -5.5 | 304 | 19.1 | 15.9 | -10.6 | 307 | 15.1 | 12.0 | -9.0 | 323 | 14.6 | 8.8 | -11.6 | 12709 |
| 200 | 284 | 15.5 | 15.1 | -3.8 | 308 | 17.5 | 13.8 | -10.7 | 307 | 15.2 | 12.2 | -9.1 | 321 | 14.9 | 9.3 | -11.7 | 12383 |
| 225 | 244 | 10.7 | 9.6 | 4.8 | 293 | 16.4 | 15.1 | -6.3 | 296 | 13.3 | 11.9 | -5.9 | 313 | 13.3 | 9.7 | -9.2 | 11617 |
| 250 | 194 | 11.6 | 2.7 | 11.2 | 259 | 11.1 | 10.9 | 2.1 | 297 | 11.4 | 10.2 | -5.2 | 316 | 11.5 | 7.9 | -8.3 | 10914 |
| 275 | 206 | 13.1 | 5.7 | 11.8 | 247 | 10.0 | 9.2 | 3.8 | 285 | 8.7 | 8.4 | -2.2 | 316 | 7.6 | 5.3 | -5.4 | 10262 |
| 300 | 223 | 10.9 | 7.4 | 7.9 | 265 | 11.2 | 11.1 | 1.0 | 267 | 9.2 | 9.2 | .5 | 268 | 6.8 | 6.8 | .2 | 9654 |
| 325 | 251 | 11.2 | 10.6 | 3.7 | 262 | 9.6 | 9.5 | 1.4 | 269 | 7.8 | 7.8 | .1 | 269 | 6.4 | 6.4 | .1 | 9084 |
| 350 | 271 | 12.6 | 12.6 | -.2 | 258 | 6.9 | 6.8 | 1.4 | 297 | 7.1 | 6.3 | -3.2 | 276 | 4.2 | 4.2 | -.4 | 8546 |
| 375 | 286 | 8.4 | 8.1 | -2.3 | 263 | 6.6 | 6.6 | .8 | 330 | 8.6 | 4.3 | -7.4 | 328 | 4.6 | 2.5 | -3.9 | 8039 |
| 400 | 298 | 6.8 | 6.0 | -3.2 | 281 | 5.3 | 5.2 | -1.0 | 320 | 10.1 | 6.5 | -7.8 | 325 | 6.5 | 3.7 | -5.4 | 7557 |
| 425 | 257 | 4.1 | 4.0 | .9 | 277 | 3.9 | 3.8 | -.5 | 272 | 7.0 | 7.0 | -.3 | 280 | 8.2 | 8.0 | -1.4 | 7099 |
| 450 | 265 | 4.6 | 4.6 | .4 | 252 | 5.3 | 5.0 | 1.6 | 252 | 6.1 | 5.8 | 1.9 | 259 | 6.4 | 6.3 | 1.2 | 6662 |
| 475 | 272 | 5.9 | 5.9 | -.2 | 257 | 6.5 | 6.3 | 1.4 | 264 | 6.2 | 6.1 | .7 | 264 | 6.3 | 6.2 | .7 | 6244 |
| 500 | 259 | 7.3 | 7.2 | 1.3 | 271 | 7.0 | 7.0 | -.2 | 307 | 2.9 | 2.3 | -1.7 | 298 | 3.6 | 3.1 | -1.7 | 5844 |
| 525 | 289 | 5.7 | 5.4 | -1.9 | 298 | 8.0 | 7.1 | -3.8 | 325 | 3.1 | 1.7 | -2.5 | 257 | 2.4 | 2.4 | .5 | 5460 |
| 550 | 299 | 6.6 | 5.8 | -3.2 | 322 | 7.6 | 4.7 | -6.0 | 302 | 2.7 | 2.2 | -1.4 | 227 | 5.0 | 3.7 | 3.4 | 5091 |
| 575 | 287 | 6.1 | 5.8 | -1.8 | 299 | 5.5 | 4.8 | -2.7 | 271 | 2.3 | 2.3 | -.0 | 238 | 4.7 | 4.0 | 2.5 | 4736 |
| 600 | 281 | 6.4 | 6.3 | -1.3 | 266 | 7.1 | 7.1 | .5 | 268 | 3.3 | 3.3 | .1 | 269 | 4.2 | 4.2 | .1 | 4393 |
| 625 | 259 | 7.6 | 7.4 | 1.5 | 252 | 8.5 | 8.1 | 2.6 | 283 | 5.1 | 5.0 | -1.1 | 293 | 5.2 | 4.8 | -2.0 | 4062 |
| 650 | 256 | 6.5 | 6.3 | 1.6 | 247 | 8.9 | 8.2 | 3.5 | 283 | 6.4 | 6.2 | -1.4 | 291 | 6.1 | 5.7 | -2.2 | 3742 |
| 675 | 260 | 6.4 | 6.3 | 1.1 | 249 | 6.0 | 5.6 | 2.1 | 282 | 6.6 | 6.5 | -1.4 | 287 | 6.5 | 6.2 | -1.9 | 3431 |
| 700 | 266 | 5.2 | 5.2 | .4 | 254 | 3.8 | 3.7 | 1.1 | 297 | 7.8 | 6.9 | -3.5 | 290 | 7.7 | 7.2 | -2.7 | 3130 |
| 725 | 298 | 2.6 | 2.3 | -1.2 | 248 | 3.2 | 3.0 | 1.2 | 302 | 8.9 | 7.5 | -4.7 | 294 | 7.2 | 6.6 | -2.9 | 2837 |
| 750 | 306 | 3.0 | 2.4 | -1.7 | 246 | 2.4 | 2.2 | 1.0 | 300 | 6.6 | 5.7 | -3.2 | 294 | 4.1 | 3.7 | -1.6 | 2553 |
| 775 | 283 | 2.4 | 2.3 | -.5 | 276 | 1.7 | 1.7 | -.2 | 289 | 2.2 | 2.1 | -.7 | 271 | 1.8 | 1.8 | -.0 | 2276 |
| 800 | 196 | 2.3 | .6 | 2.2 | 253 | 1.2 | 1.2 | .4 | 170 | 1.3 | -.2 | 1.3 | 180 | 1.6 | -.0 | 1.6 | 2007 |
| 825 | 153 | 5.8 | -2.6 | 5.2 | 164 | 3.0 | -.9 | 2.9 | 171 | 3.0 | -.5 | 2.9 | 157 | 4.2 | -1.6 | 3.8 | 1745 |
| 850 | 134 | 8.0 | -5.8 | 5.6 | 143 | 7.1 | -4.3 | 5.7 | 156 | 4.5 | -1.8 | 4.1 | 157 | 6.3 | -2.5 | 5.8 | 1490 |
| 875 | 129 | 9.3 | -7.2 | 5.9 | 137 | 10.5 | -7.2 | 7.7 | 130 | 7.5 | -5.7 | 4.8 | 150 | 7.7 | -3.9 | 6.7 | 1242 |
| 900 | 131 | 9.4 | -7.1 | 6.2 | 136 | 11.3 | -7.9 | 8.1 | 124 | 11.1 | -9.1 | 6.3 | 143 | 8.4 | -5.0 | 6.8 | 999 |
| 925 | 131 | 7.4 | -5.6 | 4.9 | 133 | 9.5 | -6.9 | 6.5 | 124 | 11.2 | -9.3 | 6.3 | 141 | 8.5 | -5.4 | 6.5 | 762 |
| 950 | 128 | 5.3 | -4.2 | 3.3 | 126 | 7.1 | -5.7 | 4.1 | 125 | 8.2 | -6.7 | 4.7 | 138 | 8.1 | -5.4 | 6.0 | 529 |
| 975 | 126 | 5.0 | -4.1 | 2.9 | 118 | 6.1 | -5.3 | 2.9 | 121 | 6.3 | -5.4 | 3.3 | 134 | 7.5 | -5.4 | 5.2 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 4/13 1935 GMT I | DD | FF | U | V | 4/13 2233 GMT I | DD | FF | U | V | 4/14 125 GMT I | DD | FF | U | V | 4/14 543 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 278 | 10.4 | 10.3 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 8.3 | 8.3 | .4 | | 256 | 10.3 | 10.0 | 2.5 | 18589 |
| 80 | | 268 | 19.9 | 19.9 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 16.8 | 16.7 | -1.7 | | 295 | 12.9 | 11.6 | -5.5 | 17801 |
| 90 | | 261 | 11.7 | 11.6 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 13.1 | 13.1 | .3 | | 278 | 10.1 | 9.9 | -1.5 | 17121 |
| 100 | | 261 | 10.9 | 10.8 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 10.5 | 10.5 | .6 | | 285 | 10.9 | 10.5 | -2.9 | 16521 |
| 110 | | 235 | 8.3 | 6.8 | 4.8 | | 249 | 15.9 | 14.9 | 5.6 | | 260 | 15.2 | 15.0 | 2.6 | | 253 | 15.7 | 15.0 | 4.7 | 15978 |
| 120 | | 330 | 8.8 | 4.3 | -7.7 | | 251 | 8.4 | 8.0 | 2.7 | | 240 | 10.0 | 8.7 | 5.0 | | 246 | 14.8 | 13.5 | 6.1 | 15479 |
| 130 | | 330 | 13.0 | 6.6 | -11.2 | | 318 | 8.4 | 5.6 | -6.2 | | 305 | 7.7 | 6.3 | -4.4 | | 259 | 10.3 | 10.1 | 2.0 | 15014 |
| 140 | | 331 | 11.3 | 5.5 | -9.9 | | 329 | 15.1 | 7.7 | -13.0 | | 330 | 13.6 | 6.7 | -11.8 | | 317 | 14.6 | 9.9 | -10.7 | 14578 |
| 150 | | 339 | 14.3 | 5.2 | -13.4 | | 331 | 16.6 | 8.1 | -14.5 | | 327 | 16.1 | 8.7 | -13.6 | | 322 | 14.6 | 9.1 | -11.5 | 14167 |
| 160 | | 332 | 16.4 | 7.6 | -14.6 | | 336 | 15.5 | 6.4 | -14.1 | | 320 | 17.7 | 11.4 | -13.6 | | 319 | 20.4 | 13.5 | -15.3 | 13776 |
| 170 | | 325 | 14.1 | 8.0 | -11.6 | | 323 | 14.0 | 8.3 | -11.3 | | 318 | 16.8 | 11.3 | -12.4 | | 318 | 21.7 | 14.4 | -16.2 | 13404 |
| 180 | | 329 | 13.6 | 6.9 | -11.7 | | 313 | 15.0 | 11.0 | -10.2 | | 316 | 17.4 | 12.1 | -12.6 | | 314 | 19.1 | 13.7 | -13.3 | 13049 |
| 190 | | 327 | 15.6 | 8.5 | -13.1 | | 318 | 16.1 | 10.8 | -11.9 | | 311 | 17.9 | 13.6 | -11.7 | | 311 | 16.4 | 12.4 | -10.7 | 12709 |
| 200 | 3 | 317 | 15.8 | 10.9 | -11.5 | | 318 | 16.0 | 10.7 | -11.8 | | 309 | 16.1 | 12.5 | -10.1 | | 309 | 14.8 | 11.6 | -9.2 | 12383 |
| 225 | | 316 | 11.9 | 8.3 | -8.5 | | 306 | 13.8 | 11.1 | -8.2 | | 308 | 15.0 | 11.8 | -9.2 | | 305 | 12.6 | 10.3 | -7.2 | 11617 |
| 250 | | 304 | 11.0 | 9.1 | -6.2 | | 303 | 11.1 | 9.4 | -6.0 | | 301 | 12.3 | 10.6 | -6.3 | | 299 | 14.4 | 12.6 | -7.1 | 10914 |
| 275 | | 318 | 6.4 | 4.3 | -4.7 | 2 | 319 | 5.5 | 3.6 | -4.2 | | 302 | 6.2 | 5.2 | -3.3 | | 292 | 6.3 | 5.9 | -2.4 | 10262 |
| 300 | | 260 | 5.6 | 5.5 | 1.0 | | 275 | 3.5 | 3.5 | -.3 | | 255 | 4.2 | 4.1 | 1.1 | | 246 | 4.1 | 3.8 | 1.7 | 9654 |
| 325 | | 263 | 4.9 | 4.9 | .6 | | 251 | 5.0 | 4.8 | 1.6 | | 247 | 4.9 | 4.5 | 1.9 | | 225 | 5.6 | 3.9 | 4.0 | 9084 |
| 350 | | 289 | 1.9 | 1.8 | -.6 | | 249 | 2.8 | 2.6 | 1.0 | | 252 | 3.4 | 3.3 | 1.1 | | 266 | 1.8 | 1.8 | .1 | 8546 |
| 375 | | 344 | 4.5 | 1.2 | -4.3 | | 305 | 3.2 | 2.6 | -1.9 | | 299 | 4.7 | 4.1 | -2.3 | | 317 | 3.9 | 2.7 | -2.9 | 8039 |
| 400 | | 350 | 4.8 | .8 | -4.7 | | 302 | 4.1 | 3.4 | -2.2 | | 295 | 4.9 | 4.4 | -2.1 | | 337 | 5.0 | 2.0 | -4.6 | 7557 |
| 425 | | 302 | 6.1 | 5.2 | -3.2 | | 291 | 5.2 | 4.9 | -1.8 | | 305 | 5.5 | 4.5 | -3.1 | | 321 | 7.3 | 4.6 | -5.7 | 7099 |
| 450 | | 278 | 7.4 | 7.4 | -1.1 | | 267 | 7.6 | 7.6 | .4 | | 295 | 7.7 | 7.0 | -3.2 | | 294 | 6.1 | 5.6 | -2.5 | 6662 |
| 475 | | 258 | 6.2 | 6.1 | 1.2 | | 240 | 6.8 | 5.9 | 3.4 | | 259 | 5.8 | 5.7 | 1.2 | | 236 | 3.6 | 3.0 | 2.0 | 6244 |
| 500 | | 285 | 5.2 | 5.0 | -1.4 | | 258 | 3.9 | 3.8 | .8 | | 250 | 4.7 | 4.4 | 1.6 | | 240 | 2.8 | 2.5 | 1.4 | 5844 |
| 525 | | 330 | 2.1 | 1.0 | -1.8 | | 355 | 1.8 | .2 | -1.8 | | 324 | 1.6 | .9 | -1.3 | | 141 | .7 | -.5 | .6 | 5460 |
| 550 | 2 | 239 | 2.5 | 2.1 | 1.3 | | 209 | .8 | .4 | .7 | | 181 | 1.9 | .0 | 1.9 | | 177 | 2.4 | -.1 | 2.4 | 5091 |
| 575 | 3 | 225 | 3.8 | 2.7 | 2.7 | | 220 | 4.1 | 2.6 | 3.1 | | 212 | 3.6 | 1.9 | 3.1 | | 202 | 4.5 | 1.7 | 4.2 | 4736 |
| 600 | | 250 | 3.5 | 3.3 | 1.2 | | 245 | 4.3 | 3.9 | 1.9 | | 257 | 3.6 | 3.5 | .8 | | 229 | 4.8 | 3.6 | 3.1 | 4393 |
| 625 | | 279 | 4.9 | 4.8 | -.8 | | 286 | 4.4 | 4.3 | -1.2 | | 303 | 4.8 | 4.0 | -2.6 | | 278 | 4.2 | 4.1 | -.6 | 4062 |
| 650 | | 293 | 7.3 | 6.7 | -2.9 | | 298 | 5.3 | 4.6 | -2.5 | | 303 | 4.3 | 3.6 | -2.3 | | 302 | 4.4 | 3.7 | -2.3 | 3742 |
| 675 | | 296 | 8.0 | 7.2 | -3.5 | | 289 | 5.9 | 5.5 | -2.0 | | 294 | 6.0 | 5.4 | -2.4 | | 292 | 6.0 | 5.5 | -2.3 | 3431 |
| 700 | | 299 | 9.0 | 7.8 | -4.3 | | 297 | 6.8 | 6.1 | -3.1 | | 295 | 7.3 | 6.7 | -3.0 | | 298 | 8.2 | 7.2 | -3.8 | 3130 |
| 725 | | 301 | 8.5 | 7.3 | -4.4 | | 304 | 6.6 | 5.4 | -3.7 | | 291 | 7.5 | 7.0 | -2.7 | | 306 | 8.7 | 7.1 | -5.1 | 2837 |
| 750 | | 296 | 5.1 | 4.6 | -2.2 | | 296 | 4.5 | 4.0 | -2.0 | | 280 | 4.3 | 4.3 | -.8 | | 303 | 5.5 | 4.7 | -3.0 | 2553 |
| 775 | | 263 | 2.1 | 2.1 | .2 | | 277 | 2.6 | 2.6 | -.3 | | 195 | 2.2 | .6 | 2.1 | | 192 | 1.3 | .3 | 1.2 | 2276 |
| 800 | | 181 | 2.5 | .0 | 2.5 | | 231 | 1.5 | 1.1 | .9 | | 159 | 5.1 | -1.8 | 4.8 | | 154 | 4.2 | -1.8 | 3.8 | 2007 |
| 825 | | 168 | 3.7 | -.8 | 3.6 | | 179 | 2.4 | -.1 | 2.4 | | 152 | 7.2 | -3.4 | 6.3 | | 163 | 4.8 | -1.4 | 4.6 | 1745 |
| 850 | | 154 | 4.6 | -2.0 | 4.2 | | 156 | 4.3 | -1.7 | 3.9 | | 140 | 7.1 | -4.6 | 5.4 | | 149 | 5.8 | -2.9 | 5.0 | 1490 |
| 875 | | 141 | 7.0 | -4.4 | 5.4 | | 149 | 6.0 | -3.1 | 5.1 | | 126 | 6.1 | -4.9 | 3.6 | | 128 | 6.6 | -5.2 | 4.0 | 1242 |
| 900 | | 136 | 8.3 | -5.7 | 5.9 | | 144 | 6.7 | -3.9 | 5.4 | | 129 | 5.2 | -4.0 | 3.2 | | 123 | 6.9 | -5.8 | 3.8 | 999 |
| 925 | | 131 | 8.7 | -6.6 | 5.7 | | 137 | 7.4 | -5.1 | 5.4 | | 138 | 5.3 | -3.5 | 4.0 | | 134 | 7.4 | -5.3 | 5.1 | 762 |
| 950 | | 131 | 9.2 | -6.9 | 6.0 | | 141 | 7.1 | -4.5 | 5.5 | | 143 | 5.6 | -3.4 | 4.5 | | 144 | 7.3 | -4.3 | 5.9 | 529 |
| 975 | | 134 | 8.1 | -5.8 | 5.6 | | 146 | 6.3 | -3.5 | 5.2 | | 147 | 6.0 | -3.3 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/14 1115 GMT | | | | 4/14 1814 GMT | | | | 4/14 2344 GMT | | | | 4/15 6 7 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 258 | 15.7 | 15.4 | 3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 284 | 16.6 | 16.1 | -3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 272 | 9.7 | 9.7 | -.3 | 261 | 7.0 | 6.9 | 1.1 | 269 | 13.6 | 13.6 | .3 | 247 | 9.6 | 8.8 | 3.7 | 18589 |
| 80 | 279 | 12.6 | 12.5 | -2.0 | 270 | 14.2 | 14.2 | -.0 | 243 | 7.3 | 6.5 | 3.3 | 292 | 6.3 | 5.8 | -2.3 | 17801 |
| 90 | 287 | 11.6 | 11.1 | -3.5 | 274 | 12.3 | 12.2 | -.9 | 292 | 10.4 | 9.6 | -3.8 | 279 | 13.4 | 13.2 | -2.0 | 17121 |
| 100 | 282 | 10.0 | 9.7 | -2.1 | 292 | 5.3 | 4.9 | -2.0 | 265 | 13.3 | 13.3 | 1.1 | 267 | 7.8 | 7.8 | .4 | 16521 |
| 110 | 253 | 9.1 | 8.7 | 2.6 | 232 | 9.7 | 7.6 | 6.0 | 270 | 6.3 | 6.3 | .1 | 239 | 9.4 | 8.1 | 4.9 | 15978 |
| 120 | 221 | 10.9 | 7.2 | 8.1 | 266 | 9.2 | 9.2 | .6 | 253 | 9.2 | 8.8 | 2.6 | 300 | 8.5 | 7.4 | -4.2 | 15479 |
| 130 | 243 | 7.3 | 6.5 | 3.3 | 310 | 10.9 | 8.4 | -6.9 | 270 | 10.0 | 10.0 | .1 | 315 | 13.6 | 9.5 | -9.7 | 15014 |
| 140 | 317 | 10.6 | 7.3 | -7.7 | 323 | 13.6 | 8.2 | -10.9 | 307 | 7.8 | 6.2 | -4.7 | 304 | 18.9 | 15.7 | -10.4 | 14578 |
| 150 | 322 | 16.6 | 10.3 | -13.1 | 312 | 18.9 | 14.1 | -12.6 | 320 | 10.3 | 6.6 | -7.9 | 305 | 22.5 | 18.5 | -12.9 | 14167 |
| 160 | 320 | 22.8 | 14.5 | -17.6 | 316 | 20.5 | 14.3 | -14.7 | 310 | 15.4 | 11.9 | -9.8 | 305 | 21.5 | 17.6 | -12.3 | 13776 |
| 170 | 324 | 23.2 | 13.7 | -18.7 | 324 | 19.6 | 11.4 | -15.9 | 303 | 20.2 | 16.9 | -11.0 | 304 | 21.6 | 17.8 | -12.2 | 13404 |
| 180 | 324 | 23.7 | 14.0 | -19.1 | 329 | 20.6 | 10.6 | -17.6 | 303 | 20.5 | 17.2 | -11.2 | 306 | 19.8 | 16.2 | -11.5 | 13049 |
| 190 | 319 | 19.5 | 12.7 | -14.8 | 330 | 21.7 | 10.9 | -18.8 | 312 | 22.6 | 16.8 | -15.1 | 301 | 17.7 | 15.1 | -9.2 | 12709 |
| 200 | 310 | 16.1 | 12.4 | -10.2 | 330 | 21.1 | 10.7 | -18.2 | 322 | 22.0 | 13.6 | -17.3 | 303 | 16.9 | 14.2 | -9.2 | 12383 |
| 225 | 323 | 14.6 | 8.7 | -11.8 | 325 | 16.5 | 9.5 | -13.5 | 338 | 15.2 | 5.7 | -14.1 | 314 | 14.1 | 10.0 | -9.8 | 11617 |
| 250 | 331 | 12.3 | 6.0 | -10.8 | 319 | 12.4 | 8.0 | -9.4 | 344 | 14.6 | 4.1 | -14.0 | 348 | 8.3 | 1.7 | -8.2 | 10914 |
| 275 | 316 | 7.7 | 5.4 | -5.6 | 323 | 8.5 | 5.2 | -6.8 | 348 | 10.8 | 2.2 | -10.6 | 357 | 8.4 | .4 | -8.4 | 10262 |
| 300 | 285 | 6.1 | 5.9 | -1.6 | 304 | 4.5 | 3.7 | -2.6 | 305 | 7.5 | 6.2 | -4.2 | 332 | 10.0 | 4.7 | -8.8 | 9654 |
| 325 | 234 | 6.5 | 5.2 | 3.9 | 299 | 8.9 | 7.8 | -4.3 | 300 | 8.4 | 7.3 | -4.2 | 293 | 6.7 | 6.2 | -2.6 | 9084 |
| 350 | 239 | 2.1 | 1.8 | 1.1 | 275 | 5.8 | 5.8 | -.5 | 287 | 6.7 | 6.4 | -2.0 | 237 | 3.3 | 2.8 | 1.8 | 8546 |
| 375 | 294 | 1.3 | 1.2 | -.5 | 261 | 3.4 | 3.4 | .5 | 229 | 4.4 | 3.4 | 2.9 | 275 | 3.5 | 3.5 | -.3 | 8039 |
| 400 | 335 | 3.1 | 1.3 | -2.8 | 328 | 5.4 | 2.9 | -4.6 | 259 | 2.0 | 2.0 | .4 | 328 | 2.1 | 1.1 | -1.8 | 7557 |
| 425 | 7 | 4.4 | -.5 | -4.4 | 353 | 6.2 | .8 | -6.1 | 345 | 4.4 | 1.2 | -4.3 | 344 | 4.2 | 1.1 | -4.0 | 7099 |
| 450 | 314 | 4.4 | 3.2 | -3.1 | 333 | 7.7 | 3.5 | -6.8 | 349 | 5.3 | 1.0 | -5.2 | 308 | 2.5 | 1.9 | -1.5 | 6662 |
| 475 | 269 | 3.6 | 3.6 | .1 | 299 | 7.9 | 7.0 | -3.8 | 338 | 6.1 | 2.3 | -5.7 | 303 | 3.9 | 3.2 | -2.1 | 6244 |
| 500 | 233 | 3.8 | 3.0 | 2.3 | 263 | 6.3 | 6.3 | .8 | 324 | 5.8 | 3.4 | -4.7 | 304 | 7.4 | 6.1 | -4.1 | 5844 |
| 525 | 199 | 2.9 | 1.0 | 2.7 | 249 | 4.9 | 4.5 | 1.7 | 279 | 5.6 | 5.5 | -.8 | 298 | 8.0 | 7.0 | -3.8 | 5460 |
| 550 | 198 | 3.1 | 1.0 | 2.9 | 248 | 6.1 | 5.6 | 2.3 | 265 | 7.0 | 7.0 | .6 | 273 | 8.3 | 8.3 | -.4 | 5091 |
| 575 | 212 | 4.9 | 2.6 | 4.1 | 245 | 6.3 | 5.7 | 2.6 | 262 | 5.9 | 5.8 | .8 | 278 | 7.7 | 7.6 | -1.1 | 4736 |
| 600 | 245 | 6.2 | 5.6 | 2.6 | 250 | 5.6 | 5.3 | 1.9 | 255 | 5.8 | 5.6 | 1.5 | 292 | 5.8 | 5.4 | -2.1 | 4393 |
| 625 | 274 | 5.6 | 5.6 | -.4 | 262 | 3.1 | 3.1 | .4 | 258 | 4.7 | 4.6 | 1.0 | 279 | 4.8 | 4.7 | -.7 | 4062 |
| 650 | 294 | 5.0 | 4.6 | -2.0 | 279 | 2.9 | 2.8 | -.4 | 264 | 4.3 | 4.2 | .5 | 281 | 4.6 | 4.5 | -.9 | 3742 |
| 675 | 295 | 7.2 | 6.5 | -3.1 | 307 | 3.5 | 2.8 | -2.1 | 263 | 4.0 | 4.0 | .5 | 295 | 3.7 | 3.4 | -1.6 | 3431 |
| 700 | 307 | 10.0 | 8.0 | -5.9 | 318 | 5.2 | 3.5 | -3.9 | 260 | 2.7 | 2.7 | .5 | 297 | 3.1 | 2.8 | -1.4 | 3130 |
| 725 | 319 | 7.4 | 4.9 | -5.6 | 313 | 4.2 | 3.1 | -2.8 | 301 | 3.1 | 2.6 | -1.6 | 285 | .8 | .7 | -.2 | 2837 |
| 750 | 21 | .3 | -.1 | -.3 | 161 | 2.0 | -.7 | 1.9 | 306 | 3.9 | 3.1 | -2.3 | 133 | 3.1 | -2.3 | 2.1 | 2553 |
| 775 | 154 | 3.2 | -1.4 | 2.8 | 151 | 4.9 | -2.4 | 4.3 | 294 | 1.3 | 1.2 | -.6 | 138 | 3.2 | -2.1 | 2.4 | 2276 |
| 800 | 160 | 3.8 | -1.3 | 3.6 | 167 | 3.8 | -.8 | 3.7 | 145 | 2.0 | -1.2 | 1.7 | 134 | 2.4 | -1.7 | 1.7 | 2007 |
| 825 | 145 | 5.4 | -3.1 | 4.4 | 175 | 4.2 | -.4 | 4.2 | 152 | 3.3 | -1.6 | 2.9 | 130 | 4.4 | -3.4 | 2.9 | 1745 |
| 850 | 133 | 7.0 | -5.1 | 4.7 | 148 | 6.9 | -3.7 | 5.9 | 203 | 1.7 | .7 | 1.6 | 129 | 6.2 | -4.8 | 4.0 | 1490 |
| 875 | 130 | 8.6 | -6.6 | 5.5 | 134 | 10.5 | -7.6 | 7.3 | 3 207 | 1.0 | .5 | .9 | 135 | 6.3 | -4.5 | 4.4 | 1242 |
| 900 | 133 | 9.7 | -7.1 | 6.6 | 132 | 12.3 | -9.1 | 8.3 | 134 | 6.2 | -4.5 | 4.3 | 142 | 6.3 | -3.9 | 4.9 | 999 |
| 925 | 139 | 9.4 | -6.2 | 7.1 | 137 | 12.0 | -8.2 | 8.8 | 136 | 9.6 | -6.7 | 6.8 | 138 | 6.2 | -4.1 | 4.6 | 762 |
| 950 | 147 | 8.0 | -4.4 | 6.7 | 143 | 10.3 | -6.2 | 8.2 | 139 | 8.2 | -5.4 | 6.2 | 130 | 5.8 | -4.4 | 3.8 | 529 |
| 975 | 150 | 6.6 | -3.3 | 5.7 | 146 | 8.2 | -4.5 | 6.8 | 137 | 7.5 | -5.1 | 5.4 | 128 | 5.4 | -4.2 | 3.4 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/15 1147 GMT | | | | 4/15 1717 GMT | | | | 4/15 1915 GMT | | | | 4/15 2240 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 273 | 19.8 | 19.8 | -1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 272 | 17.2 | 17.2 | -.5 | 19517 |
| 70 | 274 | 11.2 | 11.1 | -.9 | 274 | 11.4 | 11.4 | -.7 | 261 | 8.0 | 7.9 | 1.3 | 289 | 10.9 | 10.3 | -3.6 | 18589 |
| 80 | 262 | 5.1 | 5.0 | .7 | 280 | 6.8 | 6.7 | -1.2 | 284 | 6.1 | 6.0 | -1.5 | 3 239 | 4.7 | 4.1 | 2.4 | 17801 |
| 90 | 274 | 10.5 | 10.5 | -.7 | 287 | 13.5 | 12.9 | -4.0 | 300 | 10.0 | 8.7 | -4.9 | 1 309 | 6.5 | 5.0 | -4.1 | 17121 |
| 100 | 262 | 8.3 | 8.3 | 1.1 | 284 | 11.8 | 11.4 | -2.9 | 292 | 15.1 | 14.0 | -5.7 | 282 | 10.2 | 10.0 | -2.2 | 16521 |
| 110 | 252 | 10.1 | 9.6 | 3.1 | 236 | 11.8 | 9.9 | 6.5 | 241 | 12.1 | 10.6 | 5.9 | 246 | 12.9 | 11.8 | 5.2 | 15978 |
| 120 | 287 | 11.9 | 11.4 | -3.5 | 258 | 8.4 | 8.3 | 1.8 | 268 | 9.6 | 9.6 | .3 | 259 | 8.5 | 8.3 | 1.6 | 15479 |
| 130 | 314 | 16.3 | 11.8 | -11.2 | 317 | 9.2 | 6.3 | -6.8 | 300 | 8.5 | 7.3 | -4.2 | 283 | 10.9 | 10.6 | -2.4 | 15014 |
| 140 | 313 | 19.2 | 14.1 | -13.0 | 321 | 12.2 | 7.6 | -9.5 | 298 | 9.6 | 8.5 | -4.5 | 305 | 16.8 | 13.8 | -9.6 | 14578 |
| 150 | 298 | 19.1 | 17.0 | -8.9 | 312 | 16.2 | 12.1 | -10.8 | 294 | 11.7 | 10.7 | -4.8 | 304 | 19.9 | 16.4 | -11.3 | 14167 |
| 160 | 286 | 16.5 | 15.9 | -4.5 | 309 | 19.6 | 15.2 | -12.3 | 301 | 16.1 | 13.8 | -8.2 | 296 | 22.1 | 19.9 | -9.5 | 13776 |
| 170 | 286 | 15.6 | 15.0 | -4.3 | 305 | 20.6 | 16.8 | -12.0 | 301 | 22.1 | 18.9 | -11.3 | 296 | 22.5 | 20.3 | -9.7 | 13404 |
| 180 | 292 | 16.6 | 15.4 | -6.3 | 296 | 18.7 | 16.9 | -8.2 | 293 | 21.3 | 19.6 | -8.3 | 292 | 20.6 | 19.0 | -7.8 | 13049 |
| 190 | 301 | 16.4 | 14.1 | -8.4 | 291 | 17.2 | 16.0 | -6.2 | 281 | 16.6 | 16.3 | -3.2 | 295 | 15.9 | 14.4 | -6.7 | 12709 |
| 200 | 305 | 17.6 | 14.4 | -10.2 | 293 | 15.9 | 14.7 | -6.2 | 280 | 13.6 | 13.4 | -2.4 | 301 | 12.4 | 10.6 | -6.3 | 12383 |
| 225 | 295 | 17.9 | 16.3 | -7.5 | 295 | 15.3 | 13.9 | -6.4 | 283 | 11.6 | 11.3 | -2.6 | 293 | 9.2 | 8.4 | -3.6 | 11617 |
| 250 | 301 | 16.6 | 14.2 | -8.5 | 304 | 12.9 | 10.7 | -7.3 | 304 | 9.6 | 8.0 | -5.3 | 296 | 11.6 | 10.4 | -5.1 | 10914 |
| 275 | 321 | 10.3 | 6.5 | -8.1 | 315 | 11.5 | 8.2 | -8.1 | 326 | 8.7 | 4.9 | -7.1 | 299 | 6.6 | 5.8 | -3.2 | 10262 |
| 300 | 318 | 7.9 | 5.2 | -5.9 | 313 | 5.9 | 4.3 | -4.0 | 335 | 3.6 | 1.5 | -3.3 | 234 | 1.3 | 1.0 | .7 | 9654 |
| 325 | 305 | 7.3 | 6.0 | -4.2 | 260 | 3.0 | 2.9 | .5 | 212 | 4.5 | 2.4 | 3.8 | 227 | 6.1 | 4.5 | 4.2 | 9084 |
| 350 | 246 | 4.2 | 3.8 | 1.7 | 232 | 3.7 | 2.9 | 2.3 | 218 | 5.5 | 3.4 | 4.3 | 227 | 7.9 | 5.7 | 5.4 | 8546 |
| 375 | 234 | 5.6 | 4.5 | 3.3 | 244 | 5.1 | 4.6 | 2.2 | 221 | 7.0 | 4.6 | 5.2 | 216 | 4.4 | 2.6 | 3.5 | 8039 |
| 400 | 265 | 4.9 | 4.9 | .5 | 283 | 5.1 | 4.9 | -1.2 | 249 | 6.8 | 6.3 | 2.4 | 247 | 5.8 | 5.3 | 2.2 | 7557 |
| 425 | 295 | 2.8 | 2.5 | -1.1 | 302 | 5.1 | 4.4 | -2.7 | 284 | 5.2 | 5.0 | -1.2 | 13 | 1.3 | -.3 | -1.2 | 7099 |
| 450 | 293 | 4.9 | 4.6 | -1.9 | 343 | 4.4 | 1.3 | -4.2 | 358 | 2.3 | .1 | -2.3 | 121 | 1.2 | -1.0 | .6 | 6662 |
| 475 | 295 | 5.0 | 4.5 | -2.2 | 1 | 2.4 | -.1 | -2.4 | 1 | 2.5 | -.0 | -2.5 | 12 | 1.5 | -.3 | -1.5 | 6244 |
| 500 | 326 | 6.1 | 3.4 | -5.0 | 341 | 3.9 | 1.3 | -3.7 | 345 | 4.5 | 1.1 | -4.3 | 17 | 1.9 | -.6 | -1.8 | 5844 |
| 525 | 309 | 6.8 | 5.3 | -4.3 | 319 | 4.4 | 2.9 | -3.3 | 321 | 2.3 | 1.5 | -1.8 | 257 | 1.1 | 1.1 | .2 | 5460 |
| 550 | 280 | 6.1 | 6.0 | -1.0 | 285 | 4.1 | 3.9 | -1.1 | 255 | 3.3 | 3.2 | .8 | 226 | 4.7 | 3.4 | 3.3 | 5091 |
| 575 | 278 | 6.3 | 6.2 | -.9 | 257 | 5.1 | 4.9 | 1.1 | 270 | 3.3 | 3.3 | .0 | 234 | 5.2 | 4.2 | 3.0 | 4736 |
| 600 | 301 | 5.6 | 4.8 | -2.9 | 298 | 4.4 | 3.9 | -2.1 | 295 | 3.9 | 3.5 | -1.7 | 247 | 2.5 | 2.3 | 1.0 | 4393 |
| 625 | 292 | 3.8 | 3.5 | -1.4 | 288 | 3.2 | 3.1 | -1.0 | 287 | 3.3 | 3.2 | -.9 | 220 | 3.8 | 2.5 | 3.0 | 4062 |
| 650 | 267 | 3.9 | 3.9 | .2 | 221 | 3.5 | 2.3 | 2.7 | 231 | 2.9 | 2.2 | 1.8 | 204 | 5.5 | 2.3 | 5.0 | 3742 |
| 675 | 195 | 2.5 | .6 | 2.4 | 190 | 6.4 | 1.1 | 6.3 | 212 | 4.7 | 2.4 | 4.0 | 192 | 6.6 | 1.3 | 6.5 | 3431 |
| 700 | 149 | 4.6 | -2.4 | 3.9 | 194 | 5.9 | 1.4 | 5.7 | 218 | 4.1 | 2.5 | 3.2 | 200 | 5.9 | 2.1 | 5.5 | 3130 |
| 725 | 269 | 1.1 | 1.1 | .0 | 183 | 3.1 | .2 | 3.1 | 196 | 3.5 | 1.0 | 3.4 | 220 | 4.1 | 2.6 | 3.1 | 2837 |
| 750 | 293 | 2.1 | 1.9 | -.8 | 166 | 3.5 | -.9 | 3.4 | 173 | 4.5 | -.5 | 4.5 | 231 | 4.3 | 3.3 | 2.7 | 2553 |
| 775 | 160 | 2.6 | -.9 | 2.4 | 160 | 3.9 | -1.3 | 3.6 | 166 | 4.3 | -1.0 | 4.1 | 236 | 5.0 | 4.2 | 2.8 | 2276 |
| 800 | 147 | 2.9 | -1.6 | 2.4 | 151 | 4.9 | -2.4 | 4.3 | 154 | 4.6 | -2.0 | 4.1 | 225 | 4.6 | 3.2 | 3.2 | 2007 |
| 825 | 133 | 4.4 | -3.2 | 3.0 | 153 | 7.9 | -3.6 | 7.0 | 149 | 7.3 | -3.7 | 6.3 | 3 202 | 5.1 | 1.9 | 4.7 | 1745 |
| 850 | 134 | 7.5 | -5.4 | 5.2 | 152 | 9.8 | -4.6 | 8.7 | 151 | 9.5 | -4.6 | 8.4 | 3 187 | 5.8 | .8 | 5.8 | 1490 |
| 875 | 131 | 8.8 | -6.7 | 5.8 | 149 | 9.5 | -5.0 | 8.1 | 149 | 10.1 | -5.2 | 8.7 | 170 | 6.2 | -1.1 | 6.1 | 1242 |
| 900 | 121 | 8.9 | -7.6 | 4.6 | 148 | 9.5 | -5.0 | 8.1 | 141 | 9.9 | -6.3 | 7.7 | 155 | 7.4 | -3.2 | 6.7 | 999 |
| 925 | 122 | 8.0 | -6.8 | 4.2 | 149 | 9.3 | -4.8 | 8.0 | 135 | 8.8 | -6.2 | 6.2 | 147 | 7.5 | -4.1 | 6.4 | 762 |
| 950 | 135 | 6.9 | -4.8 | 4.9 | 148 | 7.6 | -4.0 | 6.5 | 136 | 7.1 | -4.9 | 5.1 | 145 | 5.7 | -3.2 | 4.7 | 529 |
| 975 | 141 | 6.4 | -4.0 | 5.0 | 148 | 5.9 | -3.2 | 5.0 | 138 | 6.5 | -4.3 | 4.9 | 148 | 4.1 | -2.2 | 3.5 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/16 115 GMT | | | | 4/16 554 GMT | | | | 4/16 1148 GMT | | | | 4/17 1736 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 24.8 | 24.8 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 288 | 12.4 | 11.8 | -3.9 | | 288 | 11.4 | 10.8 | -3.6 | | 269 | 13.6 | 13.6 | .3 | | 276 | 19.9 | 19.8 | -2.0 | 18589 |
| 80 | | 237 | 7.7 | 6.4 | 4.2 | | 237 | 8.1 | 6.8 | 4.4 | | 296 | 12.4 | 11.1 | -5.5 | | 260 | 10.1 | 9.9 | 1.7 | 17801 |
| 90 | | 272 | 6.1 | 6.1 | -.3 | | 263 | 5.4 | 5.3 | .6 | | 262 | 12.3 | 12.2 | 1.6 | | 284 | 17.8 | 17.2 | -4.4 | 17121 |
| 100 | | 298 | 8.9 | 7.9 | -4.2 | | 312 | 9.3 | 7.0 | -6.2 | | 283 | 9.1 | 8.8 | -2.1 | | 295 | 9.8 | 8.8 | -4.2 | 16521 |
| 110 | | 246 | 13.2 | 12.0 | 5.4 | | 268 | 9.2 | 9.2 | .3 | | 281 | 9.4 | 9.2 | -1.9 | | 262 | 12.3 | 12.1 | 1.7 | 15978 |
| 120 | | 266 | 9.7 | 9.7 | .6 | | 249 | 8.2 | 7.6 | 3.0 | | 267 | 6.8 | 6.8 | .4 | | 266 | 14.4 | 14.4 | .9 | 15479 |
| 130 | | 296 | 11.9 | 10.7 | -5.2 | | 300 | 10.6 | 9.1 | -5.3 | | 300 | 5.8 | 5.0 | -2.9 | | 280 | 12.9 | 12.7 | -2.2 | 15014 |
| 140 | | 304 | 17.6 | 14.6 | -9.8 | | 306 | 16.5 | 13.3 | -9.7 | | 304 | 12.3 | 10.2 | -6.9 | | 306 | 9.6 | 7.7 | -5.7 | 14578 |
| 150 | | 303 | 19.5 | 16.3 | -10.7 | | 295 | 18.3 | 16.5 | -7.8 | | 289 | 20.0 | 18.9 | -6.4 | | 319 | 18.3 | 12.0 | -13.7 | 14167 |
| 160 | | 296 | 20.2 | 18.2 | -8.8 | | 290 | 19.7 | 18.5 | -6.8 | | 283 | 21.6 | 21.1 | -4.8 | | 312 | 28.1 | 20.9 | -18.7 | 13776 |
| 170 | | 296 | 20.4 | 18.3 | -9.0 | | 297 | 17.0 | 15.2 | -7.8 | | 290 | 19.0 | 17.8 | -6.5 | | 307 | 28.8 | 23.1 | -17.2 | 13404 |
| 180 | | 299 | 19.3 | 16.9 | -9.4 | | 303 | 19.4 | 16.3 | -10.5 | | 290 | 19.5 | 18.3 | -6.8 | | 301 | 25.2 | 21.5 | -13.1 | 13049 |
| 190 | | 301 | 16.8 | 14.5 | -8.5 | | 305 | 19.0 | 15.6 | -10.8 | | 292 | 20.2 | 18.8 | -7.5 | | 296 | 22.4 | 20.2 | -9.8 | 12709 |
| 200 | | 296 | 12.1 | 10.8 | -5.3 | | 306 | 16.8 | 13.6 | -9.8 | | 298 | 20.1 | 17.7 | -9.5 | | 294 | 20.4 | 18.6 | -8.2 | 12383 |
| 225 | | 277 | 6.2 | 6.2 | -.8 | | 286 | 12.3 | 11.8 | -3.4 | | 306 | 17.6 | 14.1 | -10.4 | | 273 | 16.2 | 16.2 | -.8 | 11617 |
| 250 | | 300 | 9.3 | 8.1 | -4.6 | | 293 | 5.4 | 5.0 | -2.1 | | 306 | 12.1 | 9.8 | -7.1 | | 285 | 12.0 | 11.6 | -3.1 | 10914 |
| 275 | | 312 | 9.2 | 6.9 | -6.1 | | 288 | 5.7 | 5.5 | -1.8 | | 283 | 11.8 | 11.5 | -2.7 | | 304 | 11.4 | 9.4 | -6.3 | 10262 |
| 300 | | 282 | 10.9 | 10.7 | -2.2 | | 303 | 6.5 | 5.5 | -3.6 | | 286 | 8.9 | 8.5 | -2.5 | | 304 | 15.5 | 12.8 | -8.8 | 9654 |
| 325 | | 272 | 11.1 | 11.1 | -.4 | | 303 | 8.1 | 6.8 | -4.4 | | 236 | 2.5 | 2.1 | 1.4 | | 298 | 13.6 | 12.0 | -6.4 | 9084 |
| 350 | | 216 | 6.2 | 3.7 | 5.0 | | 294 | 8.9 | 8.2 | -3.6 | | 250 | 5.8 | 5.4 | 2.0 | | 299 | 5.9 | 5.2 | -2.9 | 8546 |
| 375 | | 223 | 9.1 | 6.2 | 6.6 | | 286 | 10.4 | 10.0 | -2.9 | | 274 | 8.3 | 8.3 | -.6 | | 278 | 2.7 | 2.7 | -.4 | 8039 |
| 400 | | 232 | 8.2 | 6.5 | 5.1 | | 281 | 8.4 | 8.3 | -1.6 | | 257 | 6.5 | 6.4 | 1.5 | | 258 | 6.5 | 6.3 | 1.3 | 7557 |
| 425 | | 230 | 4.0 | 3.1 | 2.6 | | 238 | 4.6 | 3.9 | 2.4 | | 244 | 6.3 | 5.7 | 2.7 | | 252 | 4.8 | 4.6 | 1.5 | 7099 |
| 450 | | 59 | 1.6 | -1.4 | -.8 | | 193 | 2.8 | .6 | 2.7 | | 238 | 6.6 | 5.6 | 3.5 | | 247 | 5.3 | 4.8 | 2.1 | 6662 |
| 475 | | 8 | .7 | -.1 | -.7 | | 207 | 2.6 | 1.2 | 2.3 | 3 | 229 | 4.3 | 3.3 | 2.8 | | 258 | 7.5 | 7.3 | 1.6 | 6244 |
| 500 | | 1 | 1.4 | -.0 | -1.4 | | 248 | 1.6 | 1.5 | .6 | 3 | 213 | 2.2 | 1.2 | 1.8 | | 255 | 5.4 | 5.2 | 1.4 | 5844 |
| 525 | | 292 | 2.8 | 2.6 | -1.0 | | 242 | 3.5 | 3.1 | 1.7 | | 229 | 1.6 | 1.2 | 1.0 | | 284 | 4.4 | 4.2 | -1.0 | 5460 |
| 550 | | 249 | 5.6 | 5.2 | 2.0 | | 258 | 6.3 | 6.1 | 1.3 | | 244 | 5.0 | 4.5 | 2.2 | 3 | 293 | 4.7 | 4.4 | -1.8 | 5091 |
| 575 | | 246 | 5.1 | 4.6 | 2.0 | | 266 | 8.1 | 8.1 | .6 | | 255 | 7.3 | 7.1 | 1.9 | 3 | 272 | 5.5 | 5.5 | -.2 | 4736 |
| 600 | | 274 | 4.2 | 4.1 | -.3 | | 273 | 7.7 | 7.6 | -.5 | | 269 | 8.8 | 8.8 | .2 | | 264 | 5.3 | 5.2 | .6 | 4393 |
| 625 | | 257 | 4.0 | 3.9 | .9 | | 268 | 3.4 | 3.4 | .1 | | 266 | 8.3 | 8.3 | .6 | | 258 | 3.8 | 3.7 | .8 | 4062 |
| 650 | | 224 | 5.7 | 4.0 | 4.1 | | 228 | 3.9 | 2.9 | 2.6 | | 247 | 7.0 | 6.4 | 2.7 | | 238 | 2.8 | 2.4 | 1.5 | 3742 |
| 675 | | 209 | 6.2 | 3.1 | 5.4 | | 222 | 5.7 | 3.8 | 4.2 | | 221 | 6.8 | 4.4 | 5.1 | | 214 | 4.3 | 2.4 | 3.6 | 3431 |
| 700 | | 202 | 5.7 | 2.1 | 5.3 | | 209 | 5.3 | 2.6 | 4.6 | | 204 | 7.4 | 3.0 | 6.7 | | 186 | 6.6 | .6 | 6.6 | 3130 |
| 725 | | 211 | 4.3 | 2.2 | 3.7 | | 206 | 5.4 | 2.4 | 4.8 | | 205 | 7.3 | 3.1 | 6.6 | | 178 | 7.0 | -.2 | 7.0 | 2837 |
| 750 | | 212 | 4.6 | 2.4 | 3.9 | | 228 | 4.8 | 3.6 | 3.2 | | 214 | 6.1 | 3.4 | 5.1 | | 183 | 5.2 | .3 | 5.2 | 2553 |
| 775 | | 215 | 5.0 | 2.9 | 4.1 | | 246 | 4.6 | 4.2 | 1.8 | | 219 | 4.2 | 2.7 | 3.3 | | 176 | 4.0 | -.3 | 4.0 | 2276 |
| 800 | | 221 | 4.4 | 2.9 | 3.3 | | 246 | 4.3 | 4.0 | 1.8 | | 215 | 3.7 | 2.2 | 3.1 | | 163 | 3.0 | -.9 | 2.8 | 2007 |
| 825 | | 225 | 4.0 | 2.8 | 2.9 | | 252 | 4.4 | 4.2 | 1.4 | | 193 | 4.7 | 1.1 | 4.6 | | 151 | 1.5 | -.7 | 1.4 | 1745 |
| 850 | | 237 | 4.5 | 3.8 | 2.5 | | 231 | 3.9 | 3.0 | 2.5 | | 174 | 5.5 | -.6 | 5.5 | | 129 | 1.6 | -1.3 | 1.0 | 1490 |
| 875 | | 216 | 4.5 | 2.6 | 3.6 | | 177 | 6.1 | -.3 | 6.1 | | 168 | 5.5 | -1.2 | 5.4 | | 131 | 3.0 | -2.3 | 2.0 | 1242 |
| 900 | | 168 | 5.7 | -1.2 | 5.6 | | 159 | 9.4 | -3.4 | 8.8 | | 165 | 6.1 | -1.6 | 5.8 | | 137 | 4.3 | -2.9 | 3.1 | 999 |
| 925 | | 148 | 7.3 | -3.9 | 6.2 | | 153 | 10.3 | -4.7 | 9.2 | | 160 | 6.7 | -2.2 | 6.3 | | 135 | 4.9 | -3.4 | 3.4 | 762 |
| 950 | | 143 | 6.7 | -4.0 | 5.4 | | 153 | 9.3 | -4.2 | 8.3 | | 159 | 6.0 | -2.1 | 5.6 | | 127 | 5.1 | -4.1 | 3.0 | 529 |
| 975 | | 150 | 5.1 | -2.5 | 4.5 | | 161 | 7.4 | -2.5 | 7.0 | | 161 | 4.5 | -1.4 | 4.3 | | 123 | 5.0 | -4.2 | 2.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| P | 4/17 1921 GMT I | DD | FF | U | V | 4/17 23 4 GMT I | DD | FF | U | V | 4/18 137 GMT I | DD | FF | U | V | 4/18 543 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 272 | 22.4 | 22.4 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 16.5 | 16.5 | .9 | | 271 | 16.7 | 16.7 | -.2 | 18589 |
| 80 | | 270 | 13.1 | 13.1 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 11.9 | 11.9 | -.4 | | 257 | 8.1 | 7.9 | 1.8 | 17801 |
| 90 | | 281 | 11.7 | 11.5 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 11.2 | 11.2 | -.1 | | 280 | 11.4 | 11.2 | -2.1 | 17121 |
| 100 | | 292 | 9.9 | 9.2 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 9.0 | 8.9 | -1.0 | | 272 | 11.9 | 11.9 | -.4 | 16521 |
| 110 | | 266 | 15.0 | 15.0 | 1.1 | | 279 | 15.5 | 15.3 | -2.3 | | 267 | 13.0 | 13.0 | .7 | | 267 | 13.3 | 13.3 | .7 | 15978 |
| 120 | | 265 | 12.6 | 12.6 | 1.2 | | 273 | 14.2 | 14.2 | -.8 | | 273 | 21.2 | 21.2 | -.9 | | 272 | 17.8 | 17.8 | -.7 | 15479 |
| 130 | | 274 | 12.6 | 12.6 | -.9 | | 264 | 9.2 | 9.2 | .9 | | 275 | 8.2 | 8.2 | -.7 | | 282 | 10.9 | 10.7 | -2.2 | 15014 |
| 140 | | 306 | 9.5 | 7.7 | -5.6 | | 275 | 10.9 | 10.9 | -1.0 | | 308 | 8.1 | 6.4 | -5.0 | | 308 | 10.3 | 8.2 | -6.3 | 14578 |
| 150 | | 319 | 19.0 | 12.5 | -14.3 | | 313 | 15.4 | 11.3 | -10.5 | | 312 | 16.7 | 12.5 | -11.1 | | 319 | 13.8 | 9.2 | -10.4 | 14167 |
| 160 | | 315 | 25.4 | 18.1 | -17.9 | | 319 | 23.3 | 15.2 | -17.7 | | 305 | 31.9 | 26.0 | -18.4 | | 316 | 20.2 | 14.1 | -14.5 | 13776 |
| 170 | | 309 | 26.8 | 20.8 | -16.9 | | 312 | 29.8 | 22.2 | -19.8 | | 312 | 27.0 | 20.2 | -18.0 | | 308 | 24.0 | 18.8 | -14.9 | 13404 |
| 180 | | 306 | 27.5 | 22.4 | -16.0 | | 309 | 27.3 | 21.4 | -17.0 | | 310 | 24.9 | 19.1 | -16.0 | | 307 | 22.5 | 18.1 | -13.4 | 13049 |
| 190 | | 300 | 24.4 | 21.1 | -12.3 | | 302 | 24.9 | 21.0 | -13.3 | | 302 | 18.8 | 15.9 | -10.0 | | 305 | 23.2 | 18.9 | -13.4 | 12709 |
| 200 | | 292 | 20.2 | 18.7 | -7.7 | | 300 | 22.9 | 19.9 | -11.4 | | 292 | 14.1 | 13.0 | -5.4 | | 304 | 22.6 | 18.7 | -12.7 | 12383 |
| 225 | | 277 | 16.5 | 16.4 | -1.9 | | 284 | 16.7 | 16.2 | -4.1 | | 277 | 17.0 | 16.8 | -2.1 | | 294 | 19.1 | 17.5 | -7.6 | 11617 |
| 250 | | 281 | 14.3 | 14.0 | -2.9 | | 275 | 13.7 | 13.6 | -1.3 | | 284 | 16.1 | 15.7 | -3.9 | | 291 | 19.4 | 18.1 | -7.0 | 10914 |
| 275 | | 284 | 11.5 | 11.2 | -2.7 | | 291 | 16.3 | 15.2 | -5.8 | | 296 | 21.5 | 19.4 | -9.4 | | 300 | 22.3 | 19.3 | -11.1 | 10262 |
| 300 | | 296 | 13.7 | 12.3 | -6.0 | | 298 | 20.5 | 18.1 | -9.6 | | 296 | 18.3 | 16.5 | -8.0 | | 305 | 22.6 | 18.5 | -13.1 | 9654 |
| 325 | | 299 | 14.2 | 12.4 | -7.0 | | 284 | 11.9 | 11.5 | -2.9 | | 287 | 13.6 | 13.1 | -4.0 | | 298 | 13.6 | 12.0 | -6.3 | 9084 |
| 350 | | 294 | 5.6 | 5.1 | -2.3 | | 285 | 9.3 | 9.0 | -2.4 | | 273 | 7.9 | 7.9 | -.4 | | 282 | 6.7 | 6.5 | -1.4 | 8546 |
| 375 | | 328 | 1.2 | .6 | -1.0 | | 256 | 4.9 | 4.7 | 1.2 | | 261 | 5.2 | 5.1 | .8 | | 258 | 3.2 | 3.2 | .7 | 8039 |
| 400 | | 275 | 4.5 | 4.4 | -.4 | | 242 | 3.4 | 3.0 | 1.6 | | 234 | 4.6 | 3.7 | 2.7 | | 252 | 3.5 | 3.3 | 1.1 | 7557 |
| 425 | | 235 | 6.2 | 5.1 | 3.6 | | 230 | 7.0 | 5.3 | 4.5 | | 227 | 5.6 | 4.1 | 3.8 | | 256 | 4.5 | 4.4 | 1.1 | 7099 |
| 450 | | 224 | 5.3 | 3.7 | 3.8 | | 241 | 7.8 | 6.8 | 3.8 | | 262 | 6.5 | 6.4 | .9 | | 281 | 5.4 | 5.3 | -1.1 | 6662 |
| 475 | | 255 | 5.8 | 5.6 | 1.5 | | 256 | 6.6 | 6.4 | 1.6 | | 279 | 7.5 | 7.4 | -1.2 | | 315 | 7.5 | 5.3 | -5.3 | 6244 |
| 500 | | 260 | 5.9 | 5.9 | 1.0 | | 261 | 5.4 | 5.3 | .8 | | 274 | 6.8 | 6.8 | -.5 | | 318 | 5.8 | 3.9 | -4.3 | 5844 |
| 525 | | 281 | 4.0 | 3.9 | -.8 | | 268 | 3.4 | 3.4 | .1 | | 252 | 5.1 | 4.9 | 1.6 | | 294 | 4.5 | 4.1 | -1.9 | 5460 |
| 550 | | 285 | 3.4 | 3.3 | -.8 | | 307 | 2.9 | 2.3 | -1.7 | | 259 | 3.5 | 3.5 | .6 | | 273 | 3.9 | 3.9 | -.2 | 5091 |
| 575 | | 255 | 5.1 | 5.0 | 1.3 | | 268 | 4.0 | 4.0 | .1 | | 248 | 3.2 | 3.0 | 1.2 | | 275 | 3.0 | 3.0 | -.3 | 4736 |
| 600 | | 260 | 4.1 | 4.1 | .7 | | 246 | 4.3 | 4.0 | 1.7 | | 233 | 5.1 | 4.1 | 3.1 | | 245 | 4.1 | 3.7 | 1.8 | 4393 |
| 625 | | 281 | 1.7 | 1.7 | -.3 | | 239 | 2.9 | 2.5 | 1.5 | | 227 | 4.1 | 3.0 | 2.8 | | 223 | 5.3 | 3.6 | 3.8 | 4062 |
| 650 | | 226 | 2.4 | 1.7 | 1.7 | | 187 | 1.9 | .2 | 1.8 | | 180 | 1.6 | -.0 | 1.6 | | 227 | 2.6 | 1.9 | 1.8 | 3742 |
| 675 | | 213 | 4.5 | 2.5 | 3.8 | | 182 | 3.6 | .1 | 3.6 | | 206 | 2.5 | 1.1 | 2.3 | | 215 | 1.9 | 1.1 | 1.6 | 3431 |
| 700 | | 184 | 5.9 | .4 | 5.9 | | 188 | 5.5 | .8 | 5.4 | | 192 | 4.1 | .9 | 4.0 | | 195 | 3.3 | .9 | 3.2 | 3130 |
| 725 | | 177 | 5.6 | -.3 | 5.6 | | 176 | 5.0 | -.4 | 5.0 | | 163 | 5.3 | -1.5 | 5.1 | | 163 | 4.8 | -1.4 | 4.6 | 2837 |
| 750 | | 177 | 4.5 | -.2 | 4.5 | | 155 | 4.0 | -1.7 | 3.6 | | 151 | 4.1 | -2.0 | 3.5 | | 148 | 5.4 | -2.9 | 4.6 | 2553 |
| 775 | | 170 | 3.8 | -.7 | 3.7 | | 145 | 4.1 | -2.4 | 3.3 | | 140 | 3.2 | -2.1 | 2.5 | | 143 | 3.8 | -2.3 | 3.0 | 2276 |
| 800 | | 154 | 2.7 | -1.2 | 2.4 | | 138 | 3.3 | -2.2 | 2.5 | | 126 | 2.4 | -2.0 | 1.4 | | 121 | 2.5 | -2.2 | 1.3 | 2007 |
| 825 | | 147 | 1.4 | -.8 | 1.2 | | 122 | 2.4 | -2.0 | 1.3 | | 89 | 1.9 | -1.9 | -.0 | | 91 | 2.4 | -2.4 | .0 | 1745 |
| 850 | | 149 | 1.9 | -1.0 | 1.7 | | 125 | 2.8 | -2.3 | 1.6 | | 88 | 2.0 | -2.0 | -.1 | | 76 | 2.8 | -2.7 | -.7 | 1490 |
| 875 | | 144 | 4.1 | -2.4 | 3.3 | | 127 | 3.9 | -3.1 | 2.3 | | 113 | 3.2 | -3.0 | 1.3 | | 81 | 3.8 | -3.7 | -.6 | 1242 |
| 900 | | 136 | 5.4 | -3.7 | 3.9 | | 122 | 4.6 | -3.9 | 2.4 | | 111 | 4.3 | -4.0 | 1.6 | | 82 | 4.6 | -4.5 | -.6 | 999 |
| 925 | | 125 | 5.7 | -4.7 | 3.2 | | 122 | 5.0 | -4.2 | 2.6 | | 103 | 4.5 | -4.4 | 1.0 | | 80 | 4.3 | -4.3 | -.7 | 762 |
| 950 | | 118 | 5.7 | -5.0 | 2.6 | | 125 | 5.2 | -4.3 | 3.0 | | 99 | 4.2 | -4.1 | .7 | | 83 | 4.1 | -4.1 | -.5 | 529 |
| 975 | | 125 | 4.9 | -4.1 | 2.8 | | 123 | 5.1 | -4.3 | 2.7 | | 98 | 3.6 | -3.6 | .5 | | 83 | 5.1 | -5.0 | -.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/18 1147 GMT | | | | 4/18 1755 GMT | | | | 4/18 2339 GMT | | | | 4/19 557 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 264 | 16.5 | 16.4 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 246 | 18.1 | 16.6 | 7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 262 | 19.6 | 19.4 | 2.8 | | 255 | 18.1 | 17.5 | 4.8 | | 275 | 18.2 | 18.2 | -1.4 | | 279 | 15.1 | 14.9 | -2.3 | 18589 |
| 80 | | 254 | 9.4 | 9.0 | 2.7 | | 240 | 7.3 | 6.3 | 3.6 | | 258 | 8.2 | 8.1 | 1.7 | | 247 | 8.4 | 7.7 | 3.2 | 17801 |
| 90 | | 264 | 7.6 | 7.6 | .8 | | 278 | 12.7 | 12.6 | -1.7 | | 279 | 10.0 | 9.9 | -1.6 | | 277 | 8.4 | 8.4 | -1.0 | 17121 |
| 100 | | 245 | 11.7 | 10.6 | 5.0 | | 250 | 13.0 | 12.3 | 4.4 | | 261 | 11.7 | 11.6 | 1.7 | | 267 | 11.0 | 11.0 | .6 | 16521 |
| 110 | | 266 | 14.1 | 14.0 | 1.1 | | 260 | 13.9 | 13.7 | 2.4 | | 260 | 16.0 | 15.8 | 2.6 | | 266 | 14.2 | 14.2 | .9 | 15978 |
| 120 | | 259 | 14.7 | 14.5 | 2.7 | | 272 | 11.0 | 11.0 | -.3 | | 250 | 16.0 | 15.0 | 5.5 | | 262 | 20.6 | 20.4 | 3.0 | 15479 |
| 130 | | 243 | 10.3 | 9.2 | 4.7 | | 245 | 10.3 | 9.3 | 4.3 | | 229 | 14.2 | 10.7 | 9.3 | | 251 | 23.5 | 22.2 | 7.5 | 15014 |
| 140 | | 280 | 4.8 | 4.8 | -.8 | | 267 | 8.3 | 8.3 | .5 | | 228 | 12.7 | 9.5 | 8.4 | | 233 | 17.2 | 13.8 | 10.3 | 14578 |
| 150 | | 324 | 10.5 | 6.1 | -8.5 | | 311 | 13.3 | 10.0 | -8.7 | | 267 | 8.1 | 8.1 | .5 | | 231 | 13.9 | 10.8 | 8.7 | 14167 |
| 160 | | 315 | 22.0 | 15.5 | -15.6 | | 311 | 19.7 | 14.8 | -13.1 | | 314 | 12.6 | 9.1 | -8.7 | | 300 | 8.8 | 7.6 | -4.4 | 13776 |
| 170 | | 308 | 30.6 | 24.1 | -18.8 | | 304 | 24.4 | 20.2 | -13.7 | | 315 | 17.3 | 12.3 | -12.2 | | 325 | 11.6 | 6.7 | -9.4 | 13404 |
| 180 | | 305 | 26.6 | 21.8 | -15.2 | | 303 | 25.8 | 21.6 | -14.1 | | 310 | 21.7 | 16.6 | -13.9 | | 317 | 17.4 | 11.8 | -12.8 | 13049 |
| 190 | | 306 | 23.0 | 18.7 | -13.5 | | 307 | 25.1 | 20.0 | -15.2 | | 309 | 21.7 | 16.9 | -13.5 | | 308 | 21.6 | 17.0 | -13.3 | 12709 |
| 200 | | 309 | 21.2 | 16.5 | -13.3 | | 309 | 23.5 | 18.2 | -14.8 | | 305 | 18.7 | 15.3 | -10.7 | | 305 | 19.7 | 16.1 | -11.4 | 12383 |
| 225 | | 295 | 17.6 | 16.0 | -7.4 | | 288 | 14.3 | 13.7 | -4.4 | | 287 | 16.2 | 15.5 | -4.8 | | 292 | 15.0 | 13.9 | -5.6 | 11617 |
| 250 | | 294 | 17.9 | 16.3 | -7.3 | | 287 | 15.6 | 15.0 | -4.4 | | 295 | 15.2 | 13.8 | -6.3 | | 279 | 15.3 | 15.1 | -2.5 | 10914 |
| 275 | | 300 | 19.2 | 16.5 | -9.7 | | 302 | 19.3 | 16.4 | -10.2 | | 306 | 19.4 | 15.7 | -11.3 | | 277 | 17.0 | 16.9 | -1.9 | 10262 |
| 300 | 1 | 295 | 16.5 | 15.0 | -7.1 | | 290 | 12.4 | 11.7 | -4.2 | | 296 | 14.1 | 12.6 | -6.2 | | 291 | 19.2 | 18.0 | -6.8 | 9654 |
| 325 | 2 | 287 | 16.4 | 15.7 | -4.9 | | 286 | 10.4 | 10.0 | -2.9 | | 276 | 12.3 | 12.2 | -1.2 | | 301 | 14.1 | 12.1 | -7.2 | 9084 |
| 350 | | 276 | 13.4 | 13.3 | -1.4 | | 282 | 11.9 | 11.6 | -2.4 | | 270 | 12.9 | 12.9 | -.0 | | 281 | 11.1 | 10.9 | -2.1 | 8546 |
| 375 | | 270 | 10.2 | 10.2 | -.0 | | 259 | 8.6 | 8.4 | 1.6 | | 270 | 10.7 | 10.7 | .1 | | 246 | 8.6 | 7.8 | 3.5 | 8039 |
| 400 | | 251 | 4.8 | 4.5 | 1.6 | | 247 | 7.8 | 7.2 | 3.0 | | 239 | 7.7 | 6.6 | 3.9 | | 230 | 5.2 | 4.0 | 3.3 | 7557 |
| 425 | | 266 | 4.5 | 4.5 | .3 | | 272 | 7.9 | 7.9 | -.3 | | 251 | 7.8 | 7.3 | 2.5 | | 257 | 5.6 | 5.4 | 1.2 | 7099 |
| 450 | | | | | | | 251 | 7.4 | 7.0 | 2.4 | | 264 | 6.7 | 6.7 | .7 | | 258 | 5.2 | 5.0 | 1.1 | 6662 |
| 475 | | | | | | | 270 | 4.7 | 4.7 | .0 | | 286 | 4.1 | 4.0 | -1.1 | | 260 | 5.9 | 5.8 | 1.0 | 6244 |
| 500 | | | | | | | 322 | 1.6 | 1.0 | -1.3 | | 240 | 1.9 | 1.6 | .9 | | 201 | 2.0 | .7 | 1.8 | 5844 |
| 525 | | | | | | | 215 | 3.0 | 1.7 | 2.4 | | 229 | 4.8 | 3.6 | 3.2 | | 222 | 4.6 | 3.0 | 3.4 | 5460 |
| 550 | | 292 | 6.4 | 5.9 | -2.4 | | 222 | 2.4 | 1.6 | 1.8 | | 221 | 4.9 | 3.2 | 3.7 | | 254 | 5.2 | 5.0 | 1.4 | 5091 |
| 575 | | 260 | 4.5 | 4.4 | .8 | | 269 | 2.0 | 2.0 | .0 | | 191 | 3.5 | .7 | 3.4 | | 221 | 4.0 | 2.6 | 3.1 | 4736 |
| 600 | | 260 | 5.5 | 5.4 | .9 | | 254 | 2.8 | 2.7 | .7 | | 188 | 2.5 | .3 | 2.5 | | 202 | 2.5 | .9 | 2.3 | 4393 |
| 625 | | 265 | 3.4 | 3.4 | .3 | | 281 | 2.1 | 2.1 | -.4 | | 235 | 2.2 | 1.9 | 1.3 | | 60 | .7 | -.6 | -.4 | 4062 |
| 650 | | 261 | 2.7 | 2.6 | .4 | | 281 | 1.9 | 1.9 | -.4 | | 299 | 1.5 | 1.3 | -.7 | | 74 | 2.0 | -1.9 | -.6 | 3742 |
| 675 | | 212 | 2.2 | 1.2 | 1.8 | | 290 | 2.6 | 2.4 | -.9 | | 339 | 1.4 | .5 | -1.3 | | 84 | 3.1 | -3.0 | -.3 | 3431 |
| 700 | | 162 | 3.9 | -1.2 | 3.7 | | 222 | .2 | .2 | .2 | | 72 | 1.4 | -1.3 | -.4 | | 74 | 5.4 | -5.2 | -1.5 | 3130 |
| 725 | | 153 | 4.7 | -2.1 | 4.2 | | 125 | 3.0 | -2.5 | 1.8 | | 89 | 4.9 | -4.9 | -.1 | | 74 | 6.8 | -6.6 | -1.9 | 2837 |
| 750 | | 152 | 3.5 | -1.7 | 3.1 | | 105 | 3.8 | -3.7 | 1.0 | | 84 | 6.6 | -6.5 | -.7 | | 78 | 8.1 | -7.9 | -1.6 | 2553 |
| 775 | | 147 | 2.4 | -1.3 | 2.0 | | 91 | 3.8 | -3.8 | .0 | | 78 | 5.8 | -5.7 | -1.2 | | 78 | 8.0 | -7.8 | -1.7 | 2276 |
| 800 | | 129 | 1.7 | -1.3 | 1.1 | | 85 | 3.8 | -3.8 | -.3 | | 74 | 5.5 | -5.2 | -1.5 | | 66 | 8.0 | -7.3 | -3.3 | 2007 |
| 825 | | 83 | 2.1 | -2.0 | -.2 | | 84 | 4.3 | -4.3 | -.5 | | 75 | 5.3 | -5.1 | -1.4 | | 56 | 8.3 | -6.9 | -4.6 | 1745 |
| 850 | | 66 | 3.6 | -3.3 | -1.4 | | 80 | 5.1 | -5.1 | -.8 | | 74 | 4.9 | -4.7 | -1.3 | | 53 | 7.9 | -6.3 | -4.8 | 1490 |
| 875 | | 67 | 4.9 | -4.5 | -1.9 | | 77 | 6.5 | -6.3 | -1.5 | | 64 | 5.3 | -4.8 | -2.3 | | 53 | 8.6 | -6.9 | -5.2 | 1242 |
| 900 | | 72 | 5.8 | -5.5 | -1.8 | | 77 | 7.8 | -7.6 | -1.8 | | 57 | 6.7 | -5.6 | -3.7 | | 54 | 9.8 | -7.9 | -5.7 | 999 |
| 925 | | 74 | 6.0 | -5.8 | -1.7 | | 77 | 7.8 | -7.6 | -1.7 | | 62 | 7.1 | -6.3 | -3.4 | | 54 | 9.8 | -7.9 | -5.8 | 762 |
| 950 | | 74 | 5.5 | -5.3 | -1.5 | | 76 | 6.6 | -6.4 | -1.6 | | 67 | 6.3 | -5.8 | -2.4 | | 50 | 9.1 | -7.0 | -5.8 | 529 |
| 975 | | 75 | 5.0 | -4.8 | -1.3 | | 66 | 5.6 | -5.1 | -2.3 | | 69 | 6.3 | -5.9 | -2.2 | | 53 | 8.8 | -7.1 | -5.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/19 1210 GMT | | | | 4/19 17 5 GMT | | | | 4/19 1937 GMT | | | | 4/19 2328 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 247 | 9.7 | 8.9 | 3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 15.6 | 14.5 | 5.6 | 19517 |
| 70 | | 277 | 14.9 | 14.8 | -1.8 | | 274 | 8.5 | 8.5 | -.6 | | 253 | 10.5 | 10.0 | 3.1 | | 263 | 10.6 | 10.5 | 1.2 | 18589 |
| 80 | | 261 | 11.6 | 11.4 | 1.9 | | 276 | 10.8 | 10.7 | -1.2 | | 282 | 10.3 | 10.1 | -2.1 | | 286 | 7.7 | 7.4 | -2.1 | 17801 |
| 90 | | 259 | 9.3 | 9.1 | 1.8 | | 280 | 7.7 | 7.6 | -1.4 | | 292 | 5.8 | 5.4 | -2.1 | | 277 | 5.8 | 5.8 | -.7 | 17121 |
| 100 | | 259 | 11.6 | 11.4 | 2.3 | | 273 | 12.0 | 12.0 | -.6 | | 284 | 10.5 | 10.2 | -2.5 | | 292 | 8.8 | 8.2 | -3.3 | 16521 |
| 110 | | 275 | 10.3 | 10.2 | -.8 | | 277 | 9.4 | 9.4 | -1.1 | | 280 | 8.6 | 8.4 | -1.4 | | 281 | 11.4 | 11.2 | -2.1 | 15978 |
| 120 | | 271 | 15.0 | 15.0 | -.4 | | 275 | 15.5 | 15.4 | -1.4 | | 284 | 9.7 | 9.4 | -2.4 | | 298 | 13.4 | 11.9 | -6.2 | 15479 |
| 130 | | 267 | 19.4 | 19.3 | 1.2 | | 274 | 20.6 | 20.5 | -1.5 | | 278 | 19.6 | 19.5 | -2.6 | | 277 | 25.5 | 25.3 | -3.1 | 15014 |
| 140 | | 256 | 27.2 | 26.4 | 6.5 | | 260 | 24.4 | 24.1 | 4.1 | | 265 | 25.5 | 25.4 | 2.4 | | 263 | 26.3 | 26.1 | 3.1 | 14578 |
| 150 | | 244 | 22.4 | 20.1 | 9.8 | | 250 | 22.2 | 20.9 | 7.7 | | 254 | 23.2 | 22.2 | 6.5 | | 257 | 20.8 | 20.2 | 4.7 | 14167 |
| 160 | | 244 | 13.3 | 11.9 | 5.9 | | 243 | 15.7 | 13.9 | 7.2 | | 243 | 18.3 | 16.4 | 8.2 | | 252 | 14.0 | 13.3 | 4.2 | 13776 |
| 170 | | 276 | 9.9 | 9.8 | -1.0 | | 267 | 9.7 | 9.7 | .6 | | 250 | 12.1 | 11.4 | 4.1 | | 275 | 10.4 | 10.4 | -.9 | 13404 |
| 180 | | 297 | 12.5 | 11.1 | -5.8 | | 306 | 14.5 | 11.8 | -8.6 | | 294 | 11.7 | 10.6 | -4.8 | | 306 | 13.9 | 11.3 | -8.1 | 13049 |
| 190 | | 306 | 21.0 | 16.9 | -12.5 | | 316 | 19.1 | 13.2 | -13.8 | | 313 | 18.1 | 13.2 | -12.3 | | 313 | 18.2 | 13.4 | -12.3 | 12709 |
| 200 | | 302 | 23.1 | 19.6 | -12.1 | | 317 | 21.4 | 14.7 | -15.6 | | 317 | 20.8 | 14.3 | -15.1 | | 311 | 20.7 | 15.6 | -13.6 | 12383 |
| 225 | | 293 | 19.2 | 17.6 | -7.6 | | 302 | 21.9 | 18.5 | -11.7 | | 301 | 20.8 | 17.8 | -10.8 | | 297 | 17.1 | 15.3 | -7.7 | 11617 |
| 250 | | 262 | 14.8 | 14.6 | 2.0 | 1 | 296 | 13.1 | 11.8 | -5.7 | | 271 | 17.8 | 17.8 | -.2 | | 288 | 13.4 | 12.8 | -4.1 | 10914 |
| 275 | | 255 | 17.0 | 16.5 | 4.3 | 0 | 305 | 9.4 | 7.7 | -5.4 | | 268 | 16.0 | 16.0 | .5 | | 279 | 14.0 | 13.8 | -2.3 | 10262 |
| 300 | | 257 | 16.8 | 16.3 | 3.9 | 0 | 293 | 15.1 | 14.0 | -5.8 | | 269 | 11.8 | 11.8 | .1 | | 264 | 15.1 | 15.0 | 1.7 | 9654 |
| 325 | | 264 | 13.7 | 13.6 | 1.5 | 0 | 259 | 18.9 | 18.5 | 3.7 | | 270 | 9.6 | 9.6 | .1 | | 263 | 15.9 | 15.8 | 1.9 | 9084 |
| 350 | | 289 | 11.6 | 11.0 | -3.9 | 0 | 231 | 17.5 | 13.5 | 11.0 | | 240 | 9.1 | 7.9 | 4.6 | | 249 | 14.3 | 13.3 | 5.2 | 8546 |
| 375 | | 279 | 10.3 | 10.2 | -1.6 | 1 | 213 | 14.1 | 7.7 | 11.8 | | 251 | 8.6 | 8.2 | 2.8 | | 231 | 11.1 | 8.6 | 6.9 | 8039 |
| 400 | | 257 | 5.0 | 4.9 | 1.2 | 3 | 241 | 7.2 | 6.3 | 3.4 | 2 | 241 | 7.8 | 6.9 | 3.7 | | 227 | 7.8 | 5.6 | 5.3 | 7557 |
| 425 | | 248 | 4.3 | 4.0 | 1.6 | 0 | 242 | 6.1 | 5.4 | 2.9 | | 242 | 6.8 | 6.0 | 3.2 | | 234 | 7.4 | 6.0 | 4.3 | 7099 |
| 450 | | 226 | 6.7 | 4.9 | 4.7 | 0 | 224 | 6.8 | 4.7 | 4.8 | | 241 | 7.1 | 6.3 | 3.4 | | 241 | 6.4 | 5.6 | 3.1 | 6662 |
| 475 | | 246 | 5.4 | 4.9 | 2.2 | 2 | 254 | 6.7 | 6.5 | 1.9 | | 254 | 6.7 | 6.4 | 1.9 | | 270 | 5.2 | 5.2 | .0 | 6244 |
| 500 | | 239 | 4.1 | 3.5 | 2.1 | | 263 | 6.1 | 6.1 | .8 | | 269 | 3.8 | 3.8 | .0 | | 274 | 5.5 | 5.4 | -.4 | 5844 |
| 525 | | 236 | 5.3 | 4.4 | 2.9 | | 257 | 4.0 | 3.9 | .9 | 2 | 263 | 3.2 | 3.2 | .4 | | 281 | 4.5 | 4.4 | -.8 | 5460 |
| 550 | | 261 | 6.1 | 6.1 | .9 | | 262 | 5.6 | 5.6 | .8 | | 259 | 4.6 | 4.5 | .9 | | 275 | 5.7 | 5.6 | -.5 | 5091 |
| 575 | | 260 | 3.2 | 3.2 | .6 | | 265 | 2.1 | 2.1 | .2 | | 246 | 1.9 | 1.7 | .8 | | 312 | 1.6 | 1.2 | -1.0 | 4736 |
| 600 | | 222 | 2.2 | 1.5 | 1.6 | | 162 | 1.5 | -.5 | 1.4 | | 146 | 1.3 | -.7 | 1.0 | | 88 | 3.3 | -3.3 | -.1 | 4393 |
| 625 | | 214 | .9 | .5 | .7 | | 132 | 3.1 | -2.3 | 2.1 | | 110 | 3.6 | -3.3 | 1.2 | | 102 | 4.6 | -4.5 | .9 | 4062 |
| 650 | | 82 | 2.2 | -2.1 | -.3 | | 114 | 2.8 | -2.5 | 1.1 | | 100 | 4.6 | -4.6 | .8 | | 93 | 4.6 | -4.6 | .3 | 3742 |
| 675 | | 71 | 5.0 | -4.7 | -1.6 | | 104 | 4.1 | -4.0 | 1.0 | | 92 | 5.7 | -5.7 | .2 | | 88 | 5.2 | -5.2 | -.2 | 3431 |
| 700 | | 58 | 6.4 | -5.4 | -3.4 | | 86 | 6.1 | -6.0 | -.5 | | 77 | 8.6 | -8.3 | -1.9 | | 90 | 7.0 | -7.0 | -.0 | 3130 |
| 725 | | 57 | 6.8 | -5.7 | -3.7 | | 71 | 8.1 | -7.7 | -2.6 | | 79 | 10.7 | -10.5 | -2.1 | | 87 | 7.7 | -7.7 | -.4 | 2837 |
| 750 | | 72 | 8.2 | -7.8 | -2.5 | | 74 | 9.2 | -8.8 | -2.6 | | 85 | 11.2 | -11.1 | -1.1 | | 83 | 8.0 | -7.9 | -.9 | 2553 |
| 775 | | 74 | 9.7 | -9.3 | -2.7 | | 74 | 10.1 | -9.7 | -2.8 | | 82 | 11.4 | -11.3 | -1.7 | | 85 | 9.4 | -9.3 | -.9 | 2276 |
| 800 | | 69 | 10.8 | -10.1 | -3.8 | | 72 | 10.9 | -10.4 | -3.4 | | 77 | 11.5 | -11.2 | -2.7 | | 89 | 10.6 | -10.6 | -.2 | 2007 |
| 825 | | 67 | 11.3 | -10.4 | -4.5 | | 76 | 12.0 | -11.7 | -3.0 | | 74 | 11.9 | -11.4 | -3.2 | | 96 | 9.6 | -9.5 | 1.0 | 1745 |
| 850 | | 63 | 11.2 | -10.0 | -5.0 | | 77 | 12.6 | -12.3 | -2.8 | | 76 | 12.8 | -12.4 | -3.1 | | 100 | 8.5 | -8.4 | 1.4 | 1490 |
| 875 | | 62 | 10.9 | -9.7 | -5.1 | | 76 | 12.5 | -12.1 | -3.1 | | 81 | 13.0 | -12.8 | -2.1 | | 92 | 10.0 | -9.9 | .4 | 1242 |
| 900 | | 65 | 10.7 | -9.8 | -4.5 | | 75 | 12.9 | -12.4 | -3.3 | | 84 | 12.3 | -12.2 | -1.3 | | 85 | 11.8 | -11.7 | -1.1 | 999 |
| 925 | | 67 | 11.2 | -10.3 | -4.5 | | 75 | 13.3 | -12.9 | -3.5 | | 83 | 10.9 | -10.8 | -1.3 | | 80 | 10.9 | -10.7 | -2.0 | 762 |
| 950 | | 65 | 11.2 | -10.2 | -4.7 | | 75 | 12.6 | -12.2 | -3.3 | | 81 | 10.0 | -9.9 | -1.6 | | 74 | 9.3 | -8.9 | -2.5 | 529 |
| 975 | | 67 | 10.1 | -9.3 | -3.9 | | 79 | 11.1 | -10.9 | -2.2 | | 83 | 10.3 | -10.2 | -1.3 | | 72 | 8.9 | -8.4 | -2.8 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/20 2 0 GMT | | | | 4/20 7 5 GMT | | | | 4/20 1143 GMT | | | | 4/20 1740 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 16.6 | 16.6 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 3 | 268 | 14.4 | 14.4 | .4 | | 250 | 11.9 | 11.2 | 4.0 | | 266 | 16.5 | 16.5 | 1.2 | | 261 | 11.7 | 11.5 | 1.9 | 18589 |
| 80 | | 277 | 6.6 | 6.6 | -.8 | | 294 | 7.3 | 6.7 | -3.0 | | 292 | 7.5 | 7.0 | -2.9 | | 304 | 10.0 | 8.3 | -5.5 | 17801 |
| 90 | | 270 | 8.8 | 8.8 | .0 | | 278 | 7.6 | 7.6 | -1.1 | | 260 | 8.8 | 8.7 | 1.5 | | 277 | 10.7 | 10.6 | -1.3 | 17121 |
| 100 | 2 | 284 | 9.6 | 9.3 | -2.3 | | 277 | 8.7 | 8.6 | -1.0 | | 288 | 8.3 | 7.9 | -2.6 | | 273 | 11.3 | 11.2 | -.5 | 16521 |
| 110 | 3 | 280 | 8.3 | 8.2 | -1.4 | | 265 | 8.0 | 8.0 | .6 | | 261 | 9.9 | 9.8 | 1.6 | | 254 | 9.3 | 9.0 | 2.6 | 15978 |
| 120 | 3 | 294 | 11.9 | 10.9 | -4.8 | | 286 | 9.8 | 9.4 | -2.6 | | 290 | 9.1 | 8.6 | -3.1 | | 270 | 10.8 | 10.8 | -.1 | 15479 |
| 130 | 3 | 286 | 20.7 | 20.0 | -5.6 | | 281 | 19.0 | 18.7 | -3.5 | | 284 | 17.5 | 16.9 | -4.3 | | 279 | 17.9 | 17.7 | -2.7 | 15014 |
| 140 | 2 | 269 | 25.3 | 25.3 | .5 | | 267 | 23.4 | 23.4 | 1.4 | | 274 | 24.2 | 24.1 | -1.8 | | 275 | 15.7 | 15.6 | -1.4 | 14578 |
| 150 | 3 | 260 | 20.3 | 20.0 | 3.4 | 3 | 259 | 19.3 | 19.0 | 3.7 | | 271 | 19.3 | 19.3 | -.2 | | 269 | 12.9 | 12.9 | .3 | 14167 |
| 160 | 2 | 263 | 15.3 | 15.2 | 1.8 | 3 | 264 | 15.2 | 15.2 | 1.5 | | 279 | 14.0 | 13.8 | -2.1 | | 276 | 12.4 | 12.3 | -1.3 | 13776 |
| 170 | | 282 | 12.3 | 12.1 | -2.6 | 3 | 279 | 11.6 | 11.4 | -1.9 | | 295 | 15.2 | 13.9 | -6.3 | | 289 | 14.4 | 13.6 | -4.7 | 13404 |
| 180 | | 303 | 14.3 | 12.0 | -7.7 | | 301 | 15.1 | 13.0 | -7.8 | | 296 | 17.5 | 15.8 | -7.6 | | 295 | 16.2 | 14.6 | -7.0 | 13049 |
| 190 | 3 | 306 | 17.3 | 14.1 | -10.1 | 3 | 304 | 18.4 | 15.2 | -10.3 | | 304 | 17.3 | 14.3 | -9.8 | | 306 | 17.5 | 14.2 | -10.3 | 12709 |
| 200 | 2 | 303 | 19.1 | 16.0 | -10.5 | 3 | 306 | 19.0 | 15.4 | -11.1 | | 316 | 19.5 | 13.4 | -14.2 | | 315 | 20.5 | 14.5 | -14.6 | 12383 |
| 225 | | 301 | 19.3 | 16.6 | -9.9 | | 302 | 20.1 | 17.0 | -10.6 | | 319 | 19.1 | 12.5 | -14.4 | | 320 | 20.1 | 13.1 | -15.3 | 11617 |
| 250 | | 286 | 16.2 | 15.6 | -4.4 | | 289 | 16.4 | 15.5 | -5.4 | | 316 | 20.2 | 14.0 | -14.5 | | 307 | 17.9 | 14.3 | -10.8 | 10914 |
| 275 | | 275 | 14.4 | 14.3 | -1.2 | 3 | 270 | 17.8 | 17.8 | -.1 | | 294 | 17.4 | 15.9 | -7.1 | 2 | 340 | 23.8 | 8.3 | -22.3 | 10262 |
| 300 | 3 | 275 | 14.1 | 14.0 | -1.2 | 3 | 272 | 16.4 | 16.3 | -.5 | | 261 | 16.5 | 16.3 | 2.6 | | 306 | 15.4 | 12.5 | -9.1 | 9654 |
| 325 | 3 | 267 | 15.3 | 15.3 | .7 | 2 | 257 | 12.6 | 12.3 | 2.8 | | 252 | 16.8 | 16.0 | 5.2 | | 283 | 12.6 | 12.3 | -2.7 | 9084 |
| 350 | | 265 | 13.8 | 13.8 | 1.2 | | 273 | 9.5 | 9.5 | -.5 | | 254 | 10.1 | 9.7 | 2.8 | | 265 | 10.8 | 10.7 | 1.0 | 8546 |
| 375 | | 245 | 11.5 | 10.3 | 4.9 | | 267 | 10.8 | 10.8 | .5 | | 260 | 9.4 | 9.2 | 1.6 | | 271 | 10.0 | 10.0 | -.1 | 8039 |
| 400 | 2 | 221 | 6.7 | 4.4 | 5.0 | 3 | 230 | 7.4 | 5.6 | 4.8 | | 219 | 8.3 | 5.2 | 6.4 | | 256 | 7.1 | 6.9 | 1.8 | 7557 |
| 425 | | 222 | 6.5 | 4.3 | 4.8 | 3 | 216 | 6.6 | 3.9 | 5.4 | | 251 | 5.8 | 5.4 | 1.9 | | 236 | 5.9 | 4.9 | 3.3 | 7099 |
| 450 | | 249 | 6.1 | 5.7 | 2.2 | 3 | 254 | 4.7 | 4.5 | 1.3 | | 315 | 1.4 | 1.0 | -1.0 | | 147 | 1.7 | -.9 | 1.4 | 6662 |
| 475 | | 273 | 4.1 | 4.1 | -.2 | | 302 | 2.0 | 1.7 | -1.1 | | 25 | 3.4 | -1.4 | -3.1 | | 102 | 4.9 | -4.8 | 1.0 | 6244 |
| 500 | | 287 | 3.3 | 3.1 | -1.0 | | 323 | 1.0 | .6 | -.8 | | 350 | 1.2 | .2 | -1.2 | | 104 | 4.0 | -3.9 | 1.0 | 5844 |
| 525 | | 324 | 3.5 | 2.1 | -2.9 | | 318 | 1.3 | .9 | -1.0 | | 305 | 3.1 | 2.5 | -1.8 | | 122 | 2.5 | -2.1 | 1.3 | 5460 |
| 550 | | 321 | 3.2 | 2.0 | -2.5 | | 324 | 2.9 | 1.7 | -2.4 | | 342 | 4.5 | 1.4 | -4.3 | | 326 | 1.9 | 1.1 | -1.6 | 5091 |
| 575 | | 10 | 1.4 | -.2 | -1.4 | | 350 | 2.7 | .5 | -2.7 | | 345 | 4.5 | 1.2 | -4.3 | | 350 | 4.2 | .7 | -4.1 | 4736 |
| 600 | | 78 | 2.6 | -2.5 | -.5 | 3 | 79 | 2.7 | -2.7 | -.5 | | 6 | 3.1 | -.3 | -3.1 | | 38 | 3.3 | -2.1 | -2.6 | 4393 |
| 625 | | 95 | 4.1 | -4.1 | .3 | 3 | 70 | 2.5 | -2.4 | -.9 | | 32 | 2.7 | -1.4 | -2.3 | | 69 | 3.7 | -3.5 | -1.3 | 4062 |
| 650 | | 100 | 5.3 | -5.2 | .9 | | 84 | 3.9 | -3.9 | -.4 | | 29 | 2.4 | -1.2 | -2.1 | | 92 | 5.1 | -5.1 | .2 | 3742 |
| 675 | 3 | 97 | 5.9 | -5.9 | .7 | | 89 | 5.7 | -5.7 | -.1 | | 71 | 4.1 | -3.8 | -1.3 | | 97 | 4.7 | -4.7 | .6 | 3431 |
| 700 | 2 | 92 | 7.0 | -7.0 | .2 | | 81 | 5.9 | -5.9 | -.9 | | 97 | 7.8 | -7.7 | 1.0 | | 90 | 6.0 | -6.0 | .0 | 3130 |
| 725 | | 90 | 8.2 | -8.2 | .0 | | 87 | 7.2 | -7.2 | -.4 | | 107 | 8.4 | -8.0 | 2.5 | | 98 | 8.0 | -8.0 | 1.1 | 2837 |
| 750 | | 91 | 8.0 | -8.0 | .1 | 2 | 94 | 8.6 | -8.6 | .6 | | 117 | 8.5 | -7.6 | 3.8 | | 107 | 8.6 | -8.3 | 2.5 | 2553 |
| 775 | | 96 | 6.4 | -6.4 | .7 | 2 | 96 | 9.3 | -9.2 | 1.0 | | 110 | 7.6 | -7.2 | 2.6 | | 115 | 9.3 | -8.4 | 4.0 | 2276 |
| 800 | | 98 | 6.8 | -6.7 | 1.0 | | 98 | 9.5 | -9.4 | 1.3 | | 111 | 7.4 | -6.9 | 2.7 | | 121 | 10.3 | -8.8 | 5.2 | 2007 |
| 825 | | 98 | 8.0 | -7.9 | 1.1 | | 97 | 9.6 | -9.6 | 1.2 | | 122 | 8.5 | -7.3 | 4.5 | | 123 | 10.5 | -8.8 | 5.7 | 1745 |
| 850 | | 99 | 8.0 | -7.9 | 1.2 | | 95 | 9.4 | -9.4 | .8 | | 124 | 8.7 | -7.2 | 4.9 | | 120 | 10.1 | -8.7 | 5.1 | 1490 |
| 875 | | 94 | 7.9 | -7.9 | .6 | | 95 | 8.8 | -8.8 | .8 | | 126 | 9.2 | -7.5 | 5.4 | | 117 | 10.0 | -8.8 | 4.6 | 1242 |
| 900 | | 83 | 9.3 | -9.3 | -1.1 | | 102 | 8.8 | -8.6 | 1.8 | | 127 | 10.7 | -8.6 | 6.4 | | 119 | 10.4 | -9.1 | 5.1 | 999 |
| 925 | | 79 | 10.3 | -10.1 | -2.0 | | 108 | 9.3 | -8.8 | 2.8 | | 125 | 11.5 | -9.3 | 6.6 | | 123 | 10.7 | -9.0 | 5.9 | 762 |
| 950 | | 77 | 9.5 | -9.2 | -2.1 | | 109 | 9.0 | -8.5 | 2.9 | | 127 | 11.2 | -8.9 | 6.8 | | 129 | 9.4 | -7.2 | 5.9 | 529 |
| 975 | | 73 | 8.7 | -8.3 | -2.5 | | 109 | 8.3 | -7.8 | 2.7 | | 132 | 10.3 | -7.7 | 6.8 | | 135 | 7.5 | -5.2 | 5.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/20 2324 GMT | | | | 4/21 612 GMT | | | | 4/21 1142 GMT | | | | 4/21 1728 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 266 | 17.8 | 17.7 | 1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 279 | 21.3 | 21.0 | -3.2 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 246 | 9.1 | 8.4 | 3.7 | 249 | 8.4 | 7.8 | 3.1 | 265 | 16.3 | 16.3 | 1.4 | 281 | 19.4 | 19.0 | -3.7 | 18589 |
| 80 | 331 | 8.5 | 4.1 | -7.4 | 246 | 6.5 | 6.0 | 2.7 | 273 | 6.0 | 6.0 | -.3 | 235 | 9.6 | 7.9 | 5.5 | 17801 |
| 90 | 288 | 15.7 | 14.9 | -4.8 | 295 | 12.5 | 11.3 | -5.3 | 290 | 15.7 | 14.7 | -5.4 | 284 | 18.9 | 18.3 | -4.5 | 17121 |
| 100 | 267 | 14.1 | 14.1 | .6 | 293 | 12.7 | 11.7 | -4.9 | 276 | 12.2 | 12.1 | -1.3 | 278 | 16.7 | 16.6 | -2.2 | 16521 |
| 110 | 264 | 18.4 | 18.4 | 1.8 | 259 | 14.7 | 14.4 | 2.8 | 269 | 18.6 | 18.6 | .2 | 283 | 16.4 | 16.0 | -3.6 | 15978 |
| 120 | 275 | 16.5 | 16.4 | -1.4 | 271 | 15.0 | 15.0 | -.2 | 270 | 21.9 | 21.9 | .2 | 286 | 18.8 | 18.1 | -5.3 | 15479 |
| 130 | 279 | 20.1 | 19.9 | -3.3 | 283 | 18.8 | 18.3 | -4.1 | 274 | 18.7 | 18.7 | -1.4 | 283 | 22.6 | 22.0 | -5.2 | 15014 |
| 140 | 272 | 18.5 | 18.5 | -.6 | 274 | 14.2 | 14.1 | -.9 | 278 | 17.3 | 17.1 | -2.4 | 280 | 18.2 | 18.0 | -3.1 | 14578 |
| 150 | 280 | 13.7 | 13.5 | -2.4 | 279 | 15.3 | 15.1 | -2.5 | 269 | 18.1 | 18.1 | .2 | 277 | 14.7 | 14.6 | -1.8 | 14167 |
| 160 | 288 | 14.9 | 14.1 | -4.7 | 286 | 17.5 | 16.9 | -4.7 | 270 | 15.9 | 15.9 | -.0 | 279 | 15.1 | 14.9 | -2.3 | 13776 |
| 170 | 298 | 15.9 | 14.0 | -7.5 | 287 | 14.0 | 13.4 | -4.0 | 288 | 12.3 | 11.7 | -3.8 | 287 | 14.6 | 14.0 | -4.3 | 13404 |
| 180 | 311 | 16.4 | 12.4 | -10.8 | 288 | 14.1 | 13.4 | -4.3 | 291 | 13.0 | 12.1 | -4.8 | 292 | 13.2 | 12.2 | -4.9 | 13049 |
| 190 | 316 | 17.1 | 11.9 | -12.3 | 298 | 13.5 | 12.0 | -6.3 | 293 | 12.6 | 11.6 | -4.9 | 282 | 12.6 | 12.3 | -2.5 | 12709 |
| 200 | 320 | 17.0 | 11.0 | -12.9 | 307 | 15.3 | 12.2 | -9.1 | 290 | 12.1 | 11.4 | -4.2 | 265 | 14.0 | 14.0 | 1.2 | 12383 |
| 225 | 319 | 15.0 | 9.8 | -11.4 | 298 | 16.3 | 14.4 | -7.8 | 274 | 14.4 | 14.3 | -1.1 | 272 | 13.5 | 13.5 | -.4 | 11617 |
| 250 | 331 | 13.7 | 6.7 | -12.0 | 311 | 12.9 | 9.8 | -8.5 | 285 | 15.9 | 15.4 | -4.0 | 263 | 13.0 | 12.9 | 1.7 | 10914 |
| 275 | 316 | 12.4 | 8.6 | -9.0 | 316 | 13.1 | 9.1 | -9.5 | 304 | 16.1 | 13.4 | -8.9 | 273 | 11.0 | 11.0 | -.6 | 10262 |
| 300 | 311 | 10.0 | 7.5 | -6.5 | 323 | 12.3 | 7.4 | -9.8 | 309 | 14.7 | 11.4 | -9.3 | 274 | 10.1 | 10.1 | -.8 | 9654 |
| 325 | 293 | 9.5 | 8.7 | -3.8 | 327 | 8.3 | 4.5 | -7.0 | 313 | 9.5 | 7.0 | -6.4 | 281 | 7.3 | 7.1 | -1.4 | 9084 |
| 350 | 282 | 9.7 | 9.5 | -2.0 | 302 | 7.9 | 6.7 | -4.2 | 302 | 8.6 | 7.3 | -4.6 | 309 | 7.9 | 6.2 | -4.9 | 8546 |
| 375 | 280 | 11.7 | 11.5 | -2.0 | 285 | 8.4 | 8.1 | -2.1 | 312 | 6.0 | 4.5 | -4.1 | 318 | 10.7 | 7.2 | -7.9 | 8039 |
| 400 | 287 | 7.1 | 6.8 | -2.1 | 283 | 7.5 | 7.3 | -1.7 | 286 | 7.4 | 7.1 | -2.1 | 325 | 7.4 | 4.3 | -6.0 | 7557 |
| 425 | 267 | 6.8 | 6.7 | .4 | 282 | 5.9 | 5.8 | -1.2 | 281 | 5.4 | 5.3 | -1.0 | 300 | 3.0 | 2.6 | -1.5 | 7099 |
| 450 | 221 | 3.2 | 2.1 | 2.4 | 279 | 3.1 | 3.0 | -.5 | 247 | 2.3 | 2.1 | .9 | 181 | 1.2 | .0 | 1.2 | 6662 |
| 475 | 171 | 4.3 | -.7 | 4.2 | 208 | 2.3 | 1.1 | 2.1 | 213 | 4.1 | 2.2 | 3.4 | 221 | 1.7 | 1.2 | 1.3 | 6244 |
| 500 | 180 | 4.3 | .0 | 4.3 | 210 | 4.6 | 2.3 | 4.0 | 192 | 3.8 | .8 | 3.7 | 211 | 4.1 | 2.2 | 3.5 | 5844 |
| 525 | 178 | 2.5 | -.1 | 2.5 | 233 | 2.1 | 1.7 | 1.3 | 188 | 2.2 | .3 | 2.2 | 177 | 3.4 | -.2 | 3.4 | 5460 |
| 550 | 230 | .7 | .6 | .5 | 14 | .6 | -.1 | -.6 | 77 | 1.6 | -1.5 | -.4 | 141 | 3.8 | -2.4 | 3.0 | 5091 |
| 575 | 11 | 3.5 | -.7 | -3.4 | 69 | 3.2 | -3.0 | -1.2 | 72 | 4.7 | -4.4 | -1.4 | 95 | 5.6 | -5.6 | .5 | 4736 |
| 600 | 40 | 3.9 | -2.5 | -2.9 | 75 | 5.5 | -5.3 | -1.4 | 88 | 6.2 | -6.2 | -.2 | 83 | 7.0 | -7.0 | -.8 | 4393 |
| 625 | 63 | 3.4 | -3.0 | -1.5 | 92 | 4.2 | -4.2 | .1 | 91 | 6.6 | -6.6 | .1 | 85 | 6.4 | -6.4 | -.6 | 4062 |
| 650 | 83 | 4.8 | -4.8 | -.6 | 99 | 5.4 | -5.3 | .8 | 87 | 7.0 | -7.0 | -.4 | 73 | 6.3 | -6.0 | -1.9 | 3742 |
| 675 | 82 | 5.0 | -4.9 | -.7 | 88 | 5.8 | -5.8 | -.2 | 89 | 7.1 | -7.1 | -.2 | 69 | 6.7 | -6.2 | -2.4 | 3431 |
| 700 | 66 | 5.7 | -5.2 | -2.3 | 88 | 5.9 | -5.9 | -.2 | 93 | 6.7 | -6.7 | .3 | 79 | 6.4 | -6.3 | -1.2 | 3130 |
| 725 | 78 | 7.2 | -7.0 | -1.6 | 99 | 6.2 | -6.1 | 1.0 | 95 | 6.6 | -6.5 | .5 | 88 | 5.5 | -5.5 | -.2 | 2837 |
| 750 | 92 | 6.7 | -6.7 | .2 | 97 | 8.4 | -8.3 | 1.1 | 92 | 6.2 | -6.2 | .3 | 90 | 4.6 | -4.6 | .0 | 2553 |
| 775 | 97 | 7.6 | -7.5 | 1.0 | 94 | 10.8 | -10.8 | .8 | 90 | 6.1 | -6.1 | .0 | 87 | 4.0 | -4.0 | -.2 | 2276 |
| 800 | 105 | 8.8 | -8.5 | 2.2 | 94 | 10.3 | -10.3 | .8 | 88 | 6.4 | -6.4 | -.2 | 98 | 3.3 | -3.3 | .5 | 2007 |
| 825 | 109 | 8.8 | -8.4 | 2.9 | 97 | 8.5 | -8.4 | 1.1 | 82 | 7.0 | -7.0 | -1.0 | 117 | 3.8 | -3.4 | 1.7 | 1745 |
| 850 | 104 | 8.5 | -8.2 | 2.1 | 95 | 8.5 | -8.5 | .7 | 83 | 7.2 | -7.1 | -.9 | 112 | 4.2 | -3.9 | 1.6 | 1490 |
| 875 | 102 | 9.0 | -8.8 | 1.9 | 91 | 9.4 | -9.4 | .2 | 93 | 7.0 | -7.0 | .4 | 102 | 4.2 | -4.1 | .9 | 1242 |
| 900 | 108 | 9.6 | -9.2 | 2.9 | 92 | 9.9 | -9.9 | .4 | 98 | 7.0 | -7.0 | .9 | 91 | 4.0 | -4.0 | .1 | 999 |
| 925 | 115 | 8.8 | -7.9 | 3.8 | 92 | 10.3 | -10.2 | .4 | 92 | 6.8 | -6.8 | .3 | 92 | 4.2 | -4.2 | .2 | 762 |
| 950 | 123 | 7.0 | -5.9 | 3.8 | 90 | 9.3 | -9.3 | .0 | 87 | 6.2 | -6.2 | -.3 | 101 | 4.1 | -4.0 | .8 | 529 |
| 975 | 123 | 6.6 | -5.6 | 3.6 | 90 | 7.3 | -7.3 | .0 | 87 | 5.1 | -5.1 | -.3 | 88 | 3.8 | -3.8 | -.2 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

PALMYRA ISLAND

| | 4/21 1930 GMT | | | | 4/21 2231 GMT | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 0 0 | 0.0 | 0.0 | 0.0 | 275 | 21.5 | 21.4 | -1.8 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 303 | 15.4 | 12.9 | -8.4 | 281 | 23.5 | 23.1 | -4.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 252 | 14.3 | 13.6 | 4.5 | 286 | 18.3 | 17.6 | -5.1 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 282 | 19.0 | 18.6 | -4.1 | 277 | 11.1 | 11.0 | -1.4 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 273 | 16.0 | 16.0 | -1.0 | 269 | 20.0 | 20.0 | .5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 292 | 17.6 | 16.3 | -6.7 | 277 | 13.6 | 13.5 | -1.7 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 304 | 20.5 | 17.1 | -11.4 | 290 | 17.2 | 16.1 | -5.9 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 295 | 18.7 | 17.0 | -7.8 | 287 | 21.3 | 20.4 | -6.3 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 290 | 19.5 | 18.3 | -6.6 | 288 | 19.6 | 18.6 | -6.2 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 285 | 19.9 | 19.3 | -5.0 | 293 | 21.5 | 19.9 | -8.3 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 289 | 18.2 | 17.2 | -5.8 | 297 | 21.8 | 19.4 | -10.1 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 290 | 17.5 | 16.4 | -6.0 | 301 | 18.5 | 15.9 | -9.4 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 288 | 16.2 | 15.4 | -4.9 | 294 | 18.6 | 17.0 | -7.7 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 277 | 15.2 | 15.1 | -1.9 | 285 | 19.7 | 19.0 | -5.2 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 266 | 15.0 | 15.0 | 1.0 | 277 | 17.4 | 17.3 | -2.1 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 263 | 14.0 | 13.9 | 1.8 | 260 | 13.7 | 13.5 | 2.4 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 261 | 10.1 | 10.0 | 1.6 | 257 | 10.7 | 10.4 | 2.4 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 277 | 8.9 | 8.8 | -1.1 | 256 | 6.6 | 6.4 | 1.6 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 284 | 8.1 | 7.8 | -2.0 | 268 | 6.4 | 6.4 | .2 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 281 | 7.4 | 7.3 | -1.4 | 262 | 6.8 | 6.7 | 1.0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 309 | 6.5 | 5.0 | -4.1 | 283 | 5.9 | 5.7 | -1.3 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 325 | 7.0 | 4.0 | -5.8 | 297 | 5.5 | 4.9 | -2.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 303 | 6.4 | 5.3 | -3.5 | 286 | 7.0 | 6.8 | -1.9 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 325 | 5.6 | 3.2 | -4.6 | 289 | 6.5 | 6.2 | -2.1 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | 291 | 3.2 | 3.0 | -1.2 | 265 | 3.8 | 3.8 | .4 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 233 | 3.8 | 3.0 | 2.3 | 221 | 5.8 | 3.8 | 4.4 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 215 | 5.2 | 3.0 | 4.2 | 221 | 7.4 | 4.9 | 5.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 186 | 2.3 | .3 | 2.3 | 218 | 4.7 | 2.9 | 3.7 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 111 | 5.4 | -5.1 | 2.0 | 177 | 2.5 | -.1 | 2.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 99 | 6.4 | -6.4 | 1.0 | 132 | 4.1 | -3.0 | 2.7 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 81 | 6.2 | -6.1 | -1.0 | 118 | 4.5 | -4.0 | 2.1 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 80 | 6.9 | -6.8 | -1.2 | 92 | 4.4 | -4.4 | .2 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 80 | 7.2 | -7.1 | -1.2 | 84 | 6.5 | -6.5 | -.7 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 74 | 7.4 | -7.1 | -2.1 | 85 | 7.6 | -7.6 | -.7 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 78 | 6.0 | -5.9 | -1.3 | 86 | 7.6 | -7.5 | -.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 89 | 4.6 | -4.6 | -.1 | 85 | 7.8 | -7.7 | -.7 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 90 | 4.5 | -4.5 | .0 | 80 | 8.7 | -8.6 | -1.6 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 99 | 4.4 | -4.4 | .7 | 80 | 8.8 | -8.7 | -1.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 102 | 4.4 | -4.3 | .9 | 86 | 7.4 | -7.4 | -.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 95 | 4.9 | -4.8 | .4 | 90 | 5.8 | -5.8 | .0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 93 | 5.4 | -5.3 | .3 | 86 | 5.2 | -5.2 | -.3 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 94 | 5.6 | -5.6 | .4 | 80 | 5.6 | -5.6 | -.9 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 91 | 5.8 | -5.8 | .1 | 75 | 6.5 | -6.3 | -1.7 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | 84 | 5.6 | -5.6 | -.6 | 67 | 7.1 | -6.5 | -2.8 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | 79 | 5.1 | -5.0 | -1.0 | 59 | 6.8 | -5.9 | -3.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | 78 | 4.4 | -4.3 | -.9 | 54 | 6.1 | -4.9 | -3.5 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 2 1220 GMT | | | | | 3/ 3 7 0 GMT | | | | | 3/ 3 1235 GMT | | | | | 3/ 3 1510 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 21.3 | 21.3 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 15.7 | 15.6 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 13.8 | 13.6 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 15.9 | 15.7 | -2.2 | | 287 | 14.1 | 13.5 | -4.0 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 275 | 13.8 | 13.8 | -1.2 | | 271 | 17.0 | 17.0 | -.3 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 22.9 | 13.6 | -18.4 | | 252 | 16.7 | 15.9 | 5.2 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 24.5 | 18.0 | -16.6 | | 271 | 12.2 | 12.2 | -.1 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 310 | 16.2 | 12.4 | -10.5 | | 292 | 8.7 | 8.1 | -3.3 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 17.0 | 11.1 | -12.9 | | 308 | 6.3 | 5.0 | -3.9 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 318 | 19.1 | 12.7 | -14.3 | | 322 | 18.1 | 11.3 | -14.2 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 322 | 16.9 | 10.4 | -13.2 | | 310 | 19.6 | 15.0 | -12.6 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 325 | 16.6 | 9.4 | -13.7 | | 337 | 18.3 | 7.1 | -16.9 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 16.5 | 16.2 | -3.2 | | 331 | 16.8 | 8.0 | -14.7 | | 334 | 16.2 | 7.0 | -14.6 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 18.5 | 18.3 | 2.6 | | 326 | 15.6 | 8.8 | -12.9 | | 319 | 18.5 | 12.1 | -14.0 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 25.7 | 24.7 | 6.8 | | 304 | 17.3 | 14.3 | -9.8 | | 320 | 20.0 | 12.9 | -15.2 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 29.0 | 28.4 | 5.8 | | 277 | 20.3 | 20.2 | -2.5 | | 5 | 12.1 | -1.1 | -12.1 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 35.1 | 34.8 | 4.2 | | 272 | 24.5 | 24.5 | -.8 | | 325 | 15.5 | 9.0 | -12.7 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 35.9 | 35.6 | 4.5 | | 268 | 31.5 | 31.5 | 1.0 | | 300 | 19.8 | 17.1 | -10.0 | 10262 |
| 300 | | 249 | 29.3 | 27.3 | 10.7 | | 254 | 30.8 | 29.5 | 8.6 | | 273 | 34.6 | 34.5 | -1.7 | | 285 | 22.6 | 21.8 | -5.9 | 9654 |
| 325 | | 247 | 21.1 | 19.4 | 8.1 | | 252 | 29.0 | 27.5 | 9.0 | | 270 | 33.5 | 33.5 | .1 | | 281 | 26.6 | 26.1 | -5.1 | 9084 |
| 350 | | 255 | 20.8 | 20.1 | 5.4 | | 254 | 26.0 | 25.0 | 7.2 | | | | | | | 278 | 31.1 | 30.8 | -4.6 | 8546 |
| 375 | | 262 | 19.6 | 19.4 | 2.9 | | 253 | 24.3 | 23.3 | 7.0 | | | | | | | 272 | 32.2 | 32.2 | -1.0 | 8039 |
| 400 | | 250 | 15.0 | 14.1 | 5.0 | | 258 | 16.8 | 16.5 | 3.4 | | | | | | | 266 | 27.9 | 27.8 | 1.9 | 7557 |
| 425 | | 261 | 10.0 | 9.9 | 1.6 | | 265 | 11.7 | 11.6 | 1.0 | | | | | | | 253 | 20.9 | 20.1 | 6.0 | 7099 |
| 450 | | 288 | 16.8 | 16.0 | -5.1 | | 281 | 11.9 | 11.7 | -2.2 | | | | | | | 257 | 18.5 | 18.0 | 4.2 | 6662 |
| 475 | | 303 | 9.0 | 7.5 | -4.9 | | 313 | 12.2 | 9.0 | -8.3 | | | | | | | 269 | 19.2 | 19.2 | .3 | 6244 |
| 500 | | 284 | 14.3 | 13.9 | -3.5 | | 309 | 11.2 | 8.7 | -7.0 | | | | | | | 277 | 12.5 | 12.4 | -1.5 | 5844 |
| 525 | | 310 | 10.4 | 7.9 | -6.7 | | 308 | 12.1 | 9.5 | -7.5 | | | | | | | 294 | 12.5 | 11.5 | -5.0 | 5460 |
| 550 | | 301 | 8.0 | 6.8 | -4.1 | | 307 | 6.4 | 5.1 | -3.9 | | | | | | | 329 | 10.9 | 5.7 | -9.3 | 5091 |
| 575 | 3 | 316 | 5.2 | 3.6 | -3.8 | | 291 | 4.4 | 4.1 | -1.6 | | | | | | | 346 | 10.5 | 2.6 | -10.2 | 4736 |
| 600 | 3 | 6 | 5.5 | -.5 | -5.5 | | 311 | 7.0 | 5.2 | -4.6 | | | | | | | 346 | 6.6 | 1.6 | -6.4 | 4393 |
| 625 | | 355 | 3.0 | .3 | -3.0 | | 329 | 8.8 | 4.5 | -7.5 | | 335 | 8.5 | 3.6 | -7.8 | | 353 | 5.0 | .6 | -4.9 | 4062 |
| 650 | | 31 | 10.1 | -5.2 | -8.7 | | 332 | 6.6 | 3.1 | -5.8 | | 3 | 10.0 | -.5 | -10.0 | | 17 | 8.1 | -2.3 | -7.8 | 3742 |
| 675 | | 75 | 6.6 | -6.4 | -1.7 | | 350 | 3.1 | .5 | -3.0 | | 43 | 4.8 | -3.3 | -3.5 | | 40 | 5.8 | -3.7 | -4.4 | 3431 |
| 700 | | 104 | 6.4 | -6.2 | 1.5 | | 62 | 6.4 | -5.7 | -3.0 | | 99 | 3.2 | -3.2 | .5 | | 68 | 3.0 | -2.8 | -1.1 | 3130 |
| 725 | | 73 | 9.6 | -9.2 | -2.8 | | 73 | 8.0 | -7.6 | -2.4 | | 72 | 4.6 | -4.4 | -1.4 | | 74 | 3.3 | -3.2 | -.9 | 2837 |
| 750 | | 86 | 9.5 | -9.5 | -.6 | | 80 | 6.5 | -6.4 | -1.1 | | 83 | 5.5 | -5.4 | -.7 | | 71 | 4.7 | -4.4 | -1.5 | 2553 |
| 775 | | 93 | 7.9 | -7.9 | .4 | | 93 | 3.8 | -3.8 | .2 | | 79 | 3.8 | -3.7 | -.7 | | 80 | 4.0 | -4.0 | -.7 | 2276 |
| 800 | | 96 | 8.1 | -8.0 | .8 | | 117 | 1.8 | -1.6 | .8 | | 66 | 1.7 | -1.5 | -.7 | | 99 | 2.2 | -2.2 | .4 | 2007 |
| 825 | | 96 | 8.5 | -8.5 | 1.0 | | 85 | 1.0 | -1.0 | -.1 | | 91 | 1.6 | -1.6 | .0 | | 110 | 2.2 | -2.1 | .7 | 1745 |
| 850 | | 103 | 9.5 | -9.2 | 2.1 | | 60 | 3.0 | -2.6 | -1.5 | | 85 | 3.6 | -3.6 | -.3 | 3 | 96 | 3.8 | -3.7 | .4 | 1490 |
| 875 | 3 | 114 | 10.9 | -10.0 | 4.4 | 3 | 72 | 6.0 | -5.7 | -1.9 | 3 | 73 | 5.8 | -5.5 | -1.6 | 3 | 95 | 5.7 | -5.7 | .5 | 1242 |
| 900 | 2 | 118 | 10.8 | -9.6 | 5.0 | 2 | 83 | 7.4 | -7.3 | -.9 | 2 | 77 | 6.9 | -6.7 | -1.6 | 2 | 107 | 7.3 | -7.0 | 2.1 | 999 |
| 925 | 2 | 117 | 9.7 | -8.6 | 4.4 | 2 | 90 | 7.4 | -7.4 | .0 | 2 | 89 | 7.3 | -7.3 | -.1 | 2 | 115 | 8.1 | -7.3 | 3.4 | 762 |
| 950 | 2 | 120 | 8.0 | -6.9 | 4.0 | 2 | 92 | 7.3 | -7.3 | .2 | 2 | 91 | 6.6 | -6.6 | .1 | 3 | 112 | 7.2 | -6.7 | 2.7 | 529 |
| 975 | | 125 | 5.8 | -4.8 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 86 | 5.0 | -5.0 | -.4 | | 96 | 5.8 | -5.7 | .6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 3 18 0 GMT | | | | 3/ 3 2055 GMT | | | | 3/ 4 1 0 GMT | | | | 3/ 4 315 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 274 | 14.9 | 14.8 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 16.2 | 16.1 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 253 | 19.9 | 19.1 | 5.7 | | 242 | 14.5 | 12.8 | 6.8 | | 236 | 14.8 | 12.4 | 8.2 | | 253 | 13.4 | 12.8 | 4.0 | 18589 |
| 80 | | 286 | 11.9 | 11.5 | -3.2 | | 302 | 13.4 | 11.4 | -7.1 | | 276 | 8.5 | 8.4 | -.9 | | 294 | 8.6 | 7.9 | -3.5 | 17801 |
| 90 | | 298 | 11.3 | 9.9 | -5.3 | | 298 | 11.2 | 9.9 | -5.3 | | 321 | 12.4 | 7.7 | -9.7 | | 333 | 10.8 | 4.9 | -9.6 | 17121 |
| 100 | | 313 | 14.2 | 10.4 | -9.7 | | 330 | 20.9 | 10.5 | -18.1 | | 344 | 16.2 | 4.6 | -15.6 | | 345 | 16.1 | 4.1 | -15.6 | 16521 |
| 110 | | 323 | 25.6 | 15.3 | -20.6 | | 335 | 20.4 | 8.5 | -18.5 | | | | | | | 345 | 13.1 | 3.4 | -12.7 | 15978 |
| 120 | | 325 | 21.3 | 12.2 | -17.4 | | 351 | 18.9 | 3.0 | -18.7 | | | | | | | 360 | 15.6 | .1 | -15.6 | 15479 |
| 130 | | 337 | 20.8 | 8.2 | -19.1 | | 338 | 24.2 | 9.2 | -22.3 | | | | | | | 353 | 16.0 | 1.9 | -15.9 | 15014 |
| 140 | | 332 | 20.5 | 9.5 | -18.2 | | 330 | 21.9 | 11.1 | -18.9 | | 348 | 16.9 | 3.5 | -16.5 | | 334 | 16.1 | 7.0 | -14.4 | 14578 |
| 150 | | 330 | 12.9 | 6.4 | -11.2 | | 332 | 11.1 | 5.2 | -9.9 | | 328 | 16.6 | 8.9 | -14.0 | | 324 | 14.8 | 8.7 | -12.0 | 14167 |
| 160 | | 335 | 11.4 | 4.8 | -10.3 | | 337 | 13.0 | 5.1 | -12.0 | | 328 | 15.6 | 8.2 | -13.2 | | 340 | 12.6 | 4.3 | -11.9 | 13776 |
| 170 | | 347 | 14.6 | 3.3 | -14.2 | | 337 | 18.1 | 7.1 | -16.6 | | 346 | 15.5 | 3.7 | -15.0 | | 353 | 14.9 | 1.8 | -14.8 | 13404 |
| 180 | | 354 | 17.0 | 1.7 | -16.9 | | 339 | 16.8 | 6.0 | -15.7 | | 353 | 16.4 | 2.1 | -16.3 | | 353 | 14.1 | 1.6 | -14.0 | 13049 |
| 190 | | 356 | 17.0 | 1.2 | -17.0 | | 352 | 12.7 | 1.7 | -12.6 | | 345 | 15.8 | 4.2 | -15.2 | | 342 | 14.7 | 4.5 | -14.0 | 12709 |
| 200 | | 359 | 16.6 | .2 | -16.6 | | 17 | 15.8 | -4.6 | -15.1 | | 342 | 14.0 | 4.2 | -13.3 | | 341 | 13.8 | 4.6 | -13.0 | 12383 |
| 225 | | 343 | 17.0 | 4.9 | -16.3 | | 349 | 16.7 | 3.2 | -16.4 | | 341 | 15.9 | 5.3 | -15.0 | | 332 | 13.6 | 6.3 | -12.1 | 11617 |
| 250 | | 314 | 17.9 | 12.8 | -12.5 | | 329 | 18.7 | 9.6 | -16.0 | | 336 | 11.2 | 4.6 | -10.2 | | 328 | 14.2 | 7.4 | -12.1 | 10914 |
| 275 | | 292 | 22.1 | 20.5 | -8.3 | | 302 | 23.7 | 20.2 | -12.4 | | 307 | 19.2 | 15.3 | -11.6 | | 314 | 18.2 | 13.2 | -12.6 | 10262 |
| 300 | | 288 | 27.3 | 26.0 | -8.2 | | 297 | 22.5 | 20.0 | -10.3 | | 303 | 16.5 | 13.9 | -8.9 | | 301 | 15.4 | 13.1 | -8.0 | 9654 |
| 325 | | 288 | 26.1 | 24.8 | -8.0 | | 301 | 20.5 | 17.5 | -10.7 | | 313 | 16.6 | 12.0 | -11.4 | | 308 | 16.0 | 12.7 | -9.8 | 9084 |
| 350 | | 274 | 30.6 | 30.5 | -2.2 | | 291 | 22.7 | 21.2 | -8.0 | | 321 | 18.3 | 11.5 | -14.3 | | 315 | 15.5 | 11.0 | -10.9 | 8546 |
| 375 | | 263 | 26.2 | 26.0 | 3.3 | | 281 | 25.7 | 25.3 | -4.9 | | 318 | 13.4 | 9.0 | -9.9 | | 312 | 12.9 | 9.7 | -8.6 | 8039 |
| 400 | | 249 | 21.9 | 20.4 | 7.8 | | 265 | 24.1 | 24.0 | 2.2 | | 300 | 14.8 | 12.8 | -7.4 | | 299 | 16.3 | 14.3 | -7.8 | 7557 |
| 425 | | 263 | 19.7 | 19.5 | 2.3 | | 257 | 22.6 | 22.1 | 5.1 | | 280 | 20.5 | 20.2 | -3.7 | | 282 | 19.8 | 19.4 | -4.3 | 7099 |
| 450 | | 281 | 16.7 | 16.4 | -3.1 | | 269 | 19.9 | 19.9 | .4 | | 257 | 18.4 | 17.9 | 4.0 | | 256 | 19.1 | 18.5 | 4.6 | 6662 |
| 475 | | 286 | 11.4 | 10.9 | -3.2 | | 280 | 15.4 | 15.2 | -2.6 | | 267 | 22.1 | 22.0 | 1.2 | | 269 | 19.1 | 19.1 | .4 | 6244 |
| 500 | | 281 | 10.2 | 10.0 | -1.9 | | 280 | 16.6 | 16.3 | -2.9 | | 282 | 14.8 | 14.5 | -3.2 | | 287 | 17.5 | 16.7 | -5.1 | 5844 |
| 525 | | 299 | 13.1 | 11.5 | -6.3 | | 287 | 12.5 | 12.0 | -3.7 | | 295 | 17.3 | 15.6 | -7.4 | | 300 | 18.3 | 15.7 | -9.3 | 5460 |
| 550 | | 324 | 11.8 | 7.0 | -9.5 | | 319 | 12.2 | 8.0 | -9.3 | | 308 | 14.5 | 11.3 | -9.0 | | 309 | 15.7 | 12.2 | -9.9 | 5091 |
| 575 | | 345 | 8.9 | 2.3 | -8.6 | | 339 | 10.7 | 3.8 | -10.0 | | 319 | 11.5 | 7.5 | -8.7 | | 317 | 8.4 | 5.8 | -6.1 | 4736 |
| 600 | | 10 | 6.9 | -1.2 | -6.8 | | 8 | 8.0 | -1.2 | -7.9 | | 332 | 5.6 | 2.7 | -5.0 | | 336 | 6.7 | 2.7 | -6.1 | 4393 |
| 625 | | 3 | 7.4 | -.3 | -7.3 | | 10 | 7.4 | -1.3 | -7.3 | | 342 | 7.2 | 2.2 | -6.8 | | 6 | 5.3 | -.5 | -5.3 | 4062 |
| 650 | | 16 | 8.6 | -2.3 | -8.3 | | 11 | 7.7 | -1.4 | -7.6 | | 29 | 8.1 | -3.9 | -7.1 | | 21 | 4.6 | -1.7 | -4.3 | 3742 |
| 675 | | 40 | 8.5 | -5.5 | -6.5 | | 27 | 8.2 | -3.7 | -7.3 | | 14 | 5.4 | -1.3 | -5.3 | | 31 | 5.1 | -2.7 | -4.4 | 3431 |
| 700 | | 65 | 5.1 | -4.6 | -2.2 | | 47 | 7.3 | -5.3 | -5.0 | | 285 | 1.5 | 1.4 | -.4 | | 71 | 3.9 | -3.7 | -1.3 | 3130 |
| 725 | | 61 | 3.5 | -3.0 | -1.7 | | 69 | 4.8 | -4.5 | -1.7 | | 95 | 4.5 | -4.5 | .4 | | 103 | 3.5 | -3.4 | .8 | 2837 |
| 750 | | 65 | 4.9 | -4.4 | -2.1 | | 91 | 4.4 | -4.4 | .0 | | 105 | 3.5 | -3.4 | .9 | | 102 | 4.6 | -4.5 | .9 | 2553 |
| 775 | | 84 | 4.6 | -4.6 | -.5 | | 96 | 4.9 | -4.9 | .5 | | 86 | 4.4 | -4.3 | -.3 | | 87 | 5.0 | -5.0 | -.3 | 2276 |
| 800 | | 98 | 2.3 | -2.3 | .3 | | 96 | 4.3 | -4.3 | .5 | | 80 | 4.6 | -4.6 | -.8 | | 78 | 4.9 | -4.8 | -1.0 | 2007 |
| 825 | | 84 | 2.4 | -2.4 | -.3 | | 93 | 4.4 | -4.4 | .2 | | 88 | 5.8 | -5.8 | -.2 | | 87 | 5.9 | -5.9 | -.3 | 1745 |
| 850 | | 96 | 5.4 | -5.4 | .5 | | 94 | 5.7 | -5.7 | .4 | | 95 | 6.0 | -6.0 | .5 | | 98 | 6.3 | -6.3 | .9 | 1490 |
| 875 | 3 | 108 | 8.0 | -7.6 | 2.5 | 3 | 98 | 6.8 | -6.8 | .9 | 3 | 98 | 6.2 | -6.1 | .9 | 3 | 119 | 6.1 | -5.3 | 3.0 | 1242 |
| 900 | 2 | 108 | 8.5 | -8.1 | 2.7 | 3 | 102 | 7.6 | -7.4 | 1.6 | 2 | 98 | 7.1 | -7.1 | 1.0 | 2 | 127 | 6.2 | -4.9 | 3.8 | 999 |
| 925 | 2 | 100 | 7.8 | -7.7 | 1.4 | | 106 | 7.4 | -7.1 | 2.0 | 2 | 98 | 6.6 | -6.5 | .9 | 2 | 123 | 5.3 | -4.4 | 2.9 | 762 |
| 950 | 2 | 108 | 6.5 | -6.1 | 2.0 | | 107 | 6.1 | -5.9 | 1.7 | 3 | 98 | 4.5 | -4.5 | .6 | | 120 | 4.4 | -3.8 | 2.2 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 99 | 5.0 | -4.9 | .8 | | 96 | 3.7 | -3.7 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 4 6 0 GMT | | | | 3/ 4 840 GMT | | | | 3/ 4 1145 GMT | | | | 3/ 4 18 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 15.6 | 15.2 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 245 | 16.3 | 14.9 | 6.8 | | 236 | 13.4 | 11.2 | 7.4 | | 248 | 12.9 | 11.9 | 4.8 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 247 | 9.9 | 9.2 | 3.9 | | 258 | 10.5 | 10.3 | 2.1 | | 296 | 7.1 | 6.4 | -3.1 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 337 | 8.7 | 3.4 | -8.0 | | 323 | 9.3 | 5.6 | -7.4 | | 74 | .4 | -.4 | -.1 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 2 | 15.2 | -.5 | -15.2 | | 9 | 16.7 | -2.6 | -16.5 | | 17 | 12.2 | -3.6 | -11.7 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 350 | 12.1 | 2.2 | -12.0 | | 343 | 14.8 | 4.4 | -14.1 | | 341 | 11.3 | 3.6 | -10.7 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 341 | 12.7 | 4.2 | -12.0 | | 340 | 12.8 | 4.4 | -12.1 | | 324 | 10.9 | 6.3 | -8.9 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 344 | 14.5 | 4.0 | -13.9 | | 341 | 12.8 | 4.2 | -12.1 | | 340 | 14.7 | 5.0 | -13.8 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 342 | 12.6 | 3.9 | -11.9 | | 329 | 15.8 | 8.0 | -13.6 | | 336 | 12.9 | 5.2 | -11.9 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 341 | 13.8 | 4.5 | -13.0 | | 330 | 12.4 | 6.2 | -10.8 | | 337 | 11.3 | 4.4 | -10.4 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 347 | 14.2 | 3.3 | -13.8 | | 335 | 13.1 | 5.6 | -11.8 | | 342 | 12.0 | 3.8 | -11.4 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 349 | 14.5 | 2.7 | -14.3 | | 341 | 12.0 | 3.9 | -11.3 | | 340 | 12.1 | 4.1 | -11.4 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 344 | 14.8 | 4.0 | -14.2 | | 331 | 12.3 | 6.0 | -10.7 | | 328 | 12.4 | 6.6 | -10.5 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 342 | 12.4 | 3.8 | -11.8 | | 328 | 12.2 | 6.5 | -10.3 | | 319 | 12.6 | 8.2 | -9.5 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 341 | 11.1 | 3.6 | -10.5 | | 325 | 11.3 | 6.5 | -9.3 | | 313 | 13.1 | 9.6 | -8.9 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 306 | 9.0 | 7.3 | -5.2 | | 305 | 9.8 | 8.0 | -5.7 | | 299 | 14.4 | 12.6 | -6.9 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 12.0 | 11.6 | -3.0 | | 292 | 11.8 | 10.9 | -4.5 | | 285 | 14.5 | 14.0 | -3.8 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 12.6 | 10.9 | -6.4 | | 293 | 12.5 | 11.5 | -4.9 | | 297 | 16.0 | 14.3 | -7.3 | 10262 |
| 300 | | 312 | 16.2 | 12.1 | -10.8 | | 312 | 12.3 | 9.2 | -8.1 | | 303 | 12.7 | 10.7 | -7.0 | | 295 | 12.5 | 11.3 | -5.3 | 9654 |
| 325 | | 302 | 13.2 | 11.2 | -7.1 | | 323 | 10.9 | 6.5 | -8.7 | | 311 | 10.5 | 7.9 | -6.9 | | 297 | 11.5 | 10.2 | -5.3 | 9084 |
| 350 | | 319 | 13.1 | 8.6 | -9.9 | | 314 | 11.0 | 8.0 | -7.6 | | 303 | 11.0 | 9.2 | -6.0 | | 309 | 10.2 | 8.0 | -6.4 | 8546 |
| 375 | | 333 | 12.8 | 5.9 | -11.4 | | 331 | 8.3 | 4.0 | -7.2 | | 325 | 11.2 | 6.4 | -9.2 | | 325 | 9.5 | 5.5 | -7.8 | 8039 |
| 400 | | 307 | 10.1 | 8.0 | -6.1 | 2 | 316 | 13.1 | 9.1 | -9.4 | | 314 | 10.0 | 7.2 | -7.0 | | 354 | 9.7 | 1.0 | -9.6 | 7557 |
| 425 | | 299 | 16.3 | 14.3 | -7.9 | | 294 | 16.5 | 15.1 | -6.7 | | 311 | 12.5 | 9.4 | -8.3 | | 358 | 4.2 | .1 | -4.2 | 7099 |
| 450 | | 279 | 17.9 | 17.7 | -2.8 | | 278 | 16.9 | 16.8 | -2.3 | | 285 | 15.9 | 15.4 | -4.3 | | 296 | 6.7 | 6.0 | -2.9 | 6662 |
| 475 | | 274 | 16.6 | 16.6 | -1.2 | | 276 | 16.5 | 16.4 | -1.9 | | 272 | 15.6 | 15.6 | -.6 | | 299 | 13.9 | 12.1 | -6.8 | 6244 |
| 500 | | 295 | 16.5 | 15.0 | -6.9 | | 288 | 18.7 | 17.8 | -5.8 | | 289 | 17.1 | 16.2 | -5.5 | | 293 | 16.4 | 15.1 | -6.4 | 5844 |
| 525 | | 303 | 18.5 | 15.4 | -10.1 | | 300 | 15.6 | 13.5 | -7.7 | | 309 | 15.5 | 12.0 | -9.8 | | 306 | 15.1 | 12.2 | -8.8 | 5460 |
| 550 | | 314 | 16.1 | 11.6 | -11.2 | | 306 | 16.7 | 13.4 | -9.9 | | 306 | 12.4 | 10.0 | -7.4 | | 322 | 8.9 | 5.5 | -7.0 | 5091 |
| 575 | | 321 | 9.1 | 5.7 | -7.0 | | 316 | 12.9 | 8.9 | -9.2 | | 324 | 9.6 | 5.7 | -7.7 | | 5 | 4.1 | -.4 | -4.0 | 4736 |
| 600 | | 341 | 6.6 | 2.1 | -6.3 | | 326 | 8.7 | 4.9 | -7.2 | | 334 | 6.0 | 2.6 | -5.4 | | 24 | 4.5 | -1.8 | -4.1 | 4393 |
| 625 | | 8 | 5.5 | -.8 | -5.4 | | 349 | 6.3 | 1.2 | -6.2 | | 36 | 3.0 | -1.7 | -2.4 | | 21 | 5.6 | -2.0 | -5.2 | 4062 |
| 650 | | 38 | 4.3 | -2.6 | -3.4 | | 18 | 5.1 | -1.5 | -4.9 | | 74 | 5.5 | -5.3 | -1.5 | | 52 | 5.1 | -4.0 | -3.1 | 3742 |
| 675 | | 71 | 3.6 | -3.4 | -1.2 | | 47 | 2.7 | -2.0 | -1.8 | | 82 | 5.4 | -5.3 | -.7 | | 81 | 5.5 | -5.4 | -.8 | 3431 |
| 700 | | 107 | 2.9 | -2.7 | .8 | | 102 | 2.5 | -2.5 | .5 | | 94 | 4.1 | -4.1 | .3 | | 88 | 5.7 | -5.7 | -.2 | 3130 |
| 725 | | 113 | 3.5 | -3.2 | 1.3 | | 107 | 3.2 | -3.1 | .9 | 3 | 91 | 3.4 | -3.4 | .1 | | 99 | 5.5 | -5.4 | .9 | 2837 |
| 750 | | 98 | 4.9 | -4.9 | .7 | | 94 | 4.5 | -4.5 | .3 | 2 | 98 | 6.7 | -6.6 | 1.0 | | 117 | 5.8 | -5.1 | 2.6 | 2553 |
| 775 | | 90 | 5.4 | -5.4 | -.0 | | 93 | 6.2 | -6.2 | .3 | 2 | 103 | 12.3 | -12.0 | 2.7 | | 113 | 6.8 | -6.2 | 2.7 | 2276 |
| 800 | | 85 | 5.4 | -5.3 | -.5 | | 97 | 7.5 | -7.5 | .9 | 2 | 101 | 5.0 | -4.9 | .9 | | 104 | 8.7 | -8.4 | 2.1 | 2007 |
| 825 | | 87 | 6.2 | -6.2 | -.4 | | 95 | 7.6 | -7.6 | .6 | 2 | 347 | .8 | .2 | -.8 | | 97 | 9.7 | -9.6 | 1.2 | 1745 |
| 850 | | 100 | 7.5 | -7.4 | 1.3 | 3 | 99 | 6.8 | -6.7 | 1.1 | 2 | 94 | 4.2 | -4.2 | .3 | | 91 | 9.7 | -9.7 | .2 | 1490 |
| 875 | 3 | 111 | 8.6 | -8.0 | 3.1 | 2 | 112 | 6.8 | -6.3 | 2.5 | 2 | 102 | 5.9 | -5.7 | 1.2 | 3 | 95 | 9.8 | -9.7 | .9 | 1242 |
| 900 | 2 | 116 | 8.5 | -7.6 | 3.8 | 2 | 116 | 7.0 | -6.3 | 3.1 | 2 | 97 | 4.9 | -4.8 | .6 | 2 | 101 | 10.4 | -10.2 | 2.1 | 999 |
| 925 | 2 | 120 | 6.8 | -5.9 | 3.4 | 2 | 117 | 6.2 | -5.6 | 2.8 | 2 | 97 | 5.6 | -5.5 | .7 | 2 | 105 | 9.8 | -9.4 | 2.6 | 762 |
| 950 | 2 | 122 | 4.5 | -3.8 | 2.4 | 2 | 132 | 4.9 | -3.7 | 3.3 | 2 | 106 | 5.0 | -4.8 | 1.4 | 2 | 114 | 8.0 | -7.3 | 3.3 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 115 | 4.4 | -4.0 | 1.8 | 2 | 124 | 8.5 | -7.0 | 4.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 4 2345 GMT | | | | 3/ 5 815 GMT | | | | 3/ 5 1215 GMT | | | | 3/ 5 1855 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 273 | 17.7 | 17.7 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 15.2 | 15.2 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 246 | 13.7 | 12.5 | 5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 15.3 | 15.0 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 251 | 6.8 | 6.4 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 252 | 12.6 | 11.9 | 3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 330 | 4.8 | 2.4 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 236 | 7.8 | 6.5 | 4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | | 27 | 7.3 | -3.4 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 325 | 3.0 | 1.7 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | | 326 | 11.1 | 6.2 | -9.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 341 | 5.1 | 1.7 | -4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | | 346 | 10.9 | 2.6 | -10.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 340 | 3.5 | 1.2 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | | 3 | 9.3 | -.5 | -9.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 350 | 3.7 | .6 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 348 | 11.9 | 2.5 | -11.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 344 | 7.1 | 2.0 | -6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 346 | 11.6 | 2.7 | -11.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 331 | 6.0 | 2.9 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 339 | 11.9 | 4.4 | -11.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 5.7 | 5.4 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 336 | 12.1 | 5.0 | -11.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 11.1 | 10.1 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 324 | 10.6 | 6.3 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 13.2 | 12.1 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 307 | 12.9 | 10.3 | -7.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 13.4 | 13.2 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 298 | 13.7 | 12.1 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 16.6 | 16.6 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 305 | 15.6 | 12.8 | -8.9 | | 301 | 21.2 | 18.2 | -10.9 | | 284 | 16.0 | 15.5 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 296 | 18.1 | 16.3 | -7.9 | | 306 | 17.8 | 14.3 | -10.6 | | 299 | 20.3 | 17.7 | -9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | | 290 | 15.9 | 14.9 | -5.4 | | 303 | 15.2 | 12.8 | -8.2 | | 304 | 19.7 | 16.3 | -11.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | | 299 | 12.9 | 11.3 | -6.2 | | 296 | 9.7 | 8.7 | -4.2 | | 307 | 15.8 | 12.6 | -9.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | | 313 | 10.9 | 8.0 | -7.4 | | 341 | 4.4 | 1.4 | -4.1 | | 313 | 13.3 | 9.8 | -9.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | | 330 | 9.0 | 4.5 | -7.8 | | 43 | 3.8 | -2.6 | -2.7 | | 310 | 9.8 | 7.5 | -6.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 2 | 1 | 7.3 | -.2 | -7.3 | | 46 | 4.1 | -2.9 | -2.8 | | 292 | 3.5 | 3.2 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | | 357 | 5.3 | .3 | -5.3 | | 73 | 2.2 | -2.1 | -.7 | | 335 | 1.4 | .6 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | | 17 | 2.3 | -.7 | -2.1 | | 70 | .2 | -.2 | -.1 | | 305 | .9 | .8 | -.5 | | 284 | .7 | .7 | -.2 | 7099 |
| 450 | | 301 | 2.3 | 2.0 | -1.2 | | 52 | 2.4 | -1.9 | -1.5 | | 268 | 2.2 | 2.2 | .1 | | 356 | 1.7 | .1 | -1.7 | 6662 |
| 475 | | 336 | 2.2 | .9 | -2.0 | | 23 | 5.4 | -2.1 | -4.9 | | 333 | 1.6 | .7 | -1.4 | | 345 | 4.8 | 1.2 | -4.6 | 6244 |
| 500 | | 300 | 8.0 | 7.0 | -4.0 | | 355 | 10.0 | .9 | -10.0 | | 21 | 6.0 | -2.1 | -5.6 | | 356 | 8.9 | .7 | -8.9 | 5844 |
| 525 | | 289 | 8.5 | 8.1 | -2.8 | | 349 | 7.7 | 1.5 | -7.5 | | 347 | 8.6 | 1.9 | -8.4 | | 2 | 9.1 | -.3 | -9.1 | 5460 |
| 550 | | 356 | 3.5 | .3 | -3.5 | | 10 | 3.7 | -.7 | -3.6 | | 328 | 8.7 | 4.7 | -7.4 | | 351 | 8.4 | 1.3 | -8.3 | 5091 |
| 575 | | 10 | 5.9 | -1.0 | -5.8 | | 44 | 4.6 | -3.2 | -3.3 | | 336 | 6.1 | 2.5 | -5.6 | | 25 | 4.8 | -2.0 | -4.3 | 4736 |
| 600 | | 24 | 6.3 | -2.5 | -5.7 | | 74 | 6.9 | -6.7 | -1.9 | | 8 | 3.1 | -.4 | -3.1 | | 79 | 3.9 | -3.8 | -.7 | 4393 |
| 625 | | 38 | 5.1 | -3.1 | -4.0 | | 86 | 7.4 | -7.4 | -.5 | | 80 | 4.4 | -4.3 | -.7 | | 97 | 8.2 | -8.1 | 1.0 | 4062 |
| 650 | | 69 | 4.6 | -4.3 | -1.7 | | 95 | 6.7 | -6.7 | .6 | | 83 | 5.9 | -5.9 | -.7 | | 100 | 7.9 | -7.7 | 1.3 | 3742 |
| 675 | | 76 | 4.4 | -4.2 | -1.1 | | 104 | 7.8 | -7.6 | 1.9 | | 87 | 6.3 | -6.2 | -.4 | | 112 | 6.0 | -5.6 | 2.2 | 3431 |
| 700 | | 75 | 5.8 | -5.6 | -1.5 | | 98 | 9.0 | -8.9 | 1.3 | | 95 | 6.6 | -6.5 | .6 | | 128 | 6.3 | -4.9 | 3.9 | 3130 |
| 725 | | 79 | 5.7 | -5.6 | -1.1 | | 90 | 10.0 | -10.0 | .1 | | 99 | 7.6 | -7.5 | 1.1 | | 123 | 7.3 | -6.1 | 4.0 | 2837 |
| 750 | | 106 | 5.7 | -5.5 | 1.6 | | 96 | 10.3 | -10.2 | 1.1 | | 96 | 8.1 | -8.0 | .8 | | 113 | 9.8 | -9.0 | 3.8 | 2553 |
| 775 | | 110 | 9.4 | -8.8 | 3.2 | | 107 | 10.3 | -9.8 | 3.0 | | 100 | 7.7 | -7.5 | 1.4 | | 96 | 10.6 | -10.5 | 1.2 | 2276 |
| 800 | | 101 | 9.3 | -9.1 | 1.7 | | 99 | 10.7 | -10.6 | 1.6 | | 104 | 7.9 | -7.7 | 1.9 | | 89 | 11.3 | -11.3 | -.2 | 2007 |
| 825 | | 91 | 8.5 | -8.5 | .2 | | 78 | 12.6 | -12.3 | -2.5 | 3 | 90 | 8.6 | -8.6 | .0 | | 86 | 12.0 | -12.0 | -.9 | 1745 |
| 850 | | 81 | 8.8 | -8.7 | -1.3 | 3 | 72 | 14.0 | -13.4 | -4.2 | 2 | 77 | 10.1 | -9.9 | -2.3 | | 84 | 12.7 | -12.6 | -1.4 | 1490 |
| 875 | 3 | 83 | 10.2 | -10.1 | -1.3 | 3 | 76 | 14.0 | -13.6 | -3.3 | 2 | 76 | 11.7 | -11.3 | -2.9 | 3 | 86 | 13.4 | -13.4 | -.9 | 1242 |
| 900 | 2 | 93 | 12.3 | -12.3 | .6 | 2 | 77 | 14.2 | -13.8 | -3.3 | 2 | 76 | 12.9 | -12.6 | -3.0 | 3 | 90 | 13.9 | -13.9 | -.1 | 999 |
| 925 | 2 | 98 | 11.3 | -11.2 | 1.6 | 2 | 75 | 14.1 | -13.6 | -3.7 | 2 | 77 | 13.7 | -13.3 | -3.1 | 2 | 91 | 13.3 | -13.3 | .2 | 762 |
| 950 | 2 | 103 | 7.8 | -7.7 | 1.7 | 2 | 75 | 12.0 | -11.6 | -3.1 | 2 | 78 | 13.0 | -12.7 | -2.8 | 2 | 90 | 11.3 | -11.3 | .0 | 529 |
| 975 | 2 | 113 | 7.1 | -6.6 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 79 | 11.6 | -11.4 | -2.2 | 2 | 88 | 8.7 | -8.7 | -.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 5 2345 GMT | | | | 3/ 6 610 GMT | | | | 3/ 6 1135 GMT | | | | 3/ 6 1825 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 267 | 16.4 | 16.4 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 17.7 | 16.9 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 282 | 17.7 | 17.3 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 17.5 | 17.3 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 261 | 9.7 | 9.6 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 12.2 | 12.1 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 229 | 6.6 | 5.0 | 4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 4.6 | 4.6 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | | 352 | 2.0 | .3 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 223 | 5.2 | 3.5 | 3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | | 329 | 4.5 | 2.3 | -3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 3.6 | 3.6 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | | 303 | 6.0 | 5.0 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 7.1 | 6.9 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | | 303 | 5.3 | 4.5 | -2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 11.0 | 11.0 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 299 | 11.1 | 9.7 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 13.8 | 13.6 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 298 | 12.8 | 11.3 | -5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 14.2 | 13.8 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 296 | 14.3 | 12.9 | -6.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 14.9 | 14.3 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 298 | 14.0 | 12.4 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 16.0 | 15.4 | -4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 304 | 15.7 | 13.0 | -8.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 16.8 | 15.6 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 300 | 17.0 | 14.8 | -8.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 16.1 | 14.9 | -6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 282 | 16.6 | 16.2 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 15.1 | 14.1 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 288 | 19.5 | 18.5 | -6.0 | | 284 | 20.4 | 19.8 | -5.0 | | 291 | 18.2 | 17.0 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 281 | 16.9 | 16.6 | -3.2 | | 279 | 21.8 | 21.5 | -3.5 | | 282 | 16.6 | 16.2 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | | 269 | 13.3 | 13.3 | .3 | | 275 | 17.2 | 17.2 | -1.5 | | 278 | 16.0 | 15.9 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | | 292 | 13.7 | 12.7 | -5.3 | | 292 | 15.6 | 14.5 | -5.8 | | 277 | 12.3 | 12.2 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | | 309 | 12.4 | 9.6 | -7.9 | | 310 | 11.0 | 8.5 | -7.0 | | 289 | 10.9 | 10.3 | -3.5 | | 276 | 9.5 | 9.4 | -.9 | 9084 |
| 350 | | 324 | 6.3 | 3.7 | -5.1 | | 333 | 8.0 | 3.7 | -7.1 | | 322 | 7.4 | 4.5 | -5.8 | | 286 | 9.8 | 9.5 | -2.7 | 8546 |
| 375 | | 11 | 3.0 | -.6 | -2.9 | | 323 | 4.4 | 2.7 | -3.5 | | 319 | 3.3 | 2.1 | -2.5 | | 291 | 6.2 | 5.8 | -2.2 | 8039 |
| 400 | | 268 | 2.0 | 2.0 | .1 | | 10 | .8 | -.1 | -.8 | | 47 | 1.7 | -1.3 | -1.2 | | 356 | .6 | .0 | -.6 | 7557 |
| 425 | | 298 | .4 | .3 | -.2 | | 229 | 2.0 | 1.5 | 1.3 | | 6 | .4 | -.0 | -.4 | | 69 | 3.0 | -2.8 | -1.1 | 7099 |
| 450 | | 44 | 1.6 | -1.1 | -1.1 | | 296 | 1.3 | 1.2 | -.6 | | 298 | 3.1 | 2.7 | -1.5 | | 327 | 2.7 | 1.5 | -2.3 | 6662 |
| 475 | | 10 | 6.6 | -1.2 | -6.5 | | 16 | 3.0 | -.8 | -2.9 | | 344 | 2.8 | .8 | -2.7 | | 11 | 4.5 | -.9 | -4.4 | 6244 |
| 500 | | 7 | 9.6 | -1.2 | -9.6 | | 30 | 5.7 | -2.8 | -4.9 | | 14 | 3.5 | -.8 | -3.4 | | 63 | 4.4 | -3.9 | -2.0 | 5844 |
| 525 | | 31 | 6.9 | -3.5 | -5.9 | | 50 | 7.3 | -5.7 | -4.7 | | 83 | 5.9 | -5.9 | -.8 | | 99 | 4.0 | -4.0 | .7 | 5460 |
| 550 | | 43 | 5.7 | -3.9 | -4.2 | | 51 | 6.9 | -5.4 | -4.3 | | 78 | 7.2 | -7.0 | -1.5 | | 121 | 5.3 | -4.5 | 2.7 | 5091 |
| 575 | | 76 | 3.8 | -3.7 | -.9 | | 52 | 5.2 | -4.1 | -3.2 | | 83 | 5.8 | -5.8 | -.7 | | 138 | 6.0 | -4.0 | 4.4 | 4736 |
| 600 | | 103 | 3.6 | -3.5 | .8 | | 79 | 4.0 | -4.0 | -.8 | | 123 | 3.2 | -2.7 | 1.8 | | 142 | 5.7 | -3.5 | 4.5 | 4393 |
| 625 | | 99 | 6.0 | -5.9 | .9 | | 95 | 6.1 | -6.1 | .6 | | 126 | 2.2 | -1.8 | 1.3 | | 122 | 3.8 | -3.2 | 2.0 | 4062 |
| 650 | | 106 | 6.5 | -6.3 | 1.7 | | 103 | 7.0 | -6.8 | 1.5 | | 112 | 5.3 | -4.9 | 2.0 | | 104 | 5.5 | -5.3 | 1.4 | 3742 |
| 675 | | 112 | 6.4 | -5.9 | 2.4 | | 111 | 6.1 | -5.7 | 2.2 | | 112 | 6.6 | -6.1 | 2.5 | | 111 | 6.1 | -5.7 | 2.2 | 3431 |
| 700 | | 113 | 7.3 | -6.7 | 2.8 | | 117 | 5.3 | -4.7 | 2.4 | | 107 | 5.1 | -4.9 | 1.5 | | 107 | 6.2 | -5.9 | 1.8 | 3130 |
| 725 | | 118 | 7.9 | -6.9 | 3.7 | | 116 | 5.3 | -4.8 | 2.3 | | 107 | 4.7 | -4.5 | 1.4 | | 99 | 7.9 | -7.8 | 1.2 | 2837 |
| 750 | | 114 | 9.0 | -8.3 | 3.7 | | 106 | 7.4 | -7.1 | 2.1 | | 106 | 7.4 | -7.1 | 2.1 | | 96 | 7.7 | -7.6 | .8 | 2553 |
| 775 | | 102 | 9.1 | -8.9 | 1.9 | | 93 | 11.1 | -11.1 | .6 | | 93 | 10.7 | -10.7 | .6 | | 96 | 7.7 | -7.6 | .7 | 2276 |
| 800 | | 94 | 9.8 | -9.8 | .7 | | 87 | 14.3 | -14.3 | -.7 | | 92 | 13.4 | -13.4 | .5 | | 98 | 9.9 | -9.8 | 1.4 | 2007 |
| 825 | | 87 | 10.4 | -10.4 | -.6 | | 82 | 13.8 | -13.7 | -2.0 | | 90 | 14.5 | -14.5 | .1 | | 100 | 11.5 | -11.4 | 1.9 | 1745 |
| 850 | | 84 | 10.2 | -10.2 | -1.0 | | 74 | 11.4 | -10.9 | -3.1 | | 77 | 14.3 | -13.9 | -3.1 | | 99 | 12.1 | -12.0 | 1.9 | 1490 |
| 875 | 3 | 84 | 9.8 | -9.7 | -1.0 | 3 | 74 | 9.6 | -9.2 | -2.7 | | 68 | 13.8 | -12.8 | -5.1 | 3 | 97 | 12.3 | -12.2 | 1.5 | 1242 |
| 900 | 2 | 86 | 9.8 | -9.8 | -.7 | 2 | 84 | 8.4 | -8.4 | -.9 | | 70 | 13.1 | -12.4 | -4.4 | 2 | 94 | 12.4 | -12.3 | .9 | 999 |
| 925 | 2 | 93 | 10.8 | -10.7 | .5 | 2 | 96 | 8.4 | -8.3 | .9 | 3 | 78 | 12.2 | -12.0 | -2.6 | 2 | 91 | 12.4 | -12.4 | .2 | 762 |
| 950 | 2 | 100 | 10.7 | -10.5 | 1.8 | 2 | 105 | 9.1 | -8.8 | 2.3 | 2 | 82 | 10.3 | -10.2 | -1.4 | 2 | 90 | 12.0 | -12.0 | -.1 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 108 | 10.0 | -9.5 | 3.1 | 2 | 86 | 8.5 | -8.5 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 7 019 GMT | | | | 3/ 7 3 0 GMT | | | | | 3/ 7 850 GMT | | | | | 3/ 7 12 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 277 | 19.6 | 19.5 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 262 | 17.7 | 17.5 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 17.0 | 16.5 | 4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 272 | 21.3 | 21.3 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 308 | 8.0 | 6.3 | -4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 167 | 3.8 | -.9 | 3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 211 | 8.5 | 4.4 | 7.3 | | 237 | 10.7 | 9.0 | 5.8 | 17121 |
| 100 | | 233 | 11.1 | 8.9 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 226 | 12.0 | 8.6 | 8.3 | | 248 | 10.8 | 10.0 | 4.0 | 16521 |
| 110 | | 228 | 11.8 | 8.8 | 7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 234 | 8.5 | 6.9 | 5.0 | | 251 | 9.5 | 8.9 | 3.1 | 15978 |
| 120 | | 267 | 7.9 | 7.9 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 10.7 | 10.4 | 2.4 | | 246 | 10.7 | 9.8 | 4.4 | 15479 |
| 130 | | 284 | 8.6 | 8.4 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 9.5 | 9.0 | 3.1 | | 247 | 12.7 | 11.7 | 5.0 | 15014 |
| 140 | | 292 | 9.3 | 8.6 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 11.3 | 11.0 | 2.3 | | 264 | 13.9 | 13.8 | 1.3 | 14578 |
| 150 | | 299 | 9.3 | 8.1 | -4.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 15.7 | 15.7 | .7 | | 276 | 15.5 | 15.4 | -1.7 | 14167 |
| 160 | | 296 | 8.7 | 7.8 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 15.7 | 15.7 | -1.2 | | 279 | 16.1 | 15.9 | -2.4 | 13776 |
| 170 | | 293 | 11.8 | 10.9 | -4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 18.4 | 18.3 | -2.1 | | 281 | 17.0 | 16.7 | -3.3 | 13404 |
| 180 | | 288 | 12.7 | 12.0 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 17.8 | 16.6 | -6.5 | | 284 | 18.0 | 17.5 | -4.2 | 13049 |
| 190 | | 293 | 12.5 | 11.5 | -4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 20.5 | 19.1 | -7.5 | | 285 | 17.1 | 16.6 | -4.3 | 12709 |
| 200 | | 303 | 14.2 | 12.0 | -7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 20.6 | 18.8 | -8.4 | | 289 | 16.1 | 15.2 | -5.2 | 12383 |
| 225 | | 301 | 19.7 | 16.9 | -10.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 21.2 | 18.0 | -11.1 | | 299 | 19.3 | 16.8 | -9.3 | 11617 |
| 250 | | 304 | 22.4 | 18.6 | -12.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 19.8 | 14.4 | -13.6 | | 305 | 17.2 | 14.2 | -9.8 | 10914 |
| 275 | | 286 | 23.3 | 22.4 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 22.1 | 20.2 | -8.9 | | 304 | 16.4 | 13.7 | -9.1 | 10262 |
| 300 | | 285 | 20.6 | 19.9 | -5.3 | | 294 | 15.4 | 14.0 | -6.4 | | 292 | 17.1 | 15.9 | -6.3 | | 296 | 17.7 | 16.0 | -7.7 | 9654 |
| 325 | | 281 | 12.5 | 12.3 | -2.4 | | 290 | 13.9 | 13.1 | -4.8 | | 295 | 13.9 | 12.6 | -5.9 | | 292 | 14.9 | 13.8 | -5.7 | 9084 |
| 350 | | 280 | 6.9 | 6.8 | -1.2 | | 288 | 10.4 | 9.9 | -3.2 | | 293 | 11.7 | 10.8 | -4.6 | | 288 | 11.1 | 10.6 | -3.4 | 8546 |
| 375 | | 264 | 6.6 | 6.6 | .6 | | 283 | 6.3 | 6.2 | -1.4 | | 281 | 6.1 | 6.0 | -1.2 | | 286 | 8.9 | 8.5 | -2.4 | 8039 |
| 400 | | 247 | 3.2 | 3.0 | 1.3 | | 260 | 7.2 | 7.1 | 1.2 | | 261 | 6.0 | 5.9 | 1.0 | | 274 | 5.8 | 5.8 | -.4 | 7557 |
| 425 | | 68 | .7 | -.7 | -.3 | | 217 | 4.8 | 2.9 | 3.9 | | 241 | 3.2 | 2.8 | 1.5 | | 266 | 5.2 | 5.2 | .3 | 7099 |
| 450 | | 280 | 3.3 | 3.3 | -.6 | | 239 | 2.2 | 1.9 | 1.2 | | 332 | 2.7 | 1.3 | -2.4 | | 316 | 2.5 | 1.7 | -1.8 | 6662 |
| 475 | | 337 | 2.3 | .9 | -2.2 | | 310 | 1.8 | 1.4 | -1.2 | | 349 | 2.0 | .4 | -2.0 | | 349 | 2.5 | .5 | -2.4 | 6244 |
| 500 | | 86 | 2.1 | -2.1 | -.2 | | 22 | 3.7 | -1.4 | -3.4 | | 58 | 2.5 | -2.1 | -1.3 | | 359 | .8 | .0 | -.8 | 5844 |
| 525 | | 103 | 4.4 | -4.3 | 1.0 | | 69 | 4.4 | -4.1 | -1.6 | | 89 | 5.9 | -5.9 | -.1 | | 98 | 3.1 | -3.1 | .4 | 5460 |
| 550 | | 110 | 5.2 | -4.9 | 1.8 | | 101 | 6.7 | -6.6 | 1.2 | | 116 | 7.5 | -6.8 | 3.3 | | 115 | 6.4 | -5.8 | 2.7 | 5091 |
| 575 | | 147 | 4.7 | -2.6 | 4.0 | | 124 | 4.8 | -3.9 | 2.7 | | 144 | 5.0 | -2.9 | 4.1 | | 134 | 5.1 | -3.7 | 3.5 | 4736 |
| 600 | | 140 | 4.8 | -3.1 | 3.7 | | 171 | 4.2 | -.7 | 4.1 | | 159 | 3.4 | -1.2 | 3.2 | | 192 | 3.0 | .6 | 2.9 | 4393 |
| 625 | | 121 | 4.0 | -3.4 | 2.0 | | 128 | 4.4 | -3.5 | 2.7 | | 120 | 4.9 | -4.3 | 2.4 | | 197 | 1.7 | .5 | 1.7 | 4062 |
| 650 | | 108 | 5.8 | -5.5 | 1.8 | | 108 | 5.8 | -5.5 | 1.8 | | 123 | 6.8 | -5.7 | 3.7 | | 129 | 2.8 | -2.2 | 1.7 | 3742 |
| 675 | | 106 | 7.0 | -6.8 | 1.9 | | 118 | 6.6 | -5.8 | 3.1 | | 116 | 6.7 | -6.0 | 2.9 | | 123 | 6.0 | -5.0 | 3.3 | 3431 |
| 700 | | 97 | 8.0 | -7.9 | .9 | | 118 | 7.7 | -6.8 | 3.6 | | 111 | 6.6 | -6.1 | 2.4 | | 111 | 6.5 | -6.1 | 2.4 | 3130 |
| 725 | | 97 | 8.8 | -8.7 | 1.1 | | 114 | 7.6 | -7.0 | 3.1 | | 115 | 6.6 | -6.0 | 2.8 | | 112 | 6.2 | -5.8 | 2.3 | 2837 |
| 750 | | 109 | 8.8 | -8.3 | 2.8 | | 112 | 7.3 | -6.7 | 2.8 | | 112 | 6.3 | -5.9 | 2.4 | | 108 | 6.1 | -5.8 | 1.9 | 2553 |
| 775 | | 97 | 9.4 | -9.3 | 1.1 | | 105 | 8.3 | -8.0 | 2.1 | | 98 | 7.8 | -7.7 | 1.1 | | 80 | 8.4 | -8.3 | -1.4 | 2276 |
| 800 | | 79 | 11.3 | -11.1 | -2.2 | | 86 | 9.0 | -9.0 | -.6 | | 75 | 9.7 | -9.4 | -2.5 | | 78 | 12.6 | -12.3 | -2.7 | 2007 |
| 825 | | 73 | 12.2 | -11.7 | -3.5 | | 67 | 8.8 | -8.1 | -3.5 | | 61 | 11.8 | -10.4 | -5.7 | | 85 | 14.6 | -14.6 | -1.2 | 1745 |
| 850 | | 82 | 10.8 | -10.7 | -1.5 | | 67 | 9.9 | -9.1 | -3.9 | 3 | 65 | 12.8 | -11.6 | -5.4 | | 87 | 14.5 | -14.4 | -.7 | 1490 |
| 875 | 3 | 98 | 9.2 | -9.1 | 1.3 | 3 | 80 | 12.5 | -12.3 | -2.2 | 2 | 76 | 13.4 | -13.0 | -3.3 | 3 | 83 | 13.7 | -13.6 | -1.6 | 1242 |
| 900 | 2 | 101 | 10.2 | -10.1 | 1.9 | 2 | 86 | 13.7 | -13.7 | -.9 | 2 | 82 | 14.2 | -14.1 | -2.0 | 2 | 80 | 13.7 | -13.5 | -2.3 | 999 |
| 925 | 2 | 97 | 10.8 | -10.7 | 1.4 | 2 | 88 | 12.3 | -12.3 | -.5 | 2 | 84 | 14.1 | -14.1 | -1.6 | 2 | 80 | 13.8 | -13.6 | -2.4 | 762 |
| 950 | 2 | 96 | 8.5 | -8.5 | .8 | 2 | 89 | 10.1 | -10.1 | -.1 | 2 | 82 | 13.0 | -12.9 | -1.7 | 2 | 82 | 12.8 | -12.7 | -1.9 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 7 1430 GMT | | | | 3/ 7 2110 GMT | | | | 3/ 8 0 5 GMT | | | | 3/ 8 558 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 15.6 | 15.2 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 271 | 16.3 | 16.3 | -.2 | | 263 | 20.7 | 20.6 | 2.4 | | 258 | 16.2 | 15.9 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 267 | 15.4 | 15.3 | .9 | | 263 | 13.2 | 13.1 | 1.7 | | 265 | 18.5 | 18.4 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 282 | 6.9 | 6.7 | -1.5 | | 242 | 5.9 | 5.2 | 2.8 | | 251 | 7.4 | 7.0 | 2.5 | | 280 | 12.6 | 12.4 | -2.2 | 17121 |
| 100 | | 248 | 8.8 | 8.2 | 3.4 | | 227 | 10.9 | 8.0 | 7.4 | | 238 | 11.2 | 9.5 | 6.0 | | 281 | 13.8 | 13.5 | -2.7 | 16521 |
| 110 | | 250 | 10.5 | 9.9 | 3.6 | | 229 | 13.1 | 9.9 | 8.5 | | 250 | 14.4 | 13.5 | 4.9 | | 262 | 10.6 | 10.5 | 1.5 | 15978 |
| 120 | | 255 | 9.9 | 9.6 | 2.6 | | 250 | 7.4 | 6.9 | 2.6 | | 252 | 9.4 | 9.0 | 2.9 | | 237 | 18.3 | 15.3 | 10.0 | 15479 |
| 130 | | 257 | 8.8 | 8.6 | 2.0 | | 281 | 8.6 | 8.4 | -1.6 | | 279 | 8.5 | 8.4 | -1.3 | | 238 | 19.0 | 16.1 | 10.2 | 15014 |
| 140 | | 268 | 11.3 | 11.3 | .5 | | 279 | 9.4 | 9.3 | -1.5 | | 295 | 10.0 | 9.0 | -4.2 | | 238 | 14.1 | 11.9 | 7.5 | 14578 |
| 150 | | 279 | 13.7 | 13.5 | -2.3 | | 283 | 10.4 | 10.1 | -2.4 | | 289 | 11.0 | 10.4 | -3.6 | | 244 | 14.1 | 12.6 | 6.3 | 14167 |
| 160 | | 278 | 13.7 | 13.6 | -2.0 | | 281 | 11.2 | 11.0 | -2.1 | | 284 | 14.2 | 13.8 | -3.5 | | 253 | 12.8 | 12.3 | 3.7 | 13776 |
| 170 | | 278 | 15.0 | 14.9 | -2.1 | | 275 | 10.9 | 10.9 | -1.0 | | 279 | 16.2 | 16.0 | -2.4 | | 262 | 14.2 | 14.0 | 2.1 | 13404 |
| 180 | | 285 | 16.6 | 16.0 | -4.4 | | 278 | 11.7 | 11.6 | -1.5 | | 280 | 17.9 | 17.6 | -3.0 | | 271 | 16.9 | 16.9 | -.3 | 13049 |
| 190 | | 286 | 18.8 | 18.0 | -5.2 | | 292 | 12.9 | 12.0 | -4.8 | 2 | 287 | 17.2 | 16.5 | -5.0 | | 278 | 18.3 | 18.1 | -2.6 | 12709 |
| 200 | | 283 | 21.0 | 20.5 | -4.9 | | 304 | 16.3 | 13.5 | -9.0 | 3 | 287 | 15.5 | 14.8 | -4.4 | | 283 | 17.9 | 17.4 | -4.0 | 12383 |
| 225 | | 299 | 15.5 | 13.6 | -7.5 | | 309 | 18.3 | 14.2 | -11.6 | | 283 | 15.3 | 14.9 | -3.5 | | 293 | 18.3 | 16.9 | -7.1 | 11617 |
| 250 | | 305 | 15.5 | 12.7 | -8.9 | | 309 | 17.5 | 13.6 | -10.9 | | 298 | 13.3 | 11.7 | -6.2 | | 288 | 18.8 | 17.9 | -5.8 | 10914 |
| 275 | | 308 | 15.2 | 12.0 | -9.4 | | 300 | 18.3 | 15.9 | -9.2 | | 315 | 11.2 | 7.9 | -7.9 | | 279 | 18.0 | 17.8 | -2.8 | 10262 |
| 300 | | 311 | 15.1 | 11.5 | -9.8 | | 293 | 19.0 | 17.5 | -7.3 | | 312 | 11.2 | 8.3 | -7.4 | | 272 | 12.7 | 12.7 | -.4 | 9654 |
| 325 | | 310 | 17.5 | 13.5 | -11.2 | | 279 | 15.4 | 15.2 | -2.3 | | 307 | 11.5 | 9.2 | -6.9 | | 259 | 8.6 | 8.4 | 1.7 | 9084 |
| 350 | | 303 | 13.7 | 11.4 | -7.5 | | 277 | 8.0 | 8.0 | -.9 | | 317 | 11.0 | 7.4 | -8.1 | | 263 | 3.4 | 3.3 | .4 | 8546 |
| 375 | | 289 | 10.5 | 10.0 | -3.4 | | 276 | 6.9 | 6.9 | -.7 | | 321 | 11.8 | 7.4 | -9.1 | | 307 | 2.8 | 2.3 | -1.7 | 8039 |
| 400 | | 284 | 9.9 | 9.6 | -2.4 | | 249 | 4.9 | 4.6 | 1.8 | | 297 | 10.9 | 9.7 | -4.9 | | 325 | 4.9 | 2.8 | -4.0 | 7557 |
| 425 | | 274 | 5.4 | 5.4 | -.4 | | 211 | 1.1 | .6 | .9 | | 284 | 7.8 | 7.5 | -1.9 | | 337 | 3.6 | 1.4 | -3.3 | 7099 |
| 450 | | 285 | 3.7 | 3.6 | -.9 | | 328 | 1.5 | .8 | -1.3 | | 280 | 6.0 | 5.9 | -1.1 | | 312 | 4.8 | 3.5 | -3.2 | 6662 |
| 475 | | 346 | 1.7 | .4 | -1.7 | | 347 | 2.3 | .5 | -2.2 | | 295 | 2.6 | 2.3 | -1.1 | | 270 | 4.4 | 4.4 | .0 | 6244 |
| 500 | | 13 | .5 | -.1 | -.5 | | 359 | 3.5 | .1 | -3.5 | | 334 | 3.2 | 1.4 | -2.9 | | 265 | 2.6 | 2.6 | .2 | 5844 |
| 525 | | 110 | 3.1 | -2.9 | 1.1 | | 102 | 5.6 | -5.5 | 1.1 | | 100 | 3.6 | -3.5 | .6 | | 350 | 1.1 | .2 | -1.1 | 5460 |
| 550 | | 122 | 7.2 | -6.1 | 3.8 | | 101 | 5.6 | -5.5 | 1.0 | | 129 | 6.1 | -4.7 | 3.8 | | 63 | 3.0 | -2.7 | -1.4 | 5091 |
| 575 | | 135 | 6.5 | -4.5 | 4.6 | | 132 | 5.3 | -3.9 | 3.5 | | 142 | 7.7 | -4.7 | 6.1 | | 74 | 3.3 | -3.2 | -.9 | 4736 |
| 600 | | 210 | 4.1 | 2.1 | 3.6 | | 203 | 4.6 | 1.8 | 4.2 | | 215 | 4.2 | 2.4 | 3.4 | | 117 | 4.4 | -3.9 | 2.0 | 4393 |
| 625 | | 173 | 2.2 | -.3 | 2.2 | | 102 | 3.6 | -3.5 | .7 | | 151 | 1.8 | -.9 | 1.6 | | 154 | 3.1 | -1.4 | 2.8 | 4062 |
| 650 | | 122 | 3.7 | -3.1 | 1.9 | | 104 | 6.4 | -6.2 | 1.5 | | 100 | 4.1 | -4.1 | .7 | | 256 | .4 | .4 | .1 | 3742 |
| 675 | | 134 | 6.1 | -4.5 | 4.2 | | 119 | 5.6 | -4.9 | 2.8 | | 132 | 4.8 | -3.6 | 3.2 | | 102 | 3.3 | -3.3 | .7 | 3431 |
| 700 | | 119 | 7.2 | -6.2 | 3.5 | | 108 | 5.9 | -5.6 | 1.9 | | 122 | 7.8 | -6.6 | 4.1 | | 109 | 5.1 | -4.8 | 1.7 | 3130 |
| 725 | | 103 | 7.4 | -7.2 | 1.7 | | 109 | 6.0 | -5.7 | 2.0 | | 97 | 10.4 | -10.3 | 1.3 | | 114 | 5.5 | -5.0 | 2.2 | 2837 |
| 750 | | 104 | 6.7 | -6.5 | 1.6 | | 105 | 8.4 | -8.2 | 2.1 | | 87 | 12.9 | -12.9 | -.7 | | 121 | 5.9 | -5.1 | 3.0 | 2553 |
| 775 | | 91 | 8.5 | -8.5 | .2 | | 92 | 11.3 | -11.3 | .3 | | 86 | 12.8 | -12.7 | -1.0 | | 118 | 6.4 | -5.7 | 3.0 | 2276 |
| 800 | | 80 | 13.0 | -12.8 | -2.2 | | 85 | 11.7 | -11.7 | -1.0 | | 83 | 12.7 | -12.6 | -1.5 | | 96 | 8.8 | -8.8 | 1.0 | 2007 |
| 825 | | 78 | 13.5 | -13.2 | -2.9 | | 81 | 11.8 | -11.7 | -1.9 | | 83 | 13.4 | -13.3 | -1.6 | | 84 | 11.9 | -11.8 | -1.3 | 1745 |
| 850 | | 84 | 12.4 | -12.3 | -1.3 | | 81 | 12.5 | -12.3 | -2.0 | | 87 | 14.9 | -14.8 | -.8 | | 81 | 10.8 | -10.7 | -1.6 | 1490 |
| 875 | 3 | 94 | 13.1 | -13.1 | 1.0 | 3 | 86 | 12.6 | -12.5 | -.9 | 3 | 93 | 15.4 | -15.4 | .8 | | 85 | 7.3 | -7.3 | -.6 | 1242 |
| 900 | 2 | 98 | 13.7 | -13.6 | 2.0 | 2 | 90 | 12.4 | -12.4 | -.1 | 2 | 98 | 14.8 | -14.7 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | 2 | 97 | 14.3 | -14.2 | 1.7 | 2 | 92 | 12.2 | -12.2 | .5 | 2 | 96 | 13.3 | -13.2 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | 2 | 95 | 11.2 | -11.2 | .9 | 2 | 94 | 10.1 | -10.0 | .7 | 2 | 91 | 10.9 | -10.9 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 95 | 8.8 | -8.7 | .7 | 2 | 90 | 9.8 | -9.8 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 8 15 3 GMT | | | | 3/ 8 1840 GMT | | | | 3/ 8 2249 GMT | | | | 3/ 9 6 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 9.3 | 9.2 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 282 | 13.7 | 13.4 | -2.9 | | 299 | 12.8 | 11.2 | -6.1 | | 285 | 22.2 | 21.5 | -5.6 | 2 | 283 | 17.3 | 16.9 | -4.0 | 18589 |
| 80 | | 291 | 18.4 | 17.3 | -6.5 | | 251 | 13.3 | 12.6 | 4.2 | | 287 | 14.0 | 13.4 | -4.2 | 2 | 297 | 15.9 | 14.2 | -7.2 | 17801 |
| 90 | | 271 | 12.5 | 12.5 | -.3 | | 236 | 20.7 | 17.2 | 11.6 | | 310 | 15.2 | 11.7 | -9.7 | 2 | 304 | 18.7 | 15.5 | -10.4 | 17121 |
| 100 | | 251 | 13.6 | 12.9 | 4.4 | | 239 | 18.9 | 16.2 | 9.8 | | 255 | 14.1 | 13.6 | 3.7 | 2 | 265 | 13.7 | 13.7 | 1.1 | 16521 |
| 110 | | 245 | 18.6 | 16.8 | 7.9 | | 253 | 21.0 | 20.1 | 6.0 | | 250 | 20.8 | 19.5 | 7.1 | 2 | 243 | 18.0 | 16.0 | 8.2 | 15978 |
| 120 | | 242 | 18.3 | 16.2 | 8.5 | | 259 | 22.1 | 21.8 | 4.1 | | 247 | 21.2 | 19.5 | 8.3 | 2 | 247 | 21.2 | 19.5 | 8.4 | 15479 |
| 130 | | 242 | 15.1 | 13.3 | 7.2 | | 267 | 21.2 | 21.2 | 1.0 | | 249 | 23.3 | 21.8 | 8.3 | 2 | 251 | 24.5 | 23.2 | 7.9 | 15014 |
| 140 | | 247 | 15.1 | 13.9 | 5.9 | | 276 | 21.7 | 21.6 | -2.2 | | 254 | 23.4 | 22.4 | 6.6 | 2 | 252 | 25.5 | 24.3 | 7.7 | 14578 |
| 150 | | 259 | 16.0 | 15.7 | 3.1 | | 275 | 22.3 | 22.2 | -1.9 | | 260 | 19.9 | 19.6 | 3.6 | 2 | 266 | 21.5 | 21.5 | 1.6 | 14167 |
| 160 | | 274 | 16.8 | 16.8 | -1.1 | | 283 | 18.8 | 18.3 | -4.3 | | 270 | 19.5 | 19.5 | .1 | 2 | 277 | 22.7 | 22.5 | -2.9 | 13776 |
| 170 | | 279 | 19.5 | 19.3 | -3.2 | | 293 | 20.4 | 18.8 | -8.1 | | 274 | 22.1 | 22.1 | -1.5 | 2 | 283 | 23.2 | 22.6 | -5.3 | 13404 |
| 180 | | 282 | 20.9 | 20.5 | -4.4 | | 291 | 19.7 | 18.3 | -7.2 | | 275 | 24.3 | 24.2 | -2.2 | 2 | 297 | 20.2 | 18.0 | -9.2 | 13049 |
| 190 | | 289 | 21.5 | 20.3 | -7.1 | | 300 | 19.4 | 16.8 | -9.8 | | 277 | 25.1 | 24.9 | -3.2 | 2 | 281 | 21.1 | 20.6 | -4.2 | 12709 |
| 200 | | 291 | 20.8 | 19.5 | -7.3 | | 295 | 20.6 | 18.8 | -8.5 | | 283 | 22.8 | 22.3 | -5.0 | 2 | 272 | 24.9 | 24.8 | -.9 | 12383 |
| 225 | | 298 | 15.1 | 13.3 | -7.0 | | 288 | 14.8 | 14.1 | -4.6 | | 291 | 16.8 | 15.7 | -5.9 | 2 | 290 | 17.9 | 16.8 | -6.0 | 11617 |
| 250 | | 280 | 18.0 | 17.7 | -3.0 | 2 | 290 | 12.6 | 11.8 | -4.4 | | 291 | 16.3 | 15.2 | -5.9 | 2 | 296 | 13.8 | 12.4 | -6.1 | 10914 |
| 275 | | 271 | 14.0 | 14.0 | -.2 | 0 | 299 | 2.0 | 1.7 | -1.0 | | 291 | 15.9 | 14.8 | -5.7 | 2 | 287 | 14.5 | 13.9 | -4.3 | 10262 |
| 300 | | 272 | 8.2 | 8.2 | -.3 | 2 | 276 | 5.7 | 5.7 | -.6 | | 287 | 12.0 | 11.5 | -3.4 | 2 | 285 | 11.1 | 10.7 | -2.9 | 9654 |
| 325 | | 299 | 3.5 | 3.1 | -1.7 | | 270 | 4.6 | 4.6 | .0 | | 263 | 4.5 | 4.5 | .5 | 2 | 285 | 7.6 | 7.3 | -1.9 | 9084 |
| 350 | | 316 | 6.4 | 4.4 | -4.6 | | 317 | 3.8 | 2.6 | -2.8 | | 248 | 2.0 | 1.9 | .8 | 2 | 266 | 2.9 | 2.9 | .2 | 8546 |
| 375 | | 336 | 4.6 | 1.9 | -4.2 | | 17 | 2.8 | -.8 | -2.7 | | 60 | 2.2 | -1.9 | -1.1 | 2 | 49 | 2.2 | -1.7 | -1.5 | 8039 |
| 400 | | 343 | 6.2 | 1.8 | -5.9 | | 17 | 4.1 | -1.2 | -3.9 | | 70 | 4.7 | -4.4 | -1.6 | 2 | 57 | 5.0 | -4.2 | -2.7 | 7557 |
| 425 | | 296 | 7.0 | 6.3 | -3.1 | | 289 | 3.1 | 2.9 | -1.0 | | 344 | 1.0 | .3 | -1.0 | 2 | 15 | 2.4 | -.6 | -2.3 | 7099 |
| 450 | | 270 | 5.6 | 5.6 | .0 | | 272 | 6.0 | 6.0 | -.2 | | 272 | 4.2 | 4.2 | -.1 | 2 | 261 | 4.1 | 4.0 | .6 | 6662 |
| 475 | | 290 | 3.7 | 3.5 | -1.2 | | 296 | 2.4 | 2.2 | -1.1 | | 303 | 4.2 | 3.5 | -2.2 | 2 | 263 | 2.6 | 2.6 | .3 | 6244 |
| 500 | | 14 | 2.1 | -.5 | -2.0 | | 64 | 1.9 | -1.7 | -.8 | | 17 | 1.3 | -.4 | -1.2 | 2 | 104 | 1.2 | -1.2 | .3 | 5844 |
| 525 | | 76 | 3.6 | -3.5 | -.9 | | 95 | 4.7 | -4.7 | .4 | | 82 | 2.2 | -2.2 | -.3 | 1 | 105 | 2.9 | -2.8 | .8 | 5460 |
| 550 | | 130 | 3.3 | -2.6 | 2.2 | | 129 | 3.4 | -2.6 | 2.1 | | 118 | 2.3 | -2.1 | 1.1 | 2 | 119 | 3.0 | -2.6 | 1.5 | 5091 |
| 575 | | 201 | 4.4 | 1.5 | 4.1 | | 199 | 3.8 | 1.2 | 3.6 | | 217 | 3.8 | 2.3 | 3.1 | 2 | 196 | 2.7 | .7 | 2.5 | 4736 |
| 600 | | 241 | 3.1 | 2.7 | 1.5 | | 235 | 2.8 | 2.3 | 1.6 | | 244 | 4.0 | 3.6 | 1.7 | 2 | 249 | 4.6 | 4.3 | 1.6 | 4393 |
| 625 | | 192 | .7 | .1 | .6 | | 169 | 2.3 | -.4 | 2.2 | | 188 | 2.4 | .3 | 2.4 | 2 | 220 | 2.6 | 1.7 | 2.0 | 4062 |
| 650 | | 148 | 3.6 | -1.9 | 3.1 | | 145 | 5.1 | -2.9 | 4.1 | | 177 | 2.4 | -.1 | 2.4 | 2 | 175 | 3.0 | -.3 | 3.0 | 3742 |
| 675 | | 156 | 4.2 | -1.7 | 3.8 | | 157 | 4.8 | -1.9 | 4.5 | | 166 | 2.7 | -.6 | 2.6 | 2 | 159 | 1.9 | -.7 | 1.8 | 3431 |
| 700 | | 151 | 3.5 | -1.7 | 3.1 | | 143 | 3.4 | -2.1 | 2.7 | | 145 | 1.9 | -1.1 | 1.6 | 2 | 85 | 1.8 | -1.8 | -.2 | 3130 |
| 725 | | 106 | 6.5 | -6.2 | 1.8 | | 91 | 11.2 | -11.2 | .2 | | 109 | 2.8 | -2.6 | .9 | 2 | 76 | 3.4 | -3.3 | -.8 | 2837 |
| 750 | | 89 | 11.8 | -11.8 | -.2 | | 90 | 14.5 | -14.5 | .1 | | 97 | 7.0 | -7.0 | .8 | 2 | 80 | 6.0 | -5.9 | -1.0 | 2553 |
| 775 | | 84 | 13.2 | -13.2 | -1.4 | | 89 | 13.9 | -13.9 | -.2 | | 85 | 10.6 | -10.5 | -.9 | 2 | 81 | 9.6 | -9.5 | -1.4 | 2276 |
| 800 | | 83 | 12.8 | -12.7 | -1.7 | | 86 | 14.2 | -14.1 | -1.1 | | 79 | 13.0 | -12.7 | -2.6 | 2 | 82 | 12.8 | -12.7 | -1.7 | 2007 |
| 825 | 3 | 83 | 14.3 | -14.2 | -1.8 | | 84 | 14.2 | -14.1 | -1.4 | | 80 | 14.4 | -14.2 | -2.5 | 2 | 82 | 14.2 | -14.1 | -2.0 | 1745 |
| 850 | 3 | 84 | 15.1 | -15.0 | -1.5 | | 85 | 14.3 | -14.3 | -1.2 | | 83 | 14.5 | -14.4 | -1.8 | 2 | 80 | 14.0 | -13.7 | -2.5 | 1490 |
| 875 | 2 | 86 | 14.6 | -14.6 | -1.1 | 3 | 88 | 14.9 | -14.8 | -.6 | 3 | 85 | 13.9 | -13.8 | -1.3 | 2 | 80 | 14.3 | -14.1 | -2.6 | 1242 |
| 900 | 2 | 86 | 14.0 | -14.0 | -.9 | 2 | 88 | 15.0 | -15.0 | -.6 | 2 | 85 | 13.3 | -13.3 | -1.1 | 2 | 80 | 15.0 | -14.8 | -2.6 | 999 |
| 925 | 2 | 86 | 13.8 | -13.8 | -1.1 | 2 | 86 | 14.4 | -14.4 | -1.1 | 2 | 82 | 13.5 | -13.4 | -2.0 | 2 | 76 | 14.3 | -13.9 | -3.4 | 762 |
| 950 | 2 | 84 | 12.9 | -12.9 | -1.3 | 2 | 83 | 13.3 | -13.2 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 72 | 13.1 | -12.5 | -3.9 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/ 9 930 GMT | | | | 3/ 9 1240 GMT | | | | 3/10 12 0 GMT | | | | 3/10 1441 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 14.6 | 13.8 | 4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 282 | 23.8 | 23.3 | -4.9 | | 287 | 18.1 | 17.3 | -5.4 | | 262 | 15.0 | 14.8 | 2.2 | | 252 | 12.9 | 12.2 | 4.0 | 18589 |
| 80 | | 298 | 17.5 | 15.4 | -8.3 | | 295 | 12.6 | 11.4 | -5.3 | | 289 | 17.0 | 16.1 | -5.6 | | 287 | 16.9 | 16.2 | -4.9 | 17801 |
| 90 | | 305 | 21.6 | 17.7 | -12.4 | | 303 | 18.9 | 15.8 | -10.3 | | 301 | 19.5 | 16.7 | -10.0 | | 282 | 18.5 | 18.0 | -4.0 | 17121 |
| 100 | | 288 | 11.8 | 11.2 | -3.7 | | 283 | 14.4 | 14.1 | -3.2 | | 291 | 30.0 | 27.9 | -11.0 | | 292 | 23.8 | 22.0 | -9.1 | 16521 |
| 110 | | 246 | 20.2 | 18.5 | 8.2 | | 257 | 19.1 | 18.7 | 4.2 | | 279 | 25.0 | 24.7 | -3.8 | | 278 | 19.7 | 19.5 | -2.7 | 15978 |
| 120 | | 255 | 34.2 | 33.1 | 8.8 | | 251 | 25.1 | 23.7 | 8.3 | | 268 | 24.4 | 24.4 | .9 | | 281 | 32.3 | 31.7 | -6.3 | 15479 |
| 130 | | 260 | 29.7 | 29.3 | 5.1 | | 254 | 23.9 | 23.0 | 6.7 | | 278 | 36.1 | 35.8 | -4.7 | | 285 | 36.2 | 34.9 | -9.6 | 15014 |
| 140 | | 269 | 21.0 | 21.0 | .5 | | 259 | 22.7 | 22.3 | 4.2 | | 277 | 30.7 | 30.4 | -4.0 | | 286 | 35.1 | 33.8 | -9.5 | 14578 |
| 150 | | 273 | 21.5 | 21.4 | -1.2 | | 264 | 21.6 | 21.5 | 2.1 | | 279 | 34.0 | 33.6 | -5.4 | | 282 | 34.2 | 33.5 | -7.1 | 14167 |
| 160 | | 274 | 24.2 | 24.1 | -1.8 | | 269 | 21.6 | 21.6 | .3 | | 281 | 35.6 | 35.0 | -6.6 | | 275 | 28.0 | 27.9 | -2.4 | 13776 |
| 170 | | 280 | 23.4 | 23.1 | -3.9 | | 274 | 24.9 | 24.8 | -1.6 | | 281 | 34.2 | 33.5 | -6.6 | | 274 | 26.4 | 26.4 | -1.7 | 13404 |
| 180 | | 286 | 22.7 | 21.9 | -6.2 | | 274 | 24.2 | 24.1 | -1.8 | | 284 | 33.8 | 32.8 | -8.2 | | 286 | 33.1 | 31.8 | -9.2 | 13049 |
| 190 | | 286 | 23.1 | 22.2 | -6.2 | | 275 | 22.8 | 22.7 | -2.1 | | 287 | 31.5 | 30.1 | -9.1 | | 288 | 29.2 | 27.8 | -9.0 | 12709 |
| 200 | | 286 | 23.4 | 22.6 | -6.3 | | 281 | 23.3 | 22.9 | -4.5 | | 287 | 30.3 | 29.1 | -8.6 | | 288 | 29.5 | 28.0 | -9.2 | 12383 |
| 225 | | 287 | 21.3 | 20.4 | -6.1 | | 286 | 19.9 | 19.2 | -5.5 | | 289 | 27.9 | 26.4 | -9.0 | | 294 | 27.9 | 25.5 | -11.2 | 11617 |
| 250 | | 295 | 16.1 | 14.6 | -6.7 | | 273 | 16.7 | 16.7 | -1.0 | | 299 | 25.1 | 22.0 | -12.1 | | 289 | 25.3 | 23.9 | -8.3 | 10914 |
| 275 | | 296 | 13.9 | 12.5 | -6.1 | | 287 | 15.8 | 15.1 | -4.7 | | 306 | 24.7 | 19.9 | -14.7 | | 302 | 23.3 | 19.7 | -12.5 | 10262 |
| 300 | | 288 | 12.8 | 12.1 | -4.0 | | 295 | 14.7 | 13.3 | -6.3 | | 309 | 17.9 | 14.0 | -11.2 | | 308 | 22.9 | 18.0 | -14.2 | 9654 |
| 325 | | 291 | 8.9 | 8.3 | -3.1 | | 303 | 11.0 | 9.2 | -6.1 | | 319 | 16.4 | 10.8 | -12.4 | | 314 | 16.6 | 12.0 | -11.5 | 9084 |
| 350 | | 270 | 2.8 | 2.8 | .0 | | 307 | 7.5 | 6.0 | -4.5 | | 317 | 13.5 | 9.2 | -9.9 | | 318 | 14.7 | 9.9 | -10.9 | 8546 |
| 375 | | 65 | 2.6 | -2.3 | -1.1 | | 348 | 1.4 | .3 | -1.4 | | 311 | 7.4 | 5.5 | -4.9 | | 293 | 7.9 | 7.2 | -3.1 | 8039 |
| 400 | | 70 | 4.2 | -3.9 | -1.5 | | 51 | 3.6 | -2.8 | -2.3 | | 289 | 6.6 | 6.3 | -2.2 | | 269 | 6.0 | 6.0 | .1 | 7557 |
| 425 | | 333 | 1.4 | .6 | -1.3 | | 8 | 1.8 | -.3 | -1.8 | | 257 | 2.8 | 2.7 | .6 | | 233 | 2.3 | 1.9 | 1.4 | 7099 |
| 450 | | 265 | 5.2 | 5.2 | .5 | | 306 | 5.8 | 4.7 | -3.4 | | 186 | .2 | .0 | .2 | | 279 | 3.5 | 3.5 | -.6 | 6662 |
| 475 | | 294 | 3.5 | 3.1 | -1.4 | | 309 | 6.7 | 5.2 | -4.2 | | 310 | 8.6 | 6.6 | -5.5 | | 309 | 7.4 | 5.8 | -4.6 | 6244 |
| 500 | | 1 | .9 | -.0 | -.9 | | 92 | 2.4 | -2.4 | .1 | | 312 | 10.9 | 8.1 | -7.2 | | 317 | 8.0 | 5.4 | -5.9 | 5844 |
| 525 | | 95 | 2.3 | -2.3 | .2 | | 90 | 4.3 | -4.3 | .0 | | 307 | 7.8 | 6.2 | -4.8 | | 321 | 6.0 | 3.8 | -4.7 | 5460 |
| 550 | | 85 | 4.6 | -4.6 | -.4 | | 101 | 3.1 | -3.1 | .6 | | 301 | 2.5 | 2.2 | -1.3 | | 337 | 1.6 | .6 | -1.4 | 5091 |
| 575 | | 184 | 2.3 | .1 | 2.3 | | 215 | 3.0 | 1.7 | 2.5 | | 227 | .8 | .6 | .6 | | 70 | .8 | -.7 | -.3 | 4736 |
| 600 | | 236 | 6.2 | 5.1 | 3.5 | | 267 | 4.2 | 4.2 | .2 | | 237 | 3.9 | 3.3 | 2.1 | | 227 | 4.1 | 3.0 | 2.8 | 4393 |
| 625 | | 226 | 2.7 | 1.9 | 1.9 | | 288 | 2.4 | 2.2 | -.7 | | 255 | 4.4 | 4.2 | 1.1 | | 248 | 5.0 | 4.7 | 1.8 | 4062 |
| 650 | | 156 | 1.6 | -.6 | 1.4 | | 288 | .1 | .1 | -.0 | | 268 | 2.7 | 2.7 | .1 | | 289 | 3.6 | 3.4 | -1.2 | 3742 |
| 675 | | 103 | .8 | -.8 | .2 | | 108 | .5 | -.5 | .1 | | 172 | 2.5 | -.4 | 2.5 | | 259 | .5 | .5 | .1 | 3431 |
| 700 | | 15 | 2.3 | -.6 | -2.2 | | 14 | 1.1 | -.3 | -1.0 | | 135 | 5.8 | -4.1 | 4.1 | | 143 | 3.2 | -1.9 | 2.6 | 3130 |
| 725 | | 29 | 4.3 | -2.1 | -3.8 | | 13 | 3.6 | -.8 | -3.5 | | 121 | 7.6 | -6.5 | 3.9 | | 129 | 5.2 | -4.0 | 3.3 | 2837 |
| 750 | | 66 | 6.6 | -6.0 | -2.7 | | 45 | 4.4 | -3.1 | -3.1 | | 113 | 9.0 | -8.3 | 3.5 | | 121 | 6.4 | -5.5 | 3.3 | 2553 |
| 775 | | 83 | 9.3 | -9.2 | -1.1 | | 81 | 8.6 | -8.5 | -1.3 | | 109 | 11.4 | -10.8 | 3.7 | | 117 | 7.8 | -7.0 | 3.5 | 2276 |
| 800 | | 90 | 11.2 | -11.2 | -.1 | | 85 | 12.9 | -12.9 | -1.1 | | 109 | 12.8 | -12.1 | 4.3 | | 113 | 10.5 | -9.7 | 4.0 | 2007 |
| 825 | | 91 | 13.0 | -12.9 | .3 | | 89 | 13.1 | -13.1 | -.2 | | 106 | 12.4 | -11.9 | 3.5 | 2 | 111 | 12.0 | -11.2 | 4.3 | 1745 |
| 850 | | 91 | 14.4 | -14.4 | .2 | | 94 | 13.1 | -13.1 | .8 | | 98 | 11.6 | -11.5 | 1.6 | 2 | 109 | 11.9 | -11.2 | 3.8 | 1490 |
| 875 | 3 | 90 | 15.6 | -15.6 | .1 | 3 | 89 | 14.6 | -14.6 | -.2 | 3 | 91 | 11.3 | -11.3 | .1 | 2 | 104 | 11.9 | -11.5 | 2.8 | 1242 |
| 900 | 2 | 87 | 16.5 | -16.5 | -.8 | 2 | 84 | 15.4 | -15.3 | -1.5 | 2 | 86 | 11.3 | -11.3 | -.8 | 2 | 98 | 12.4 | -12.3 | 1.8 | 999 |
| 925 | 2 | 81 | 16.7 | -16.5 | -2.6 | 2 | 82 | 14.6 | -14.5 | -2.1 | 2 | 82 | 11.6 | -11.5 | -1.5 | 2 | 94 | 12.5 | -12.5 | .9 | 762 |
| 950 | 2 | 77 | 15.8 | -15.5 | -3.4 | 2 | 79 | 13.2 | -13.0 | -2.4 | 2 | 83 | 11.1 | -11.0 | -1.4 | 2 | 90 | 10.8 | -10.8 | .0 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/10 18 0 GMT | | | | 3/10 2045 GMT | | | | 3/10 2345 GMT | | | | 3/11 3 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 211 | 3.2 | 1.7 | 2.8 | | 263 | 10.8 | 10.7 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 14.1 | 13.4 | 4.6 | | 250 | 13.4 | 12.6 | 4.5 | | 270 | 8.7 | 8.7 | .1 | 18589 |
| 80 | | 290 | 16.0 | 15.0 | -5.6 | | 275 | 16.8 | 16.7 | -1.5 | | 285 | 17.1 | 16.6 | -4.4 | | 292 | 16.8 | 15.6 | -6.2 | 17801 |
| 90 | | 289 | 17.4 | 16.5 | -5.6 | | 288 | 16.5 | 15.7 | -5.1 | 2 | 289 | 14.5 | 13.7 | -4.8 | | 300 | 17.1 | 14.8 | -8.5 | 17121 |
| 100 | | 287 | 17.7 | 16.9 | -5.2 | | 291 | 17.4 | 16.2 | -6.2 | | 296 | 19.3 | 17.3 | -8.5 | | 301 | 9.8 | 8.4 | -5.0 | 16521 |
| 110 | | 283 | 19.6 | 19.1 | -4.6 | | 287 | 24.0 | 23.0 | -6.9 | 2 | 295 | 20.0 | 18.1 | -8.5 | | 295 | 20.9 | 19.0 | -8.7 | 15978 |
| 120 | | 286 | 25.0 | 24.0 | -6.9 | | 292 | 27.7 | 25.7 | -10.4 | | 295 | 26.8 | 24.3 | -11.3 | | 295 | 22.6 | 20.5 | -9.5 | 15479 |
| 130 | | 288 | 29.3 | 27.9 | -8.8 | | 288 | 33.6 | 32.0 | -10.2 | 2 | 293 | 29.1 | 26.8 | -11.1 | | 291 | 26.7 | 24.9 | -9.5 | 15014 |
| 140 | | 287 | 29.7 | 28.4 | -8.8 | | 282 | 32.2 | 31.4 | -6.9 | | 288 | 30.3 | 28.8 | -9.3 | | 291 | 30.7 | 28.7 | -10.8 | 14578 |
| 150 | | 286 | 29.0 | 27.9 | -7.9 | | 285 | 29.0 | 28.0 | -7.5 | | 285 | 33.7 | 32.7 | -8.5 | | 283 | 27.5 | 26.8 | -6.1 | 14167 |
| 160 | | 286 | 29.8 | 28.6 | -8.1 | | 289 | 28.0 | 26.4 | -9.3 | | 286 | 30.2 | 29.0 | -8.5 | | 281 | 32.0 | 31.4 | -6.2 | 13776 |
| 170 | | 285 | 27.4 | 26.4 | -7.3 | | 286 | 28.0 | 26.8 | -7.8 | | 287 | 28.5 | 27.2 | -8.3 | | 280 | 32.9 | 32.4 | -5.9 | 13404 |
| 180 | | 282 | 24.0 | 23.5 | -4.9 | | 279 | 25.5 | 25.2 | -4.0 | | 285 | 29.5 | 28.5 | -7.7 | | 279 | 27.2 | 26.8 | -4.4 | 13049 |
| 190 | | 277 | 22.4 | 22.2 | -2.9 | | 276 | 24.4 | 24.2 | -2.6 | | 284 | 25.0 | 24.3 | -5.9 | | 287 | 27.5 | 26.4 | -8.0 | 12709 |
| 200 | | 279 | 22.4 | 22.2 | -3.4 | | 276 | 24.6 | 24.5 | -2.5 | | 279 | 20.9 | 20.6 | -3.3 | | 290 | 25.2 | 23.6 | -8.7 | 12383 |
| 225 | | 293 | 27.1 | 24.9 | -10.6 | | 292 | 22.4 | 20.8 | -8.5 | | 284 | 21.6 | 21.0 | -5.3 | | 288 | 17.1 | 16.3 | -5.3 | 11617 |
| 250 | | 294 | 23.0 | 21.0 | -9.2 | | 292 | 19.1 | 17.8 | -7.0 | | 300 | 13.6 | 11.7 | -6.9 | | 300 | 10.4 | 9.1 | -5.2 | 10914 |
| 275 | | 299 | 20.5 | 18.0 | -9.9 | | 297 | 20.9 | 18.6 | -9.4 | | 308 | 12.2 | 9.7 | -7.5 | | 273 | 6.8 | 6.8 | -.4 | 10262 |
| 300 | | 303 | 19.8 | 16.6 | -10.7 | | 299 | 17.8 | 15.5 | -8.6 | | 311 | 9.6 | 7.2 | -6.3 | | 293 | 11.3 | 10.4 | -4.4 | 9654 |
| 325 | | 313 | 16.7 | 12.2 | -11.4 | | 311 | 16.3 | 12.3 | -10.7 | | 321 | 5.8 | 3.7 | -4.5 | | 324 | 16.7 | 9.7 | -13.5 | 9084 |
| 350 | | 319 | 13.7 | 8.9 | -10.4 | | 330 | 12.3 | 6.2 | -10.7 | | 331 | 14.0 | 6.9 | -12.2 | | 323 | 12.1 | 7.3 | -9.6 | 8546 |
| 375 | | 318 | 7.9 | 5.3 | -5.9 | | 331 | 7.9 | 3.8 | -6.9 | | 328 | 11.6 | 6.1 | -9.9 | | 340 | 7.7 | 2.7 | -7.2 | 8039 |
| 400 | | 279 | 6.6 | 6.6 | -1.1 | | 281 | 4.7 | 4.6 | -.9 | | 284 | 5.8 | 5.7 | -1.4 | | 299 | 1.8 | 1.6 | -.9 | 7557 |
| 425 | | 271 | 2.4 | 2.4 | -.1 | | 264 | 3.0 | 3.0 | .3 | | 235 | 3.8 | 3.1 | 2.2 | | 247 | 1.7 | 1.6 | .7 | 7099 |
| 450 | | 301 | 2.0 | 1.7 | -1.0 | | 278 | 3.2 | 3.2 | -.5 | | 272 | 2.8 | 2.8 | -.1 | | 85 | .4 | -.3 | -.0 | 6662 |
| 475 | | 313 | 5.7 | 4.2 | -3.8 | | 297 | 6.0 | 5.3 | -2.7 | | 336 | 4.7 | 1.9 | -4.3 | | 348 | 2.6 | .5 | -2.6 | 6244 |
| 500 | | 322 | 7.4 | 4.6 | -5.8 | | 321 | 5.5 | 3.4 | -4.3 | | 345 | 7.3 | 1.9 | -7.0 | | 26 | 3.5 | -1.6 | -3.2 | 5844 |
| 525 | | 329 | 5.5 | 2.8 | -4.7 | | 337 | 3.2 | 1.2 | -2.9 | | 338 | 1.0 | .4 | -.9 | | 63 | 1.3 | -1.1 | -.6 | 5460 |
| 550 | | 51 | 2.4 | -1.8 | -1.5 | | 107 | 2.1 | -2.0 | .6 | | 131 | 1.4 | -1.1 | .9 | | 257 | .6 | .6 | .1 | 5091 |
| 575 | | 66 | 1.2 | -1.1 | -.5 | | 103 | 2.1 | -2.1 | .5 | | 162 | 1.7 | -.5 | 1.6 | | 236 | 2.7 | 2.2 | 1.5 | 4736 |
| 600 | | 254 | 3.0 | 2.9 | .8 | | 253 | 3.7 | 3.6 | 1.1 | | 224 | 5.1 | 3.5 | 3.6 | | 243 | 6.1 | 5.4 | 2.8 | 4393 |
| 625 | | 269 | 4.5 | 4.5 | .1 | | 259 | 5.4 | 5.3 | 1.0 | | 242 | 5.4 | 4.8 | 2.6 | | 246 | 7.1 | 6.5 | 2.9 | 4062 |
| 650 | | 289 | 1.1 | 1.0 | -.3 | | 281 | 4.1 | 4.1 | -.8 | | 280 | 3.5 | 3.4 | -.6 | | 271 | 4.9 | 4.9 | -.1 | 3742 |
| 675 | | 99 | 1.9 | -1.8 | .3 | | 124 | .6 | -.5 | .3 | | 99 | 1.8 | -1.7 | .3 | | 268 | 1.5 | 1.5 | .1 | 3431 |
| 700 | | 107 | 4.0 | -3.8 | 1.2 | | 108 | 4.7 | -4.5 | 1.5 | | 113 | 8.0 | -7.4 | 3.1 | | 132 | 4.3 | -3.2 | 2.9 | 3130 |
| 725 | | 110 | 8.1 | -7.6 | 2.8 | | 86 | 6.2 | -6.1 | -.4 | | 116 | 9.8 | -8.8 | 4.3 | | 115 | 7.3 | -6.6 | 3.1 | 2837 |
| 750 | | 111 | 11.8 | -11.0 | 4.3 | | 86 | 7.7 | -7.7 | -.5 | | 107 | 9.1 | -8.7 | 2.7 | | 106 | 8.1 | -7.8 | 2.3 | 2553 |
| 775 | | 112 | 13.0 | -12.0 | 5.0 | | 98 | 8.7 | -8.6 | 1.2 | | 102 | 10.3 | -10.0 | 2.2 | | 105 | 9.1 | -8.8 | 2.4 | 2276 |
| 800 | | 111 | 12.3 | -11.5 | 4.4 | | 110 | 9.3 | -8.8 | 3.3 | | 102 | 10.9 | -10.6 | 2.3 | 2 | 102 | 9.0 | -8.8 | 1.9 | 2007 |
| 825 | | 105 | 11.6 | -11.2 | 3.0 | | 114 | 11.1 | -10.2 | 4.6 | | 99 | 9.9 | -9.8 | 1.5 | 2 | 100 | 8.2 | -8.1 | 1.4 | 1745 |
| 850 | | 102 | 12.0 | -11.8 | 2.5 | | 106 | 12.6 | -12.1 | 3.5 | | 96 | 9.5 | -9.4 | 1.1 | 2 | 101 | 8.0 | -7.9 | 1.6 | 1490 |
| 875 | 3 | 103 | 12.5 | -12.2 | 2.8 | 3 | 99 | 13.6 | -13.4 | 2.1 | 2 | 100 | 10.2 | -10.0 | 1.8 | 2 | 103 | 8.3 | -8.1 | 1.9 | 1242 |
| 900 | 2 | 102 | 12.4 | -12.2 | 2.7 | 2 | 103 | 14.4 | -14.0 | 3.1 | 2 | 105 | 10.5 | -10.1 | 2.8 | 2 | 104 | 8.5 | -8.3 | 2.1 | 999 |
| 925 | 2 | 100 | 12.0 | -11.8 | 2.1 | 2 | 109 | 14.5 | -13.6 | 4.8 | 2 | 108 | 9.8 | -9.3 | 3.0 | 2 | 107 | 8.1 | -7.8 | 2.4 | 762 |
| 950 | 2 | 96 | 11.2 | -11.2 | 1.1 | 2 | 112 | 13.1 | -12.1 | 4.9 | 2 | 107 | 8.2 | -7.8 | 2.4 | 2 | 113 | 6.4 | -5.9 | 2.5 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/11 6 3 GMT | | | | 3/11 9 0 GMT | | | | 3/11 1137 GMT | | | | 3/11 1925 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 20.9 | 20.2 | -5.6 | | 281 | 13.0 | 12.8 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 16.0 | 15.6 | 3.4 | | 259 | 13.3 | 13.0 | 2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 9.2 | 9.0 | 2.1 | | 245 | 13.5 | 12.3 | 5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 301 | 12.1 | 10.4 | -6.3 | | 293 | 10.6 | 9.8 | -4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 322 | 14.5 | 8.9 | -11.5 | | 311 | 13.0 | 9.8 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 306 | 14.6 | 11.9 | -8.5 | | 309 | 15.9 | 12.3 | -10.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 21.6 | 19.2 | -9.8 | | 296 | 22.5 | 20.3 | -9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 31.5 | 29.8 | -10.2 | | 298 | 22.9 | 20.2 | -10.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 32.5 | 31.4 | -8.5 | | 285 | 24.8 | 23.9 | -6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 32.6 | 31.6 | -8.3 | | 285 | 30.0 | 28.9 | -8.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 33.1 | 31.7 | -9.5 | | 283 | 28.0 | 27.3 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 31.9 | 30.5 | -9.3 | | 282 | 27.6 | 27.0 | -5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 31.1 | 29.8 | -8.9 | | 284 | 28.2 | 27.4 | -6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 30.4 | 29.2 | -8.4 | | 288 | 26.3 | 25.0 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 27.5 | 26.5 | -7.4 | | 288 | 27.8 | 26.3 | -8.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 26.8 | 25.9 | -6.9 | | 284 | 27.2 | 26.3 | -6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 21.5 | 20.6 | -6.1 | | 287 | 27.7 | 26.5 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 17.4 | 15.9 | -7.0 | | 288 | 23.5 | 22.3 | -7.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 11.2 | 10.3 | -4.3 | | 291 | 16.4 | 15.3 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 8.1 | 7.5 | -3.1 | | 291 | 10.9 | 10.2 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 311 | 13.7 | 10.2 | -9.1 | | 298 | 12.0 | 10.6 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 10.7 | 7.5 | -7.7 | | 307 | 11.4 | 9.1 | -6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 314 | 3.8 | 2.7 | -2.6 | | 317 | 7.4 | 5.0 | -5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 145 | 2.2 | -1.2 | 1.8 | | 303 | 1.9 | 1.6 | -1.0 | 2 | 296 | 4.1 | 3.6 | -1.8 | 7099 |
| 450 | | 226 | 4.2 | 3.0 | 2.9 | | 204 | 2.7 | 1.1 | 2.4 | | 253 | 1.3 | 1.2 | .4 | 2 | 295 | 4.5 | 4.1 | -1.9 | 6662 |
| 475 | | 262 | 4.7 | 4.6 | .6 | | 300 | 3.0 | 2.6 | -1.5 | | 279 | 4.5 | 4.4 | -.7 | 2 | 300 | 2.7 | 2.3 | -1.3 | 6244 |
| 500 | | 329 | 3.3 | 1.7 | -2.9 | | 349 | 2.9 | .6 | -2.9 | | 301 | 3.0 | 2.6 | -1.5 | 2 | 208 | 1.5 | .7 | 1.3 | 5844 |
| 525 | | 345 | 2.1 | .6 | -2.0 | | 254 | 1.6 | 1.5 | .4 | | 244 | 3.3 | 3.0 | 1.4 | 2 | 210 | 4.2 | 2.1 | 3.6 | 5460 |
| 550 | | 303 | 2.0 | 1.7 | -1.1 | | 217 | 1.5 | .9 | 1.2 | | 230 | 2.6 | 2.0 | 1.7 | 2 | 227 | 6.0 | 4.4 | 4.1 | 5091 |
| 575 | | 279 | 3.8 | 3.7 | -.6 | | 255 | 4.0 | 3.8 | 1.0 | | 253 | 4.3 | 4.1 | 1.2 | 2 | 221 | 6.1 | 3.9 | 4.6 | 4736 |
| 600 | | 261 | 5.8 | 5.7 | .9 | | 252 | 5.4 | 5.1 | 1.7 | | 262 | 6.4 | 6.4 | .9 | 2 | 254 | 5.2 | 5.0 | 1.4 | 4393 |
| 625 | | 261 | 6.5 | 6.4 | 1.0 | | 247 | 4.9 | 4.5 | 2.0 | | 255 | 4.8 | 4.6 | 1.2 | 2 | 282 | 3.5 | 3.4 | -.7 | 4062 |
| 650 | | 292 | 5.3 | 4.9 | -2.0 | | 272 | 3.8 | 3.8 | -.2 | | 274 | 4.3 | 4.3 | -.3 | 2 | 324 | 2.1 | 1.3 | -1.7 | 3742 |
| 675 | | 5 | 2.6 | -.2 | -2.6 | | 343 | .8 | .2 | -.7 | | 352 | 1.8 | .3 | -1.8 | 2 | 20 | 2.8 | -1.0 | -2.6 | 3431 |
| 700 | | 71 | 2.5 | -2.3 | -.8 | | 152 | 1.9 | -.9 | 1.7 | | 116 | .9 | -.8 | .4 | 2 | 89 | 6.5 | -6.5 | -.1 | 3130 |
| 725 | | 87 | 3.7 | -3.7 | -.2 | | 163 | 2.6 | -.8 | 2.5 | | 133 | 1.4 | -1.0 | 1.0 | 2 | 103 | 10.9 | -10.6 | 2.5 | 2837 |
| 750 | | 84 | 6.6 | -6.5 | -.6 | | 99 | 3.9 | -3.8 | .6 | | 89 | 5.9 | -5.9 | -.1 | 2 | 101 | 10.4 | -10.2 | 1.9 | 2553 |
| 775 | | 87 | 7.1 | -7.1 | -.4 | | 88 | 8.1 | -8.1 | -.2 | | 92 | 9.4 | -9.4 | .3 | 2 | 104 | 9.4 | -9.1 | 2.3 | 2276 |
| 800 | | 97 | 6.1 | -6.1 | .7 | | 96 | 10.2 | -10.2 | 1.1 | | 93 | 9.2 | -9.2 | .5 | 2 | 109 | 9.8 | -9.3 | 3.2 | 2007 |
| 825 | | 106 | 6.3 | -6.1 | 1.8 | 3 | 103 | 9.6 | -9.4 | 2.1 | | 94 | 8.7 | -8.7 | .6 | 2 | 105 | 10.1 | -9.8 | 2.7 | 1745 |
| 850 | | 106 | 7.8 | -7.5 | 2.2 | 3 | 108 | 8.2 | -7.8 | 2.5 | | 100 | 10.2 | -10.0 | 1.8 | 2 | 101 | 10.6 | -10.4 | 2.0 | 1490 |
| 875 | 3 | 107 | 9.5 | -9.1 | 2.8 | 2 | 110 | 6.9 | -6.5 | 2.4 | 3 | 99 | 11.2 | -11.1 | 1.8 | 2 | 100 | 11.3 | -11.1 | 2.0 | 1242 |
| 900 | 2 | 112 | 10.3 | -9.5 | 3.9 | 2 | 108 | 6.6 | -6.3 | 2.1 | 2 | 98 | 10.8 | -10.7 | 1.5 | 2 | 102 | 12.9 | -12.7 | 2.7 | 999 |
| 925 | 2 | 118 | 9.7 | -8.6 | 4.5 | 2 | 103 | 6.9 | -6.7 | 1.6 | 2 | 107 | 10.2 | -9.8 | 2.9 | 2 | 104 | 14.6 | -14.2 | 3.5 | 762 |
| 950 | 2 | 122 | 8.4 | -7.1 | 4.4 | 2 | 94 | 7.4 | -7.3 | .5 | 2 | 116 | 9.0 | -8.1 | 3.9 | 2 | 103 | 10.0 | -9.7 | 2.3 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 86 | 7.3 | -7.3 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/11 2353 GMT | | | | 3/12 235 GMT | | | | 3/12 6 0 GMT | | | | 3/12 1150 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 278 | 7.0 | 6.9 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 14.5 | 14.2 | -2.8 | 19517 |
| 70 | | 276 | 9.2 | 9.2 | -.9 | 2 | 268 | 12.3 | 12.3 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 10.0 | 10.0 | .7 | 18589 |
| 80 | | 239 | 9.4 | 8.0 | 4.8 | 2 | 262 | 13.7 | 13.5 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 16.3 | 16.3 | .3 | 17801 |
| 90 | | 231 | 11.6 | 9.0 | 7.3 | 2 | 225 | 8.8 | 6.3 | 6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 242 | 17.9 | 15.8 | 8.4 | 17121 |
| 100 | | 293 | 6.5 | 6.0 | -2.5 | 2 | 311 | 6.8 | 5.1 | -4.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 195 | 11.2 | 2.8 | 10.8 | 16521 |
| 110 | | 298 | 6.6 | 5.8 | -3.1 | 2 | 274 | 5.5 | 5.5 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 184 | 5.4 | .4 | 5.4 | 15978 |
| 120 | | 288 | 10.7 | 10.2 | -3.3 | 2 | 309 | 6.8 | 5.2 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 337 | 4.4 | 1.7 | -4.1 | 15479 |
| 130 | | 287 | 15.3 | 14.6 | -4.4 | 2 | 281 | 9.0 | 8.8 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 6.3 | 3.8 | -5.0 | 15014 |
| 140 | | 284 | 21.5 | 20.9 | -5.4 | 2 | 273 | 12.2 | 12.2 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 321 | 6.7 | 4.2 | -5.2 | 14578 |
| 150 | | 284 | 17.2 | 16.8 | -4.1 | 2 | 276 | 15.1 | 15.0 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 325 | 9.7 | 5.5 | -8.0 | 14167 |
| 160 | | 284 | 21.5 | 20.9 | -5.1 | 2 | 279 | 16.6 | 16.3 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 12.1 | 7.2 | -9.7 | 13776 |
| 170 | | 286 | 18.6 | 17.9 | -5.0 | 2 | 284 | 19.4 | 18.8 | -4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 309 | 13.1 | 10.2 | -8.2 | 13404 |
| 180 | | 286 | 17.4 | 16.7 | -4.8 | 2 | 289 | 18.3 | 17.3 | -6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 11.3 | 11.1 | -2.1 | 13049 |
| 190 | | 282 | 19.7 | 19.3 | -4.0 | 2 | 291 | 14.9 | 13.9 | -5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 12.9 | 12.8 | -1.4 | 12709 |
| 200 | | 283 | 20.6 | 20.1 | -4.6 | 2 | 288 | 16.0 | 15.2 | -5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 16.2 | 16.1 | -2.0 | 12383 |
| 225 | | 297 | 17.0 | 15.1 | -7.8 | 2 | 278 | 16.4 | 16.2 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 14.6 | 14.5 | -1.5 | 11617 |
| 250 | | 297 | 19.2 | 17.1 | -8.8 | 2 | 283 | 15.9 | 15.5 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 14.2 | 13.5 | -4.3 | 10914 |
| 275 | | 308 | 16.8 | 13.3 | -10.3 | 2 | 302 | 17.1 | 14.5 | -9.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 16.0 | 14.1 | -7.6 | 10262 |
| 300 | | 280 | 13.3 | 13.1 | -2.4 | 2 | 294 | 15.1 | 13.7 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 307 | 6.3 | 5.0 | -3.8 | 9654 |
| 325 | | 295 | 9.5 | 8.6 | -3.9 | 2 | 271 | 11.3 | 11.3 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 341 | 9.0 | 2.9 | -8.5 | 9084 |
| 350 | | 302 | 7.0 | 6.0 | -3.8 | 2 | 292 | 8.4 | 7.8 | -3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 328 | 7.1 | 3.7 | -6.0 | 8546 |
| 375 | 2 | 258 | 5.1 | 5.0 | 1.1 | 2 | 312 | 7.9 | 5.9 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 339 | 7.0 | 2.5 | -6.5 | 8039 |
| 400 | | 249 | 7.0 | 6.5 | 2.5 | 2 | 251 | 6.7 | 6.3 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 333 | 4.3 | 2.0 | -3.9 | 7557 |
| 425 | | 257 | 5.5 | 5.4 | 1.3 | 2 | 222 | 9.2 | 6.2 | 6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 6.2 | 5.8 | -2.2 | 7099 |
| 450 | | 268 | 3.2 | 3.2 | .1 | 2 | 222 | 5.3 | 3.6 | 3.9 | | 214 | 4.7 | 2.6 | 3.9 | | 272 | 7.4 | 7.4 | -.3 | 6662 |
| 475 | | 298 | 3.0 | 2.6 | -1.4 | 2 | 223 | 2.7 | 1.9 | 2.0 | | 202 | 6.9 | 2.6 | 6.4 | | 246 | 6.9 | 6.3 | 2.8 | 6244 |
| 500 | | 280 | 2.4 | 2.3 | -.4 | 2 | 202 | 3.0 | 1.1 | 2.8 | | 198 | 5.8 | 1.8 | 5.5 | | 221 | 8.0 | 5.2 | 6.1 | 5844 |
| 525 | | 206 | 4.9 | 2.1 | 4.4 | 2 | 200 | 6.7 | 2.3 | 6.2 | | 207 | 5.2 | 2.3 | 4.6 | | 225 | 6.6 | 4.6 | 4.7 | 5460 |
| 550 | | 222 | 4.2 | 2.8 | 3.2 | 2 | 214 | 5.5 | 3.1 | 4.6 | | 224 | 5.6 | 3.9 | 4.1 | | 210 | 5.5 | 2.8 | 4.8 | 5091 |
| 575 | | 238 | 6.8 | 5.8 | 3.6 | 2 | 245 | 5.8 | 5.3 | 2.4 | | 240 | 4.6 | 4.0 | 2.3 | | 223 | 5.6 | 3.8 | 4.1 | 4736 |
| 600 | | 214 | 5.4 | 3.0 | 4.5 | 2 | 234 | 5.2 | 4.2 | 3.1 | | 223 | 5.4 | 3.7 | 3.9 | | 233 | 5.8 | 4.6 | 3.5 | 4393 |
| 625 | | 245 | 2.2 | 2.0 | .9 | 2 | 229 | 2.2 | 1.7 | 1.4 | | 209 | 3.8 | 1.9 | 3.3 | | 225 | 4.3 | 3.0 | 3.0 | 4062 |
| 650 | | 304 | 1.4 | 1.1 | -.8 | 2 | 262 | .6 | .6 | .1 | | 178 | .9 | -.0 | .9 | | 34 | 1.7 | -1.0 | -1.4 | 3742 |
| 675 | | 99 | 2.7 | -2.7 | .4 | 2 | 91 | 1.7 | -1.7 | .0 | | 42 | .4 | -.3 | -.3 | | 38 | 5.9 | -3.7 | -4.6 | 3431 |
| 700 | | 99 | 7.0 | -6.9 | 1.0 | 2 | 89 | 5.2 | -5.2 | -.1 | | 69 | 4.1 | -3.8 | -1.4 | | 44 | 6.9 | -4.8 | -5.0 | 3130 |
| 725 | | 99 | 8.5 | -8.4 | 1.4 | 2 | 95 | 6.8 | -6.7 | .6 | | 81 | 5.8 | -5.7 | -.9 | | 54 | 7.0 | -5.6 | -4.1 | 2837 |
| 750 | | 105 | 8.8 | -8.5 | 2.3 | 2 | 100 | 7.3 | -7.1 | 1.3 | | 96 | 5.9 | -5.9 | .6 | | 77 | 7.2 | -7.1 | -1.6 | 2553 |
| 775 | | 103 | 8.5 | -8.3 | 1.9 | 2 | 96 | 8.9 | -8.8 | .9 | | 97 | 8.6 | -8.5 | 1.1 | | 88 | 9.3 | -9.3 | -.3 | 2276 |
| 800 | | 94 | 9.4 | -9.4 | .7 | 2 | 91 | 10.4 | -10.4 | .2 | | 93 | 10.7 | -10.7 | .5 | | 85 | 10.8 | -10.8 | -.9 | 2007 |
| 825 | | 92 | 12.2 | -12.2 | .4 | 2 | 91 | 11.2 | -11.2 | .1 | | 90 | 11.2 | -11.2 | .1 | | 89 | 10.6 | -10.6 | -.1 | 1745 |
| 850 | | 93 | 14.6 | -14.5 | .8 | 2 | 91 | 11.4 | -11.4 | .2 | | 91 | 11.5 | -11.5 | .3 | | 93 | 11.1 | -11.1 | .6 | 1490 |
| 875 | 3 | 95 | 15.6 | -15.6 | 1.4 | 2 | 90 | 11.1 | -11.1 | .1 | 3 | 93 | 12.3 | -12.2 | .6 | 3 | 89 | 12.5 | -12.5 | -.2 | 1242 |
| 900 | 2 | 98 | 13.8 | -13.7 | 1.8 | 2 | 91 | 11.1 | -11.1 | .3 | 2 | 92 | 12.6 | -12.6 | .4 | 2 | 89 | 12.6 | -12.6 | -.3 | 999 |
| 925 | 2 | 94 | 8.1 | -8.1 | .6 | 2 | 92 | 10.9 | -10.9 | .4 | 2 | 90 | 12.5 | -12.5 | .0 | 2 | 90 | 11.5 | -11.5 | -.0 | 762 |
| 950 | 2 | 93 | 8.0 | -8.0 | .4 | 2 | 93 | 9.9 | -9.9 | .6 | 2 | 91 | 12.4 | -12.4 | .3 | 2 | 94 | 10.6 | -10.6 | .8 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 99 | 8.7 | -8.5 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/12 18 0 GMT | | | | | 3/12 2345 GMT | | | | | 3/13 630 GMT | | | | | 3/13 1242 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 10.8 | 10.4 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 16.1 | 16.1 | -1.6 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 8.7 | 8.7 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 240 | 6.7 | 5.8 | 3.3 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 11.2 | 11.2 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 11.6 | 11.4 | 2.2 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 14.9 | 13.9 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 17.3 | 16.0 | 6.5 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 7.2 | 7.1 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 10.7 | 10.7 | .8 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 16.1 | 15.3 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 10.8 | 9.4 | -5.4 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 11.2 | 11.2 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 326 | 9.9 | 5.6 | -8.2 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 8.4 | 7.3 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 331 | 10.9 | 5.2 | -9.6 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 327 | 14.0 | 7.7 | -11.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 12.4 | 8.7 | -8.9 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 333 | 17.5 | 8.1 | -15.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 310 | 13.8 | 10.6 | -9.0 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 331 | 18.2 | 8.8 | -15.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 13.7 | 12.1 | -6.5 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 327 | 17.5 | 9.6 | -14.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 14.0 | 13.2 | -4.8 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 322 | 15.8 | 9.8 | -12.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 16.9 | 15.0 | -7.9 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 317 | 13.6 | 9.4 | -9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 18.3 | 16.1 | -8.7 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 14.9 | 9.7 | -11.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 14.7 | 13.0 | -6.8 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 15.0 | 14.1 | -5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 8.6 | 6.3 | -5.8 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 279 | 14.0 | 13.8 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 354 | 13.4 | 1.5 | -13.3 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 303 | 8.6 | 7.2 | -4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 358 | 13.7 | .5 | -13.7 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 324 | 8.7 | 5.0 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 5 | 11.5 | -1.0 | -11.5 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 332 | 11.2 | 5.3 | -9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 348 | 13.0 | 2.7 | -12.7 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 328 | 9.4 | 4.9 | -8.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 5.2 | 5.2 | -.5 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 353 | 12.2 | 1.4 | -12.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 314 | 7.8 | 5.6 | -5.4 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 9 | 13.8 | -2.1 | -13.6 | | 9 | 9.0 | -1.4 | -8.9 | | 6 | 8.1 | -.9 | -8.1 | 7557 |
| 425 | | 242 | 4.3 | 3.8 | 2.0 | | 10 | 11.2 | -2.0 | -11.0 | | 29 | 10.9 | -5.2 | -9.6 | | 36 | 7.8 | -4.6 | -6.3 | 7099 |
| 450 | | 253 | 5.8 | 5.6 | 1.7 | | 304 | 2.0 | 1.6 | -1.1 | | 19 | 6.5 | -2.1 | -6.1 | | 33 | 6.9 | -3.7 | -5.8 | 6662 |
| 475 | | 236 | 4.9 | 4.0 | 2.7 | | 247 | 5.9 | 5.4 | 2.3 | | 281 | 3.5 | 3.5 | -.7 | | 318 | 3.9 | 2.6 | -2.9 | 6244 |
| 500 | | 212 | 5.8 | 3.0 | 5.0 | | 227 | 4.8 | 3.5 | 3.3 | | 219 | 2.5 | 1.6 | 1.9 | | 242 | 2.6 | 2.3 | 1.2 | 5844 |
| 525 | | 242 | 4.6 | 4.1 | 2.1 | | 259 | 4.3 | 4.2 | .8 | | 263 | 1.7 | 1.7 | .2 | | 250 | 1.4 | 1.3 | .5 | 5460 |
| 550 | | 245 | 3.8 | 3.5 | 1.6 | | 257 | 2.5 | 2.5 | .6 | | 292 | 3.0 | 2.8 | -1.1 | | 339 | 2.3 | .8 | -2.1 | 5091 |
| 575 | | 232 | 4.2 | 3.3 | 2.6 | | 214 | 2.8 | 1.5 | 2.3 | | 284 | .5 | .5 | -.1 | | 32 | 2.5 | -1.3 | -2.2 | 4736 |
| 600 | | 265 | 4.4 | 4.4 | .4 | | 230 | 3.1 | 2.4 | 2.0 | | 337 | 1.3 | .5 | -1.2 | | 355 | 4.3 | .3 | -4.3 | 4393 |
| 625 | | 262 | 1.9 | 1.9 | .3 | | 251 | .8 | .7 | .3 | | 30 | 3.7 | -1.9 | -3.2 | | 28 | 5.1 | -2.4 | -4.5 | 4062 |
| 650 | | 69 | 1.1 | -1.1 | -.4 | | 47 | 1.3 | -1.0 | -.9 | | 48 | 6.7 | -5.0 | -4.4 | | 72 | 10.8 | -10.3 | -3.3 | 3742 |
| 675 | | 34 | 2.9 | -1.6 | -2.4 | | 64 | 5.7 | -5.1 | -2.5 | | 68 | 8.8 | -8.2 | -3.3 | | 84 | 12.6 | -12.5 | -1.3 | 3431 |
| 700 | | 71 | 6.0 | -5.7 | -1.9 | | 79 | 11.0 | -10.8 | -2.1 | | 84 | 12.2 | -12.1 | -1.2 | | 90 | 13.0 | -13.0 | -.0 | 3130 |
| 725 | | 88 | 9.6 | -9.6 | -.4 | | 85 | 13.3 | -13.3 | -1.3 | | 89 | 14.4 | -14.4 | -.2 | | 95 | 13.1 | -13.1 | 1.0 | 2837 |
| 750 | | 87 | 11.8 | -11.8 | -.7 | | 86 | 12.6 | -12.5 | -.8 | | 90 | 15.2 | -15.2 | .1 | | 99 | 13.4 | -13.2 | 2.1 | 2553 |
| 775 | | 89 | 12.7 | -12.7 | -.3 | | 92 | 12.0 | -12.0 | .4 | | 92 | 15.5 | -15.4 | .6 | | 99 | 15.4 | -15.2 | 2.4 | 2276 |
| 800 | | 95 | 13.0 | -13.0 | 1.2 | | 97 | 13.1 | -13.0 | 1.6 | | 93 | 14.9 | -14.9 | .7 | | 97 | 16.3 | -16.2 | 2.1 | 2007 |
| 825 | 3 | 95 | 13.5 | -13.5 | 1.1 | | 96 | 13.7 | -13.6 | 1.5 | | 91 | 14.0 | -14.0 | .3 | | 97 | 17.1 | -17.0 | 2.0 | 1745 |
| 850 | 2 | 90 | 13.4 | -13.4 | -.1 | | 92 | 13.5 | -13.4 | .5 | | 92 | 13.5 | -13.5 | .5 | | 96 | 18.2 | -18.1 | 1.8 | 1490 |
| 875 | 2 | 84 | 13.5 | -13.5 | -1.5 | | 87 | 13.7 | -13.7 | -.6 | 3 | 94 | 13.9 | -13.9 | 1.0 | 3 | 93 | 17.0 | -17.0 | .8 | 1242 |
| 900 | 2 | 80 | 14.3 | -14.1 | -2.5 | 2 | 85 | 14.5 | -14.5 | -1.3 | 2 | 92 | 14.5 | -14.5 | .4 | 2 | 91 | 16.0 | -16.0 | .2 | 999 |
| 925 | 2 | 78 | 14.0 | -13.7 | -2.8 | 2 | 82 | 14.0 | -13.9 | -2.0 | 2 | 87 | 14.4 | -14.3 | -.6 | 2 | 90 | 15.6 | -15.6 | -.0 | 762 |
| 950 | 2 | 78 | 12.3 | -12.1 | -2.5 | 2 | 79 | 12.0 | -11.7 | -2.4 | 2 | 85 | 13.4 | -13.4 | -1.1 | 2 | 86 | 13.4 | -13.3 | -1.0 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/13 1745 GMT | | | | 3/14 010 GMT | | | | 3/14 250 GMT | | | | 3/14 610 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 10.7 | 10.7 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 8.4 | 8.3 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 12.0 | 7.9 | -9.0 | | 303 | 12.5 | 10.4 | -6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 334 | 9.3 | 4.0 | -8.4 | | 342 | 7.1 | 2.2 | -6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 329 | 10.6 | 5.5 | -9.1 | | 327 | 9.2 | 5.0 | -7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 351 | 8.6 | 1.3 | -8.5 | | 343 | 7.8 | 2.2 | -7.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 351 | 7.2 | 1.1 | -7.1 | | 8 | 10.7 | -1.5 | -10.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 328 | 10.5 | 5.6 | -8.9 | | 350 | 10.0 | 1.8 | -9.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 12.5 | 7.5 | -10.0 | | 324 | 10.3 | 6.0 | -8.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 315 | 11.8 | 8.4 | -8.3 | | 308 | 9.9 | 7.8 | -6.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 10.3 | 9.2 | -4.6 | | 300 | 10.3 | 9.0 | -5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 11.4 | 10.2 | -5.1 | | 295 | 12.0 | 10.9 | -5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 314 | 14.1 | 10.1 | -9.9 | | 296 | 15.0 | 13.5 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 16.6 | 12.1 | -11.4 | | 310 | 18.5 | 14.1 | -11.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 14.8 | 13.2 | -6.6 | | 298 | 18.6 | 16.3 | -8.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 330 | 10.5 | 5.3 | -9.0 | | 310 | 13.1 | 10.1 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 7 | 12.3 | -1.5 | -12.2 | | 341 | 9.3 | 3.1 | -8.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 10 | 11.3 | -1.9 | -11.1 | | 15 | 12.7 | -3.3 | -12.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 27 | 8.2 | -3.7 | -7.3 | | 21 | 10.3 | -3.7 | -9.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 7 | 5.4 | -.7 | -5.3 | | 35 | 6.8 | -3.9 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 352 | 6.7 | .9 | -6.6 | | 20 | 4.6 | -1.6 | -4.4 | | 51 | 4.3 | -3.3 | -2.7 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 9 | 8.4 | -1.3 | -8.3 | | 1 | 7.0 | -.1 | -7.0 | | 10 | 5.5 | -1.0 | -5.4 | 7557 |
| 425 | 2 | 26 | 8.0 | -3.6 | -7.2 | | 32 | 8.2 | -4.3 | -7.0 | | 27 | 10.4 | -4.7 | -9.3 | | 35 | 8.8 | -5.1 | -7.2 | 7099 |
| 450 | 2 | 44 | 7.2 | -5.0 | -5.1 | | 39 | 4.7 | -3.0 | -3.7 | | 50 | 5.4 | -4.1 | -3.5 | | 60 | 3.7 | -3.2 | -1.9 | 6662 |
| 475 | 2 | 356 | 8.8 | .6 | -8.8 | | 9 | 8.1 | -1.3 | -8.0 | | 17 | 5.2 | -1.5 | -5.0 | | 23 | 6.0 | -2.3 | -5.5 | 6244 |
| 500 | 2 | 337 | 5.9 | 2.3 | -5.5 | | 3 | 8.2 | -.5 | -8.2 | | 14 | 8.9 | -2.2 | -8.6 | | 11 | 7.7 | -1.4 | -7.5 | 5844 |
| 525 | 2 | 320 | 2.0 | 1.3 | -1.5 | | 318 | 3.7 | 2.5 | -2.8 | | 343 | 3.0 | .9 | -2.9 | | 40 | 1.7 | -1.1 | -1.3 | 5460 |
| 550 | 2 | 343 | 5.3 | 1.6 | -5.0 | | 280 | 2.5 | 2.5 | -.4 | | 267 | 2.3 | 2.3 | .1 | | 273 | 3.6 | 3.6 | -.2 | 5091 |
| 575 | 2 | 352 | 4.8 | .7 | -4.8 | | 321 | 2.5 | 1.6 | -1.9 | | 314 | 3.4 | 2.5 | -2.4 | | 2 | 3.2 | -.1 | -3.2 | 4736 |
| 600 | 2 | 54 | 8.3 | -6.7 | -4.8 | | 72 | 9.5 | -9.0 | -2.9 | | 5 | 4.5 | -.4 | -4.5 | | 21 | 5.5 | -2.0 | -5.2 | 4393 |
| 625 | 2 | 71 | 13.1 | -12.3 | -4.3 | | 78 | 14.2 | -13.9 | -2.9 | | 76 | 12.2 | -11.9 | -2.9 | | 65 | 8.5 | -7.7 | -3.6 | 4062 |
| 650 | 2 | 76 | 12.4 | -12.1 | -3.0 | | 77 | 14.4 | -14.1 | -3.1 | | 85 | 13.6 | -13.5 | -1.2 | 2 | 82 | 11.4 | -11.3 | -1.5 | 3742 |
| 675 | 2 | 84 | 11.9 | -11.8 | -1.2 | | 83 | 14.2 | -14.1 | -1.7 | | 74 | 13.2 | -12.7 | -3.7 | 3 | 86 | 13.3 | -13.3 | -.9 | 3431 |
| 700 | 2 | 91 | 11.4 | -11.4 | .3 | | 92 | 13.7 | -13.7 | .5 | | 87 | 12.0 | -12.0 | -.6 | | 96 | 13.4 | -13.3 | 1.5 | 3130 |
| 725 | 2 | 100 | 12.4 | -12.2 | 2.1 | | 98 | 13.6 | -13.5 | 2.0 | | 115 | 12.3 | -11.1 | 5.1 | | 105 | 15.7 | -15.2 | 4.2 | 2837 |
| 750 | 2 | 102 | 13.3 | -13.0 | 2.8 | | 100 | 14.5 | -14.2 | 2.6 | | 97 | 12.6 | -12.5 | 1.5 | | 102 | 17.0 | -16.6 | 3.5 | 2553 |
| 775 | 2 | 103 | 13.4 | -13.1 | 2.9 | | 95 | 13.6 | -13.6 | 1.3 | | 94 | 12.8 | -12.8 | .8 | | 96 | 14.3 | -14.2 | 1.5 | 2276 |
| 800 | 2 | 103 | 12.9 | -12.6 | 3.0 | | 92 | 12.2 | -12.2 | .5 | | 94 | 12.9 | -12.8 | .9 | | 93 | 13.2 | -13.2 | .7 | 2007 |
| 825 | 2 | 102 | 12.2 | -11.9 | 2.6 | | 95 | 12.1 | -12.1 | 1.1 | | 99 | 12.7 | -12.6 | 2.0 | | 95 | 13.8 | -13.7 | 1.3 | 1745 |
| 850 | 2 | 100 | 12.0 | -11.8 | 2.2 | | 101 | 12.6 | -12.4 | 2.4 | | 100 | 12.7 | -12.5 | 2.2 | | 99 | 13.9 | -13.7 | 2.1 | 1490 |
| 875 | 2 | 100 | 12.3 | -12.1 | 2.2 | 3 | 107 | 13.5 | -12.9 | 4.0 | | 98 | 13.3 | -13.1 | 1.9 | 3 | 98 | 13.5 | -13.4 | 1.8 | 1242 |
| 900 | 2 | 101 | 12.5 | -12.3 | 2.3 | 2 | 108 | 14.0 | -13.3 | 4.3 | 3 | 100 | 12.2 | -12.0 | 2.0 | 2 | 95 | 14.1 | -14.0 | 1.3 | 999 |
| 925 | 2 | 100 | 12.1 | -11.9 | 2.1 | 2 | 106 | 13.2 | -12.7 | 3.5 | 2 | 106 | 9.9 | -9.5 | 2.8 | 2 | 99 | 14.6 | -14.4 | 2.3 | 762 |
| 950 | 2 | 98 | 11.4 | -11.3 | 1.5 | 2 | 105 | 11.3 | -10.9 | 3.0 | 2 | 115 | 10.7 | -9.8 | 4.5 | 2 | 109 | 13.3 | -12.6 | 4.2 | 529 |
| 975 | 2 | 98 | 10.8 | -10.7 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/14 1155 GMT | | | | 3/14 15 0 GMT | | | | 3/14 18 0 GMT | | | | 3/14 2130 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 5.8 | 5.6 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 7.4 | 7.4 | -.5 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 6.9 | 6.9 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 5.0 | 4.4 | -2.4 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 12.9 | 12.9 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 301 | 10.0 | 8.6 | -5.2 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 9.1 | 8.4 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 8.7 | 6.0 | -6.3 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 343 | 6.8 | 2.0 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 311 | 9.1 | 6.8 | -6.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 2 | 9.4 | -.4 | -9.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 336 | 6.5 | 2.7 | -6.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 350 | 14.4 | 2.5 | -14.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 338 | 10.7 | 4.0 | -9.9 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 338 | 13.8 | 5.2 | -12.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 330 | 13.2 | 6.6 | -11.5 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 321 | 11.9 | 7.5 | -9.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 13.7 | 8.2 | -10.9 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 301 | 12.5 | 10.7 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 310 | 13.8 | 10.6 | -8.9 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 14.4 | 13.4 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 16.9 | 14.8 | -8.1 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 15.7 | 14.7 | -5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 17.1 | 16.2 | -5.3 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 15.1 | 14.0 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 16.6 | 16.3 | -3.3 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 304 | 13.8 | 11.4 | -7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 17.4 | 15.7 | -7.5 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 17.5 | 10.4 | -14.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 317 | 14.2 | 9.6 | -10.4 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 333 | 13.5 | 6.0 | -12.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 329 | 14.0 | 7.2 | -12.0 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 339 | 9.9 | 3.6 | -9.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 329 | 12.8 | 6.7 | -10.9 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 332 | 5.4 | 2.6 | -4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 315 | 10.0 | 7.1 | -7.1 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 42 | 2.1 | -1.4 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 1.7 | 1.6 | .6 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 3.2 | -3.2 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 223 | 1.5 | 1.0 | 1.1 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 137 | 3.2 | -2.2 | 2.4 | | 159 | 3.1 | -1.1 | 2.9 | | 228 | 2.2 | 1.6 | 1.5 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 1.0 | .7 | -.6 | | 126 | .9 | -.8 | .6 | | 267 | 2.4 | 2.4 | .1 | 7557 |
| 425 | | 31 | 6.4 | -3.3 | -5.5 | | 17 | 6.3 | -1.9 | -6.1 | | 3 | 3.7 | -.2 | -3.7 | | 323 | 3.0 | 1.8 | -2.4 | 7099 |
| 450 | | 23 | 5.7 | -2.2 | -5.2 | | 28 | 6.6 | -3.1 | -5.8 | | 28 | 6.2 | -2.9 | -5.4 | | 21 | 5.3 | -1.9 | -4.9 | 6662 |
| 475 | | 41 | 3.2 | -2.1 | -2.4 | | 21 | 3.6 | -1.3 | -3.4 | | 20 | 4.9 | -1.7 | -4.6 | | 29 | 4.3 | -2.1 | -3.7 | 6244 |
| 500 | | 35 | 9.4 | -5.5 | -7.7 | | 14 | 5.0 | -1.2 | -4.9 | | 2 | 4.6 | -.2 | -4.6 | | 19 | 5.0 | -1.6 | -4.7 | 5844 |
| 525 | | 44 | 7.4 | -5.2 | -5.3 | | 31 | 8.8 | -4.6 | -7.5 | | 15 | 7.6 | -2.0 | -7.3 | | 26 | 6.7 | -2.9 | -6.0 | 5460 |
| 550 | | 2 | 3.7 | -.1 | -3.7 | | 41 | 5.9 | -3.9 | -4.5 | | 33 | 8.2 | -4.5 | -6.9 | | 67 | 13.6 | -12.6 | -5.3 | 5091 |
| 575 | | 341 | 3.2 | 1.0 | -3.0 | | 353 | 4.1 | .5 | -4.1 | | 39 | 6.8 | -4.3 | -5.3 | | 81 | 11.7 | -11.6 | -1.8 | 4736 |
| 600 | | 356 | 7.6 | .5 | -7.5 | | 358 | 7.1 | .3 | -7.1 | | 58 | 9.8 | -8.3 | -5.2 | | 81 | 13.1 | -13.0 | -2.0 | 4393 |
| 625 | | 51 | 9.9 | -7.7 | -6.3 | | 43 | 9.5 | -6.5 | -6.9 | | 70 | 12.3 | -11.5 | -4.3 | 3 | 87 | 12.6 | -12.6 | -.6 | 4062 |
| 650 | | 74 | 13.5 | -12.9 | -3.8 | | 77 | 12.5 | -12.2 | -2.7 | | 84 | 10.7 | -10.6 | -1.2 | 2 | 104 | 11.5 | -11.1 | 2.8 | 3742 |
| 675 | | 85 | 12.3 | -12.3 | -1.0 | | 93 | 12.8 | -12.8 | .6 | | 96 | 9.7 | -9.7 | 1.0 | 2 | 109 | 11.5 | -10.9 | 3.7 | 3431 |
| 700 | | 94 | 12.8 | -12.7 | 1.0 | | 102 | 12.8 | -12.5 | 2.6 | 2 | 104 | 11.0 | -10.7 | 2.6 | 2 | 117 | 12.0 | -10.7 | 5.4 | 3130 |
| 725 | | 104 | 14.6 | -14.2 | 3.6 | | 106 | 14.2 | -13.6 | 4.0 | 2 | 105 | 13.1 | -12.6 | 3.3 | 2 | 107 | 13.3 | -12.7 | 4.0 | 2837 |
| 750 | | 109 | 14.8 | -14.1 | 4.7 | | 108 | 15.3 | -14.6 | 4.7 | 2 | 102 | 12.2 | -11.9 | 2.6 | 2 | 101 | 18.0 | -17.7 | 3.3 | 2553 |
| 775 | | 102 | 15.2 | -14.9 | 3.1 | | 104 | 15.1 | -14.7 | 3.6 | 2 | 96 | 11.0 | -11.0 | 1.1 | 2 | 99 | 14.9 | -14.7 | 2.4 | 2276 |
| 800 | | 97 | 14.8 | -14.7 | 1.8 | | 93 | 14.0 | -14.0 | .7 | 2 | 89 | 11.5 | -11.5 | -.2 | 2 | 93 | 11.5 | -11.5 | .7 | 2007 |
| 825 | 3 | 97 | 13.2 | -13.1 | 1.6 | | 90 | 13.2 | -13.2 | .1 | 2 | 88 | 11.8 | -11.8 | -.4 | 2 | 96 | 10.5 | -10.5 | 1.1 | 1745 |
| 850 | 2 | 98 | 12.0 | -11.9 | 1.7 | | 103 | 12.3 | -12.0 | 2.8 | 2 | 95 | 11.8 | -11.8 | .9 | 2 | 96 | 11.1 | -11.0 | 1.1 | 1490 |
| 875 | 2 | 101 | 12.9 | -12.7 | 2.4 | 3 | 114 | 11.8 | -10.8 | 4.8 | 2 | 106 | 12.3 | -11.9 | 3.3 | 2 | 92 | 10.8 | -10.8 | .3 | 1242 |
| 900 | 2 | 105 | 15.0 | -14.5 | 3.9 | 2 | 113 | 11.9 | -10.9 | 4.7 | 2 | 114 | 13.1 | -12.0 | 5.3 | 2 | 95 | 8.8 | -8.8 | .8 | 999 |
| 925 | 2 | 107 | 15.0 | -14.3 | 4.5 | 2 | 109 | 11.6 | -11.0 | 3.8 | 2 | 119 | 13.3 | -11.6 | 6.5 | 2 | 103 | 9.0 | -8.8 | 2.0 | 762 |
| 950 | 2 | 108 | 11.7 | -11.1 | 3.7 | 2 | 110 | 9.7 | -9.1 | 3.2 | 2 | 122 | 11.9 | -10.2 | 6.2 | 2 | 108 | 9.3 | -8.8 | 2.9 | 529 |
| 975 | 2 | 111 | 8.8 | -8.2 | 3.1 | 2 | 114 | 8.0 | -7.3 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/15 0 8 GMT | | | | 3/15 3 0 GMT | | | | 3/15 556 GMT | | | | 3/15 851 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 7.4 | 7.4 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 19.7 | 19.7 | 1.7 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 301 | 9.3 | 8.0 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 234 | 4.9 | 3.9 | 2.9 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 7.4 | 6.8 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 10.3 | 9.2 | -4.7 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 339 | 12.0 | 4.3 | -11.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 6.1 | 5.6 | -2.4 | 16521 |
| 110 | | 307 | 9.0 | 7.2 | -5.4 | 3 | 311 | 5.6 | 4.2 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 318 | 7.5 | 5.0 | -5.5 | 15978 |
| 120 | | 326 | 7.8 | 4.4 | -6.4 | 3 | 332 | 7.1 | 3.3 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 327 | 8.2 | 4.4 | -6.9 | 15479 |
| 130 | | 328 | 10.2 | 5.4 | -8.7 | | 321 | 8.8 | 5.6 | -6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 11.2 | 6.7 | -8.9 | 15014 |
| 140 | | 316 | 10.9 | 7.6 | -7.8 | | 322 | 13.0 | 8.0 | -10.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 314 | 10.7 | 7.7 | -7.4 | 14578 |
| 150 | | 302 | 12.7 | 10.8 | -6.7 | | 302 | 10.4 | 8.8 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 307 | 9.7 | 7.7 | -5.8 | 14167 |
| 160 | | 299 | 15.5 | 13.5 | -7.6 | | 287 | 13.0 | 12.4 | -3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 9.7 | 8.2 | -5.1 | 13776 |
| 170 | | 297 | 16.8 | 15.0 | -7.6 | | 282 | 14.5 | 14.2 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 10.9 | 9.9 | -4.7 | 13404 |
| 180 | | 293 | 17.2 | 15.8 | -6.6 | | 286 | 13.7 | 13.2 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 311 | 11.7 | 8.9 | -7.6 | 13049 |
| 190 | | 294 | 17.6 | 16.1 | -7.3 | | 313 | 14.2 | 10.4 | -9.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 309 | 11.4 | 8.9 | -7.2 | 12709 |
| 200 | | 301 | 17.8 | 15.2 | -9.2 | | 318 | 16.7 | 11.2 | -12.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 304 | 14.6 | 12.1 | -8.1 | 12383 |
| 225 | | 322 | 12.8 | 8.0 | -10.0 | | 311 | 13.2 | 9.9 | -8.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 15.5 | 13.2 | -8.2 | 11617 |
| 250 | | 316 | 13.3 | 9.3 | -9.6 | 2 | 306 | 12.7 | 10.3 | -7.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 10.8 | 9.5 | -5.1 | 10914 |
| 275 | | 319 | 11.3 | 7.4 | -8.5 | | 314 | 9.6 | 6.9 | -6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 9.0 | 7.8 | -4.5 | 10262 |
| 300 | | 308 | 8.8 | 7.0 | -5.4 | | 298 | 10.1 | 8.9 | -4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 312 | 10.1 | 7.5 | -6.8 | 9654 |
| 325 | | 263 | 4.5 | 4.5 | .5 | | 279 | 5.9 | 5.8 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 325 | 10.4 | 5.9 | -8.6 | 9084 |
| 350 | | 275 | .5 | .5 | -.0 | 3 | 272 | 3.1 | 3.1 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 1.9 | 1.7 | -.9 | 8546 |
| 375 | | 84 | 1.0 | -1.0 | -.1 | 2 | 277 | .4 | .4 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 202 | 3.3 | 1.2 | 3.1 | 8039 |
| 400 | | 246 | .5 | .4 | .2 | 2 | 115 | .4 | -.3 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 241 | 4.2 | 3.7 | 2.0 | 7557 |
| 425 | | 325 | 4.5 | 2.6 | -3.7 | 2 | 304 | 6.8 | 5.6 | -3.8 | | 279 | 2.4 | 2.4 | -.4 | | 248 | 3.0 | 2.8 | 1.1 | 7099 |
| 450 | | 7 | 6.4 | -.8 | -6.3 | 2 | 49 | 8.1 | -6.1 | -5.4 | | 1 | 4.7 | -.1 | -4.6 | | 17 | 4.8 | -1.4 | -4.6 | 6662 |
| 475 | | 9 | 5.1 | -.8 | -5.0 | 2 | 17 | 4.9 | -1.4 | -4.7 | | 27 | 4.3 | -1.9 | -3.8 | | 22 | 5.3 | -2.0 | -4.9 | 6244 |
| 500 | | 23 | 4.4 | -1.7 | -4.1 | 2 | 39 | 6.0 | -3.8 | -4.7 | | 36 | 4.2 | -2.4 | -3.4 | | 96 | 1.7 | -1.7 | .2 | 5844 |
| 525 | | 33 | 8.6 | -4.7 | -7.2 | 2 | 43 | 6.9 | -4.7 | -5.0 | | 46 | 5.7 | -4.1 | -4.0 | | 55 | 5.7 | -4.7 | -3.3 | 5460 |
| 550 | | 64 | 12.2 | -10.9 | -5.4 | 2 | 75 | 10.1 | -9.8 | -2.6 | | 55 | 6.9 | -5.6 | -4.0 | | 71 | 7.0 | -6.7 | -2.2 | 5091 |
| 575 | | 74 | 11.9 | -11.5 | -3.3 | 2 | 80 | 10.7 | -10.6 | -1.9 | | 57 | 7.0 | -5.9 | -3.9 | | 65 | 7.0 | -6.3 | -3.0 | 4736 |
| 600 | | 82 | 11.0 | -10.9 | -1.6 | 2 | 92 | 10.0 | -10.0 | .4 | | 68 | 6.6 | -6.1 | -2.5 | | 59 | 7.8 | -6.7 | -4.0 | 4393 |
| 625 | | 101 | 11.7 | -11.5 | 2.2 | 2 | 109 | 14.1 | -13.4 | 4.5 | | 88 | 10.3 | -10.3 | -.3 | | 89 | 9.5 | -9.5 | -.2 | 4062 |
| 650 | | 108 | 12.0 | -11.4 | 3.8 | 2 | 114 | 12.9 | -11.8 | 5.3 | | 103 | 12.6 | -12.3 | 2.8 | | 104 | 11.7 | -11.3 | 2.8 | 3742 |
| 675 | | 117 | 12.0 | -10.7 | 5.4 | 2 | 122 | 9.4 | -7.9 | 5.0 | | 118 | 12.4 | -11.0 | 5.8 | | 116 | 10.4 | -9.4 | 4.6 | 3431 |
| 700 | | 123 | 12.6 | -10.5 | 7.0 | 2 | 122 | 9.5 | -8.1 | 5.1 | | 122 | 12.8 | -10.8 | 6.7 | | 123 | 11.4 | -9.6 | 6.2 | 3130 |
| 725 | | 113 | 11.3 | -10.4 | 4.4 | 2 | 115 | 8.8 | -8.0 | 3.7 | | 109 | 12.4 | -11.8 | 4.1 | | 117 | 12.4 | -11.1 | 5.6 | 2837 |
| 750 | | 100 | 13.4 | -13.2 | 2.4 | 2 | 108 | 9.3 | -8.8 | 2.9 | | 101 | 11.6 | -11.4 | 2.2 | | 107 | 12.1 | -11.6 | 3.6 | 2553 |
| 775 | | 99 | 13.5 | -13.4 | 2.2 | 2 | 106 | 14.9 | -14.3 | 4.2 | | 98 | 10.5 | -10.4 | 1.4 | | 100 | 10.9 | -10.8 | 1.8 | 2276 |
| 800 | | 100 | 12.7 | -12.5 | 2.2 | 2 | 106 | 10.3 | -9.9 | 2.9 | | 92 | 9.3 | -9.3 | .3 | | 100 | 8.5 | -8.4 | 1.4 | 2007 |
| 825 | | 98 | 11.6 | -11.5 | 1.6 | 2 | 100 | 6.6 | -6.5 | 1.1 | | 86 | 8.3 | -8.3 | -.5 | | 99 | 7.5 | -7.4 | 1.2 | 1745 |
| 850 | 3 | 94 | 9.3 | -9.3 | .7 | 2 | 97 | 9.4 | -9.3 | 1.2 | | 84 | 8.2 | -8.1 | -.8 | | 101 | 7.4 | -7.3 | 1.4 | 1490 |
| 875 | 2 | 92 | 8.8 | -8.8 | .4 | 2 | 92 | 9.6 | -9.6 | .3 | 3 | 91 | 9.3 | -9.3 | .1 | 3 | 102 | 8.0 | -7.8 | 1.6 | 1242 |
| 900 | 2 | 96 | 9.3 | -9.3 | .9 | 2 | 88 | 8.2 | -8.2 | -.2 | 2 | 95 | 10.6 | -10.5 | 1.0 | 2 | 93 | 9.1 | -9.1 | .5 | 999 |
| 925 | 2 | 102 | 8.2 | -8.0 | 1.6 | 2 | 94 | 6.5 | -6.5 | .4 | 2 | 93 | 9.4 | -9.4 | .4 | 2 | 85 | 8.5 | -8.5 | -.8 | 762 |
| 950 | 2 | 103 | 6.4 | -6.2 | 1.5 | 2 | 103 | 5.6 | -5.5 | 1.3 | 2 | 86 | 7.1 | -7.1 | -.5 | 2 | 83 | 6.8 | -6.8 | -.8 | 529 |
| 975 | 2 | 109 | 5.7 | -5.4 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/15 1121 GMT | | | | 3/15 1750 GMT | | | | | 3/16 0 0 GMT | | | | 3/16 550 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 264 | 20.4 | 20.3 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 16.3 | 15.2 | 5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 262 | 21.8 | 21.5 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 16.0 | 15.7 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 231 | 10.3 | 8.1 | 6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 246 | 9.0 | 8.2 | 3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 282 | 13.3 | 13.0 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 4.9 | 4.4 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | | 330 | 9.6 | 4.9 | -8.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 332 | 11.6 | 5.4 | -10.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | | 317 | 10.8 | 7.3 | -7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 325 | 12.7 | 7.2 | -10.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | | 332 | 10.0 | 4.7 | -8.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 317 | 11.2 | 7.6 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | | 330 | 12.7 | 6.4 | -11.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 321 | 10.1 | 6.4 | -7.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 313 | 11.0 | 8.1 | -7.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 303 | 7.1 | 6.0 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 295 | 9.6 | 8.7 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 303 | 6.1 | 5.1 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 291 | 9.2 | 8.6 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 10.0 | 9.2 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 296 | 9.6 | 8.6 | -4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 9.8 | 9.4 | -2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 305 | 11.3 | 9.2 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 9.2 | 8.3 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 301 | 13.9 | 11.9 | -7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 13.2 | 11.2 | -7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 298 | 15.9 | 14.0 | -7.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 16.4 | 13.9 | -8.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 288 | 19.1 | 18.1 | -6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 18.4 | 16.3 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 296 | 13.8 | 12.4 | -6.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 14.4 | 13.1 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | | 296 | 10.3 | 9.2 | -4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 16.0 | 15.5 | -3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | | 301 | 11.4 | 9.8 | -5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 308 | 11.6 | 9.1 | -7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | | 318 | 8.9 | 6.0 | -6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 9.3 | 8.7 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | | 267 | 4.2 | 4.2 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 7.1 | 7.0 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | | 232 | 3.6 | 2.8 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 6.5 | 6.3 | 1.2 | | 277 | 7.0 | 6.9 | -.9 | 8039 |
| 400 | | 265 | 6.3 | 6.3 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 244 | 9.6 | 8.7 | 4.2 | | 244 | 10.6 | 9.5 | 4.7 | 7557 |
| 425 | | 256 | 5.5 | 5.3 | 1.3 | | 271 | 5.6 | 5.6 | -.1 | | 265 | 6.3 | 6.3 | .5 | | 251 | 10.7 | 10.2 | 3.4 | 7099 |
| 450 | | 3 | 2.2 | -.1 | -2.2 | | 282 | 3.9 | 3.8 | -.8 | | 317 | 3.0 | 2.1 | -2.2 | | 263 | 5.0 | 5.0 | .6 | 6662 |
| 475 | | 29 | 3.2 | -1.6 | -2.8 | | 102 | 1.4 | -1.3 | .3 | | 296 | 2.4 | 2.2 | -1.1 | | 161 | .2 | -.1 | .2 | 6244 |
| 500 | | 36 | 3.6 | -2.1 | -2.9 | | 101 | 7.0 | -6.9 | 1.4 | | 127 | .3 | -.2 | .2 | | 249 | .7 | .6 | .2 | 5844 |
| 525 | | 61 | 4.9 | -4.3 | -2.4 | | 101 | 6.5 | -6.4 | 1.2 | | 78 | 3.1 | -3.0 | -.7 | | 65 | .7 | -.6 | -.3 | 5460 |
| 550 | | 89 | 7.0 | -7.0 | -.1 | 3 | 241 | .4 | .4 | .2 | | 88 | 3.7 | -3.7 | -.1 | | 111 | 3.0 | -2.8 | 1.1 | 5091 |
| 575 | | 83 | 6.1 | -6.0 | -.7 | 0 | 113 | 4.7 | -4.3 | 1.9 | | 62 | 2.2 | -2.0 | -1.0 | | 146 | 2.3 | -1.3 | 1.9 | 4736 |
| 600 | | 68 | 6.5 | -6.0 | -2.4 | 0 | 110 | 10.2 | -9.6 | 3.5 | | 52 | 4.3 | -3.4 | -2.7 | | 53 | 2.8 | -2.2 | -1.7 | 4393 |
| 625 | | 91 | 8.9 | -8.9 | .1 | 0 | 108 | 13.8 | -13.1 | 4.3 | | 82 | 7.3 | -7.2 | -1.1 | | 68 | 5.4 | -5.0 | -2.0 | 4062 |
| 650 | | 94 | 11.3 | -11.3 | .8 | 0 | 106 | 13.6 | -13.1 | 3.8 | | 106 | 7.8 | -7.5 | 2.1 | | 102 | 6.5 | -6.4 | 1.4 | 3742 |
| 675 | | 133 | 11.9 | -8.7 | 8.1 | 0 | 103 | 10.7 | -10.4 | 2.5 | | 121 | 8.8 | -7.5 | 4.6 | | 123 | 8.1 | -6.8 | 4.4 | 3431 |
| 700 | | 130 | 12.2 | -9.4 | 7.8 | 0 | 100 | 8.8 | -8.7 | 1.6 | | 131 | 9.9 | -7.5 | 6.5 | | 128 | 9.6 | -7.6 | 5.9 | 3130 |
| 725 | | 113 | 11.0 | -10.2 | 4.2 | 2 | 97 | 7.6 | -7.5 | 1.0 | | 125 | 9.8 | -8.1 | 5.6 | 2 | 112 | 9.7 | -9.0 | 3.7 | 2837 |
| 750 | | 104 | 10.2 | -9.9 | 2.5 | | 95 | 7.0 | -6.9 | .7 | | 108 | 9.2 | -8.7 | 2.8 | 2 | 90 | 8.7 | -8.7 | .0 | 2553 |
| 775 | | 92 | 11.5 | -11.5 | .4 | | 95 | 7.1 | -7.1 | .6 | | 96 | 8.0 | -8.0 | .8 | 2 | 78 | 7.8 | -7.6 | -1.6 | 2276 |
| 800 | | 88 | 11.0 | -11.0 | -.4 | 3 | 98 | 6.9 | -6.8 | .9 | | 97 | 7.8 | -7.7 | .9 | 2 | 72 | 7.8 | -7.5 | -2.4 | 2007 |
| 825 | | 93 | 9.0 | -9.0 | .5 | 2 | 100 | 6.7 | -6.6 | 1.2 | | 101 | 8.2 | -8.0 | 1.6 | 2 | 72 | 8.4 | -7.9 | -2.6 | 1745 |
| 850 | | 98 | 7.1 | -7.0 | 1.0 | 2 | 97 | 6.7 | -6.7 | .8 | | 99 | 7.9 | -7.8 | 1.2 | 2 | 75 | 8.7 | -8.4 | -2.2 | 1490 |
| 875 | 3 | 93 | 5.8 | -5.8 | .3 | 2 | 94 | 7.1 | -7.1 | .4 | 3 | 91 | 7.5 | -7.5 | .2 | 2 | 74 | 9.5 | -9.1 | -2.6 | 1242 |
| 900 | 2 | 88 | 6.4 | -6.4 | -.2 | 2 | 94 | 7.9 | -7.9 | .5 | 2 | 88 | 7.4 | -7.4 | -.2 | 2 | 74 | 10.2 | -9.8 | -2.8 | 999 |
| 925 | 2 | 89 | 7.5 | -7.5 | -.1 | 2 | 94 | 8.2 | -8.2 | .5 | 2 | 87 | 6.9 | -6.9 | -.4 | 2 | 78 | 9.5 | -9.2 | -2.0 | 762 |
| 950 | 2 | 89 | 6.7 | -6.7 | -.1 | 2 | 91 | 7.2 | -7.2 | .1 | 2 | 82 | 6.1 | -6.0 | -.8 | 2 | 80 | 8.3 | -8.1 | -1.4 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/16 1240 GMT | | | | 3/16 1510 GMT | | | | 3/16 1755 GMT | | | | 3/16 2045 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 267 | 20.4 | 20.3 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 277 | 19.1 | 19.0 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 21.1 | 20.4 | -5.6 | 18589 |
| 80 | | 263 | 5.6 | 5.6 | .7 | | 199 | 5.4 | 1.8 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 211 | 5.4 | 2.7 | 4.6 | 17801 |
| 90 | | 247 | 8.1 | 7.4 | 3.2 | | 266 | 8.4 | 8.4 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 7.1 | 6.8 | 1.8 | 17121 |
| 100 | | 317 | 3.5 | 2.3 | -2.6 | | 317 | 4.8 | 3.3 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 3.1 | 3.1 | -.5 | 16521 |
| 110 | | 337 | 8.8 | 3.5 | -8.1 | | 333 | 5.5 | 2.5 | -4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 0 | 6.3 | -.0 | -6.3 | 15978 |
| 120 | | 323 | 8.8 | 5.2 | -7.0 | | 330 | 6.3 | 3.1 | -5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 344 | 6.1 | 1.7 | -5.8 | 15479 |
| 130 | | 332 | 8.5 | 3.9 | -7.5 | | 345 | 7.3 | 1.9 | -7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 4 | 6.1 | -.4 | -6.1 | 15014 |
| 140 | | 334 | 6.4 | 2.8 | -5.7 | | 351 | 7.1 | 1.1 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 6 | 10.0 | -1.1 | -10.0 | 14578 |
| 150 | | 345 | 8.6 | 2.2 | -8.3 | | 1 | 9.5 | -.1 | -9.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 358 | 10.7 | .3 | -10.7 | 14167 |
| 160 | | 342 | 9.4 | 3.0 | -8.9 | | 3 | 9.0 | -.5 | -9.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 356 | 10.0 | .7 | -9.9 | 13776 |
| 170 | | 330 | 10.4 | 5.3 | -9.0 | | 355 | 7.6 | .7 | -7.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 347 | 8.6 | 1.9 | -8.4 | 13404 |
| 180 | | 321 | 10.3 | 6.5 | -8.0 | | 332 | 9.4 | 4.5 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 344 | 8.3 | 2.3 | -7.9 | 13049 |
| 190 | | 317 | 9.0 | 6.2 | -6.6 | | 315 | 9.5 | 6.7 | -6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 334 | 8.5 | 3.7 | -7.6 | 12709 |
| 200 | | 299 | 9.7 | 8.5 | -4.7 | | 305 | 9.0 | 7.4 | -5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 312 | 7.3 | 5.4 | -4.9 | 12383 |
| 225 | | 287 | 12.4 | 11.9 | -3.6 | | 291 | 9.8 | 9.2 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 327 | 6.4 | 3.4 | -5.3 | 11617 |
| 250 | | 290 | 12.9 | 12.1 | -4.5 | | 293 | 10.0 | 9.2 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 6.9 | 6.9 | .2 | 10914 |
| 275 | | 290 | 11.4 | 10.7 | -3.9 | 3 | 278 | 10.0 | 9.9 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 16.2 | 16.2 | -.8 | 10262 |
| 300 | | 276 | 11.1 | 11.1 | -1.1 | | 269 | 12.1 | 12.1 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 17.8 | 17.8 | -.7 | 9654 |
| 325 | | 255 | 11.5 | 11.1 | 3.0 | | 258 | 12.2 | 11.9 | 2.6 | | 256 | 10.2 | 9.9 | 2.5 | | 271 | 10.3 | 10.3 | -.1 | 9084 |
| 350 | | 274 | 7.2 | 7.2 | -.4 | | 265 | 7.6 | 7.6 | .7 | | 262 | 10.8 | 10.7 | 1.5 | | 244 | 11.5 | 10.3 | 5.1 | 8546 |
| 375 | | 260 | 9.1 | 8.9 | 1.6 | | 266 | 7.1 | 7.1 | .5 | | 253 | 5.2 | 5.0 | 1.5 | | 258 | 6.6 | 6.5 | 1.4 | 8039 |
| 400 | | 246 | 9.9 | 9.1 | 3.9 | | 247 | 10.1 | 9.4 | 3.9 | | 255 | 8.7 | 8.4 | 2.2 | | 251 | 9.9 | 9.3 | 3.2 | 7557 |
| 425 | | 245 | 12.0 | 10.8 | 5.1 | | 246 | 12.7 | 11.6 | 5.2 | | 248 | 10.7 | 9.9 | 4.0 | | 245 | 10.4 | 9.5 | 4.3 | 7099 |
| 450 | | 262 | 8.3 | 8.2 | 1.1 | | 258 | 7.2 | 7.1 | 1.5 | | 262 | 8.7 | 8.6 | 1.2 | | 263 | 8.1 | 8.1 | .9 | 6662 |
| 475 | | 303 | 1.3 | 1.1 | -.7 | | 353 | 1.1 | .1 | -1.1 | | 270 | 3.1 | 3.1 | -.0 | | 278 | 2.6 | 2.5 | -.4 | 6244 |
| 500 | | 229 | 1.3 | 1.0 | .9 | | 53 | .2 | -.2 | -.1 | | 252 | 1.2 | 1.1 | .4 | | 281 | .9 | .8 | -.2 | 5844 |
| 525 | | 9 | .7 | -.1 | -.7 | | 239 | .5 | .5 | .3 | | 96 | .6 | -.6 | .1 | | 76 | .5 | -.4 | -.1 | 5460 |
| 550 | | 94 | 1.9 | -1.9 | .1 | | 60 | 1.9 | -1.7 | -1.0 | | 64 | 1.1 | -1.0 | -.5 | | 20 | 1.3 | -.4 | -1.2 | 5091 |
| 575 | | 344 | 1.8 | .5 | -1.7 | | 82 | 2.4 | -2.4 | -.3 | | 52 | 1.9 | -1.5 | -1.2 | | 66 | 2.3 | -2.1 | -.9 | 4736 |
| 600 | | 74 | 3.5 | -3.3 | -1.0 | | 120 | 3.7 | -3.2 | 1.8 | | 99 | 4.4 | -4.3 | .7 | | 107 | 6.4 | -6.1 | 1.9 | 4393 |
| 625 | | 128 | 6.4 | -5.1 | 3.9 | | 130 | 7.7 | -5.9 | 5.0 | | 126 | 6.3 | -5.1 | 3.7 | | 136 | 6.6 | -4.6 | 4.8 | 4062 |
| 650 | | 137 | 6.4 | -4.3 | 4.6 | | 120 | 7.1 | -6.2 | 3.5 | | 128 | 6.7 | -5.3 | 4.1 | | 153 | 5.7 | -2.5 | 5.1 | 3742 |
| 675 | | 121 | 5.9 | -5.0 | 3.1 | | 119 | 6.6 | -5.7 | 3.2 | | 122 | 7.2 | -6.1 | 3.8 | | 154 | 5.1 | -2.3 | 4.6 | 3431 |
| 700 | | 122 | 7.9 | -6.7 | 4.2 | | 129 | 7.4 | -5.8 | 4.6 | | 120 | 8.9 | -7.7 | 4.4 | | 114 | 10.7 | -9.8 | 4.4 | 3130 |
| 725 | | 104 | 8.7 | -8.4 | 2.2 | | 110 | 8.2 | -7.7 | 2.8 | | 101 | 9.6 | -9.4 | 1.8 | | 97 | 10.9 | -10.8 | 1.3 | 2837 |
| 750 | | 86 | 8.9 | -8.9 | -.7 | | 91 | 8.0 | -8.0 | .1 | | 84 | 9.8 | -9.8 | -1.0 | | 86 | 9.7 | -9.7 | -.6 | 2553 |
| 775 | 3 | 81 | 8.9 | -8.8 | -1.4 | | 81 | 9.0 | -8.9 | -1.4 | | 81 | 10.0 | -9.9 | -1.6 | | 86 | 9.4 | -9.4 | -.7 | 2276 |
| 800 | 2 | 74 | 8.7 | -8.4 | -2.3 | | 78 | 11.2 | -11.0 | -2.3 | | 79 | 10.5 | -10.3 | -1.9 | | 79 | 9.9 | -9.8 | -1.9 | 2007 |
| 825 | 2 | 73 | 9.1 | -8.7 | -2.7 | 3 | 75 | 11.2 | -10.8 | -2.9 | | 75 | 11.0 | -10.6 | -2.8 | | 77 | 11.5 | -11.2 | -2.6 | 1745 |
| 850 | 2 | 76 | 10.0 | -9.7 | -2.5 | 2 | 74 | 11.0 | -10.6 | -3.1 | | 72 | 11.1 | -10.6 | -3.3 | | 78 | 11.4 | -11.2 | -2.4 | 1490 |
| 875 | 2 | 76 | 10.6 | -10.3 | -2.5 | 2 | 70 | 11.1 | -10.4 | -3.8 | 3 | 73 | 10.9 | -10.4 | -3.1 | | 77 | 9.8 | -9.5 | -2.2 | 1242 |
| 900 | 2 | 78 | 11.1 | -10.8 | -2.3 | 2 | 64 | 10.9 | -9.7 | -4.8 | 2 | 78 | 10.5 | -10.3 | -2.1 | 3 | 80 | 9.2 | -9.0 | -1.6 | 999 |
| 925 | 2 | 79 | 10.7 | -10.5 | -2.1 | 2 | 68 | 9.4 | -8.8 | -3.5 | 2 | 84 | 9.7 | -9.7 | -1.1 | 2 | 86 | 8.9 | -8.9 | -.6 | 762 |
| 950 | 2 | 78 | 8.8 | -8.6 | -1.9 | 2 | 84 | 7.2 | -7.2 | -.8 | 2 | 85 | 8.0 | -8.0 | -.7 | 2 | 90 | 8.2 | -8.2 | -.0 | 529 |
| 975 | 3 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 84 | 6.6 | -6.6 | -.7 | 2 | 90 | 7.8 | -7.8 | -.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/16 2345 GMT | | | | 3/17 240 GMT | | | | 3/17 534 GMT | | | | 3/17 825 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 261 | 14.0 | 13.8 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 280 | 20.6 | 20.3 | -3.7 | | 283 | 20.7 | 20.1 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 15.1 | 14.9 | 2.5 | 18589 |
| 80 | | 272 | 10.0 | 10.0 | -.3 | | 235 | 4.8 | 4.0 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 10.2 | 10.2 | .0 | 17801 |
| 90 | | 238 | 6.4 | 5.4 | 3.4 | | 247 | 10.2 | 9.4 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 7.2 | 7.1 | -.6 | 17121 |
| 100 | | 285 | 2.9 | 2.8 | -.7 | | 244 | 5.2 | 4.7 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 9.2 | 8.8 | 2.6 | 16521 |
| 110 | | 3 | 4.6 | -.2 | -4.6 | | 316 | 2.7 | 1.9 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 4.1 | 4.0 | .9 | 15978 |
| 120 | | 355 | 4.8 | .4 | -4.8 | | 41 | 2.8 | -1.9 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 328 | 4.3 | 2.3 | -3.6 | 15479 |
| 130 | | 3 | 5.6 | -.3 | -5.6 | | 34 | 4.7 | -2.6 | -3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 335 | 1.7 | .7 | -1.6 | 15014 |
| 140 | | 18 | 7.6 | -2.3 | -7.2 | | 10 | 7.5 | -1.4 | -7.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 37 | 1.4 | -.8 | -1.1 | 14578 |
| 150 | | 14 | 8.5 | -2.0 | -8.3 | | 6 | 7.2 | -.8 | -7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 36 | 3.0 | -1.8 | -2.5 | 14167 |
| 160 | | 354 | 8.7 | .9 | -8.6 | | 343 | 6.1 | 1.8 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 5 | 3.3 | -.3 | -3.3 | 13776 |
| 170 | | 344 | 8.6 | 2.4 | -8.3 | | 348 | 6.0 | 1.2 | -5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 333 | 3.5 | 1.6 | -3.1 | 13404 |
| 180 | | 338 | 7.5 | 2.8 | -7.0 | | 1 | 6.3 | -.1 | -6.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 312 | 2.7 | 2.0 | -1.8 | 13049 |
| 190 | | 332 | 7.4 | 3.5 | -6.5 | | 352 | 6.3 | .8 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 330 | 3.7 | 1.8 | -3.2 | 12709 |
| 200 | | 328 | 8.0 | 4.3 | -6.7 | | 348 | 7.2 | 1.5 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 341 | 5.5 | 1.8 | -5.2 | 12383 |
| 225 | | 312 | 6.8 | 5.0 | -4.5 | | 283 | 3.7 | 3.6 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 331 | 3.8 | 1.8 | -3.3 | 11617 |
| 250 | | 280 | 7.5 | 7.4 | -1.4 | | 294 | 8.5 | 7.7 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 3.1 | 3.0 | -.7 | 10914 |
| 275 | | 273 | 15.7 | 15.7 | -.9 | | 267 | 12.1 | 12.1 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 11.7 | 10.8 | 4.5 | 10262 |
| 300 | | 283 | 17.4 | 16.9 | -4.0 | | 282 | 17.0 | 16.6 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 14.7 | 14.5 | 2.2 | 9654 |
| 325 | | 272 | 11.0 | 11.0 | -.3 | | 278 | 11.9 | 11.7 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 12.5 | 12.5 | .8 | 9084 |
| 350 | | 239 | 11.1 | 9.6 | 5.7 | | 240 | 9.4 | 8.2 | 4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 247 | 8.8 | 8.1 | 3.4 | 8546 |
| 375 | | 270 | 9.0 | 9.0 | -.1 | | 249 | 8.6 | 8.0 | 3.1 | | 240 | 7.5 | 6.5 | 3.7 | | 235 | 8.1 | 6.6 | 4.7 | 8039 |
| 400 | | 239 | 9.4 | 8.0 | 4.8 | | 244 | 11.0 | 9.9 | 4.8 | | 255 | 9.0 | 8.7 | 2.3 | | 256 | 9.1 | 8.8 | 2.2 | 7557 |
| 425 | | 251 | 8.1 | 7.7 | 2.6 | | 249 | 9.7 | 9.0 | 3.5 | | 264 | 8.8 | 8.7 | .9 | | 258 | 8.5 | 8.3 | 1.8 | 7099 |
| 450 | | 249 | 9.2 | 8.5 | 3.3 | | 257 | 7.6 | 7.4 | 1.7 | | 251 | 8.4 | 7.9 | 2.7 | | 258 | 7.0 | 6.8 | 1.4 | 6662 |
| 475 | | 274 | 4.1 | 4.1 | -.3 | | 267 | 4.0 | 4.0 | .2 | | 275 | 3.3 | 3.3 | -.3 | | 271 | 3.5 | 3.5 | -.1 | 6244 |
| 500 | | 245 | 1.4 | 1.2 | .6 | | 252 | 3.7 | 3.5 | 1.1 | | 240 | 2.5 | 2.2 | 1.3 | | 249 | 3.5 | 3.3 | 1.2 | 5844 |
| 525 | | 269 | .6 | .6 | .0 | | 302 | 1.8 | 1.5 | -.9 | | 273 | 1.2 | 1.2 | -.1 | | 252 | 2.6 | 2.5 | .8 | 5460 |
| 550 | | 13 | 1.2 | -.3 | -1.2 | | 354 | .4 | .0 | -.4 | | 69 | 1.5 | -1.4 | -.6 | | 172 | .5 | -.1 | .5 | 5091 |
| 575 | | 68 | 2.7 | -2.5 | -1.0 | | 107 | 2.2 | -2.1 | .6 | | 100 | 3.8 | -3.7 | .6 | | 100 | 3.2 | -3.1 | .5 | 4736 |
| 600 | | 109 | 3.6 | -3.4 | 1.2 | | 144 | 4.5 | -2.7 | 3.6 | | 95 | 4.1 | -4.1 | .4 | | 95 | 5.3 | -5.3 | .5 | 4393 |
| 625 | | 157 | 5.6 | -2.2 | 5.2 | | 160 | 6.2 | -2.1 | 5.8 | | 151 | 4.9 | -2.4 | 4.3 | | 120 | 5.4 | -4.6 | 2.7 | 4062 |
| 650 | | 158 | 6.1 | -2.2 | 5.6 | | 171 | 6.6 | -1.1 | 6.5 | | 174 | 5.6 | -.6 | 5.6 | | 148 | 6.3 | -3.3 | 5.4 | 3742 |
| 675 | 3 | 141 | 8.4 | -5.3 | 6.5 | | 153 | 6.4 | -2.9 | 5.7 | | 149 | 5.4 | -2.8 | 4.6 | | 135 | 6.1 | -4.3 | 4.3 | 3431 |
| 700 | 2 | 127 | 7.5 | -6.0 | 4.5 | | 108 | 8.9 | -8.4 | 2.8 | | 123 | 7.8 | -6.5 | 4.2 | | 110 | 6.9 | -6.5 | 2.4 | 3130 |
| 725 | 2 | 97 | 7.0 | -7.0 | .9 | | 94 | 10.9 | -10.8 | .8 | | 102 | 9.2 | -8.9 | 2.0 | | 95 | 8.5 | -8.5 | .8 | 2837 |
| 750 | 2 | 93 | 10.0 | -10.0 | .5 | | 89 | 10.5 | -10.5 | -.2 | | 91 | 10.2 | -10.2 | .2 | | 82 | 10.1 | -10.0 | -1.4 | 2553 |
| 775 | 2 | 89 | 10.5 | -10.5 | -.2 | 3 | 85 | 10.3 | -10.3 | -.9 | | 93 | 10.7 | -10.7 | .5 | | 78 | 11.7 | -11.4 | -2.5 | 2276 |
| 800 | 2 | 80 | 9.9 | -9.7 | -1.7 | 2 | 85 | 10.2 | -10.2 | -.8 | | 89 | 11.6 | -11.6 | -.2 | | 81 | 12.7 | -12.5 | -1.9 | 2007 |
| 825 | 2 | 79 | 9.0 | -8.8 | -1.6 | 2 | 87 | 11.1 | -11.1 | -.5 | | 83 | 13.4 | -13.3 | -1.7 | | 84 | 13.2 | -13.1 | -1.4 | 1745 |
| 850 | 2 | 84 | 7.5 | -7.4 | -.8 | 2 | 84 | 12.2 | -12.1 | -1.2 | | 78 | 13.9 | -13.6 | -2.9 | | 85 | 13.4 | -13.3 | -1.2 | 1490 |
| 875 | 2 | 87 | 6.4 | -6.4 | -.3 | 2 | 85 | 11.8 | -11.8 | -1.0 | 3 | 83 | 12.2 | -12.1 | -1.5 | 3 | 86 | 13.2 | -13.2 | -1.0 | 1242 |
| 900 | 2 | 88 | 6.3 | -6.3 | -.2 | 2 | 89 | 10.4 | -10.4 | -.2 | 2 | 96 | 11.2 | -11.2 | 1.1 | 2 | 87 | 12.5 | -12.5 | -.7 | 999 |
| 925 | 2 | 90 | 6.5 | -6.5 | -.1 | 2 | 87 | 9.3 | -9.3 | -.4 | 2 | 97 | 10.7 | -10.6 | 1.3 | 2 | 88 | 11.3 | -11.3 | -.4 | 762 |
| 950 | 2 | 91 | 6.0 | -6.0 | .1 | 2 | 91 | 8.1 | -8.1 | .1 | 2 | 92 | 8.9 | -8.9 | .3 | 2 | 89 | 9.7 | -9.7 | -.2 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/17 1119 GMT | | | | 3/17 1745 GMT | | | | 3/17 2345 GMT | | | | 3/18 728 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 273 | 12.7 | 12.7 | -.7 | 0 0 | 0.0 | 0.0 | 0.0 | 2 281 | 12.2 | 12.0 | -2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 258 | 15.0 | 14.7 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 284 | 13.0 | 12.6 | -3.2 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 273 | 10.8 | 10.8 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 2 309 | 10.8 | 8.4 | -6.8 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 266 | 9.6 | 9.5 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 2 245 | 5.9 | 5.4 | 2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 251 | 12.6 | 11.9 | 4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 265 | 6.8 | 6.8 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 261 | 6.1 | 6.0 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 275 | 5.2 | 5.2 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 328 | 6.6 | 3.5 | -5.6 | 0 0 | 0.0 | 0.0 | 0.0 | 2 293 | 5.8 | 5.3 | -2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 320 | 5.6 | 3.6 | -4.3 | 0 0 | 0.0 | 0.0 | 0.0 | 2 303 | 4.6 | 3.9 | -2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 331 | 2.7 | 1.3 | -2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 2 296 | 8.2 | 7.4 | -3.6 | 0 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 359 | 2.1 | .0 | -2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 2 307 | 9.7 | 7.8 | -5.8 | 0 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 2 | 3.4 | -.1 | -3.4 | 0 0 | 0.0 | 0.0 | 0.0 | 2 311 | 9.3 | 7.1 | -6.0 | 0 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 327 | 3.6 | 2.0 | -3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 310 | 9.4 | 7.2 | -6.1 | 0 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 302 | 3.4 | 2.9 | -1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 2 312 | 9.9 | 7.3 | -6.6 | 0 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 308 | 3.6 | 2.8 | -2.2 | 0 0 | 0.0 | 0.0 | 0.0 | 2 308 | 10.6 | 8.4 | -6.6 | 0 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 328 | 4.5 | 2.4 | -3.8 | 0 0 | 0.0 | 0.0 | 0.0 | 2 305 | 11.9 | 9.8 | -6.8 | 0 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 315 | 3.7 | 2.6 | -2.6 | 0 0 | 0.0 | 0.0 | 0.0 | 2 314 | 11.3 | 8.1 | -7.9 | 0 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 247 | 3.8 | 3.5 | 1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 2 317 | 5.5 | 3.8 | -4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 244 | 13.6 | 12.3 | 6.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 323 | 7.0 | 4.2 | -5.6 | 0 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 262 | 13.8 | 13.7 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 2 239 | 7.1 | 6.1 | 3.7 | 0 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 263 | 14.1 | 14.0 | 1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 2 243 | 11.5 | 10.2 | 5.3 | 0 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 253 | 10.7 | 10.2 | 3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 2 255 | 12.1 | 11.6 | 3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 237 | 8.7 | 7.4 | 4.7 | 0 0 | 0.0 | 0.0 | 0.0 | 2 240 | 10.6 | 9.2 | 5.2 | 2 252 | 7.2 | 6.8 | 2.2 | 8039 |
| 400 | 261 | 10.1 | 10.0 | 1.5 | 260 | 11.3 | 11.2 | 2.0 | 2 245 | 9.4 | 8.5 | 3.9 | 2 249 | 7.5 | 7.0 | 2.7 | 7557 |
| 425 | 255 | 8.5 | 8.2 | 2.3 | 271 | 6.8 | 6.8 | -.1 | 2 252 | 7.3 | 6.9 | 2.3 | 2 268 | 8.5 | 8.5 | .4 | 7099 |
| 450 | 258 | 7.3 | 7.1 | 1.6 | 273 | 6.1 | 6.1 | -.3 | 2 268 | 6.5 | 6.5 | .2 | 2 291 | 6.9 | 6.4 | -2.5 | 6662 |
| 475 | 271 | 6.0 | 6.0 | -.1 | 284 | 1.6 | 1.6 | -.4 | 2 283 | 1.8 | 1.7 | -.4 | 2 318 | 6.5 | 4.4 | -4.8 | 6244 |
| 500 | 256 | 3.2 | 3.1 | .8 | 10 | .9 | -.2 | -.8 | 2 13 | 1.9 | -.4 | -1.8 | 2 26 | 5.8 | -2.5 | -5.2 | 5844 |
| 525 | 262 | 3.3 | 3.2 | .5 | 278 | 4.8 | 4.7 | -.6 | 2 353 | 3.8 | .5 | -3.7 | 2 43 | 6.9 | -4.7 | -5.1 | 5460 |
| 550 | 287 | .6 | .6 | -.2 | 98 | 1.7 | -1.6 | .2 | 2 35 | 3.8 | -2.2 | -3.2 | 2 46 | 5.6 | -4.0 | -3.9 | 5091 |
| 575 | 72 | 2.5 | -2.3 | -.8 | 109 | 4.7 | -4.4 | 1.5 | 2 86 | 6.0 | -6.0 | -.4 | 2 73 | 6.7 | -6.4 | -2.0 | 4736 |
| 600 | 81 | 4.5 | -4.4 | -.7 | 103 | 5.5 | -5.3 | 1.2 | 2 85 | 6.9 | -6.9 | -.6 | 2 86 | 9.6 | -9.6 | -.7 | 4393 |
| 625 | 112 | 4.3 | -4.0 | 1.6 | 106 | 5.5 | -5.3 | 1.5 | 2 81 | 6.1 | -6.0 | -1.0 | 2 80 | 10.1 | -10.0 | -1.8 | 4062 |
| 650 | 125 | 4.7 | -3.8 | 2.6 | 107 | 8.8 | -8.4 | 2.6 | 2 86 | 4.4 | -4.4 | -.3 | 2 81 | 7.5 | -7.4 | -1.1 | 3742 |
| 675 | 108 | 4.7 | -4.5 | 1.5 | 2 96 | 13.3 | -13.2 | 1.5 | 2 90 | 5.0 | -5.0 | -.0 | 2 83 | 7.0 | -6.9 | -.8 | 3431 |
| 700 | 96 | 7.5 | -7.4 | .7 | 2 91 | 13.1 | -13.1 | .1 | 2 82 | 6.5 | -6.5 | -.9 | 2 58 | 10.0 | -8.4 | -5.4 | 3130 |
| 725 | 87 | 10.9 | -10.9 | -.7 | 2 85 | 12.1 | -12.1 | -1.2 | 2 79 | 9.0 | -8.8 | -1.8 | 2 71 | 11.2 | -10.6 | -3.7 | 2837 |
| 750 | 80 | 12.1 | -11.9 | -2.2 | 2 85 | 12.0 | -12.0 | -1.0 | 3 78 | 13.5 | -13.2 | -2.7 | 2 78 | 14.2 | -13.9 | -3.1 | 2553 |
| 775 | 81 | 12.5 | -12.4 | -2.0 | 2 89 | 12.9 | -12.9 | -.3 | 78 | 16.3 | -15.9 | -3.4 | 2 76 | 16.1 | -15.7 | -3.8 | 2276 |
| 800 | 83 | 12.6 | -12.5 | -1.5 | 2 86 | 11.9 | -11.9 | -.7 | 81 | 17.1 | -16.9 | -2.8 | 2 83 | 16.5 | -16.3 | -2.1 | 2007 |
| 825 | 82 | 12.0 | -11.8 | -1.7 | 2 87 | 11.4 | -11.4 | -.6 | 85 | 17.0 | -16.9 | -1.6 | 2 91 | 16.0 | -16.0 | .2 | 1745 |
| 850 | 84 | 12.9 | -12.8 | -1.3 | 2 86 | 12.9 | -12.9 | -.9 | 88 | 13.6 | -13.6 | -.5 | 2 95 | 16.0 | -15.9 | 1.4 | 1490 |
| 875 | 3 88 | 15.0 | -15.0 | -.4 | 2 84 | 13.8 | -13.7 | -1.5 | 90 | 12.6 | -12.6 | .0 | 95 | 15.9 | -15.8 | 1.5 | 1242 |
| 900 | 2 91 | 15.3 | -15.3 | .3 | 2 83 | 12.1 | -12.0 | -1.4 | 91 | 13.3 | -13.3 | .3 | 96 | 15.0 | -14.9 | 1.7 | 999 |
| 925 | 2 92 | 13.7 | -13.7 | .6 | 2 86 | 10.3 | -10.3 | -.7 | 89 | 12.2 | -12.2 | -.3 | 101 | 13.8 | -13.6 | 2.6 | 762 |
| 950 | 2 93 | 11.1 | -11.1 | .7 | 2 92 | 9.3 | -9.3 | .3 | 87 | 11.4 | -11.3 | -.6 | 106 | 12.4 | -11.9 | 3.5 | 529 |
| 975 | 0 0 | 0.0 | 0.0 | 0.0 | 2 99 | 8.5 | -8.4 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 105 | 10.7 | -10.4 | 2.8 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/18 13 8 GMT | | | | 3/18 1644 GMT | | | | 3/18 1835 GMT | | | | 3/18 21 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 2 | 267 | 8.2 | 8.2 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 305 | 10.3 | 8.5 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 283 | 12.4 | 12.1 | -2.7 | 18589 |
| 80 | 2 | 299 | 12.3 | 10.8 | -5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 298 | 14.6 | 12.9 | -6.8 | 17801 |
| 90 | 2 | 264 | 9.6 | 9.6 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 304 | 9.3 | 7.7 | -5.2 | 17121 |
| 100 | 2 | 271 | 13.3 | 13.3 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 268 | 12.3 | 12.3 | .5 | 16521 |
| 110 | 2 | 273 | 11.8 | 11.8 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 210 | 14.8 | 7.3 | 12.8 | 15978 |
| 120 | 2 | 286 | 12.6 | 12.1 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 244 | 11.3 | 10.2 | 4.9 | 15479 |
| 130 | 2 | 287 | 11.9 | 11.3 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 257 | 10.5 | 10.2 | 2.4 | 15014 |
| 140 | 2 | 288 | 11.4 | 10.8 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 276 | 15.6 | 15.5 | -1.7 | 14578 |
| 150 | 2 | 291 | 12.4 | 11.6 | -4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 276 | 14.6 | 14.6 | -1.5 | 14167 |
| 160 | 2 | 292 | 14.4 | 13.4 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 280 | 15.2 | 15.0 | -2.5 | 13776 |
| 170 | 2 | 291 | 13.5 | 12.6 | -4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 282 | 16.0 | 15.7 | -3.4 | 13404 |
| 180 | 2 | 289 | 12.5 | 11.8 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 277 | 13.1 | 13.0 | -1.6 | 13049 |
| 190 | 2 | 283 | 12.2 | 11.9 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 281 | 11.5 | 11.2 | -2.3 | 12709 |
| 200 | 2 | 292 | 11.7 | 10.8 | -4.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 283 | 11.4 | 11.1 | -2.6 | 12383 |
| 225 | | | | | | 2 | 290 | 11.0 | 10.4 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 285 | 12.9 | 12.4 | -3.4 | 11617 |
| 250 | | | | | | 2 | 281 | 13.8 | 13.5 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 275 | 13.2 | 13.1 | -1.2 | 10914 |
| 275 | | | | | | 2 | 255 | 11.5 | 11.1 | 3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 251 | 12.2 | 11.5 | 4.0 | 10262 |
| 300 | | | | | | 2 | 252 | 12.4 | 11.8 | 3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 256 | 14.7 | 14.3 | 3.4 | 9654 |
| 325 | | | | | | 2 | 265 | 12.1 | 12.1 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 269 | 13.5 | 13.5 | .3 | 9084 |
| 350 | 2 | 259 | 10.6 | 10.4 | 2.0 | 2 | 269 | 10.4 | 10.4 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 274 | 13.5 | 13.5 | -1.0 | 8546 |
| 375 | 2 | 260 | 11.6 | 11.4 | 2.0 | 2 | 272 | 9.3 | 9.3 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 276 | 11.2 | 11.2 | -1.2 | 8039 |
| 400 | 2 | 252 | 9.3 | 8.8 | 2.8 | 2 | 261 | 7.1 | 7.0 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 278 | 11.8 | 11.7 | -1.7 | 7557 |
| 425 | 2 | 258 | 6.6 | 6.4 | 1.4 | 2 | 278 | 5.8 | 5.8 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 293 | 8.7 | 8.0 | -3.4 | 7099 |
| 450 | 2 | 302 | 7.8 | 6.6 | -4.2 | 2 | 314 | 7.3 | 5.2 | -5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 289 | 9.1 | 8.7 | -2.9 | 6662 |
| 475 | 2 | 316 | 7.7 | 5.4 | -5.6 | 2 | 334 | 7.3 | 3.2 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 304 | 9.2 | 7.6 | -5.1 | 6244 |
| 500 | 2 | 6 | 4.1 | -.4 | -4.1 | 2 | 29 | 7.2 | -3.5 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 326 | 7.0 | 4.0 | -5.8 | 5844 |
| 525 | 2 | 61 | 5.9 | -5.2 | -2.8 | 2 | 56 | 9.6 | -8.0 | -5.4 | 2 | 52 | 7.2 | -5.7 | -4.4 | 2 | 55 | 5.4 | -4.5 | -3.1 | 5460 |
| 550 | 2 | 60 | 6.3 | -5.4 | -3.2 | 2 | 65 | 9.8 | -8.9 | -4.1 | 2 | 80 | 10.3 | -10.2 | -1.8 | 2 | 95 | 10.3 | -10.3 | .8 | 5091 |
| 575 | 2 | 55 | 6.9 | -5.6 | -4.0 | 2 | 70 | 10.2 | -9.6 | -3.4 | 2 | 88 | 14.5 | -14.5 | -.5 | 2 | 96 | 12.5 | -12.4 | 1.4 | 4736 |
| 600 | 2 | 69 | 8.4 | -7.8 | -3.1 | 2 | 77 | 9.7 | -9.4 | -2.2 | 2 | 90 | 15.6 | -15.6 | .1 | 2 | 92 | 13.3 | -13.3 | .4 | 4393 |
| 625 | 2 | 82 | 12.0 | -11.9 | -1.7 | 2 | 84 | 11.5 | -11.4 | -1.2 | 2 | 88 | 13.4 | -13.4 | -.4 | 2 | 88 | 13.2 | -13.2 | -.5 | 4062 |
| 650 | 2 | 85 | 12.9 | -12.9 | -1.1 | 2 | 88 | 13.8 | -13.8 | -.6 | 2 | 86 | 12.7 | -12.7 | -.8 | 2 | 88 | 14.7 | -14.7 | -.5 | 3742 |
| 675 | 2 | 88 | 12.1 | -12.1 | -.4 | 2 | 91 | 13.6 | -13.6 | .1 | 2 | 84 | 14.4 | -14.4 | -1.6 | 2 | 90 | 14.9 | -14.9 | .0 | 3431 |
| 700 | 2 | 91 | 12.7 | -12.7 | .3 | 2 | 89 | 12.7 | -12.7 | -.2 | 2 | 85 | 15.3 | -15.3 | -1.3 | 2 | 89 | 13.0 | -13.0 | -.1 | 3130 |
| 725 | 2 | 89 | 14.0 | -14.0 | -.3 | 2 | 84 | 13.1 | -13.1 | -1.3 | 2 | 91 | 14.7 | -14.7 | .3 | 2 | 89 | 13.5 | -13.5 | -.3 | 2837 |
| 750 | 2 | 91 | 13.1 | -13.1 | .3 | 2 | 86 | 13.7 | -13.7 | -1.0 | 2 | 97 | 13.7 | -13.6 | 1.6 | 2 | 93 | 14.7 | -14.7 | .7 | 2553 |
| 775 | 2 | 94 | 10.7 | -10.7 | .8 | 2 | 91 | 12.8 | -12.8 | .3 | 2 | 97 | 13.6 | -13.5 | 1.7 | 2 | 97 | 12.4 | -12.3 | 1.5 | 2276 |
| 800 | 2 | 92 | 10.0 | -10.0 | .4 | 2 | 96 | 11.2 | -11.2 | 1.2 | 2 | 91 | 14.5 | -14.5 | .1 | 2 | 102 | 12.7 | -12.4 | 2.6 | 2007 |
| 825 | 2 | 92 | 10.7 | -10.7 | .3 | 2 | 96 | 11.2 | -11.1 | 1.1 | 2 | 89 | 15.2 | -15.2 | -.4 | 2 | 101 | 14.0 | -13.7 | 2.8 | 1745 |
| 850 | 2 | 93 | 12.4 | -12.4 | .6 | | 93 | 13.0 | -13.0 | .6 | 3 | 89 | 15.5 | -15.5 | -.3 | 2 | 98 | 14.4 | -14.2 | 2.0 | 1490 |
| 875 | | 94 | 14.2 | -14.2 | 1.0 | | 92 | 15.3 | -15.3 | .4 | | 90 | 15.9 | -15.9 | -.1 | | 98 | 14.9 | -14.7 | 2.0 | 1242 |
| 900 | | 94 | 14.2 | -14.2 | 1.1 | | 93 | 17.0 | -17.0 | 1.0 | | 94 | 16.5 | -16.5 | 1.1 | | 97 | 15.3 | -15.2 | 1.8 | 999 |
| 925 | | 94 | 12.9 | -12.9 | 1.0 | | 98 | 17.5 | -17.3 | 2.4 | | 99 | 16.3 | -16.1 | 2.6 | | 99 | 12.3 | -12.2 | 1.9 | 762 |
| 950 | | 97 | 12.1 | -12.0 | 1.6 | | 105 | 16.0 | -15.4 | 4.0 | | 102 | 13.9 | -13.6 | 3.0 | | 118 | 8.5 | -7.6 | 3.9 | 529 |
| 975 | | 105 | 11.2 | -10.8 | 2.8 | | 111 | 13.3 | -12.4 | 4.8 | | 103 | 10.9 | -10.6 | 2.5 | | 123 | 8.1 | -6.8 | 4.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/18 2340 GMT | | | | 3/19 240 GMT | | | | 3/19 6 5 GMT | | | | 3/19 9 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 2 | 272 | 13.2 | 13.2 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 288 | 9.7 | 9.2 | -3.0 | | 280 | 6.4 | 6.3 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 14.6 | 13.4 | -5.7 | 18589 |
| 80 | 2 | 289 | 16.1 | 15.2 | -5.4 | | 286 | 16.3 | 15.7 | -4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 14.0 | 13.7 | -2.8 | 17801 |
| 90 | 2 | 309 | 11.3 | 8.8 | -7.2 | | 293 | 9.1 | 8.4 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 10.3 | 9.5 | -4.1 | 17121 |
| 100 | 2 | 262 | 14.1 | 14.0 | 1.8 | | 275 | 16.3 | 16.2 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 16.0 | 15.9 | -1.3 | 16521 |
| 110 | 2 | 232 | 14.7 | 11.7 | 9.0 | | 252 | 15.4 | 14.6 | 4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 18.2 | 17.5 | 4.7 | 15978 |
| 120 | 2 | 253 | 12.4 | 11.9 | 3.5 | | 254 | 15.5 | 14.9 | 4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 19.0 | 18.2 | 5.5 | 15479 |
| 130 | 2 | 264 | 13.0 | 12.9 | 1.4 | | 260 | 13.9 | 13.7 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 19.2 | 18.7 | 4.4 | 15014 |
| 140 | 2 | 266 | 14.6 | 14.5 | 1.0 | | 265 | 15.9 | 15.8 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 18.3 | 17.8 | 4.2 | 14578 |
| 150 | 2 | 267 | 14.8 | 14.8 | .8 | | 264 | 15.8 | 15.7 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 252 | 17.2 | 16.4 | 5.3 | 14167 |
| 160 | 2 | 265 | 13.9 | 13.8 | 1.3 | | 265 | 15.5 | 15.5 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 16.3 | 15.6 | 4.7 | 13776 |
| 170 | 2 | 253 | 11.9 | 11.4 | 3.5 | | 274 | 14.7 | 14.7 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 16.5 | 16.4 | 1.9 | 13404 |
| 180 | 1 | 267 | 11.6 | 11.6 | .6 | | 274 | 15.3 | 15.3 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 15.7 | 15.7 | .5 | 13049 |
| 190 | 1 | 287 | 12.5 | 11.9 | -3.7 | | 271 | 15.5 | 15.5 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 15.2 | 15.2 | -.9 | 12709 |
| 200 | 2 | 294 | 12.5 | 11.4 | -5.1 | | 270 | 15.1 | 15.1 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 14.4 | 14.4 | .5 | 12383 |
| 225 | 2 | 275 | 15.5 | 15.5 | -1.4 | | 278 | 12.4 | 12.2 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 13.4 | 12.4 | 4.9 | 11617 |
| 250 | 2 | 266 | 12.9 | 12.9 | .9 | | 258 | 14.7 | 14.4 | 3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 17.0 | 16.5 | 3.9 | 10914 |
| 275 | 2 | 260 | 14.9 | 14.6 | 2.6 | | 258 | 17.4 | 17.0 | 3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 21.1 | 20.2 | 6.1 | 10262 |
| 300 | 2 | 265 | 19.2 | 19.1 | 1.6 | | 260 | 19.5 | 19.2 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 24.1 | 22.6 | 8.5 | 9654 |
| 325 | 2 | 269 | 16.7 | 16.7 | .2 | | 283 | 17.2 | 16.8 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 19.2 | 19.2 | 1.3 | 9084 |
| 350 | 2 | 286 | 12.8 | 12.3 | -3.5 | | 287 | 19.2 | 18.4 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 18.8 | 18.5 | -3.1 | 8546 |
| 375 | 2 | 285 | 9.1 | 8.8 | -2.4 | | 281 | 16.1 | 15.8 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 17.3 | 16.3 | -5.9 | 8039 |
| 400 | 2 | 292 | 9.6 | 8.9 | -3.6 | | 282 | 9.1 | 8.8 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 7.3 | 7.0 | -2.3 | 7557 |
| 425 | 2 | 307 | 9.0 | 7.2 | -5.3 | | 283 | 6.4 | 6.2 | -1.5 | | 268 | 7.1 | 7.1 | .2 | | 246 | 3.4 | 3.1 | 1.4 | 7099 |
| 450 | 2 | 295 | 9.0 | 8.1 | -3.8 | | 283 | 6.1 | 6.0 | -1.4 | | 268 | 4.5 | 4.5 | .1 | | 280 | 1.6 | 1.5 | -.3 | 6662 |
| 475 | 2 | 310 | 8.4 | 6.5 | -5.4 | | 303 | 4.5 | 3.7 | -2.5 | | 286 | 3.9 | 3.8 | -1.1 | | 290 | 3.8 | 3.6 | -1.3 | 6244 |
| 500 | 2 | 4 | 6.1 | -.4 | -6.1 | | 36 | 3.6 | -2.1 | -2.9 | | 19 | 4.0 | -1.3 | -3.8 | | 345 | 3.0 | .8 | -2.9 | 5844 |
| 525 | 2 | 48 | 6.9 | -5.1 | -4.6 | | 83 | 10.3 | -10.2 | -1.3 | | 45 | 6.2 | -4.4 | -4.4 | | 52 | 2.8 | -2.2 | -1.7 | 5460 |
| 550 | 2 | 86 | 9.9 | -9.9 | -.7 | | 93 | 12.5 | -12.5 | .7 | | 82 | 7.3 | -7.3 | -1.0 | | 109 | 4.6 | -4.3 | 1.5 | 5091 |
| 575 | 2 | 101 | 13.3 | -13.1 | 2.5 | | 108 | 11.8 | -11.2 | 3.6 | | 78 | 8.6 | -8.4 | -1.8 | | 111 | 10.2 | -9.5 | 3.7 | 4736 |
| 600 | 2 | 101 | 13.8 | -13.5 | 2.6 | | 112 | 11.9 | -11.1 | 4.5 | | 85 | 9.7 | -9.6 | -.9 | | 108 | 16.1 | -15.3 | 5.1 | 4393 |
| 625 | 2 | 97 | 13.9 | -13.8 | 1.6 | | 109 | 12.8 | -12.0 | 4.2 | | 100 | 9.3 | -9.1 | 1.6 | | 101 | 19.1 | -18.7 | 3.7 | 4062 |
| 650 | 2 | 96 | 13.1 | -13.0 | 1.3 | | 105 | 12.4 | -12.0 | 3.2 | | 106 | 8.9 | -8.6 | 2.4 | | 105 | 20.6 | -19.9 | 5.5 | 3742 |
| 675 | 2 | 95 | 12.9 | -12.8 | 1.1 | | 100 | 11.8 | -11.6 | 2.1 | | 110 | 9.5 | -8.9 | 3.2 | | 111 | 19.6 | -18.3 | 7.0 | 3431 |
| 700 | 2 | 88 | 13.7 | -13.7 | -.5 | | 101 | 11.6 | -11.3 | 2.3 | | 107 | 11.8 | -11.3 | 3.4 | | 109 | 18.5 | -17.5 | 6.2 | 3130 |
| 725 | 2 | 93 | 14.0 | -14.0 | .8 | | 108 | 11.3 | -10.7 | 3.5 | | 112 | 15.1 | -14.0 | 5.6 | | 105 | 18.8 | -18.2 | 4.8 | 2837 |
| 750 | 2 | 102 | 13.3 | -13.0 | 2.7 | | 108 | 11.9 | -11.4 | 3.7 | | 121 | 16.3 | -14.1 | 8.3 | | 96 | 19.5 | -19.4 | 2.1 | 2553 |
| 775 | 2 | 108 | 12.4 | -11.8 | 3.8 | | 106 | 12.2 | -11.7 | 3.4 | | 115 | 17.6 | -16.0 | 7.4 | | 90 | 19.2 | -19.2 | -.1 | 2276 |
| 800 | 2 | 108 | 13.4 | -12.7 | 4.2 | | 107 | 12.7 | -12.1 | 3.7 | | 112 | 16.6 | -15.5 | 6.1 | | 86 | 17.5 | -17.5 | -1.1 | 2007 |
| 825 | 2 | 103 | 15.0 | -14.6 | 3.4 | | 106 | 13.5 | -13.0 | 3.7 | | 113 | 14.3 | -13.2 | 5.5 | | 88 | 18.0 | -18.0 | -.6 | 1745 |
| 850 | 3 | 100 | 15.3 | -15.1 | 2.6 | | 103 | 14.3 | -14.0 | 3.1 | | 107 | 15.5 | -14.8 | 4.7 | | 90 | 19.5 | -19.5 | -.0 | 1490 |
| 875 | | 100 | 13.7 | -13.5 | 2.3 | | 101 | 13.6 | -13.4 | 2.6 | | 97 | 17.2 | -17.1 | 2.0 | | 91 | 18.0 | -18.0 | .3 | 1242 |
| 900 | | 104 | 11.8 | -11.5 | 2.8 | | 108 | 11.5 | -11.0 | 3.6 | | 83 | 17.4 | -17.3 | -2.1 | | 94 | 15.5 | -15.5 | 1.2 | 999 |
| 925 | | 102 | 11.8 | -11.6 | 2.4 | | 118 | 10.9 | -9.6 | 5.2 | | 74 | 16.4 | -15.8 | -4.5 | | 101 | 13.7 | -13.5 | 2.5 | 762 |
| 950 | | 100 | 12.1 | -11.9 | 2.1 | | 119 | 10.5 | -9.2 | 5.1 | | 73 | 13.6 | -13.0 | -4.1 | | 106 | 11.5 | -11.0 | 3.2 | 529 |
| 975 | | 111 | 11.1 | -10.3 | 4.0 | | 113 | 9.8 | -9.0 | 3.8 | | 79 | 9.7 | -9.5 | -1.9 | | 106 | 8.7 | -8.4 | 2.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/19 1115 GMT | | | | 3/19 1820 GMT | | | | 3/20 0 7 GMT | | | | 3/20 545 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 322 | 10.9 | 6.8 | -8.6 | 0 0 | 0.0 | 0.0 | 0.0 | 298 | 12.2 | 10.8 | -5.8 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 304 | 15.4 | 12.7 | -8.7 | 0 0 | 0.0 | 0.0 | 0.0 | 271 | 17.1 | 17.1 | -.4 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 272 | 15.2 | 15.2 | -.6 | 0 0 | 0.0 | 0.0 | 0.0 | 270 | 9.7 | 9.7 | .0 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 275 | 14.4 | 14.3 | -1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 276 | 13.7 | 13.6 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 289 | 15.3 | 14.5 | -5.0 | 0 0 | 0.0 | 0.0 | 0.0 | 284 | 14.8 | 14.4 | -3.6 | 0 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 270 | 20.2 | 20.2 | -.0 | 0 0 | 0.0 | 0.0 | 0.0 | 282 | 18.4 | 18.0 | -3.7 | 0 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 248 | 20.3 | 18.7 | 7.7 | 0 0 | 0.0 | 0.0 | 0.0 | 265 | 20.9 | 20.8 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 245 | 20.1 | 18.2 | 8.4 | 0 0 | 0.0 | 0.0 | 0.0 | 258 | 25.5 | 25.0 | 5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 250 | 20.2 | 19.0 | 7.1 | 0 0 | 0.0 | 0.0 | 0.0 | 266 | 18.3 | 18.3 | 1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 254 | 18.3 | 17.6 | 5.0 | 0 0 | 0.0 | 0.0 | 0.0 | 261 | 20.1 | 19.8 | 3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 255 | 18.0 | 17.4 | 4.5 | 0 0 | 0.0 | 0.0 | 0.0 | 259 | 23.5 | 23.1 | 4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 252 | 17.4 | 16.6 | 5.3 | 0 0 | 0.0 | 0.0 | 0.0 | 259 | 22.4 | 22.0 | 4.4 | 0 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 257 | 18.3 | 17.8 | 4.3 | 0 0 | 0.0 | 0.0 | 0.0 | 255 | 23.9 | 23.1 | 6.2 | 0 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 256 | 17.6 | 17.1 | 4.3 | 0 0 | 0.0 | 0.0 | 0.0 | 254 | 23.0 | 22.0 | 6.5 | 0 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 249 | 14.0 | 13.0 | 5.0 | 0 0 | 0.0 | 0.0 | 0.0 | 256 | 19.1 | 18.5 | 4.8 | 0 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 237 | 13.8 | 11.6 | 7.5 | 0 0 | 0.0 | 0.0 | 0.0 | 268 | 17.0 | 17.0 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 265 | 20.6 | 20.5 | 2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 264 | 22.3 | 22.2 | 2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 256 | 23.1 | 22.5 | 5.4 | 0 0 | 0.0 | 0.0 | 0.0 | 262 | 22.6 | 22.4 | 3.2 | 0 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 251 | 24.2 | 22.9 | 7.8 | 0 0 | 0.0 | 0.0 | 0.0 | 266 | 19.8 | 19.8 | 1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 261 | 18.9 | 18.7 | 3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 260 | 14.1 | 13.9 | 2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 275 | 18.3 | 18.2 | -1.6 | 260 | 15.9 | 15.6 | 2.8 | 261 | 15.3 | 15.1 | 2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 277 | 16.7 | 16.5 | -2.1 | 269 | 18.3 | 18.3 | .3 | 253 | 16.4 | 15.6 | 4.9 | 243 | 14.2 | 12.7 | 6.4 | 8039 |
| 400 | 293 | 13.8 | 12.7 | -5.4 | 287 | 13.1 | 12.5 | -3.9 | 255 | 14.8 | 14.3 | 3.8 | 244 | 12.1 | 10.9 | 5.3 | 7557 |
| 425 | 320 | 2.9 | 1.8 | -2.2 | 292 | 4.0 | 3.7 | -1.5 | 260 | 8.1 | 8.0 | 1.5 | 246 | 7.7 | 7.0 | 3.2 | 7099 |
| 450 | 276 | 3.7 | 3.7 | -.4 | 278 | 2.1 | 2.1 | -.3 | 235 | 3.5 | 2.9 | 2.0 | 239 | 3.7 | 3.1 | 1.9 | 6662 |
| 475 | 283 | 5.2 | 5.1 | -1.1 | 326 | .3 | .2 | -.3 | 236 | 5.0 | 4.1 | 2.8 | 223 | 3.9 | 2.7 | 2.9 | 6244 |
| 500 | 257 | 2.2 | 2.2 | .5 | 321 | 1.4 | .9 | -1.0 | 210 | 3.6 | 1.8 | 3.2 | 216 | 3.7 | 2.2 | 3.0 | 5844 |
| 525 | 106 | 3.3 | -3.2 | .9 | 283 | 1.7 | 1.7 | -.4 | 142 | 2.1 | -1.3 | 1.6 | 157 | 1.7 | -.7 | 1.6 | 5460 |
| 550 | 97 | 6.5 | -6.4 | .7 | 102 | 6.0 | -5.9 | 1.3 | 125 | 12.4 | -10.2 | 7.1 | 144 | 5.1 | -3.0 | 4.1 | 5091 |
| 575 | 104 | 7.0 | -6.8 | 1.7 | 112 | 13.3 | -12.3 | 5.0 | 136 | 14.0 | -9.8 | 10.0 | 158 | 7.5 | -2.8 | 7.0 | 4736 |
| 600 | 107 | 10.5 | -10.0 | 3.1 | 112 | 14.6 | -13.5 | 5.5 | 132 | 13.9 | -10.2 | 9.4 | 153 | 9.5 | -4.3 | 8.5 | 4393 |
| 625 | 111 | 13.7 | -12.7 | 4.9 | 104 | 13.9 | -13.5 | 3.4 | 123 | 13.4 | -11.2 | 7.4 | 140 | 9.3 | -6.0 | 7.1 | 4062 |
| 650 | 109 | 15.1 | -14.3 | 4.9 | 114 | 15.0 | -13.7 | 6.1 | 116 | 12.8 | -11.5 | 5.7 | 123 | 9.1 | -7.7 | 4.9 | 3742 |
| 675 | 109 | 15.6 | -14.7 | 5.2 | 110 | 14.9 | -14.1 | 5.0 | 115 | 12.9 | -11.7 | 5.4 | 116 | 9.9 | -8.9 | 4.3 | 3431 |
| 700 | 104 | 14.9 | -14.5 | 3.5 | 100 | 19.3 | -19.0 | 3.3 | 107 | 13.8 | -13.2 | 4.1 | 116 | 12.1 | -10.9 | 5.3 | 3130 |
| 725 | 96 | 14.9 | -14.8 | 1.5 | 98 | 21.4 | -21.2 | 3.1 | 102 | 13.1 | -12.9 | 2.7 | 105 | 12.5 | -12.1 | 3.1 | 2837 |
| 750 | 98 | 14.4 | -14.3 | 1.9 | 97 | 15.3 | -15.2 | 2.0 | 101 | 12.3 | -12.1 | 2.2 | 96 | 13.0 | -12.9 | 1.4 | 2553 |
| 775 | 97 | 14.6 | -14.5 | 1.8 | 96 | 17.3 | -17.2 | 1.9 | 98 | 15.8 | -15.6 | 2.2 | 95 | 13.8 | -13.8 | 1.2 | 2276 |
| 800 | 94 | 16.9 | -16.8 | 1.2 | 93 | 17.2 | -17.2 | .9 | 98 | 17.2 | -17.1 | 2.5 | 93 | 12.4 | -12.3 | .7 | 2007 |
| 825 | 92 | 19.7 | -19.6 | .7 | 92 | 12.2 | -12.2 | .3 | 100 | 13.9 | -13.7 | 2.4 | 92 | 12.3 | -12.2 | .4 | 1745 |
| 850 | 92 | 20.5 | -20.5 | .6 | 97 | 11.7 | -11.6 | 1.4 | 97 | 11.9 | -11.9 | 1.4 | 89 | 13.8 | -13.8 | -.2 | 1490 |
| 875 | 94 | 18.7 | -18.7 | 1.3 | 102 | 12.1 | -11.9 | 2.5 | 94 | 12.2 | -12.2 | .7 | 86 | 13.4 | -13.4 | -1.0 | 1242 |
| 900 | 97 | 15.8 | -15.6 | 1.9 | 105 | 12.9 | -12.4 | 3.4 | 95 | 11.5 | -11.5 | 1.0 | 85 | 11.7 | -11.7 | -1.0 | 999 |
| 925 | 99 | 13.2 | -13.0 | 2.0 | 106 | 12.3 | -11.8 | 3.5 | 96 | 9.4 | -9.4 | 1.0 | 89 | 10.0 | -10.0 | -.2 | 762 |
| 950 | 100 | 10.9 | -10.7 | 1.9 | 108 | 10.1 | -9.7 | 3.1 | 98 | 7.4 | -7.3 | 1.0 | 96 | 7.9 | -7.9 | .8 | 529 |
| 975 | 99 | 8.3 | -8.2 | 1.4 | 112 | 9.1 | -8.5 | 3.4 | 107 | 6.2 | -5.9 | 1.9 | 100 | 7.0 | -6.9 | 1.2 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| P | 3/20 1138 GMT I | DD | FF | U | V | 3/20 1530 GMT I | DD | FF | U | V | 3/20 19 0 GMT I | DD | FF | U | V | 3/20 2055 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | | 291 | 16.6 | 15.5 | -6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 294 | 12.2 | 11.2 | -4.9 | | 280 | 7.9 | 7.8 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 11.6 | 10.8 | -4.2 | 18589 |
| 80 | | 276 | 19.5 | 19.4 | -1.9 | | 273 | 26.0 | 26.0 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 18.3 | 17.6 | -5.1 | 17801 |
| 90 | | 265 | 25.0 | 25.0 | 2.1 | | 262 | 28.6 | 28.3 | 3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 25.1 | 25.1 | -.6 | 17121 |
| 100 | | 284 | 17.0 | 16.5 | -4.2 | | 289 | 19.9 | 18.8 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 13.5 | 12.3 | -5.6 | 16521 |
| 110 | | 303 | 18.9 | 15.8 | -10.4 | | 301 | 23.2 | 19.8 | -12.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 311 | 20.1 | 15.2 | -13.2 | 15978 |
| 120 | | 278 | 24.0 | 23.8 | -3.4 | | 285 | 27.5 | 26.6 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 22.2 | 19.3 | -10.8 | 15479 |
| 130 | | 263 | 30.5 | 30.3 | 3.5 | | 280 | 24.6 | 24.3 | -4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 23.1 | 20.4 | -11.0 | 15014 |
| 140 | | 259 | 31.0 | 30.4 | 5.7 | | 272 | 31.7 | 31.6 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 28.4 | 26.8 | -9.4 | 14578 |
| 150 | | 259 | 28.1 | 27.6 | 5.4 | | 269 | 26.5 | 26.5 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 30.8 | 30.8 | .2 | 14167 |
| 160 | | 255 | 26.0 | 25.1 | 6.7 | | 255 | 36.9 | 35.7 | 9.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 31.9 | 31.6 | 4.7 | 13776 |
| 170 | | 251 | 25.5 | 24.1 | 8.2 | | 247 | 29.4 | 27.1 | 11.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 30.3 | 29.7 | 6.1 | 13404 |
| 180 | | 252 | 24.0 | 22.9 | 7.3 | | 242 | 23.9 | 21.1 | 11.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 28.8 | 27.9 | 7.1 | 13049 |
| 190 | | 259 | 20.1 | 19.8 | 3.9 | | 242 | 22.3 | 19.7 | 10.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 24.8 | 24.0 | 6.4 | 12709 |
| 200 | | 264 | 17.1 | 17.0 | 1.8 | | 243 | 21.0 | 18.7 | 9.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 20.0 | 19.3 | 5.1 | 12383 |
| 225 | | 271 | 15.9 | 15.9 | -.2 | | 261 | 17.3 | 17.1 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 17.2 | 16.0 | 6.3 | 11617 |
| 250 | | 274 | 18.4 | 18.4 | -1.2 | | 267 | 17.3 | 17.3 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 18.2 | 17.6 | 4.3 | 10914 |
| 275 | | 260 | 19.5 | 19.2 | 3.3 | | 277 | 22.7 | 22.5 | -2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 16.2 | 16.2 | -1.2 | 10262 |
| 300 | 3 | 263 | 19.2 | 19.1 | 2.3 | | 271 | 22.6 | 22.6 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 13.2 | 12.8 | -3.0 | 9654 |
| 325 | | 269 | 20.8 | 20.8 | .4 | | 269 | 23.0 | 23.0 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 11.7 | 10.2 | -5.7 | 9084 |
| 350 | | 251 | 18.8 | 17.8 | 6.1 | | 257 | 17.9 | 17.4 | 4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 12.7 | 12.7 | -.1 | 8546 |
| 375 | | 253 | 18.9 | 18.1 | 5.4 | | 251 | 20.2 | 19.2 | 6.4 | | 251 | 15.9 | 15.0 | 5.2 | | 252 | 15.2 | 14.5 | 4.8 | 8039 |
| 400 | | 242 | 13.4 | 11.9 | 6.2 | | 242 | 15.5 | 13.6 | 7.3 | | 250 | 18.5 | 17.4 | 6.3 | | 251 | 18.3 | 17.3 | 6.1 | 7557 |
| 425 | | 243 | 10.9 | 9.7 | 5.0 | | 249 | 11.9 | 11.1 | 4.3 | | 244 | 16.5 | 14.8 | 7.3 | | 249 | 18.9 | 17.7 | 6.7 | 7099 |
| 450 | | 224 | 5.4 | 3.7 | 3.9 | | 244 | 7.4 | 6.6 | 3.3 | | 248 | 11.9 | 11.0 | 4.4 | | 247 | 13.1 | 12.1 | 5.1 | 6662 |
| 475 | | 194 | 3.8 | .9 | 3.7 | | 236 | 6.0 | 5.0 | 3.3 | | 252 | 10.3 | 9.8 | 3.1 | | 252 | 10.9 | 10.4 | 3.3 | 6244 |
| 500 | | 210 | 4.7 | 2.4 | 4.1 | | 226 | 4.5 | 3.3 | 3.1 | | 230 | 8.8 | 6.7 | 5.6 | | 241 | 10.7 | 9.3 | 5.2 | 5844 |
| 525 | | 161 | 4.1 | -1.4 | 3.8 | | 231 | 2.3 | 1.8 | 1.5 | | 227 | 8.0 | 5.9 | 5.4 | | 219 | 9.7 | 6.1 | 7.5 | 5460 |
| 550 | | 143 | 6.6 | -4.0 | 5.3 | | 154 | .2 | -.1 | .2 | | 195 | 5.4 | 1.4 | 5.2 | | 212 | 7.3 | 3.9 | 6.1 | 5091 |
| 575 | | 140 | 7.9 | -5.1 | 6.1 | | 197 | 2.7 | .8 | 2.6 | | 165 | 6.4 | -1.6 | 6.2 | | 175 | 7.9 | -.7 | 7.9 | 4736 |
| 600 | | 138 | 8.1 | -5.4 | 6.1 | | 143 | 1.3 | -.8 | 1.1 | | 186 | 6.1 | .7 | 6.1 | | 177 | 6.8 | -.3 | 6.8 | 4393 |
| 625 | | 112 | 8.4 | -7.8 | 3.1 | | 114 | 2.6 | -2.4 | 1.0 | | 157 | 5.0 | -2.0 | 4.6 | | 159 | 5.8 | -2.1 | 5.4 | 4062 |
| 650 | | 114 | 8.2 | -7.5 | 3.3 | | 98 | 4.6 | -4.6 | .6 | | 123 | 6.9 | -5.8 | 3.7 | | 136 | 7.3 | -5.0 | 5.3 | 3742 |
| 675 | | 128 | 8.0 | -6.3 | 4.9 | | 89 | 5.9 | -5.9 | -.1 | | 112 | 9.0 | -8.3 | 3.4 | | 123 | 7.5 | -6.3 | 4.2 | 3431 |
| 700 | | 112 | 9.6 | -8.9 | 3.6 | | 96 | 7.2 | -7.2 | .7 | | 98 | 10.0 | -9.9 | 1.4 | | 107 | 9.4 | -9.0 | 2.7 | 3130 |
| 725 | | 97 | 9.1 | -9.0 | 1.1 | | 98 | 9.7 | -9.6 | 1.3 | | 87 | 9.9 | -9.9 | -.4 | | 100 | 10.0 | -9.9 | 1.7 | 2837 |
| 750 | | 90 | 9.8 | -9.8 | .0 | | 103 | 8.5 | -8.3 | 1.9 | | 91 | 9.7 | -9.7 | .2 | | 97 | 10.0 | -10.0 | 1.2 | 2553 |
| 775 | | 94 | 11.9 | -11.8 | .8 | | 101 | 7.1 | -7.0 | 1.3 | | 98 | 9.6 | -9.5 | 1.3 | | 92 | 9.5 | -9.5 | .3 | 2276 |
| 800 | | 96 | 12.3 | -12.2 | 1.2 | | 90 | 9.4 | -9.4 | .0 | | 91 | 10.0 | -10.0 | .2 | | 89 | 9.4 | -9.4 | -.2 | 2007 |
| 825 | | 94 | 12.2 | -12.2 | .8 | | 90 | 10.8 | -10.8 | .0 | | 84 | 10.9 | -10.8 | -1.1 | | 88 | 10.0 | -10.0 | -.3 | 1745 |
| 850 | | 92 | 11.7 | -11.7 | .4 | | 92 | 11.0 | -11.0 | .4 | | 81 | 10.7 | -10.6 | -1.7 | | 85 | 9.9 | -9.9 | -.9 | 1490 |
| 875 | | 90 | 9.3 | -9.3 | .0 | | 91 | 11.0 | -11.0 | .2 | | 77 | 9.7 | -9.4 | -2.2 | | 79 | 9.4 | -9.2 | -1.8 | 1242 |
| 900 | | 89 | 6.4 | -6.4 | -.1 | | 89 | 10.9 | -10.9 | -.2 | | 72 | 10.0 | -9.5 | -3.0 | | 72 | 10.0 | -9.5 | -3.0 | 999 |
| 925 | | 94 | 5.0 | -5.0 | .3 | | 88 | 10.2 | -10.2 | -.4 | | 73 | 11.6 | -11.1 | -3.4 | | 63 | 11.2 | -10.0 | -5.1 | 762 |
| 950 | | 101 | 4.9 | -4.8 | .9 | | 83 | 9.1 | -9.0 | -1.1 | | 73 | 11.5 | -10.9 | -3.4 | | 58 | 10.6 | -9.0 | -5.6 | 529 |
| 975 | | 101 | 4.5 | -4.4 | .9 | | 66 | 8.1 | -7.4 | -3.3 | | 64 | 8.6 | -7.7 | -3.8 | | 67 | 8.1 | -7.4 | -3.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/20 2330 GMT | | | | 3/21 245 GMT | | | | 3/21 6 1 GMT | | | | 3/21 920 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 285 | 12.9 | 12.5 | -3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 280 | 12.2 | 12.0 | -2.2 | 270 | 13.5 | 13.5 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 316 | 19.1 | 13.3 | -13.6 | 18589 |
| 80 | 280 | 20.8 | 20.4 | -3.7 | 272 | 21.8 | 21.8 | -.9 | 0 0 | 0.0 | 0.0 | 0.0 | 282 | 13.1 | 12.8 | -2.6 | 17801 |
| 90 | 262 | 20.4 | 20.2 | 2.9 | 266 | 15.6 | 15.5 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 275 | 23.4 | 23.3 | -1.8 | 17121 |
| 100 | 298 | 15.1 | 13.4 | -7.0 | 286 | 15.1 | 14.5 | -4.3 | 0 0 | 0.0 | 0.0 | 0.0 | 278 | 15.3 | 15.1 | -2.0 | 16521 |
| 110 | 308 | 20.6 | 16.3 | -12.6 | 302 | 19.9 | 16.9 | -10.4 | 0 0 | 0.0 | 0.0 | 0.0 | 291 | 24.9 | 23.2 | -9.0 | 15978 |
| 120 | 304 | 25.7 | 21.4 | -14.2 | 294 | 23.5 | 21.4 | -9.7 | 0 0 | 0.0 | 0.0 | 0.0 | 279 | 24.9 | 24.6 | -3.9 | 15479 |
| 130 | 293 | 28.6 | 26.2 | -11.3 | 293 | 27.0 | 24.9 | -10.4 | 0 0 | 0.0 | 0.0 | 0.0 | 270 | 28.3 | 28.3 | .2 | 15014 |
| 140 | 279 | 31.8 | 31.4 | -5.0 | 271 | 32.4 | 32.4 | -.4 | 0 0 | 0.0 | 0.0 | 0.0 | 263 | 36.4 | 36.2 | 4.2 | 14578 |
| 150 | 263 | 33.7 | 33.4 | 4.3 | 259 | 28.6 | 28.1 | 5.6 | 0 0 | 0.0 | 0.0 | 0.0 | 256 | 37.9 | 36.7 | 9.2 | 14167 |
| 160 | 263 | 31.4 | 31.2 | 4.0 | 260 | 28.7 | 28.3 | 4.8 | 0 0 | 0.0 | 0.0 | 0.0 | 260 | 37.2 | 36.6 | 6.6 | 13776 |
| 170 | 271 | 30.5 | 30.5 | -.3 | 267 | 32.1 | 32.0 | 1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 265 | 30.8 | 30.6 | 2.8 | 13404 |
| 180 | 266 | 28.1 | 28.1 | 1.9 | 271 | 29.7 | 29.7 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 267 | 32.3 | 32.2 | 1.8 | 13049 |
| 190 | 261 | 24.9 | 24.6 | 4.1 | 277 | 24.4 | 24.2 | -3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 271 | 38.9 | 38.9 | -.8 | 12709 |
| 200 | 262 | 20.5 | 20.2 | 3.0 | 269 | 23.6 | 23.6 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 277 | 34.0 | 33.8 | -3.9 | 12383 |
| 225 | 254 | 17.5 | 16.8 | 4.8 | 261 | 26.1 | 25.8 | 4.2 | 0 0 | 0.0 | 0.0 | 0.0 | 265 | 26.0 | 26.0 | 2.1 | 11617 |
| 250 | 253 | 21.1 | 20.2 | 6.1 | 272 | 18.3 | 18.3 | -.7 | 0 0 | 0.0 | 0.0 | 0.0 | 268 | 28.4 | 28.4 | .8 | 10914 |
| 275 | 266 | 19.1 | 19.0 | 1.4 | 267 | 18.1 | 18.1 | .8 | 0 0 | 0.0 | 0.0 | 0.0 | 266 | 28.0 | 27.9 | 1.8 | 10262 |
| 300 | 260 | 14.9 | 14.7 | 2.5 | 262 | 14.5 | 14.3 | 2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 279 | 24.9 | 24.6 | -3.8 | 9654 |
| 325 | 270 | 8.2 | 8.2 | -.0 | 273 | 7.4 | 7.4 | -.4 | 0 0 | 0.0 | 0.0 | 0.0 | 283 | 19.2 | 18.7 | -4.5 | 9084 |
| 350 | 269 | 11.7 | 11.7 | .2 | 260 | 14.3 | 14.0 | 2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 293 | 17.4 | 16.0 | -6.9 | 8546 |
| 375 | 252 | 16.9 | 16.1 | 5.1 | 250 | 17.9 | 16.8 | 6.1 | 275 | 18.2 | 18.2 | -1.6 | 294 | 19.0 | 17.3 | -7.9 | 8039 |
| 400 | 253 | 18.1 | 17.2 | 5.4 | 270 | 12.9 | 12.9 | .1 | 265 | 17.8 | 17.7 | 1.5 | 273 | 18.3 | 18.3 | -.9 | 7557 |
| 425 | 254 | 18.3 | 17.5 | 5.1 | 261 | 18.2 | 17.9 | 2.9 | 253 | 17.5 | 16.7 | 5.2 | 263 | 17.3 | 17.2 | 2.1 | 7099 |
| 450 | 248 | 16.3 | 15.1 | 6.0 | 244 | 16.0 | 14.4 | 6.9 | 251 | 15.1 | 14.3 | 4.8 | 252 | 14.4 | 13.7 | 4.4 | 6662 |
| 475 | 249 | 12.6 | 11.8 | 4.6 | 252 | 14.6 | 13.9 | 4.6 | 243 | 10.8 | 9.7 | 4.8 | 255 | 12.0 | 11.6 | 3.0 | 6244 |
| 500 | 240 | 10.1 | 8.8 | 5.0 | 247 | 13.0 | 12.0 | 5.1 | 253 | 11.2 | 10.7 | 3.3 | 259 | 10.0 | 9.9 | 1.8 | 5844 |
| 525 | 222 | 9.7 | 6.5 | 7.3 | 234 | 11.7 | 9.4 | 6.9 | 240 | 8.2 | 7.1 | 4.1 | 244 | 6.5 | 5.8 | 2.9 | 5460 |
| 550 | 203 | 7.2 | 2.8 | 6.7 | 210 | 8.1 | 4.1 | 7.0 | 206 | 5.5 | 2.4 | 4.9 | 208 | 4.3 | 2.1 | 3.8 | 5091 |
| 575 | 176 | 6.7 | -.5 | 6.7 | 193 | 7.5 | 1.7 | 7.3 | 186 | 5.3 | .5 | 5.3 | 212 | 4.4 | 2.3 | 3.8 | 4736 |
| 600 | 199 | 6.3 | 2.1 | 5.9 | 203 | 6.5 | 2.6 | 6.0 | 209 | 4.6 | 2.3 | 4.0 | 231 | 4.2 | 3.3 | 2.7 | 4393 |
| 625 | 186 | 3.7 | .4 | 3.7 | 184 | 5.4 | .4 | 5.4 | 188 | 2.9 | .4 | 2.9 | 199 | 2.0 | .7 | 1.9 | 4062 |
| 650 | 127 | 4.7 | -3.8 | 2.8 | 161 | 5.5 | -1.8 | 5.2 | 135 | 3.7 | -2.6 | 2.6 | 151 | 3.3 | -1.6 | 2.9 | 3742 |
| 675 | 85 | 6.3 | -6.3 | -.6 | 138 | 6.7 | -4.5 | 5.0 | 126 | 4.9 | -3.9 | 2.9 | 128 | 6.0 | -4.7 | 3.6 | 3431 |
| 700 | 77 | 7.2 | -7.0 | -1.6 | 115 | 8.7 | -7.9 | 3.7 | 112 | 6.7 | -6.2 | 2.5 | 111 | 8.0 | -7.5 | 2.8 | 3130 |
| 725 | 72 | 6.4 | -6.1 | -2.0 | 106 | 8.1 | -7.8 | 2.3 | 89 | 9.4 | -9.4 | -.2 | 108 | 8.2 | -7.8 | 2.5 | 2837 |
| 750 | 63 | 5.5 | -4.9 | -2.5 | 93 | 8.6 | -8.6 | .5 | 82 | 10.3 | -10.2 | -1.4 | 111 | 8.4 | -7.8 | 2.9 | 2553 |
| 775 | 66 | 6.4 | -5.9 | -2.6 | 89 | 8.9 | -8.9 | -.2 | 79 | 10.0 | -9.8 | -1.9 | 109 | 9.3 | -8.8 | 3.0 | 2276 |
| 800 | 72 | 8.6 | -8.2 | -2.7 | 92 | 9.8 | -9.8 | .3 | 71 | 9.3 | -8.8 | -3.0 | 100 | 10.7 | -10.5 | 1.9 | 2007 |
| 825 | 79 | 9.1 | -9.0 | -1.8 | 85 | 10.6 | -10.6 | -.9 | 61 | 8.8 | -7.7 | -4.3 | 88 | 11.4 | -11.4 | -.5 | 1745 |
| 850 | 86 | 9.4 | -9.4 | -.6 | 75 | 10.6 | -10.3 | -2.7 | 59 | 9.1 | -7.8 | -4.7 | 77 | 10.8 | -10.6 | -2.4 | 1490 |
| 875 | 85 | 10.2 | -10.2 | -.9 | 73 | 10.4 | -9.9 | -3.1 | 65 | 9.7 | -8.8 | -4.2 | 74 | 10.4 | -10.0 | -2.8 | 1242 |
| 900 | 80 | 10.6 | -10.5 | -1.9 | 72 | 10.3 | -9.8 | -3.2 | 69 | 10.3 | -9.6 | -3.6 | 72 | 11.1 | -10.5 | -3.4 | 999 |
| 925 | 78 | 10.3 | -10.0 | -2.1 | 63 | 10.4 | -9.3 | -4.7 | 69 | 10.3 | -9.6 | -3.6 | 66 | 11.6 | -10.6 | -4.7 | 762 |
| 950 | 77 | 8.9 | -8.7 | -2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 66 | 9.9 | -9.1 | -4.0 | 60 | 10.7 | -9.3 | -5.3 | 529 |
| 975 | 65 | 7.9 | -7.2 | -3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 71 | 10.1 | -9.5 | -3.3 | 59 | 8.5 | -7.2 | -4.4 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/21 12 1 GMT | | | | 3/21 1743 GMT | | | | 3/21 2338 GMT | | | | 3/22 555 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 272 | 16.0 | 16.0 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 297 | 19.8 | 17.6 | -9.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 284 | 19.5 | 18.9 | -4.8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 288 | 22.2 | 21.1 | -6.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 280 | 15.2 | 14.9 | -2.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 285 | 24.2 | 23.4 | -6.1 | 0 0 | 0.0 | 0.0 | 0.0 | 303 | 16.7 | 14.0 | -9.0 | 0 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 283 | 27.2 | 26.6 | -5.9 | 0 0 | 0.0 | 0.0 | 0.0 | 296 | 22.0 | 19.7 | -9.8 | 0 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 267 | 31.4 | 31.4 | 1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 296 | 29.4 | 26.4 | -13.0 | 0 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 261 | 37.9 | 37.4 | 6.1 | 0 0 | 0.0 | 0.0 | 0.0 | 286 | 29.9 | 28.7 | -8.5 | 0 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 255 | 35.1 | 34.0 | 9.0 | 0 0 | 0.0 | 0.0 | 0.0 | 278 | 30.7 | 30.4 | -4.3 | 0 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 262 | 36.1 | 35.8 | 5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 269 | 23.3 | 23.3 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 264 | 36.9 | 36.7 | 3.8 | 0 0 | 0.0 | 0.0 | 0.0 | 262 | 29.4 | 29.2 | 4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 266 | 35.9 | 35.9 | 2.6 | 0 0 | 0.0 | 0.0 | 0.0 | 262 | 35.9 | 35.6 | 4.9 | 0 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 269 | 35.5 | 35.5 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 263 | 29.7 | 29.5 | 3.7 | 0 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 273 | 32.9 | 32.8 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 263 | 28.7 | 28.5 | 3.5 | 0 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 264 | 24.7 | 24.6 | 2.8 | 0 0 | 0.0 | 0.0 | 0.0 | 262 | 27.8 | 27.5 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 252 | 29.6 | 28.2 | 8.9 | 0 0 | 0.0 | 0.0 | 0.0 | 255 | 30.7 | 29.6 | 8.1 | 0 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 258 | 28.5 | 27.9 | 5.8 | 0 0 | 0.0 | 0.0 | 0.0 | 260 | 27.0 | 26.6 | 4.8 | 0 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 267 | 25.8 | 25.8 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 267 | 23.2 | 23.2 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 273 | 17.8 | 17.8 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 277 | 19.5 | 19.3 | -2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 291 | 16.9 | 15.8 | -6.0 | 0 0 | 0.0 | 0.0 | 0.0 | 282 | 19.8 | 19.3 | -4.2 | 0 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 290 | 16.9 | 15.9 | -5.7 | 0 0 | 0.0 | 0.0 | 0.0 | 276 | 19.1 | 18.9 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 288 | 15.7 | 14.9 | -4.8 | 275 | 11.9 | 11.8 | -1.1 | 267 | 12.4 | 12.4 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 270 | 17.5 | 17.5 | .0 | 268 | 14.1 | 14.1 | .5 | | | | | 3 258 | 10.9 | 10.6 | 2.2 | 7099 |
| 450 | 255 | 14.0 | 13.5 | 3.5 | 259 | 14.7 | 14.5 | 2.7 | | | | | 3 268 | 9.8 | 9.8 | .3 | 6662 |
| 475 | 264 | 13.3 | 13.2 | 1.5 | 252 | 11.1 | 10.5 | 3.4 | | | | | 256 | 14.4 | 14.0 | 3.6 | 6244 |
| 500 | 258 | 10.3 | 10.1 | 2.1 | 261 | 9.1 | 9.0 | 1.4 | | | | | 253 | 12.2 | 11.7 | 3.6 | 5844 |
| 525 | 241 | 4.7 | 4.1 | 2.3 | 242 | 5.7 | 5.1 | 2.7 | 236 | 7.2 | 6.0 | 4.1 | 255 | 7.2 | 7.0 | 1.8 | 5460 |
| 550 | 198 | 3.4 | 1.1 | 3.3 | 187 | 2.9 | .4 | 2.9 | 241 | 8.0 | 7.0 | 3.9 | 253 | 5.6 | 5.3 | 1.7 | 5091 |
| 575 | 265 | 3.8 | 3.7 | .3 | 196 | 3.6 | 1.0 | 3.4 | 251 | 3.5 | 3.3 | 1.1 | 229 | 1.9 | 1.4 | 1.3 | 4736 |
| 600 | 287 | 3.5 | 3.4 | -1.0 | 289 | 2.2 | 2.1 | -.7 | 288 | 3.6 | 3.5 | -1.1 | 315 | 2.7 | 1.9 | -1.9 | 4393 |
| 625 | 305 | 2.0 | 1.6 | -1.2 | 6 | 3.0 | -.3 | -3.0 | 324 | 3.2 | 1.9 | -2.6 | 320 | 4.5 | 2.8 | -3.4 | 4062 |
| 650 | 41 | 1.4 | -.9 | -1.0 | 50 | 1.3 | -1.0 | -.9 | 322 | 2.7 | 1.7 | -2.2 | 329 | 2.7 | 1.4 | -2.3 | 3742 |
| 675 | 107 | 3.7 | -3.5 | 1.1 | 119 | 2.8 | -2.5 | 1.4 | 230 | .4 | .3 | .3 | 106 | 1.5 | -1.4 | .4 | 3431 |
| 700 | 108 | 6.0 | -5.7 | 1.9 | 115 | 5.3 | -4.8 | 2.2 | 94 | 2.2 | -2.2 | .2 | 103 | 4.1 | -4.0 | 1.0 | 3130 |
| 725 | 102 | 7.1 | -6.9 | 1.4 | 100 | 5.8 | -5.7 | 1.0 | 104 | 3.4 | -3.3 | .9 | 99 | 4.7 | -4.6 | .7 | 2837 |
| 750 | 105 | 6.7 | -6.5 | 1.8 | 87 | 6.7 | -6.7 | -.4 | 104 | 6.0 | -5.9 | 1.5 | 98 | 5.6 | -5.5 | .7 | 2553 |
| 775 | 112 | 7.5 | -6.9 | 2.8 | 84 | 7.8 | -7.8 | -.9 | 93 | 8.2 | -8.2 | .4 | 89 | 6.5 | -6.5 | -.1 | 2276 |
| 800 | 105 | 8.9 | -8.6 | 2.4 | 89 | 8.6 | -8.6 | -.2 | 87 | 7.6 | -7.6 | -.4 | 83 | 6.7 | -6.6 | -.8 | 2007 |
| 825 | 95 | 9.6 | -9.5 | .9 | 84 | 9.4 | -9.4 | -1.0 | 81 | 7.5 | -7.4 | -1.2 | 83 | 7.3 | -7.2 | -.9 | 1745 |
| 850 | 89 | 9.9 | -9.9 | -.1 | 74 | 9.5 | -9.1 | -2.6 | 77 | 8.2 | -8.0 | -1.8 | 85 | 8.4 | -8.4 | -.7 | 1490 |
| 875 | 85 | 9.3 | -9.3 | -.8 | 73 | 8.6 | -8.2 | -2.5 | 75 | 8.3 | -8.0 | -2.1 | 87 | 9.0 | -9.0 | -.5 | 1242 |
| 900 | 81 | 8.9 | -8.8 | -1.4 | 76 | 8.7 | -8.4 | -2.1 | 76 | 8.1 | -7.8 | -1.9 | 86 | 9.4 | -9.4 | -.6 | 999 |
| 925 | 72 | 10.3 | -9.8 | -3.2 | 73 | 9.7 | -9.3 | -2.8 | 77 | 8.3 | -8.1 | -1.8 | 82 | 9.8 | -9.7 | -1.4 | 762 |
| 950 | 64 | 11.1 | -9.9 | -4.9 | 68 | 9.9 | -9.2 | -3.8 | 74 | 8.8 | -8.5 | -2.4 | 76 | 9.2 | -8.9 | -2.3 | 529 |
| 975 | 57 | 10.3 | -8.7 | -5.6 | 65 | 8.7 | -7.9 | -3.6 | 73 | 8.6 | -8.2 | -2.5 | 71 | 7.5 | -7.1 | -2.4 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/22 1145 GMT | | | | 3/22 15 0 GMT | | | | 3/22 1812 GMT | | | | 3/22 2040 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 260 | 15.1 | 14.9 | 2.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 273 | 15.8 | 15.8 | -.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 276 | 17.1 | 17.0 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 285 | 19.2 | 18.5 | -5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 308 | 23.6 | 18.7 | -14.4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 269 | 16.0 | 16.0 | .3 | 16521 |
| 110 | 307 | 23.6 | 18.8 | -14.3 | 311 | 28.4 | 21.5 | -18.6 | 0 0 | 0.0 | 0.0 | 0.0 | 260 | 20.1 | 19.8 | 3.4 | 15978 |
| 120 | 308 | 32.4 | 25.4 | -20.0 | 309 | 32.6 | 25.3 | -20.6 | 0 0 | 0.0 | 0.0 | 0.0 | 307 | 11.5 | 9.1 | -7.0 | 15479 |
| 130 | 298 | 34.8 | 30.8 | -16.3 | 295 | 33.4 | 30.2 | -14.1 | 0 0 | 0.0 | 0.0 | 0.0 | 320 | 20.6 | 13.3 | -15.7 | 15014 |
| 140 | 288 | 31.3 | 29.8 | -9.4 | 284 | 27.3 | 26.5 | -6.8 | 0 0 | 0.0 | 0.0 | 0.0 | 2 328 | 21.8 | 11.6 | -18.4 | 14578 |
| 150 | 279 | 28.1 | 27.7 | -4.2 | 274 | 21.9 | 21.9 | -1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 307 | 29.3 | 23.4 | -17.5 | 14167 |
| 160 | 269 | 24.9 | 24.9 | .5 | 272 | 25.6 | 25.6 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 280 | 20.5 | 20.2 | -3.5 | 13776 |
| 170 | 268 | 28.3 | 28.3 | .8 | 272 | 30.3 | 30.3 | -1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 285 | 26.4 | 25.5 | -6.8 | 13404 |
| 180 | 268 | 31.9 | 31.8 | 1.3 | 270 | 29.3 | 29.3 | -.1 | 0 0 | 0.0 | 0.0 | 0.0 | 284 | 31.2 | 30.2 | -7.6 | 13049 |
| 190 | 264 | 31.6 | 31.4 | 3.4 | 268 | 27.0 | 27.0 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 280 | 33.5 | 32.9 | -6.0 | 12709 |
| 200 | 265 | 30.6 | 30.4 | 2.8 | 268 | 27.7 | 27.7 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 278 | 36.1 | 35.7 | -5.0 | 12383 |
| 225 | 261 | 31.7 | 31.3 | 5.2 | 272 | 31.9 | 31.9 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 265 | 31.9 | 31.7 | 3.0 | 11617 |
| 250 | 252 | 29.2 | 27.7 | 9.1 | 259 | 28.5 | 28.0 | 5.5 | 0 0 | 0.0 | 0.0 | 0.0 | 259 | 26.0 | 25.5 | 5.1 | 10914 |
| 275 | 255 | 24.5 | 23.6 | 6.3 | 259 | 26.3 | 25.8 | 4.8 | 0 0 | 0.0 | 0.0 | 0.0 | 263 | 24.0 | 23.8 | 2.8 | 10262 |
| 300 | 265 | 22.6 | 22.5 | 2.1 | 265 | 22.6 | 22.5 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 3 259 | 18.0 | 17.6 | 3.6 | 9654 |
| 325 | 293 | 17.4 | 16.0 | -6.9 | 275 | 19.0 | 18.9 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 3 269 | 15.6 | 15.6 | .2 | 9084 |
| 350 | 303 | 20.1 | 16.8 | -11.0 | 309 | 16.4 | 12.7 | -10.3 | 0 0 | 0.0 | 0.0 | 0.0 | 304 | 14.9 | 12.4 | -8.3 | 8546 |
| 375 | 280 | 20.4 | 20.0 | -3.7 | 307 | 17.6 | 14.1 | -10.5 | 309 | 15.1 | 11.7 | -9.6 | 310 | 14.2 | 10.9 | -9.1 | 8039 |
| 400 | 269 | 16.9 | 16.9 | .2 | 294 | 18.3 | 16.7 | -7.3 | 300 | 14.7 | 12.7 | -7.3 | 296 | 12.2 | 11.0 | -5.3 | 7557 |
| 425 | 271 | 15.5 | 15.5 | -.3 | 281 | 16.6 | 16.3 | -3.0 | 291 | 15.1 | 14.1 | -5.4 | 278 | 14.2 | 14.1 | -1.9 | 7099 |
| 450 | 260 | 15.1 | 14.9 | 2.6 | 277 | 15.3 | 15.2 | -1.8 | 277 | 14.1 | 14.0 | -1.7 | 278 | 16.3 | 16.1 | -2.3 | 6662 |
| 475 | 264 | 14.2 | 14.2 | 1.6 | 275 | 14.5 | 14.4 | -1.2 | 270 | 13.8 | 13.8 | -.0 | 285 | 14.3 | 13.8 | -3.6 | 6244 |
| 500 | 260 | 10.9 | 10.7 | 2.0 | 266 | 14.5 | 14.4 | 1.1 | 272 | 13.3 | 13.3 | -.4 | 3 275 | 11.2 | 11.2 | -1.0 | 5844 |
| 525 | 278 | 7.9 | 7.8 | -1.1 | 280 | 11.5 | 11.3 | -1.9 | 266 | 9.7 | 9.7 | .6 | 259 | 10.7 | 10.5 | 2.1 | 5460 |
| 550 | 288 | 5.8 | 5.5 | -1.7 | 303 | 10.4 | 8.7 | -5.6 | 286 | 6.5 | 6.3 | -1.8 | 257 | 6.6 | 6.4 | 1.4 | 5091 |
| 575 | 277 | 3.2 | 3.2 | -.4 | 305 | 7.6 | 6.2 | -4.4 | 297 | 5.4 | 4.8 | -2.5 | 288 | 5.6 | 5.4 | -1.7 | 4736 |
| 600 | 293 | 4.9 | 4.5 | -1.9 | 311 | 5.9 | 4.5 | -3.9 | 304 | 7.7 | 6.3 | -4.3 | 286 | 3.9 | 3.8 | -1.1 | 4393 |
| 625 | 313 | 5.4 | 4.0 | -3.7 | 322 | 8.8 | 5.4 | -6.9 | 317 | 9.2 | 6.2 | -6.7 | 298 | 5.1 | 4.5 | -2.4 | 4062 |
| 650 | 320 | 2.5 | 1.6 | -1.9 | 335 | 8.5 | 3.6 | -7.7 | 331 | 6.7 | 3.3 | -5.9 | 307 | 6.5 | 5.2 | -4.0 | 3742 |
| 675 | 123 | 2.2 | -1.8 | 1.2 | 340 | 5.6 | 2.0 | -5.3 | 333 | 2.1 | .9 | -1.9 | 345 | 2.5 | .6 | -2.4 | 3431 |
| 700 | 110 | 5.1 | -4.8 | 1.8 | 327 | 2.1 | 1.1 | -1.7 | 105 | 1.7 | -1.6 | .4 | 110 | 2.8 | -2.6 | .9 | 3130 |
| 725 | 98 | 5.4 | -5.4 | .7 | 93 | .8 | -.8 | .0 | 114 | 4.7 | -4.3 | 1.9 | 128 | 4.1 | -3.3 | 2.5 | 2837 |
| 750 | 80 | 3.6 | -3.6 | -.6 | 74 | 3.0 | -2.9 | -.8 | 115 | 7.6 | -6.9 | 3.2 | 114 | 4.7 | -4.3 | 1.9 | 2553 |
| 775 | 77 | 3.2 | -3.1 | -.7 | 86 | 6.3 | -6.3 | -.5 | 112 | 9.5 | -8.9 | 3.5 | 94 | 5.3 | -5.3 | .4 | 2276 |
| 800 | 89 | 6.4 | -6.4 | -.1 | 107 | 11.0 | -10.5 | 3.2 | 116 | 7.8 | -7.1 | 3.4 | 110 | 7.6 | -7.1 | 2.6 | 2007 |
| 825 | 89 | 8.4 | -8.4 | -.1 | 121 | 14.6 | -12.6 | 7.5 | 125 | 5.9 | -4.8 | 3.4 | 128 | 9.2 | -7.2 | 5.7 | 1745 |
| 850 | 88 | 9.1 | -9.1 | -.4 | 126 | 15.8 | -12.8 | 9.3 | 119 | 8.0 | -7.0 | 3.8 | 121 | 11.7 | -10.0 | 6.1 | 1490 |
| 875 | 86 | 9.6 | -9.5 | -.6 | 126 | 15.9 | -12.9 | 9.3 | 113 | 12.3 | -11.3 | 4.8 | 119 | 13.9 | -12.2 | 6.7 | 1242 |
| 900 | 84 | 10.4 | -10.3 | -1.2 | 127 | 15.7 | -12.6 | 9.4 | 116 | 14.7 | -13.2 | 6.4 | 123 | 13.4 | -11.3 | 7.3 | 999 |
| 925 | 83 | 11.5 | -11.4 | -1.5 | 130 | 14.4 | -11.0 | 9.3 | 122 | 14.0 | -11.8 | 7.4 | 127 | 11.5 | -9.2 | 6.9 | 762 |
| 950 | 86 | 12.0 | -12.0 | -.8 | 135 | 11.7 | -8.3 | 8.2 | 130 | 11.1 | -8.4 | 7.2 | 132 | 9.4 | -7.0 | 6.2 | 529 |
| 975 | 93 | 11.3 | -11.2 | .6 | 141 | 9.3 | -5.9 | 7.2 | 138 | 8.5 | -5.6 | 6.3 | 133 | 8.4 | -6.1 | 5.8 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/23 0 0 GMT | | | | 3/23 3 0 GMT | | | | 3/23 550 GMT | | | | 3/23 850 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 273 | 14.5 | 14.4 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 266 | 18.3 | 18.3 | 1.3 | | 267 | 18.3 | 18.2 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 14.8 | 14.7 | 1.0 | 18589 |
| 80 | | 258 | 17.4 | 17.0 | 3.5 | | 256 | 15.2 | 14.8 | 3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 17.0 | 17.0 | 1.1 | 17801 |
| 90 | | 243 | 17.0 | 15.2 | 7.7 | | 256 | 21.8 | 21.2 | 5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 18.4 | 18.4 | 1.4 | 17121 |
| 100 | | 300 | 14.7 | 12.7 | -7.3 | | 290 | 14.3 | 13.4 | -4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 18.3 | 17.6 | -5.2 | 16521 |
| 110 | | 326 | 20.2 | 11.3 | -16.8 | | 321 | 19.9 | 12.5 | -15.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 25.6 | 22.1 | -12.9 | 15978 |
| 120 | | 315 | 26.0 | 18.3 | -18.5 | | 305 | 33.5 | 27.4 | -19.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 34.6 | 31.7 | -13.8 | 15479 |
| 130 | | 303 | 34.7 | 29.2 | -18.7 | | 290 | 36.8 | 34.7 | -12.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 32.5 | 32.3 | -3.6 | 15014 |
| 140 | | 291 | 34.3 | 32.0 | -12.4 | | 273 | 30.7 | 30.7 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 28.5 | 28.0 | 5.2 | 14578 |
| 150 | | 278 | 31.2 | 30.9 | -4.6 | | 270 | 30.8 | 30.8 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 25.4 | 25.1 | 4.2 | 14167 |
| 160 | | 281 | 27.2 | 26.7 | -5.2 | | 270 | 28.5 | 28.5 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 21.1 | 20.9 | 3.3 | 13776 |
| 170 | | 286 | 27.5 | 26.4 | -7.6 | | 271 | 28.3 | 28.3 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 18.4 | 18.1 | 3.0 | 13404 |
| 180 | | 289 | 27.6 | 26.1 | -8.8 | | 273 | 26.6 | 26.6 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 19.2 | 19.0 | 2.9 | 13049 |
| 190 | | 291 | 27.8 | 25.9 | -10.1 | | 286 | 23.2 | 22.4 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 21.8 | 21.6 | 3.1 | 12709 |
| 200 | | 285 | 28.6 | 27.5 | -7.6 | | 287 | 25.3 | 24.3 | -7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 21.4 | 21.1 | 3.4 | 12383 |
| 225 | | 275 | 19.7 | 19.7 | -1.7 | | 273 | 27.7 | 27.6 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 28.2 | 27.8 | 4.6 | 11617 |
| 250 | | 265 | 16.9 | 16.8 | 1.5 | | 265 | 30.5 | 30.4 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 26.9 | 26.5 | 4.5 | 10914 |
| 275 | | 273 | 16.4 | 16.4 | -.9 | | 269 | 24.4 | 24.4 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 26.5 | 25.9 | 5.6 | 10262 |
| 300 | | 282 | 14.5 | 14.2 | -3.1 | | 264 | 17.8 | 17.7 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 28.2 | 27.8 | 4.4 | 9654 |
| 325 | | 287 | 17.0 | 16.3 | -4.9 | | 281 | 19.8 | 19.4 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 23.8 | 23.7 | -1.6 | 9084 |
| 350 | | 295 | 13.8 | 12.6 | -5.7 | | 293 | 19.0 | 17.5 | -7.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 16.5 | 16.5 | .2 | 8546 |
| 375 | | 283 | 12.4 | 12.1 | -2.7 | | 287 | 17.3 | 16.5 | -5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 12.6 | 12.6 | -.2 | 8039 |
| 400 | | 290 | 9.8 | 9.2 | -3.3 | | 286 | 13.3 | 12.8 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 10.9 | 10.9 | -.8 | 7557 |
| 425 | | 270 | 10.6 | 10.6 | .1 | | 278 | 8.7 | 8.6 | -1.3 | | 272 | 11.7 | 11.7 | -.4 | | 281 | 13.3 | 13.0 | -2.5 | 7099 |
| 450 | | 258 | 11.7 | 11.5 | 2.4 | | 270 | 9.9 | 9.9 | .0 | | 264 | 13.5 | 13.4 | 1.4 | | 267 | 12.7 | 12.7 | .6 | 6662 |
| 475 | | 261 | 13.2 | 13.0 | 2.2 | | 263 | 9.9 | 9.9 | 1.2 | | 285 | 12.1 | 11.7 | -3.1 | | 263 | 12.9 | 12.8 | 1.5 | 6244 |
| 500 | | 256 | 11.7 | 11.3 | 2.9 | | 253 | 12.0 | 11.5 | 3.4 | | 286 | 11.0 | 10.6 | -3.1 | | 274 | 11.3 | 11.3 | -.9 | 5844 |
| 525 | | 259 | 8.3 | 8.2 | 1.6 | | 253 | 8.9 | 8.5 | 2.7 | | 276 | 6.0 | 6.0 | -.6 | | 289 | 5.8 | 5.5 | -1.9 | 5460 |
| 550 | | 261 | 6.0 | 5.9 | .9 | | 265 | 6.2 | 6.2 | .6 | | 298 | 5.4 | 4.8 | -2.6 | | 291 | 3.6 | 3.4 | -1.3 | 5091 |
| 575 | | 277 | 5.9 | 5.9 | -.7 | | 282 | 6.8 | 6.7 | -1.4 | | 317 | 5.3 | 3.6 | -3.9 | | 292 | 6.2 | 5.8 | -2.3 | 4736 |
| 600 | | 276 | 3.8 | 3.8 | -.4 | | 295 | 4.3 | 3.9 | -1.8 | | 311 | 4.8 | 3.7 | -3.2 | | 286 | 6.2 | 6.0 | -1.7 | 4393 |
| 625 | | 299 | 5.6 | 4.9 | -2.7 | | 312 | 5.8 | 4.3 | -3.9 | | 320 | 4.0 | 2.6 | -3.0 | | 284 | 4.2 | 4.1 | -1.1 | 4062 |
| 650 | | 302 | 5.7 | 4.8 | -3.1 | | 314 | 4.9 | 3.5 | -3.4 | | 316 | 1.5 | 1.0 | -1.1 | | 125 | .2 | -.2 | .1 | 3742 |
| 675 | | 291 | 1.6 | 1.5 | -.6 | | 343 | 1.9 | .5 | -1.8 | | 132 | 1.7 | -1.3 | 1.1 | | 135 | 2.5 | -1.8 | 1.7 | 3431 |
| 700 | | 124 | 3.2 | -2.7 | 1.8 | | 130 | 2.4 | -1.8 | 1.5 | | 143 | 3.7 | -2.2 | 2.9 | | 148 | 2.5 | -1.3 | 2.1 | 3130 |
| 725 | | 111 | 3.2 | -3.0 | 1.1 | | 141 | 4.3 | -2.7 | 3.3 | | 113 | 4.5 | -4.2 | 1.8 | | 125 | 5.3 | -4.4 | 3.0 | 2837 |
| 750 | | 110 | 3.3 | -3.1 | 1.1 | | 135 | 4.6 | -3.3 | 3.2 | | 117 | 9.0 | -8.0 | 4.1 | | 120 | 10.3 | -8.9 | 5.1 | 2553 |
| 775 | | 131 | 5.3 | -4.0 | 3.4 | | 141 | 6.9 | -4.3 | 5.4 | | 117 | 10.5 | -9.4 | 4.8 | | 119 | 11.9 | -10.4 | 5.8 | 2276 |
| 800 | | 136 | 9.1 | -6.3 | 6.6 | | 131 | 10.1 | -7.6 | 6.6 | | 115 | 11.7 | -10.7 | 4.9 | | 107 | 10.5 | -10.0 | 3.1 | 2007 |
| 825 | | 126 | 11.6 | -9.5 | 6.8 | | 118 | 11.6 | -10.3 | 5.4 | | 114 | 12.7 | -11.6 | 5.1 | | 89 | 11.7 | -11.7 | -.2 | 1745 |
| 850 | | 110 | 12.8 | -12.0 | 4.5 | | 107 | 12.5 | -11.9 | 3.6 | | 110 | 12.2 | -11.5 | 4.1 | | 89 | 14.4 | -14.4 | -.4 | 1490 |
| 875 | | 102 | 13.5 | -13.2 | 2.9 | | 103 | 13.6 | -13.2 | 3.1 | | 104 | 11.7 | -11.4 | 2.8 | | 91 | 14.9 | -14.9 | .2 | 1242 |
| 900 | | 100 | 12.8 | -12.6 | 2.2 | | 104 | 13.0 | -12.6 | 3.2 | | 100 | 11.8 | -11.7 | 2.0 | | 93 | 13.3 | -13.3 | .7 | 999 |
| 925 | | 102 | 10.7 | -10.4 | 2.3 | | 107 | 10.9 | -10.4 | 3.2 | | 101 | 10.5 | -10.3 | 2.0 | | 96 | 11.1 | -11.0 | 1.2 | 762 |
| 950 | | 110 | 8.4 | -7.9 | 2.9 | | 114 | 9.2 | -8.4 | 3.8 | | 107 | 8.4 | -8.1 | 2.4 | | 102 | 9.3 | -9.1 | 1.9 | 529 |
| 975 | | 121 | 7.4 | -6.3 | 3.9 | | 114 | 8.4 | -7.6 | 3.4 | | 113 | 7.7 | -7.1 | 3.0 | | 108 | 8.0 | -7.6 | 2.5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/23 12 0 GMT | | | | 3/23 1455 GMT | | | | 3/23 1751 GMT | | | | 3/23 2030 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 264 | 13.7 | 13.6 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 264 | 14.8 | 14.7 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 20.9 | 20.0 | 6.1 | 18589 |
| 80 | | 264 | 15.8 | 15.7 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 13.8 | 13.3 | 3.6 | 17801 |
| 90 | | 263 | 17.8 | 17.7 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 246 | 15.5 | 14.1 | 6.2 | 17121 |
| 100 | | 285 | 19.1 | 18.5 | -5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 13.8 | 13.8 | -1.2 | 16521 |
| 110 | | 306 | 23.6 | 19.1 | -13.8 | | 294 | 31.3 | 28.5 | -12.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 305 | 22.2 | 18.2 | -12.7 | 15978 |
| 120 | | 293 | 31.6 | 29.0 | -12.4 | | 291 | 34.5 | 32.1 | -12.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 33.9 | 30.5 | -14.7 | 15479 |
| 130 | | 273 | 37.1 | 37.0 | -2.3 | | 287 | 29.1 | 27.8 | -8.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 36.6 | 36.3 | -5.1 | 15014 |
| 140 | 3 | 262 | 35.3 | 35.0 | 5.1 | | 275 | 28.4 | 28.3 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 36.1 | 36.1 | .4 | 14578 |
| 150 | 2 | 257 | 29.7 | 28.9 | 6.8 | | 264 | 31.0 | 30.8 | 3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 32.9 | 32.8 | 3.2 | 14167 |
| 160 | | 257 | 25.9 | 25.3 | 5.7 | | 257 | 29.8 | 29.0 | 6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 30.9 | 30.1 | 6.9 | 13776 |
| 170 | | 258 | 22.7 | 22.3 | 4.6 | | 255 | 29.6 | 28.6 | 7.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 33.7 | 32.5 | 8.8 | 13404 |
| 180 | | 258 | 20.7 | 20.3 | 4.3 | | 253 | 28.2 | 27.0 | 8.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 34.4 | 33.5 | 7.6 | 13049 |
| 190 | | 257 | 21.0 | 20.5 | 4.6 | | 253 | 24.0 | 23.0 | 7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 34.2 | 33.6 | 6.1 | 12709 |
| 200 | | 258 | 21.9 | 21.4 | 4.7 | | 255 | 20.3 | 19.6 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 35.6 | 35.1 | 5.8 | 12383 |
| 225 | | 265 | 24.1 | 24.0 | 2.2 | | 255 | 30.7 | 29.7 | 7.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 26.9 | 25.7 | 8.1 | 11617 |
| 250 | | 267 | 30.6 | 30.5 | 1.4 | | 255 | 27.6 | 26.7 | 6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 27.1 | 26.2 | 6.9 | 10914 |
| 275 | | 259 | 29.5 | 28.9 | 5.8 | | 256 | 28.0 | 27.2 | 6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 30.0 | 29.1 | 7.1 | 10262 |
| 300 | | 257 | 31.1 | 30.3 | 7.0 | | 259 | 29.4 | 28.8 | 5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 29.1 | 29.1 | .7 | 9654 |
| 325 | 2 | 258 | 24.1 | 23.6 | 5.0 | | 273 | 23.2 | 23.1 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 20.4 | 20.2 | -2.6 | 9084 |
| 350 | | 279 | 20.5 | 20.2 | -3.1 | | 279 | 17.5 | 17.3 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 15.4 | 15.4 | .7 | 8546 |
| 375 | | 259 | 12.1 | 11.9 | 2.3 | | 261 | 14.2 | 14.0 | 2.3 | | 282 | 12.7 | 12.5 | -2.6 | | 269 | 11.2 | 11.2 | .2 | 8039 |
| 400 | | 272 | 11.5 | 11.5 | -.4 | | 263 | 10.8 | 10.7 | 1.3 | | 278 | 12.1 | 12.0 | -1.6 | | 275 | 10.8 | 10.8 | -1.0 | 7557 |
| 425 | | 271 | 13.0 | 13.0 | -.3 | | 271 | 12.0 | 12.0 | -.3 | | 276 | 10.9 | 10.9 | -1.1 | | 275 | 11.9 | 11.9 | -1.1 | 7099 |
| 450 | | 268 | 13.0 | 13.0 | .5 | | 269 | 12.1 | 12.1 | .2 | | 277 | 10.5 | 10.5 | -1.2 | | 273 | 11.9 | 11.8 | -.6 | 6662 |
| 475 | | 258 | 12.6 | 12.4 | 2.7 | | 258 | 10.7 | 10.4 | 2.3 | | 270 | 8.9 | 8.9 | -.0 | | 270 | 10.7 | 10.7 | -.0 | 6244 |
| 500 | | 257 | 12.1 | 11.7 | 2.7 | | 262 | 10.1 | 10.0 | 1.4 | | 276 | 8.4 | 8.4 | -.9 | | 269 | 8.2 | 8.2 | .2 | 5844 |
| 525 | | 264 | 7.5 | 7.4 | .8 | | 264 | 6.9 | 6.8 | .7 | | 278 | 7.0 | 7.0 | -1.0 | 2 | 266 | 8.0 | 8.0 | .5 | 5460 |
| 550 | | 285 | 5.1 | 4.9 | -1.3 | | 267 | 2.5 | 2.5 | .1 | | 281 | 3.8 | 3.7 | -.7 | 3 | 257 | 4.1 | 3.9 | .9 | 5091 |
| 575 | | 288 | 6.1 | 5.8 | -1.8 | | 266 | 1.6 | 1.6 | .1 | | 356 | 1.8 | .1 | -1.8 | | 229 | .5 | .4 | .4 | 4736 |
| 600 | | 298 | 5.8 | 5.1 | -2.7 | | 292 | 3.8 | 3.5 | -1.4 | | 328 | 1.3 | .7 | -1.1 | | 297 | .5 | .5 | -.2 | 4393 |
| 625 | | 295 | 5.7 | 5.2 | -2.5 | | 314 | 2.1 | 1.5 | -1.4 | | 322 | 3.0 | 1.8 | -2.3 | | 92 | 1.9 | -1.9 | .1 | 4062 |
| 650 | | 286 | 1.8 | 1.7 | -.5 | | 100 | 3.7 | -3.7 | .6 | | 50 | 2.4 | -1.8 | -1.5 | | 106 | 5.6 | -5.4 | 1.6 | 3742 |
| 675 | | 110 | 2.8 | -2.6 | .9 | | 110 | 6.3 | -5.9 | 2.1 | | 104 | 4.7 | -4.6 | 1.1 | | 109 | 5.3 | -5.0 | 1.8 | 3431 |
| 700 | | 114 | 7.6 | -6.9 | 3.1 | | 116 | 5.4 | -4.8 | 2.3 | | 109 | 8.4 | -8.0 | 2.8 | | 111 | 7.5 | -7.0 | 2.7 | 3130 |
| 725 | | 117 | 10.1 | -9.0 | 4.6 | | 118 | 6.5 | -5.8 | 3.1 | | 104 | 9.5 | -9.2 | 2.3 | | 108 | 10.2 | -9.7 | 3.2 | 2837 |
| 750 | | 110 | 10.8 | -10.1 | 3.7 | | 112 | 9.0 | -8.4 | 3.3 | | 93 | 7.9 | -7.9 | .4 | | 101 | 12.1 | -11.9 | 2.4 | 2553 |
| 775 | | 101 | 13.1 | -12.8 | 2.5 | | 111 | 8.5 | -8.0 | 3.0 | | 79 | 7.4 | -7.3 | -1.4 | | 103 | 13.2 | -12.9 | 3.0 | 2276 |
| 800 | | 101 | 13.4 | -13.1 | 2.6 | | 122 | 6.9 | -5.9 | 3.7 | | 84 | 6.2 | -6.2 | -.6 | | 102 | 11.5 | -11.2 | 2.3 | 2007 |
| 825 | | 105 | 12.2 | -11.8 | 3.1 | | 127 | 6.2 | -4.9 | 3.7 | | 105 | 7.1 | -6.8 | 1.9 | | 91 | 10.3 | -10.3 | .2 | 1745 |
| 850 | | 105 | 11.3 | -10.9 | 2.9 | | 127 | 5.8 | -4.7 | 3.4 | | 114 | 10.4 | -9.5 | 4.2 | | 81 | 10.9 | -10.8 | -1.7 | 1490 |
| 875 | | 102 | 10.3 | -10.1 | 2.1 | | 122 | 5.6 | -4.7 | 3.0 | | 119 | 12.1 | -10.6 | 5.8 | | 81 | 11.6 | -11.5 | -1.7 | 1242 |
| 900 | | 100 | 9.4 | -9.2 | 1.6 | | 118 | 5.4 | -4.8 | 2.6 | | 123 | 11.8 | -9.9 | 6.3 | | 92 | 12.1 | -12.1 | .5 | 999 |
| 925 | | 103 | 8.9 | -8.7 | 2.1 | | 116 | 5.2 | -4.7 | 2.2 | | 127 | 10.2 | -8.2 | 6.0 | | 106 | 11.9 | -11.4 | 3.3 | 762 |
| 950 | | 109 | 8.3 | -7.9 | 2.8 | | 116 | 4.7 | -4.2 | 2.0 | | 130 | 9.0 | -6.9 | 5.8 | | 120 | 10.5 | -9.1 | 5.2 | 529 |
| 975 | | 112 | 7.0 | -6.5 | 2.6 | | 117 | 4.0 | -3.5 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 129 | 9.6 | -7.5 | 6.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/24 020 GMT | | | | 3/24 255 GMT | | | | 3/24 6 0 GMT | | | | 3/24 1215 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 12.1 | 12.1 | 1.1 | 19517 |
| 70 | | 255 | 19.2 | 18.5 | 5.1 | | 254 | 17.9 | 17.2 | 4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 16.6 | 16.5 | 2.2 | 18589 |
| 80 | | 244 | 17.2 | 15.4 | 7.5 | | 240 | 16.4 | 14.1 | 8.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 233 | 13.9 | 11.1 | 8.3 | 17801 |
| 90 | | 257 | 12.3 | 12.1 | 2.7 | | 242 | 14.3 | 12.7 | 6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 252 | 13.8 | 13.2 | 4.2 | 17121 |
| 100 | | 310 | 13.3 | 10.2 | -8.6 | | 264 | 8.2 | 8.2 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 16.1 | 16.1 | -1.0 | 16521 |
| 110 | | 306 | 25.2 | 20.4 | -14.9 | | 308 | 17.3 | 13.6 | -10.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 20.2 | 19.2 | -6.2 | 15978 |
| 120 | | 287 | 33.7 | 32.2 | -10.1 | | 296 | 28.9 | 26.1 | -12.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 22.8 | 22.0 | -6.2 | 15479 |
| 130 | | 272 | 33.0 | 32.9 | -1.4 | | 275 | 34.9 | 34.8 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 24.6 | 24.6 | -1.4 | 15014 |
| 140 | | 264 | 32.3 | 32.2 | 3.2 | | 271 | 31.9 | 31.9 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 26.7 | 26.6 | 2.8 | 14578 |
| 150 | | 263 | 33.1 | 32.8 | 4.0 | | 273 | 35.0 | 35.0 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 25.4 | 25.2 | 3.5 | 14167 |
| 160 | | 260 | 32.2 | 31.7 | 5.7 | | 269 | 34.1 | 34.1 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 22.7 | 22.5 | 3.2 | 13776 |
| 170 | | 256 | 29.6 | 28.7 | 7.3 | | 264 | 29.9 | 29.8 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 22.5 | 22.3 | 2.8 | 13404 |
| 180 | | 256 | 31.5 | 30.5 | 7.8 | | 261 | 31.4 | 31.0 | 4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 23.5 | 23.4 | 2.4 | 13049 |
| 190 | | 258 | 30.7 | 30.1 | 6.3 | | 259 | 34.6 | 34.0 | 6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 24.0 | 24.0 | 1.0 | 12709 |
| 200 | | 260 | 29.6 | 29.2 | 5.4 | | 261 | 34.7 | 34.3 | 5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 24.8 | 24.8 | .1 | 12383 |
| 225 | | 256 | 25.0 | 24.2 | 6.3 | | 270 | 29.2 | 29.2 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 23.5 | 23.4 | 1.4 | 11617 |
| 250 | | 259 | 25.9 | 25.4 | 4.8 | | 263 | 26.7 | 26.6 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 22.9 | 22.9 | 1.4 | 10914 |
| 275 | | 261 | 27.2 | 26.9 | 4.1 | | 271 | 25.9 | 25.9 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 21.1 | 21.1 | -.1 | 10262 |
| 300 | | 263 | 28.1 | 27.9 | 3.6 | | 273 | 27.6 | 27.6 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 17.8 | 17.4 | -3.7 | 9654 |
| 325 | | 276 | 21.3 | 21.1 | -2.4 | | 277 | 25.4 | 25.2 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 17.1 | 17.1 | -.8 | 9084 |
| 350 | | 282 | 11.7 | 11.4 | -2.4 | | 281 | 17.5 | 17.2 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 18.1 | 18.0 | -1.3 | 8546 |
| 375 | | 279 | 13.8 | 13.6 | -2.1 | | 277 | 14.9 | 14.8 | -1.8 | | | | | | | 285 | 17.9 | 17.3 | -4.8 | 8039 |
| 400 | | 261 | 14.9 | 14.7 | 2.3 | | 265 | 14.7 | 14.6 | 1.2 | | | | | | | 300 | 16.0 | 13.9 | -8.0 | 7557 |
| 425 | | 271 | 9.8 | 9.8 | -.1 | | 260 | 12.6 | 12.4 | 2.1 | | 259 | 16.1 | 15.8 | 3.0 | | 278 | 13.1 | 12.9 | -1.9 | 7099 |
| 450 | | 277 | 7.9 | 7.8 | -1.0 | | 266 | 10.4 | 10.3 | .7 | | 261 | 12.4 | 12.2 | 1.9 | | 256 | 16.4 | 15.9 | 4.0 | 6662 |
| 475 | | 261 | 5.4 | 5.3 | .8 | | 277 | 7.9 | 7.8 | -.9 | | 250 | 9.8 | 9.2 | 3.4 | | 263 | 14.9 | 14.8 | 1.7 | 6244 |
| 500 | | 267 | 6.1 | 6.1 | .4 | | 282 | 6.6 | 6.5 | -1.3 | | 256 | 10.3 | 10.0 | 2.5 | | 261 | 12.1 | 12.0 | 2.0 | 5844 |
| 525 | | 263 | 7.3 | 7.2 | .9 | | 288 | 7.0 | 6.6 | -2.2 | | 256 | 10.2 | 9.9 | 2.5 | | 246 | 7.6 | 6.9 | 3.1 | 5460 |
| 550 | | 258 | 3.8 | 3.7 | .8 | | 294 | 6.9 | 6.2 | -2.8 | | 236 | 6.3 | 5.3 | 3.6 | | 161 | 2.5 | -.8 | 2.4 | 5091 |
| 575 | | 96 | 1.1 | -1.1 | .1 | | 307 | 3.2 | 2.6 | -1.9 | | 177 | 4.0 | -.2 | 3.9 | | 119 | 5.9 | -5.2 | 2.8 | 4736 |
| 600 | | 107 | 1.7 | -1.7 | .5 | | 36 | .9 | -.5 | -.7 | | 148 | 5.2 | -2.8 | 4.4 | | 132 | 5.9 | -4.4 | 4.0 | 4393 |
| 625 | | 97 | 4.6 | -4.6 | .6 | | 71 | 1.5 | -1.4 | -.5 | | 127 | 8.8 | -7.0 | 5.3 | | 158 | 3.7 | -1.4 | 3.4 | 4062 |
| 650 | | 107 | 5.3 | -5.1 | 1.5 | | 104 | .8 | -.8 | .2 | | 112 | 10.6 | -9.8 | 4.0 | | 135 | 5.2 | -3.7 | 3.7 | 3742 |
| 675 | | 121 | 5.9 | -5.0 | 3.0 | | 153 | 3.5 | -1.6 | 3.1 | | 108 | 10.2 | -9.7 | 3.2 | | 121 | 9.3 | -8.0 | 4.7 | 3431 |
| 700 | | 105 | 9.2 | -8.9 | 2.4 | | 126 | 4.6 | -3.8 | 2.7 | | 112 | 11.5 | -10.7 | 4.3 | | 116 | 10.1 | -9.1 | 4.4 | 3130 |
| 725 | | 95 | 11.7 | -11.6 | 1.1 | | 103 | 5.9 | -5.8 | 1.3 | | 108 | 12.7 | -12.1 | 4.0 | | 106 | 10.1 | -9.8 | 2.7 | 2837 |
| 750 | | 100 | 11.8 | -11.6 | 2.1 | | 105 | 6.2 | -6.0 | 1.6 | | 104 | 12.2 | -11.8 | 2.9 | | 98 | 11.6 | -11.5 | 1.5 | 2553 |
| 775 | | 103 | 11.0 | -10.8 | 2.5 | | 108 | 5.8 | -5.5 | 1.8 | | 101 | 11.4 | -11.2 | 2.1 | | 96 | 12.5 | -12.4 | 1.2 | 2276 |
| 800 | | 89 | 9.2 | -9.2 | -.1 | | 110 | 6.5 | -6.2 | 2.2 | | 98 | 12.3 | -12.1 | 1.7 | | 99 | 12.4 | -12.3 | 1.9 | 2007 |
| 825 | | 91 | 8.7 | -8.7 | .1 | | 112 | 8.0 | -7.4 | 3.0 | | 98 | 12.3 | -12.1 | 1.7 | | 105 | 12.3 | -11.9 | 3.3 | 1745 |
| 850 | | 100 | 9.0 | -8.9 | 1.5 | | 116 | 9.1 | -8.2 | 4.0 | | 102 | 11.2 | -11.0 | 2.4 | | 105 | 12.4 | -12.0 | 3.1 | 1490 |
| 875 | | 103 | 9.3 | -9.1 | 2.1 | | 113 | 10.8 | -10.0 | 4.2 | | 108 | 10.7 | -10.2 | 3.3 | | 98 | 11.5 | -11.4 | 1.5 | 1242 |
| 900 | | 107 | 9.0 | -8.6 | 2.7 | | 110 | 12.1 | -11.4 | 4.2 | | 110 | 10.9 | -10.2 | 3.8 | | 100 | 9.2 | -9.1 | 1.5 | 999 |
| 925 | | 114 | 8.1 | -7.4 | 3.3 | | 123 | 11.1 | -9.3 | 6.1 | | 115 | 10.1 | -9.2 | 4.2 | | 114 | 7.1 | -6.4 | 2.9 | 762 |
| 950 | | 124 | 7.3 | -6.1 | 4.1 | | 143 | 10.0 | -6.0 | 7.9 | | 123 | 8.4 | -7.0 | 4.6 | | 131 | 5.6 | -4.3 | 3.7 | 529 |
| 975 | | 133 | 7.7 | -5.6 | 5.2 | | 135 | 9.5 | -6.7 | 6.7 | | 131 | 6.7 | -5.1 | 4.4 | | 135 | 3.8 | -2.7 | 2.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/24 18 2 GMT | | | | | 3/25 1 0 GMT | | | | | 3/25 615 GMT | | | | | 3/25 1239 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 12.5 | 11.8 | 4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 16.6 | 16.0 | -4.5 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 11.9 | 11.1 | 4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 12.2 | 12.0 | 1.7 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 247 | 11.3 | 10.4 | 4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 14.9 | 14.7 | 2.4 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 17.7 | 17.2 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 15.4 | 15.3 | 1.6 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 237 | 18.1 | 15.2 | 9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 233 | 16.6 | 13.3 | 9.9 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 14.4 | 14.3 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 12.4 | 12.4 | 1.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 20.5 | 20.0 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 18.2 | 17.8 | -4.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 24.3 | 24.2 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 24.7 | 23.7 | -7.1 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 27.3 | 27.1 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 29.1 | 28.8 | -4.2 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 30.2 | 30.2 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 28.6 | 28.5 | -2.1 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 25.8 | 25.2 | 5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 25.6 | 25.6 | .8 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 25.3 | 23.7 | 8.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 19.4 | 19.3 | 2.7 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 25.9 | 24.5 | 8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 247 | 16.1 | 14.9 | 6.2 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 252 | 24.6 | 23.5 | 7.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 232 | 16.7 | 13.2 | 10.2 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 253 | 24.3 | 23.2 | 7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 235 | 21.8 | 17.8 | 12.7 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 18.3 | 17.5 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 235 | 17.4 | 14.2 | 10.0 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 18.0 | 17.9 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 252 | 16.9 | 16.1 | 5.1 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 20.0 | 19.9 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 19.0 | 19.0 | .8 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 13.5 | 13.5 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 17.9 | 17.6 | -3.3 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 17.1 | 17.0 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 18.5 | 18.4 | -1.9 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 262 | 16.8 | 16.6 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 15.1 | 14.9 | -2.4 | 8546 |
| 375 | | 281 | 14.9 | 14.6 | -2.8 | 3 | 279 | 14.8 | 14.6 | -2.4 | | 274 | 12.2 | 12.1 | -.9 | | 268 | 11.8 | 11.8 | .5 | 8039 |
| 400 | | 298 | 12.9 | 11.4 | -6.0 | | 277 | 10.6 | 10.5 | -1.2 | | 265 | 7.4 | 7.4 | .7 | | 280 | 8.8 | 8.6 | -1.4 | 7557 |
| 425 | 3 | 292 | 11.1 | 10.2 | -4.2 | 3 | 283 | 8.5 | 8.3 | -1.9 | | 280 | 9.2 | 9.0 | -1.5 | | 299 | 8.2 | 7.2 | -4.0 | 7099 |
| 450 | 2 | 272 | 12.9 | 12.9 | -.4 | | 279 | 9.9 | 9.8 | -1.5 | | 285 | 11.1 | 10.7 | -2.9 | | 290 | 9.1 | 8.5 | -3.1 | 6662 |
| 475 | | 272 | 13.2 | 13.2 | -.5 | | 279 | 12.3 | 12.1 | -1.9 | | 290 | 11.3 | 10.6 | -3.8 | | 287 | 10.1 | 9.6 | -3.0 | 6244 |
| 500 | | 285 | 13.5 | 13.1 | -3.4 | | 291 | 13.4 | 12.5 | -4.8 | | 296 | 10.1 | 9.2 | -4.4 | | 283 | 8.5 | 8.3 | -1.9 | 5844 |
| 525 | | 278 | 10.2 | 10.1 | -1.5 | | 309 | 8.3 | 6.4 | -5.2 | | 295 | 6.7 | 6.1 | -2.9 | | 280 | 7.2 | 7.0 | -1.3 | 5460 |
| 550 | | 236 | 3.8 | 3.2 | 2.1 | | 280 | 6.9 | 6.8 | -1.1 | | 278 | 6.9 | 6.8 | -1.0 | | 281 | 4.7 | 4.6 | -.9 | 5091 |
| 575 | | 128 | 6.1 | -4.8 | 3.8 | | 181 | .5 | .0 | .5 | | 254 | .8 | .8 | .2 | | 137 | 3.2 | -2.2 | 2.3 | 4736 |
| 600 | | 122 | 3.1 | -2.6 | 1.6 | | 120 | 4.0 | -3.5 | 2.0 | | 112 | 5.7 | -5.3 | 2.2 | | 123 | 5.6 | -4.7 | 3.1 | 4393 |
| 625 | | 118 | 5.7 | -5.0 | 2.7 | | 140 | 3.5 | -2.2 | 2.7 | | 115 | 5.9 | -5.3 | 2.5 | | 122 | 4.9 | -4.1 | 2.6 | 4062 |
| 650 | | 113 | 8.8 | -8.1 | 3.4 | | 135 | 4.3 | -3.1 | 3.0 | | 106 | 5.4 | -5.2 | 1.5 | | 130 | 5.5 | -4.2 | 3.5 | 3742 |
| 675 | | 106 | 8.9 | -8.5 | 2.5 | | 135 | 4.5 | -3.2 | 3.1 | | 111 | 5.9 | -5.5 | 2.1 | | 136 | 6.8 | -4.7 | 4.9 | 3431 |
| 700 | | 114 | 9.4 | -8.6 | 3.8 | 2 | 140 | 5.8 | -3.7 | 4.5 | | 129 | 7.1 | -5.6 | 4.4 | | 135 | 7.9 | -5.6 | 5.6 | 3130 |
| 725 | | 114 | 10.6 | -9.7 | 4.3 | | 135 | 6.4 | -4.6 | 4.5 | | 132 | 7.3 | -5.4 | 4.9 | | 130 | 7.1 | -5.5 | 4.5 | 2837 |
| 750 | | 103 | 10.7 | -10.4 | 2.4 | | 110 | 7.3 | -6.8 | 2.5 | | 109 | 6.1 | -5.7 | 2.0 | | 123 | 5.8 | -4.9 | 3.2 | 2553 |
| 775 | | 101 | 10.3 | -10.1 | 2.1 | | 95 | 8.2 | -8.1 | .7 | | 95 | 6.3 | -6.3 | .5 | | 129 | 6.3 | -4.9 | 4.0 | 2276 |
| 800 | | 105 | 10.1 | -9.8 | 2.6 | | 87 | 7.2 | -7.2 | -.4 | | 94 | 6.7 | -6.7 | .5 | | 128 | 5.6 | -4.5 | 3.5 | 2007 |
| 825 | | 100 | 10.2 | -10.1 | 1.8 | | 83 | 7.3 | -7.2 | -.9 | | 87 | 6.2 | -6.2 | -.3 | | 115 | 3.8 | -3.5 | 1.6 | 1745 |
| 850 | | 95 | 9.8 | -9.7 | .8 | | 82 | 7.6 | -7.5 | -1.1 | | 81 | 6.2 | -6.1 | -1.0 | | 104 | 3.6 | -3.5 | .9 | 1490 |
| 875 | | 94 | 9.2 | -9.2 | .6 | | 80 | 7.3 | -7.2 | -1.2 | | 82 | 7.1 | -7.0 | -1.0 | | 105 | 4.6 | -4.5 | 1.2 | 1242 |
| 900 | | 94 | 8.9 | -8.9 | .6 | | 85 | 6.8 | -6.7 | -.6 | | 85 | 6.9 | -6.9 | -.7 | | 107 | 4.7 | -4.5 | 1.4 | 999 |
| 925 | | 96 | 6.7 | -6.7 | .7 | | 96 | 6.0 | -6.0 | .6 | | 82 | 5.2 | -5.1 | -.7 | | 102 | 3.6 | -3.5 | .7 | 762 |
| 950 | | 113 | 3.8 | -3.5 | 1.5 | | 106 | 5.2 | -5.0 | 1.4 | | 75 | 3.3 | -3.2 | -.9 | | 82 | 2.6 | -2.6 | -.4 | 529 |
| 975 | | 137 | 3.1 | -2.1 | 2.3 | | 100 | 4.4 | -4.3 | .8 | | 77 | 2.2 | -2.1 | -.5 | | 66 | 3.0 | -2.7 | -1.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| P | 3/25 1520 GMT I | DD | FF | U | V | 3/25 1815 GMT I | DD | FF | U | V | 3/25 2334 GMT I | DD | FF | U | V | 3/26 7 5 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 260 | 13.3 | 13.1 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 12.1 | 12.0 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 260 | 9.5 | 9.4 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 12.5 | 12.3 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 261 | 18.3 | 18.1 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 19.5 | 18.1 | 7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | | 240 | 13.0 | 11.3 | 6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 235 | 20.1 | 16.5 | 11.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | | 256 | 11.3 | 10.9 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 238 | 9.8 | 8.4 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | | 281 | 16.9 | 16.5 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 22.7 | 22.2 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | | 287 | 22.6 | 21.6 | -6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 30.3 | 30.3 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 277 | 24.4 | 24.2 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 30.1 | 30.1 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 268 | 26.3 | 26.3 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 25.2 | 25.2 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 258 | 24.9 | 24.4 | 5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 24.9 | 24.9 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 255 | 20.5 | 19.9 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 23.2 | 22.9 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 256 | 19.2 | 18.6 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 13.9 | 13.0 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 259 | 14.8 | 14.5 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 9.2 | 9.0 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 245 | 14.0 | 12.6 | 6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 243 | 11.1 | 9.9 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 245 | 17.2 | 15.6 | 7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 209 | 17.7 | 8.7 | 15.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 244 | 15.0 | 13.5 | 6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 227 | 16.7 | 12.1 | 11.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | | 268 | 14.6 | 14.6 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 247 | 14.1 | 13.0 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | | 273 | 15.3 | 15.3 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 13.0 | 13.0 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | | 278 | 15.0 | 14.8 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 14.2 | 14.1 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | | 272 | 15.9 | 15.9 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 16.3 | 16.3 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | | 286 | 10.8 | 10.4 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 16.1 | 16.1 | .6 | | 263 | 16.6 | 16.5 | 2.1 | 8039 |
| 400 | 3 | 288 | 10.1 | 9.6 | -3.2 | | 269 | 10.6 | 10.6 | .1 | | 268 | 11.4 | 11.4 | .3 | | 267 | 18.1 | 18.1 | 1.1 | 7557 |
| 425 | | 282 | 10.6 | 10.4 | -2.2 | | 258 | 12.9 | 12.7 | 2.6 | | 264 | 13.3 | 13.2 | 1.5 | | 253 | 10.4 | 9.9 | 3.1 | 7099 |
| 450 | | 304 | 7.0 | 5.8 | -3.9 | | 271 | 10.7 | 10.7 | -.2 | | 264 | 10.9 | 10.9 | 1.1 | | 255 | 10.9 | 10.5 | 2.8 | 6662 |
| 475 | | 302 | 9.0 | 7.6 | -4.7 | | 293 | 8.5 | 7.9 | -3.3 | | 269 | 9.1 | 9.1 | .2 | | 255 | 10.5 | 10.1 | 2.7 | 6244 |
| 500 | | 306 | 7.6 | 6.2 | -4.5 | | 320 | 6.3 | 4.1 | -4.9 | | 274 | 6.7 | 6.7 | -.4 | | 255 | 8.1 | 7.9 | 2.1 | 5844 |
| 525 | | 303 | 4.5 | 3.8 | -2.5 | | 330 | 3.7 | 1.8 | -3.2 | | 309 | 2.8 | 2.2 | -1.8 | | 271 | 6.2 | 6.2 | -.1 | 5460 |
| 550 | | 317 | 3.5 | 2.4 | -2.5 | | 286 | 3.1 | 3.0 | -.9 | | 70 | 3.3 | -3.1 | -1.1 | | 295 | 2.7 | 2.5 | -1.2 | 5091 |
| 575 | | 137 | 2.2 | -1.5 | 1.6 | 1 | 230 | 2.0 | 1.6 | 1.3 | | 344 | 1.9 | .5 | -1.8 | | 26 | 2.8 | -1.2 | -2.5 | 4736 |
| 600 | | 131 | 5.3 | -4.0 | 3.4 | 1 | 159 | 4.0 | -1.4 | 3.7 | | 111 | 2.4 | -2.3 | .9 | | 81 | 3.4 | -3.4 | -.5 | 4393 |
| 625 | | 130 | 5.2 | -4.0 | 3.4 | | 144 | 6.1 | -3.6 | 4.9 | | 124 | 6.7 | -5.5 | 3.7 | | 127 | 8.3 | -6.6 | 5.1 | 4062 |
| 650 | | 138 | 5.4 | -3.6 | 4.0 | | 135 | 7.4 | -5.2 | 5.2 | | 136 | 8.6 | -6.0 | 6.2 | | 132 | 9.8 | -7.3 | 6.6 | 3742 |
| 675 | | 145 | 6.4 | -3.7 | 5.3 | | 133 | 7.6 | -5.5 | 5.2 | | 135 | 8.3 | -5.9 | 5.9 | | 124 | 9.2 | -7.6 | 5.1 | 3431 |
| 700 | | 139 | 5.3 | -3.4 | 4.0 | | 130 | 7.2 | -5.5 | 4.6 | | 132 | 8.1 | -6.0 | 5.4 | | 122 | 10.1 | -8.5 | 5.4 | 3130 |
| 725 | | 126 | 4.5 | -3.6 | 2.6 | | 114 | 7.5 | -6.8 | 3.0 | | 134 | 8.4 | -6.0 | 5.9 | | 121 | 9.6 | -8.2 | 5.0 | 2837 |
| 750 | | 107 | 4.2 | -4.0 | 1.2 | | 101 | 6.5 | -6.4 | 1.2 | | 104 | 6.7 | -6.5 | 1.6 | | 103 | 8.9 | -8.6 | 2.0 | 2553 |
| 775 | | 100 | 4.2 | -4.1 | .7 | 2 | 101 | 5.7 | -5.6 | 1.1 | | 88 | 7.4 | -7.4 | -.3 | | 80 | 8.4 | -8.3 | -1.5 | 2276 |
| 800 | | 114 | 4.7 | -4.3 | 1.9 | 3 | 99 | 5.5 | -5.4 | .8 | | 92 | 8.0 | -8.0 | .3 | | 72 | 7.8 | -7.4 | -2.4 | 2007 |
| 825 | | 123 | 5.5 | -4.6 | 3.0 | | 101 | 5.1 | -5.0 | .9 | | 100 | 8.5 | -8.3 | 1.5 | | 79 | 8.8 | -8.6 | -1.6 | 1745 |
| 850 | | 127 | 5.7 | -4.5 | 3.4 | | 108 | 5.1 | -4.8 | 1.6 | | 94 | 8.9 | -8.9 | .6 | | 80 | 10.0 | -9.9 | -1.8 | 1490 |
| 875 | | 134 | 5.4 | -3.9 | 3.7 | | 107 | 6.2 | -5.9 | 1.8 | | 85 | 8.5 | -8.5 | -.8 | | 81 | 11.2 | -11.0 | -1.8 | 1242 |
| 900 | | 142 | 4.9 | -3.0 | 3.9 | | 104 | 8.0 | -7.8 | 1.9 | | 84 | 7.9 | -7.8 | -.8 | | 86 | 12.2 | -12.2 | -.8 | 999 |
| 925 | | 144 | 4.7 | -2.8 | 3.8 | 3 | 108 | 8.5 | -8.1 | 2.7 | | 91 | 7.3 | -7.3 | .2 | | 88 | 12.3 | -12.3 | -.4 | 762 |
| 950 | | 145 | 4.7 | -2.7 | 3.9 | | 119 | 7.8 | -6.8 | 3.8 | | 103 | 7.1 | -6.9 | 1.5 | | 84 | 11.4 | -11.3 | -1.2 | 529 |
| 975 | | 153 | 4.3 | -1.9 | 3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 113 | 6.8 | -6.2 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/26 950 GMT | | | | 3/27 153 GMT | | | | 3/27 6 0 GMT | | | | 3/27 1155 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 15.2 | 14.9 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 5.8 | 5.4 | -2.1 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 3.1 | 3.1 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 8.6 | 8.4 | -1.6 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 13.5 | 13.5 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 15.1 | 15.1 | .4 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 15.3 | 14.6 | 4.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 235 | 15.4 | 12.6 | 8.9 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 239 | 26.2 | 22.5 | 13.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 237 | 19.9 | 16.7 | 10.8 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 16.4 | 16.0 | 3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 239 | 12.9 | 11.1 | 6.6 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 15.2 | 14.4 | -5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 7.3 | 7.1 | -1.4 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 307 | 25.2 | 20.1 | -15.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 309 | 16.6 | 12.9 | -10.4 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 24.4 | 22.9 | -8.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 20.8 | 18.6 | -9.3 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 29.0 | 28.4 | -6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 22.1 | 21.5 | -5.3 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 30.6 | 30.0 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 23.5 | 23.3 | -2.7 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 33.0 | 32.0 | -7.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 26.6 | 26.2 | -4.2 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 31.7 | 30.6 | -7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 31.7 | 30.2 | -9.4 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 27.0 | 26.3 | -5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 35.5 | 33.1 | -12.8 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 23.3 | 23.1 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 34.8 | 33.1 | -10.9 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 17.7 | 17.7 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 24.7 | 23.1 | -8.8 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 288 | 10.6 | 10.0 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 19.1 | 18.9 | -2.8 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 301 | 7.9 | 6.7 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 10.8 | 9.5 | -5.2 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 9.4 | 8.3 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 318 | 8.0 | 5.3 | -5.9 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 4.2 | 3.7 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 315 | 8.6 | 6.1 | -6.1 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 1.6 | 1.1 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 328 | 7.2 | 3.9 | -6.1 | 8546 |
| 375 | | 264 | 14.5 | 14.4 | 1.4 | | 281 | 4.1 | 4.0 | -.8 | | 316 | 4.1 | 2.9 | -2.9 | | | | | | 8039 |
| 400 | | 264 | 15.0 | 14.9 | 1.6 | 2 | 272 | 4.8 | 4.8 | -.2 | | 282 | 5.5 | 5.4 | -1.1 | | | | | | 7557 |
| 425 | | 260 | 10.0 | 9.9 | 1.7 | 1 | 264 | 5.7 | 5.7 | .6 | | 264 | 7.9 | 7.8 | .9 | | | | | | 7099 |
| 450 | | 256 | 10.4 | 10.1 | 2.6 | | 262 | 11.9 | 11.7 | 1.7 | | 266 | 8.0 | 8.0 | .5 | | 266 | 6.8 | 6.8 | .4 | 6662 |
| 475 | | 258 | 10.3 | 10.0 | 2.2 | | 249 | 9.0 | 8.4 | 3.3 | | 254 | 8.5 | 8.2 | 2.3 | | 271 | 7.5 | 7.5 | -.1 | 6244 |
| 500 | | 260 | 8.1 | 8.0 | 1.4 | | 260 | 4.8 | 4.8 | .8 | | 263 | 3.1 | 3.1 | .4 | 2 | 301 | 4.0 | 3.4 | -2.1 | 5844 |
| 525 | | 270 | 6.0 | 6.0 | .0 | 3 | 281 | 5.8 | 5.7 | -1.1 | | 320 | 4.3 | 2.7 | -3.3 | | 334 | 5.6 | 2.5 | -5.0 | 5460 |
| 550 | | 283 | 3.2 | 3.2 | -.7 | 3 | 320 | 3.1 | 2.0 | -2.4 | | 322 | 4.5 | 2.8 | -3.6 | | 350 | 6.0 | 1.1 | -5.9 | 5091 |
| 575 | | 334 | 1.7 | .8 | -1.6 | 2 | 37 | 3.5 | -2.1 | -2.8 | | 33 | 4.7 | -2.6 | -3.9 | | 43 | 6.5 | -4.4 | -4.7 | 4736 |
| 600 | | 84 | 2.2 | -2.2 | -.2 | 1 | 63 | 4.8 | -4.3 | -2.2 | | 48 | 7.4 | -5.4 | -5.0 | | 71 | 9.5 | -9.0 | -3.1 | 4393 |
| 625 | | 132 | 7.1 | -5.3 | 4.7 | 2 | 78 | 5.6 | -5.5 | -1.2 | | 82 | 9.1 | -9.0 | -1.3 | | 75 | 10.8 | -10.4 | -2.8 | 4062 |
| 650 | | 128 | 9.6 | -7.5 | 5.9 | 2 | 96 | 7.9 | -7.9 | .9 | | 106 | 10.9 | -10.4 | 3.0 | | 100 | 8.6 | -8.5 | 1.5 | 3742 |
| 675 | | 123 | 10.3 | -8.7 | 5.6 | 1 | 100 | 10.0 | -9.9 | 1.8 | | 108 | 11.1 | -10.5 | 3.5 | | 109 | 10.3 | -9.8 | 3.3 | 3431 |
| 700 | | 125 | 11.1 | -9.1 | 6.3 | 0 | 99 | 11.4 | -11.3 | 1.9 | | 94 | 11.4 | -11.4 | .8 | | 95 | 11.1 | -11.1 | .9 | 3130 |
| 725 | | 120 | 10.3 | -8.9 | 5.2 | 1 | 94 | 11.6 | -11.6 | .7 | | 92 | 11.2 | -11.2 | .4 | | 93 | 11.3 | -11.3 | .5 | 2837 |
| 750 | | 105 | 8.9 | -8.6 | 2.3 | 3 | 89 | 11.1 | -11.1 | -.3 | | 99 | 12.0 | -11.9 | 1.9 | | 95 | 14.1 | -14.1 | 1.3 | 2553 |
| 775 | | 90 | 9.5 | -9.5 | -.0 | 3 | 86 | 11.2 | -11.2 | -.7 | | 105 | 13.0 | -12.5 | 3.3 | | 95 | 15.8 | -15.8 | 1.3 | 2276 |
| 800 | | 82 | 10.4 | -10.3 | -1.4 | 2 | 86 | 11.3 | -11.3 | -.8 | | 109 | 12.6 | -11.9 | 4.0 | | 92 | 15.0 | -15.0 | .5 | 2007 |
| 825 | | 81 | 10.1 | -10.0 | -1.6 | 1 | 88 | 11.5 | -11.5 | -.4 | | 98 | 11.2 | -11.1 | 1.6 | | 85 | 12.0 | -12.0 | -1.0 | 1745 |
| 850 | | 83 | 9.6 | -9.5 | -1.1 | 1 | 92 | 12.3 | -12.3 | .5 | | 85 | 11.7 | -11.7 | -1.0 | | 59 | 7.0 | -6.0 | -3.6 | 1490 |
| 875 | | 89 | 10.1 | -10.1 | -.2 | 2 | 97 | 12.8 | -12.7 | 1.5 | | 85 | 11.7 | -11.7 | -1.1 | | 76 | 7.4 | -7.2 | -1.7 | 1242 |
| 900 | | 96 | 10.0 | -9.9 | 1.1 | | 100 | 12.0 | -11.9 | 2.1 | | 87 | 11.2 | -11.2 | -.7 | | 97 | 10.0 | -10.0 | 1.3 | 999 |
| 925 | | 92 | 9.1 | -9.1 | .3 | | 104 | 10.0 | -9.7 | 2.4 | | 94 | 10.2 | -10.2 | .7 | | 106 | 10.0 | -9.6 | 2.7 | 762 |
| 950 | | 82 | 9.2 | -9.1 | -1.3 | | 108 | 7.7 | -7.3 | 2.4 | | 107 | 9.0 | -8.6 | 2.7 | | 116 | 7.8 | -7.0 | 3.3 | 529 |
| 975 | | 94 | 9.3 | -9.3 | .7 | 3 | 104 | 6.5 | -6.3 | 1.6 | | 115 | 8.3 | -7.5 | 3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | " | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/27 1754 GMT | | | | 3/27 2348 GMT | | | | 3/28 6 0 GMT | | | | 3/28 1145 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 8.3 | 8.3 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 3.9 | 3.7 | 1.4 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 13.4 | 13.4 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 13.6 | 13.5 | 1.6 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 18.5 | 18.4 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 22.3 | 20.0 | -9.9 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 276 | 7.8 | 7.8 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 16.6 | 15.9 | -4.7 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 18.1 | 17.8 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 15.3 | 14.1 | 5.8 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 15.7 | 15.1 | 4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 237 | 19.6 | 16.5 | 10.6 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 13.6 | 13.5 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 244 | 17.8 | 16.0 | 7.7 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 261 | 17.4 | 17.1 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 11.6 | 11.2 | -2.8 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 273 | 26.4 | 26.3 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 15.5 | 9.3 | -12.4 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 280 | 32.7 | 32.3 | -5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 322 | 20.3 | 12.5 | -15.9 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 286 | 37.3 | 35.8 | -10.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 26.4 | 15.9 | -21.0 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 293 | 40.3 | 37.2 | -15.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 323 | 29.7 | 17.8 | -23.7 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 299 | 41.9 | 36.5 | -20.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 320 | 32.6 | 21.0 | -24.9 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 306 | 42.7 | 34.4 | -25.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 36.7 | 25.6 | -26.4 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 313 | 42.2 | 30.8 | -28.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 311 | 36.7 | 27.5 | -24.2 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 326 | 30.7 | 17.2 | -25.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 306 | 36.8 | 29.8 | -21.7 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 332 | 21.9 | 10.2 | -19.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 310 | 34.2 | 26.3 | -21.8 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 331 | 15.4 | 7.5 | -13.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 305 | 29.9 | 24.7 | -17.0 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 330 | 12.2 | 6.1 | -10.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 21.8 | 19.0 | -10.7 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 315 | 11.2 | 7.9 | -7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 309 | 13.5 | 10.5 | -8.4 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 332 | 6.6 | 3.1 | -5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 8.6 | 6.0 | -6.2 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 16 | 4.5 | -1.3 | -4.4 | | 25 | 5.9 | -2.4 | -5.3 | | 330 | 5.8 | 2.9 | -5.0 | 8039 |
| 400 | | 306 | 5.5 | 4.4 | -3.2 | | 22 | 4.9 | -1.9 | -4.6 | | 51 | 5.2 | -4.0 | -3.3 | | 17 | 5.0 | -1.4 | -4.7 | 7557 |
| 425 | | 245 | 2.6 | 2.4 | 1.1 | 2 | 302 | .8 | .7 | -.4 | | 358 | 2.3 | .1 | -2.3 | | 33 | 4.4 | -2.4 | -3.7 | 7099 |
| 450 | | 263 | 2.8 | 2.8 | .3 | | 65 | 2.4 | -2.2 | -1.0 | | 310 | 4.3 | 3.3 | -2.8 | | 344 | 4.0 | 1.1 | -3.8 | 6662 |
| 475 | | 275 | 6.6 | 6.6 | -.6 | | 301 | 2.9 | 2.5 | -1.5 | | 310 | 6.8 | 5.2 | -4.4 | | 337 | 7.8 | 3.1 | -7.1 | 6244 |
| 500 | | 310 | .9 | .7 | -.6 | | 296 | 3.8 | 3.4 | -1.6 | | 313 | 8.3 | 6.1 | -5.7 | | 336 | 9.9 | 4.1 | -9.1 | 5844 |
| 525 | | 51 | 5.7 | -4.4 | -3.5 | | 24 | 5.7 | -2.3 | -5.2 | | 349 | 8.2 | 1.6 | -8.1 | | 340 | 10.2 | 3.4 | -9.6 | 5460 |
| 550 | | 33 | 8.6 | -4.7 | -7.2 | | 30 | 10.1 | -5.0 | -8.7 | | 21 | 8.6 | -3.1 | -8.0 | | 356 | 9.3 | .6 | -9.3 | 5091 |
| 575 | | 47 | 9.3 | -6.8 | -6.4 | | 19 | 9.0 | -3.0 | -8.5 | | 46 | 10.0 | -7.2 | -7.0 | | 36 | 9.3 | -5.4 | -7.5 | 4736 |
| 600 | | 60 | 9.5 | -8.3 | -4.7 | | 41 | 10.4 | -6.9 | -7.8 | | 62 | 10.3 | -9.1 | -4.8 | | 58 | 12.4 | -10.5 | -6.6 | 4393 |
| 625 | | 74 | 7.2 | -6.9 | -2.0 | | 72 | 8.6 | -8.2 | -2.7 | | 70 | 7.3 | -6.9 | -2.5 | | 61 | 8.9 | -7.8 | -4.2 | 4062 |
| 650 | | 96 | 6.2 | -6.1 | .7 | | 94 | 7.7 | -7.7 | .6 | | 91 | 6.6 | -6.6 | .2 | | 82 | 4.4 | -4.3 | -.6 | 3742 |
| 675 | | 92 | 9.7 | -9.7 | .3 | 2 | 88 | 8.5 | -8.5 | -.3 | | 95 | 7.4 | -7.4 | .7 | | 103 | 4.9 | -4.7 | 1.1 | 3431 |
| 700 | | 88 | 13.3 | -13.3 | -.4 | 2 | 84 | 9.9 | -9.8 | -1.0 | | 81 | 8.2 | -8.1 | -1.3 | | 74 | 7.3 | -7.0 | -2.1 | 3130 |
| 725 | | 94 | 14.4 | -14.4 | .9 | 2 | 89 | 10.5 | -10.5 | -.1 | | 77 | 10.9 | -10.6 | -2.4 | | 67 | 10.5 | -9.7 | -4.0 | 2837 |
| 750 | | 100 | 13.9 | -13.7 | 2.4 | | 93 | 10.5 | -10.5 | .5 | | 73 | 12.6 | -12.0 | -3.7 | | 77 | 11.1 | -10.8 | -2.4 | 2553 |
| 775 | | 101 | 12.3 | -12.1 | 2.3 | | 87 | 10.6 | -10.6 | -.6 | | 66 | 12.6 | -11.5 | -5.1 | | 80 | 10.5 | -10.4 | -1.8 | 2276 |
| 800 | | 93 | 11.5 | -11.5 | .6 | | 92 | 10.3 | -10.3 | .3 | | 67 | 11.9 | -11.0 | -4.6 | | 76 | 10.1 | -9.8 | -2.4 | 2007 |
| 825 | | 89 | 10.6 | -10.6 | -.3 | | 95 | 9.4 | -9.4 | .8 | | 70 | 11.8 | -11.1 | -4.1 | | 74 | 9.7 | -9.3 | -2.6 | 1745 |
| 850 | | 87 | 8.4 | -8.4 | -.4 | | 90 | 8.8 | -8.8 | -.0 | | 66 | 12.3 | -11.2 | -5.0 | | 70 | 10.0 | -9.4 | -3.4 | 1490 |
| 875 | | 90 | 8.1 | -8.1 | .0 | | 87 | 9.4 | -9.3 | -.5 | | 65 | 11.4 | -10.3 | -4.8 | | 69 | 10.5 | -9.7 | -3.8 | 1242 |
| 900 | | 97 | 9.2 | -9.1 | 1.2 | | 91 | 8.8 | -8.8 | .1 | | 73 | 9.4 | -9.0 | -2.7 | | 75 | 9.3 | -9.0 | -2.4 | 999 |
| 925 | | 101 | 9.3 | -9.1 | 1.8 | | 101 | 7.5 | -7.4 | 1.4 | | 86 | 7.2 | -7.2 | -.4 | | 85 | 7.2 | -7.2 | -.6 | 762 |
| 950 | | 104 | 8.2 | -8.0 | 1.9 | | 110 | 6.9 | -6.4 | 2.4 | 3 | 101 | 5.6 | -5.5 | 1.0 | | 97 | 5.7 | -5.6 | .7 | 529 |
| 975 | | 112 | 6.5 | -6.0 | 2.5 | | 114 | 5.7 | -5.2 | 2.3 | | 110 | 5.1 | -4.8 | 1.8 | | 110 | 4.6 | -4.4 | 1.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/28 1826 GMT | | | | | 3/28 2350 GMT | | | | | 3/29 550 GMT | | | | | 3/29 1210 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 13.2 | 12.5 | -4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 301 | 13.3 | 11.4 | -6.8 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 239 | 13.7 | 11.7 | 7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 13.2 | 13.2 | -.2 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 16.7 | 14.6 | -8.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 14.0 | 14.0 | -.5 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 13.3 | 8.7 | -10.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 320 | 13.8 | 8.8 | -10.6 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 15.6 | 15.6 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 22.2 | 20.9 | -7.5 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 21.8 | 21.7 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 21.7 | 21.5 | 3.0 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 17.4 | 17.4 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 18.3 | 18.2 | 2.0 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 315 | 15.0 | 10.6 | -10.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 303 | 18.6 | 15.5 | -10.3 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 332 | 21.2 | 10.0 | -18.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 318 | 26.4 | 17.6 | -19.7 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 327 | 29.1 | 15.6 | -24.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 33.9 | 22.3 | -25.6 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 326 | 31.4 | 17.5 | -26.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 36.5 | 25.5 | -26.1 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 324 | 34.8 | 20.3 | -28.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 312 | 33.4 | 24.7 | -22.5 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 322 | 35.2 | 21.7 | -27.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 315 | 30.0 | 21.2 | -21.3 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 321 | 30.4 | 19.2 | -23.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 319 | 28.2 | 18.5 | -21.3 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 321 | 24.9 | 15.6 | -19.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 320 | 27.5 | 17.7 | -21.1 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 331 | 21.1 | 10.3 | -18.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 326 | 22.1 | 12.3 | -18.3 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 334 | 22.1 | 9.7 | -19.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 329 | 17.3 | 9.0 | -14.8 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 334 | 25.4 | 11.3 | -22.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 330 | 12.9 | 6.5 | -11.2 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 307 | 29.0 | 23.0 | -17.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 322 | 9.0 | 5.5 | -7.1 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 314 | 25.4 | 18.2 | -17.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 315 | 8.0 | 5.6 | -5.6 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 323 | 21.5 | 12.9 | -17.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 320 | 5.7 | 3.6 | -4.4 | 8546 |
| 375 | | 313 | 9.7 | 7.1 | -6.6 | | 312 | 19.0 | 14.2 | -12.6 | | 355 | 17.8 | 1.5 | -17.7 | | 357 | 3.6 | .2 | -3.6 | 8039 |
| 400 | | 324 | 5.9 | 3.5 | -4.8 | | 282 | 9.7 | 9.5 | -2.0 | 2 | 360 | 15.3 | .0 | -15.3 | | 43 | 3.8 | -2.6 | -2.8 | 7557 |
| 425 | | 324 | 5.2 | 3.1 | -4.2 | | 276 | 8.1 | 8.1 | -.9 | 2 | 319 | 4.2 | 2.7 | -3.2 | | 253 | 5.2 | 4.9 | 1.5 | 7099 |
| 450 | | 323 | 7.7 | 4.6 | -6.1 | | 274 | 8.6 | 8.6 | -.6 | 2 | 265 | 4.7 | 4.7 | .4 | | 235 | 13.6 | 11.1 | 7.9 | 6662 |
| 475 | | 318 | 10.6 | 7.1 | -7.8 | | 286 | 9.4 | 9.1 | -2.7 | 3 | 232 | 5.0 | 4.0 | 3.1 | | 227 | 11.2 | 8.2 | 7.6 | 6244 |
| 500 | | 332 | 10.9 | 5.2 | -9.7 | | 314 | 6.9 | 5.0 | -4.8 | | 245 | 6.2 | 5.6 | 2.6 | | 217 | 7.7 | 4.6 | 6.1 | 5844 |
| 525 | | 344 | 9.4 | 2.6 | -9.0 | | 20 | 2.6 | -.9 | -2.5 | | 262 | 7.6 | 7.5 | 1.1 | | 150 | 4.6 | -2.4 | 4.0 | 5460 |
| 550 | | 356 | 6.4 | .5 | -6.4 | | 97 | 4.9 | -4.8 | .6 | | 7 | 3.1 | -.3 | -3.0 | | 90 | 10.3 | -10.3 | .0 | 5091 |
| 575 | | 34 | 7.0 | -3.9 | -5.8 | | 85 | 10.1 | -10.1 | -.9 | | 45 | 7.1 | -5.0 | -5.0 | | 86 | 12.8 | -12.8 | -.9 | 4736 |
| 600 | | 59 | 9.6 | -8.2 | -5.0 | | 83 | 9.9 | -9.9 | -1.2 | 2 | 76 | 7.7 | -7.4 | -1.8 | | 88 | 8.3 | -8.3 | -.2 | 4393 |
| 625 | | 76 | 8.5 | -8.2 | -2.0 | | 92 | 7.0 | -7.0 | .2 | 3 | 94 | 7.6 | -7.6 | .6 | | 86 | 7.1 | -7.0 | -.5 | 4062 |
| 650 | | 101 | 6.4 | -6.3 | 1.2 | | 93 | 6.9 | -6.8 | .4 | 3 | 107 | 6.3 | -6.0 | 1.8 | | 83 | 10.0 | -9.9 | -1.2 | 3742 |
| 675 | | 107 | 6.3 | -6.0 | 1.8 | | 81 | 8.4 | -8.3 | -1.3 | 3 | 99 | 6.8 | -6.8 | 1.1 | | 81 | 12.7 | -12.5 | -1.9 | 3431 |
| 700 | | 81 | 7.2 | -7.1 | -1.1 | | 68 | 11.2 | -10.4 | -4.2 | | 83 | 7.6 | -7.5 | -.9 | | 75 | 11.0 | -10.6 | -2.9 | 3130 |
| 725 | | 72 | 9.0 | -8.5 | -2.8 | | 64 | 13.2 | -11.9 | -5.7 | | 55 | 8.7 | -7.2 | -5.0 | | 86 | 10.4 | -10.3 | -.6 | 2837 |
| 750 | | 81 | 10.1 | -10.0 | -1.6 | | 61 | 12.0 | -10.5 | -5.8 | | 62 | 9.6 | -8.5 | -4.5 | | 104 | 11.3 | -11.0 | 2.7 | 2553 |
| 775 | | 90 | 10.2 | -10.2 | -.0 | | 70 | 8.4 | -8.0 | -2.8 | | 71 | 8.9 | -8.5 | -2.9 | | 105 | 9.0 | -8.7 | 2.3 | 2276 |
| 800 | | 94 | 8.8 | -8.7 | .5 | | 78 | 8.1 | -7.9 | -1.7 | | 73 | 7.2 | -6.9 | -2.1 | | 99 | 8.7 | -8.6 | 1.4 | 2007 |
| 825 | | 92 | 7.1 | -7.0 | .2 | 3 | 74 | 7.8 | -7.5 | -2.2 | | 78 | 5.9 | -5.8 | -1.2 | | 104 | 11.3 | -11.0 | 2.7 | 1745 |
| 850 | | 87 | 5.9 | -5.9 | -.3 | 2 | 81 | 7.8 | -7.7 | -1.2 | | 91 | 6.3 | -6.3 | .1 | | 106 | 11.7 | -11.3 | 3.3 | 1490 |
| 875 | | 93 | 6.0 | -6.0 | .3 | | 99 | 7.5 | -7.4 | 1.2 | | 102 | 7.5 | -7.4 | 1.5 | | 101 | 9.5 | -9.3 | 1.8 | 1242 |
| 900 | | 104 | 7.3 | -7.1 | 1.7 | | 113 | 7.7 | -7.1 | 3.0 | | 105 | 7.5 | -7.3 | 1.9 | | 98 | 8.4 | -8.3 | 1.2 | 999 |
| 925 | | 111 | 8.5 | -7.9 | 3.1 | | 121 | 8.2 | -7.1 | 4.2 | | 107 | 7.5 | -7.2 | 2.1 | | 109 | 8.7 | -8.3 | 2.8 | 762 |
| 950 | | 118 | 8.4 | -7.5 | 3.9 | | 127 | 8.6 | -6.9 | 5.1 | | 113 | 8.3 | -7.6 | 3.3 | | 121 | 7.9 | -6.8 | 4.1 | 529 |
| 975 | | 125 | 7.2 | -5.9 | 4.1 | | 132 | 8.0 | -5.9 | 5.3 | | 120 | 7.9 | -6.8 | 4.0 | | 128 | 6.7 | -5.3 | 4.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/29 15 0 GMT | | | | 3/29 1810 GMT | | | | 3/29 2040 GMT | | | | 3/29 2356 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 9.3 | 9.2 | -1.6 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 8.1 | 8.1 | -.2 | | 271 | 7.2 | 7.2 | -.2 | | 283 | 17.2 | 16.8 | -3.8 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 17.8 | 17.1 | 4.7 | | 259 | 12.6 | 12.3 | 2.4 | | 215 | 10.1 | 5.8 | 8.3 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 9.9 | 8.3 | -5.3 | | 243 | 10.6 | 9.4 | 4.8 | | 304 | 9.4 | 7.8 | -5.2 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 314 | 17.7 | 12.7 | -12.4 | | 321 | 9.9 | 6.2 | -7.7 | | 292 | 19.6 | 18.1 | -7.5 | 16521 |
| 110 | | 270 | 21.7 | 21.7 | -.1 | | 282 | 24.8 | 24.3 | -5.3 | | 286 | 22.4 | 21.5 | -6.2 | | 284 | 24.4 | 23.6 | -6.1 | 15978 |
| 120 | | 266 | 17.4 | 17.3 | 1.2 | | 278 | 24.2 | 23.9 | -3.5 | | 286 | 27.5 | 26.5 | -7.5 | | 312 | 22.5 | 16.7 | -15.0 | 15479 |
| 130 | 3 | 303 | 18.3 | 15.4 | -9.9 | | 306 | 24.9 | 20.2 | -14.5 | | 293 | 22.6 | 20.8 | -8.8 | | 318 | 30.2 | 20.1 | -22.5 | 15014 |
| 140 | 2 | 321 | 25.9 | 16.3 | -20.1 | | 324 | 33.2 | 19.6 | -26.8 | | 314 | 22.9 | 16.4 | -16.0 | | 318 | 39.2 | 26.1 | -29.2 | 14578 |
| 150 | | 328 | 31.0 | 16.3 | -26.4 | | 324 | 35.2 | 20.7 | -28.5 | | 321 | 36.0 | 22.5 | -28.1 | | 315 | 38.8 | 27.3 | -27.5 | 14167 |
| 160 | | 328 | 31.1 | 16.7 | -26.2 | | 324 | 35.9 | 21.2 | -29.0 | | 318 | 37.1 | 24.9 | -27.5 | | 309 | 37.9 | 29.5 | -23.9 | 13776 |
| 170 | | 319 | 25.2 | 16.5 | -19.0 | | 324 | 33.1 | 19.5 | -26.8 | | 317 | 33.3 | 22.5 | -24.6 | | 307 | 37.2 | 29.7 | -22.4 | 13404 |
| 180 | | 313 | 22.2 | 16.3 | -15.0 | | 324 | 29.5 | 17.4 | -23.8 | | 320 | 29.1 | 18.7 | -22.2 | | 303 | 37.7 | 31.6 | -20.5 | 13049 |
| 190 | | 312 | 22.6 | 16.9 | -15.0 | | 328 | 29.1 | 15.5 | -24.6 | | 320 | 29.1 | 18.8 | -22.2 | | 301 | 39.8 | 34.1 | -20.5 | 12709 |
| 200 | | 312 | 24.0 | 17.8 | -16.1 | | 329 | 28.8 | 14.8 | -24.6 | | 317 | 31.9 | 21.8 | -23.3 | | 304 | 39.6 | 32.8 | -22.2 | 12383 |
| 225 | | 309 | 24.0 | 18.7 | -15.0 | | 322 | 29.6 | 18.1 | -23.5 | | 314 | 32.3 | 23.1 | -22.6 | | 306 | 36.0 | 29.2 | -21.1 | 11617 |
| 250 | | 311 | 22.0 | 16.7 | -14.3 | | 313 | 28.7 | 21.1 | -19.5 | | 309 | 30.0 | 23.3 | -18.9 | | 302 | 33.4 | 28.4 | -17.6 | 10914 |
| 275 | | 314 | 18.3 | 13.2 | -12.6 | | 310 | 26.0 | 19.9 | -16.7 | | 307 | 23.0 | 18.4 | -13.8 | | 308 | 27.5 | 21.5 | -17.1 | 10262 |
| 300 | | 312 | 10.9 | 8.1 | -7.3 | 2 | 317 | 15.8 | 10.9 | -11.5 | | 314 | 18.9 | 13.7 | -13.0 | | 321 | 19.1 | 12.1 | -14.9 | 9654 |
| 325 | | 357 | .7 | .0 | -.7 | | 313 | 6.0 | 4.4 | -4.1 | | 319 | 17.5 | 11.6 | -13.2 | | 339 | 14.3 | 5.0 | -13.4 | 9084 |
| 350 | | 101 | 5.2 | -5.1 | 1.0 | | 335 | 1.5 | .6 | -1.4 | | 320 | 8.7 | 5.6 | -6.6 | | 322 | 7.4 | 4.5 | -5.8 | 8546 |
| 375 | | 99 | 7.4 | -7.4 | 1.2 | | 19 | 3.9 | -1.2 | -3.7 | | 350 | 3.9 | .7 | -3.8 | | 288 | 4.9 | 4.7 | -1.5 | 8039 |
| 400 | | 98 | 8.0 | -7.9 | 1.1 | | 68 | 5.1 | -4.7 | -2.0 | | 74 | 4.6 | -4.4 | -1.3 | | 11 | .7 | -.1 | -.7 | 7557 |
| 425 | | 90 | 8.0 | -8.0 | -.1 | | 129 | 1.2 | -.9 | .7 | | 106 | 2.2 | -2.2 | .6 | | 170 | 6.8 | -1.2 | 6.7 | 7099 |
| 450 | | 126 | 3.2 | -2.6 | 1.9 | | 219 | 7.3 | 4.6 | 5.7 | | 198 | 6.0 | 1.9 | 5.7 | | 167 | 8.2 | -1.9 | 8.0 | 6662 |
| 475 | | 220 | 7.4 | 4.8 | 5.7 | | 202 | 5.5 | 2.1 | 5.0 | | 198 | 6.0 | 1.8 | 5.7 | | 204 | 5.6 | 2.3 | 5.1 | 6244 |
| 500 | | 236 | 8.8 | 7.3 | 4.9 | | 177 | 2.8 | -.1 | 2.8 | | 210 | 4.3 | 2.1 | 3.7 | | 221 | 5.4 | 3.6 | 4.1 | 5844 |
| 525 | | 247 | 7.1 | 6.5 | 2.8 | | 158 | 2.8 | -1.0 | 2.6 | | 235 | 1.9 | 1.5 | 1.1 | | 271 | 3.4 | 3.4 | -.0 | 5460 |
| 550 | | 267 | 5.3 | 5.3 | .3 | | 73 | 1.2 | -1.2 | -.4 | | 344 | 5.1 | 1.4 | -4.9 | | 312 | 3.9 | 2.9 | -2.6 | 5091 |
| 575 | | 335 | 4.0 | 1.7 | -3.6 | 2 | 27 | 3.5 | -1.5 | -3.1 | | 352 | 3.6 | .5 | -3.5 | | 92 | 5.2 | -5.2 | .2 | 4736 |
| 600 | | 31 | 4.4 | -2.3 | -3.8 | | 18 | 3.4 | -1.0 | -3.3 | | 152 | 3.1 | -1.5 | 2.8 | | 95 | 8.9 | -8.8 | .7 | 4393 |
| 625 | | 44 | 4.8 | -3.4 | -3.5 | | 50 | 3.7 | -2.9 | -2.4 | | 122 | 6.5 | -5.5 | 3.4 | | 90 | 7.5 | -7.5 | .0 | 4062 |
| 650 | 2 | 57 | 6.3 | -5.3 | -3.4 | | 88 | 6.0 | -6.0 | -.2 | | 108 | 7.8 | -7.4 | 2.5 | | 93 | 7.1 | -7.1 | .4 | 3742 |
| 675 | 2 | 67 | 7.0 | -6.5 | -2.7 | | 71 | 4.8 | -4.5 | -1.6 | | 90 | 6.7 | -6.7 | -.0 | | 81 | 8.5 | -8.4 | -1.3 | 3431 |
| 700 | | 84 | 8.7 | -8.7 | -.9 | | 68 | 6.7 | -6.2 | -2.5 | | 73 | 8.3 | -7.9 | -2.5 | | 78 | 10.2 | -10.0 | -2.2 | 3130 |
| 725 | | 95 | 11.2 | -11.2 | 1.0 | | 75 | 10.2 | -9.9 | -2.6 | | 78 | 11.3 | -11.1 | -2.4 | | 86 | 11.5 | -11.5 | -.8 | 2837 |
| 750 | | 101 | 9.9 | -9.7 | 2.0 | | 77 | 11.6 | -11.3 | -2.6 | | 85 | 12.1 | -12.0 | -1.1 | | 90 | 12.9 | -12.9 | -.0 | 2553 |
| 775 | | 102 | 10.0 | -9.7 | 2.1 | | 80 | 12.2 | -12.1 | -2.0 | | 87 | 11.4 | -11.4 | -.7 | | 95 | 12.6 | -12.6 | 1.1 | 2276 |
| 800 | | 97 | 11.1 | -11.0 | 1.4 | | 89 | 13.4 | -13.3 | -.3 | | 86 | 11.9 | -11.8 | -.8 | | 100 | 11.6 | -11.4 | 2.0 | 2007 |
| 825 | | 96 | 11.7 | -11.6 | 1.3 | | 92 | 12.7 | -12.7 | .5 | | 87 | 12.0 | -12.0 | -.6 | | 97 | 10.8 | -10.7 | 1.2 | 1745 |
| 850 | | 98 | 11.6 | -11.5 | 1.6 | | 88 | 11.4 | -11.4 | -.4 | | 88 | 11.0 | -11.0 | -.4 | | 94 | 9.7 | -9.7 | .7 | 1490 |
| 875 | | 101 | 11.0 | -10.8 | 2.0 | | 89 | 11.6 | -11.6 | -.1 | | 87 | 11.5 | -11.5 | -.7 | | 99 | 9.3 | -9.2 | 1.4 | 1242 |
| 900 | | 105 | 10.2 | -9.9 | 2.6 | | 96 | 12.0 | -11.9 | 1.3 | | 90 | 12.4 | -12.4 | .1 | | 103 | 10.4 | -10.1 | 2.3 | 999 |
| 925 | | 111 | 9.7 | -9.1 | 3.4 | | 103 | 11.2 | -10.9 | 2.5 | | 97 | 11.4 | -11.4 | 1.3 | | 106 | 11.7 | -11.3 | 3.2 | 762 |
| 950 | | 118 | 9.0 | -8.0 | 4.2 | | 109 | 9.9 | -9.4 | 3.3 | | 103 | 8.9 | -8.7 | 2.0 | | 112 | 12.9 | -11.9 | 4.9 | 529 |
| 975 | | 127 | 6.8 | -5.5 | 4.1 | | 115 | 8.6 | -7.8 | 3.6 | | 106 | 7.8 | -7.5 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/30 314 GMT | | | | 3/30 630 GMT | | | | 3/30 845 GMT | | | | 3/30 1212 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 11.5 | 10.9 | -3.8 | 19517 |
| 70 | | 290 | 11.4 | 10.7 | -3.9 | | 290 | 14.7 | 13.8 | -5.1 | | 287 | 14.2 | 13.6 | -4.1 | | 257 | 6.5 | 6.4 | 1.5 | 18589 |
| 80 | | 256 | 16.9 | 16.4 | 4.2 | | 264 | 13.7 | 13.6 | 1.5 | | 260 | 13.4 | 13.1 | 2.4 | | 282 | 16.0 | 15.7 | -3.3 | 17801 |
| 90 | | 250 | 7.5 | 7.1 | 2.5 | | 221 | 7.7 | 5.0 | 5.8 | | 225 | 7.3 | 5.1 | 5.1 | | 239 | 11.8 | 10.1 | 6.1 | 17121 |
| 100 | | 283 | 16.4 | 16.0 | -3.6 | | 285 | 18.2 | 17.5 | -4.8 | | 286 | 23.6 | 22.6 | -6.6 | | 278 | 19.9 | 19.7 | -2.8 | 16521 |
| 110 | | 289 | 25.7 | 24.3 | -8.2 | | 278 | 23.6 | 23.4 | -3.1 | | 287 | 23.2 | 22.2 | -6.7 | | 280 | 24.3 | 23.9 | -4.3 | 15978 |
| 120 | | 295 | 23.5 | 21.3 | -9.8 | | 288 | 18.6 | 17.7 | -5.9 | | 306 | 24.9 | 20.3 | -14.5 | | 300 | 19.6 | 17.0 | -9.7 | 15479 |
| 130 | | 309 | 24.1 | 18.7 | -15.2 | | 315 | 23.6 | 16.6 | -16.7 | | 317 | 28.3 | 19.4 | -20.7 | | 323 | 29.9 | 17.9 | -23.9 | 15014 |
| 140 | | 315 | 33.6 | 23.7 | -23.7 | | 316 | 31.6 | 21.8 | -22.9 | | 322 | 40.2 | 24.8 | -31.6 | | 321 | 40.8 | 25.7 | -31.7 | 14578 |
| 150 | | 314 | 38.8 | 27.7 | -27.2 | | 312 | 40.0 | 29.6 | -26.9 | | 320 | 45.1 | 28.7 | -34.7 | | 315 | 43.8 | 30.8 | -31.2 | 14167 |
| 160 | | 310 | 40.9 | 31.1 | -26.5 | | 312 | 43.0 | 32.1 | -28.6 | | 317 | 44.5 | 30.2 | -32.6 | | 314 | 45.0 | 32.4 | -31.3 | 13776 |
| 170 | | 307 | 39.7 | 31.8 | -23.8 | | 313 | 43.0 | 31.7 | -29.1 | | 316 | 45.5 | 31.6 | -32.7 | | 317 | 41.5 | 28.1 | -30.6 | 13404 |
| 180 | | 307 | 38.3 | 30.8 | -22.8 | | 311 | 41.9 | 31.6 | -27.4 | | 317 | 45.0 | 30.6 | -33.0 | | 318 | 41.6 | 27.9 | -30.8 | 13049 |
| 190 | | 306 | 36.1 | 29.1 | -21.3 | | 309 | 39.4 | 30.6 | -24.8 | | 314 | 42.7 | 30.9 | -29.4 | | 314 | 41.5 | 29.9 | -28.7 | 12709 |
| 200 | | 306 | 35.5 | 28.6 | -21.0 | | 309 | 36.9 | 28.8 | -23.1 | | 307 | 43.9 | 34.8 | -26.7 | | 313 | 39.4 | 29.0 | -26.6 | 12383 |
| 225 | | 306 | 36.2 | 29.4 | -21.0 | | 309 | 36.3 | 28.2 | -22.8 | | 302 | 32.9 | 28.0 | -17.3 | | 307 | 35.9 | 28.5 | -21.8 | 11617 |
| 250 | | 298 | 31.9 | 28.1 | -15.2 | | 305 | 38.4 | 31.5 | -21.8 | | 294 | 31.2 | 28.6 | -12.6 | | 300 | 28.6 | 24.8 | -14.2 | 10914 |
| 275 | | 300 | 25.9 | 22.5 | -12.9 | | 306 | 27.1 | 21.8 | -16.1 | | 293 | 21.5 | 19.8 | -8.2 | | 291 | 18.9 | 17.6 | -6.8 | 10262 |
| 300 | | 306 | 17.5 | 14.1 | -10.3 | | 304 | 20.2 | 16.9 | -11.2 | | 299 | 15.9 | 13.9 | -7.7 | | 275 | 9.8 | 9.8 | -.9 | 9654 |
| 325 | | 312 | 17.5 | 13.1 | -11.6 | | 305 | 10.8 | 8.8 | -6.3 | | 290 | 11.4 | 10.7 | -3.8 | | 293 | 10.1 | 9.3 | -3.9 | 9084 |
| 350 | | 338 | 12.3 | 4.7 | -11.4 | | 320 | 8.2 | 5.2 | -6.3 | | 298 | 10.6 | 9.4 | -4.9 | | 308 | 11.3 | 8.9 | -6.9 | 8546 |
| 375 | | 0 | 6.5 | -.0 | -6.5 | | 334 | 7.5 | 3.3 | -6.7 | | 316 | 14.0 | 9.8 | -10.0 | | 336 | 12.2 | 4.9 | -11.2 | 8039 |
| 400 | | 301 | 3.2 | 2.7 | -1.6 | | 357 | 5.4 | .3 | -5.3 | | 329 | 6.8 | 3.5 | -5.8 | | 336 | 9.3 | 3.7 | -8.5 | 7557 |
| 425 | | 178 | 3.5 | -.1 | 3.5 | | 202 | 3.2 | 1.2 | 3.0 | | 172 | 1.1 | -.2 | 1.1 | | 294 | 4.2 | 3.9 | -1.7 | 7099 |
| 450 | | 170 | 9.1 | -1.5 | 9.0 | | 175 | 7.4 | -.7 | 7.4 | | 171 | 9.2 | -1.4 | 9.1 | | 181 | 7.2 | .1 | 7.2 | 6662 |
| 475 | | 188 | 6.8 | .9 | 6.7 | | 183 | 6.7 | .3 | 6.7 | | 188 | 9.6 | 1.3 | 9.5 | | 186 | 8.3 | .8 | 8.3 | 6244 |
| 500 | | 192 | 4.5 | 1.0 | 4.4 | | 172 | 3.6 | -.5 | 3.5 | | 176 | 5.4 | -.4 | 5.4 | | 199 | 6.4 | 2.0 | 6.1 | 5844 |
| 525 | | 204 | 1.9 | .8 | 1.8 | | 133 | 1.8 | -1.4 | 1.3 | | 148 | 2.8 | -1.5 | 2.4 | | 147 | 2.1 | -1.1 | 1.8 | 5460 |
| 550 | | 45 | 1.9 | -1.4 | -1.4 | | 108 | 4.7 | -4.4 | 1.4 | | 96 | 6.3 | -6.2 | .6 | | 111 | 4.1 | -3.8 | 1.5 | 5091 |
| 575 | | 79 | 3.2 | -3.1 | -.6 | | 100 | 7.4 | -7.3 | 1.3 | | 93 | 8.8 | -8.8 | .5 | | 113 | 5.1 | -4.7 | 2.0 | 4736 |
| 600 | | 94 | 5.4 | -5.4 | .4 | | 97 | 6.8 | -6.7 | .9 | | 103 | 6.9 | -6.7 | 1.6 | | 128 | 4.8 | -3.8 | 2.9 | 4393 |
| 625 | | 103 | 6.6 | -6.4 | 1.5 | | 103 | 6.8 | -6.7 | 1.5 | | 121 | 6.0 | -5.2 | 3.1 | | 141 | 5.5 | -3.5 | 4.3 | 4062 |
| 650 | | 106 | 5.9 | -5.7 | 1.7 | | 121 | 5.9 | -5.1 | 3.1 | | 121 | 5.4 | -4.6 | 2.8 | | 128 | 4.3 | -3.3 | 2.7 | 3742 |
| 675 | | 82 | 6.9 | -6.8 | -.9 | | 98 | 5.9 | -5.9 | .8 | | 82 | 8.3 | -8.2 | -1.1 | | 76 | 4.6 | -4.5 | -1.2 | 3431 |
| 700 | | 74 | 9.4 | -9.0 | -2.6 | | 79 | 9.8 | -9.6 | -1.9 | | 82 | 11.4 | -11.3 | -1.6 | | 89 | 8.8 | -8.8 | -.1 | 3130 |
| 725 | | 80 | 10.5 | -10.3 | -1.9 | | 81 | 11.1 | -10.9 | -1.7 | | 95 | 11.7 | -11.7 | 1.0 | | 98 | 11.1 | -11.0 | 1.6 | 2837 |
| 750 | | 84 | 11.1 | -11.1 | -1.1 | | 93 | 10.3 | -10.3 | .6 | | 101 | 11.3 | -11.1 | 2.1 | | 94 | 11.0 | -11.0 | .8 | 2553 |
| 775 | | 93 | 10.7 | -10.6 | .5 | | 99 | 10.9 | -10.8 | 1.7 | | 99 | 11.3 | -11.2 | 1.8 | | 92 | 11.2 | -11.2 | .4 | 2276 |
| 800 | | 97 | 10.4 | -10.3 | 1.3 | | 99 | 12.0 | -11.9 | 1.9 | | 99 | 12.0 | -11.9 | 1.8 | | 91 | 11.8 | -11.8 | .2 | 2007 |
| 825 | | 92 | 10.9 | -10.9 | .3 | | 102 | 11.3 | -11.1 | 2.3 | | 95 | 12.6 | -12.6 | 1.0 | | 84 | 12.3 | -12.3 | -1.2 | 1745 |
| 850 | | 92 | 11.1 | -11.1 | .3 | | 94 | 11.2 | -11.2 | .9 | | 84 | 13.5 | -13.4 | -1.5 | | 78 | 12.4 | -12.1 | -2.6 | 1490 |
| 875 | | 95 | 11.4 | -11.4 | .9 | | 85 | 11.8 | -11.8 | -1.0 | | 75 | 14.1 | -13.6 | -3.7 | | 80 | 12.1 | -11.9 | -2.2 | 1242 |
| 900 | | 97 | 11.5 | -11.4 | 1.3 | | 84 | 11.7 | -11.6 | -1.2 | | 77 | 13.0 | -12.7 | -3.0 | | 89 | 12.0 | -12.0 | -.3 | 999 |
| 925 | | 100 | 10.4 | -10.2 | 1.8 | | 89 | 11.2 | -11.2 | -.3 | | 88 | 10.7 | -10.7 | -.4 | | 97 | 11.2 | -11.1 | 1.3 | 762 |
| 950 | | 107 | 8.5 | -8.1 | 2.5 | | 91 | 9.4 | -9.4 | .1 | | 98 | 8.8 | -8.8 | 1.2 | | 100 | 9.1 | -8.9 | 1.6 | 529 |
| 975 | | 115 | 7.3 | -6.7 | 3.1 | | 93 | 7.2 | -7.2 | .4 | | 103 | 8.1 | -7.9 | 1.8 | | 99 | 6.4 | -6.3 | 1.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 3/30 1745 GMT | | | | 3/31 0 4 GMT | | | | 3/31 555 GMT | | | | 4/ 1 1321 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 269 | 11.9 | 11.9 | .3 | 265 | 15.8 | 15.7 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 260 | 9.4 | 9.2 | 1.6 | 281 | 7.6 | 7.5 | -1.4 | 279 | 4.1 | 4.0 | -.6 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 273 | 13.3 | 13.2 | -.8 | 265 | 9.5 | 9.5 | .8 | 282 | 9.8 | 9.6 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 240 | 11.9 | 10.4 | 5.9 | 248 | 16.4 | 15.2 | 6.0 | 247 | 17.7 | 16.3 | 6.9 | 248 | 10.2 | 9.5 | 3.7 | 17121 |
| 100 | 274 | 16.5 | 16.4 | -1.0 | 273 | 12.6 | 12.5 | -.6 | 253 | 16.7 | 15.9 | 5.0 | 242 | 17.1 | 15.0 | 8.1 | 16521 |
| 110 | 274 | 16.1 | 16.1 | -1.1 | 276 | 16.0 | 15.9 | -1.7 | 257 | 12.1 | 11.8 | 2.8 | 243 | 19.4 | 17.3 | 8.7 | 15978 |
| 120 | 307 | 13.5 | 10.8 | -8.1 | 314 | 10.6 | 7.7 | -7.3 | 309 | 12.2 | 9.6 | -7.6 | 286 | 14.4 | 13.9 | -3.9 | 15479 |
| 130 | 328 | 17.4 | 9.3 | -14.6 | 332 | 24.1 | 11.5 | -21.2 | 324 | 23.5 | 13.8 | -19.0 | 301 | 17.6 | 15.2 | -9.0 | 15014 |
| 140 | 338 | 26.6 | 10.1 | -24.6 | 329 | 34.6 | 17.9 | -29.7 | 324 | 36.0 | 21.2 | -29.1 | 290 | 25.7 | 24.2 | -8.7 | 14578 |
| 150 | 332 | 37.6 | 17.4 | -33.3 | 322 | 42.4 | 26.0 | -33.5 | 321 | 39.4 | 24.6 | -30.8 | 287 | 30.0 | 28.6 | -9.0 | 14167 |
| 160 | 322 | 43.7 | 26.6 | -34.6 | 314 | 42.4 | 30.4 | -29.6 | 321 | 36.6 | 23.2 | -28.4 | 285 | 30.3 | 29.2 | -8.0 | 13776 |
| 170 | 315 | 46.5 | 33.1 | -32.6 | 313 | 41.1 | 30.1 | -28.0 | 319 | 42.3 | 28.0 | -31.7 | 285 | 29.1 | 28.1 | -7.4 | 13404 |
| 180 | 311 | 46.2 | 34.9 | -30.3 | 315 | 39.5 | 27.8 | -28.1 | 317 | 36.1 | 24.7 | -26.3 | 275 | 30.8 | 30.6 | -2.9 | 13049 |
| 190 | 309 | 42.1 | 32.7 | -26.4 | 317 | 38.8 | 26.4 | -28.4 | 318 | 27.0 | 18.1 | -20.0 | 273 | 26.2 | 26.1 | -1.3 | 12709 |
| 200 | 307 | 32.5 | 25.9 | -19.5 | 318 | 36.9 | 24.6 | -27.5 | 320 | 24.7 | 15.8 | -18.9 | 272 | 24.0 | 23.9 | -1.0 | 12383 |
| 225 | 294 | 21.4 | 19.5 | -8.7 | 315 | 29.7 | 20.8 | -21.2 | 320 | 20.9 | 13.4 | -16.1 | 254 | 15.6 | 15.0 | 4.2 | 11617 |
| 250 | 296 | 16.4 | 14.8 | -7.1 | 311 | 23.0 | 17.3 | -15.2 | 318 | 20.3 | 13.6 | -15.1 | 257 | 14.2 | 13.8 | 3.3 | 10914 |
| 275 | 289 | 16.5 | 15.6 | -5.4 | 316 | 17.4 | 12.2 | -12.4 | 323 | 16.0 | 9.6 | -12.8 | 276 | 14.9 | 14.8 | -1.6 | 10262 |
| 300 | 289 | 10.6 | 10.0 | -3.4 | 295 | 17.2 | 15.6 | -7.3 | 303 | 23.4 | 19.7 | -12.6 | 269 | 10.1 | 10.1 | .2 | 9654 |
| 325 | 250 | 5.1 | 4.8 | 1.8 | 283 | 19.7 | 19.2 | -4.5 | 280 | 18.1 | 17.8 | -3.1 | 263 | 9.5 | 9.4 | 1.1 | 9084 |
| 350 | 259 | 5.1 | 5.0 | 1.0 | 279 | 12.8 | 12.6 | -1.9 | 263 | 14.3 | 14.2 | 1.7 | 275 | 10.4 | 10.4 | -.8 | 8546 |
| 375 | 301 | 5.6 | 4.8 | -2.9 | 239 | 9.1 | 7.8 | 4.8 | 237 | 13.0 | 10.8 | 7.1 | 265 | 8.5 | 8.5 | .7 | 8039 |
| 400 | 286 | 3.7 | 3.5 | -1.0 | 226 | 10.8 | 7.7 | 7.5 | 241 | 15.8 | 13.8 | 7.7 | 268 | 8.8 | 8.8 | .3 | 7557 |
| 425 | 255 | 5.7 | 5.5 | 1.5 | 230 | 10.6 | 8.2 | 6.8 | 247 | 15.7 | 14.5 | 6.2 | 265 | 10.0 | 9.9 | .8 | 7099 |
| 450 | 200 | 7.1 | 2.5 | 6.7 | 224 | 12.9 | 9.0 | 9.2 | 230 | 13.8 | 10.5 | 8.9 | 258 | 6.7 | 6.6 | 1.4 | 6662 |
| 475 | 193 | 9.0 | 2.0 | 8.7 | 218 | 13.4 | 8.2 | 10.6 | 214 | 11.1 | 6.2 | 9.2 | 261 | 6.3 | 6.2 | 1.0 | 6244 |
| 500 | 199 | 6.4 | 2.1 | 6.1 | 216 | 9.9 | 5.9 | 8.0 | 203 | 10.9 | 4.2 | 10.1 | 267 | 8.3 | 8.3 | .4 | 5844 |
| 525 | 124 | 1.2 | -1.0 | .7 | 185 | 3.5 | .3 | 3.5 | 185 | 8.2 | .7 | 8.2 | 270 | 10.7 | 10.7 | -.0 | 5460 |
| 550 | 80 | 5.1 | -5.0 | -.9 | 142 | 4.8 | -3.0 | 3.8 | 147 | 6.0 | -3.3 | 5.1 | 269 | 8.1 | 8.1 | .1 | 5091 |
| 575 | 107 | 6.2 | -5.9 | 1.9 | 158 | 6.4 | -2.4 | 6.0 | 143 | 6.5 | -3.9 | 5.2 | 263 | 4.3 | 4.2 | .5 | 4736 |
| 600 | 137 | 5.1 | -3.5 | 3.8 | 164 | 7.6 | -2.1 | 7.3 | 161 | 5.1 | -1.7 | 4.8 | 304 | 2.1 | 1.8 | -1.2 | 4393 |
| 625 | 125 | 5.0 | -4.1 | 2.9 | 155 | 7.0 | -3.0 | 6.3 | 129 | 6.1 | -4.7 | 3.8 | 13 | 4.4 | -1.0 | -4.3 | 4062 |
| 650 | 116 | 5.6 | -5.0 | 2.4 | 137 | 5.6 | -3.8 | 4.1 | 110 | 5.4 | -5.1 | 1.8 | 32 | 6.9 | -3.7 | -5.9 | 3742 |
| 675 | 106 | 5.0 | -4.8 | 1.4 | 109 | 4.6 | -4.4 | 1.5 | 83 | 6.6 | -6.6 | -.8 | 36 | 8.0 | -4.7 | -6.4 | 3431 |
| 700 | 83 | 7.0 | -6.9 | -.9 | 80 | 6.5 | -6.4 | -1.2 | 83 | 11.3 | -11.2 | -1.4 | 64 | 11.2 | -10.1 | -4.8 | 3130 |
| 725 | 88 | 10.5 | -10.5 | -.4 | 93 | 9.0 | -9.0 | .4 | 92 | 13.5 | -13.5 | .5 | 80 | 13.5 | -13.3 | -2.3 | 2837 |
| 750 | 92 | 11.3 | -11.3 | .4 | 91 | 11.4 | -11.4 | .2 | 93 | 13.6 | -13.6 | .7 | 80 | 10.0 | -9.9 | -1.8 | 2553 |
| 775 | 87 | 10.6 | -10.6 | -.5 | 84 | 13.8 | -13.7 | -1.5 | 84 | 14.0 | -13.9 | -1.4 | 100 | 11.1 | -10.9 | 2.0 | 2276 |
| 800 | 84 | 10.7 | -10.6 | -1.2 | 83 | 14.3 | -14.2 | -1.8 | 75 | 14.9 | -14.4 | -3.9 | 113 | 15.9 | -14.7 | 6.1 | 2007 |
| 825 | 79 | 10.1 | -9.9 | -2.0 | 85 | 12.0 | -11.9 | -1.1 | 69 | 13.8 | -13.0 | -4.9 | 111 | 16.1 | -15.0 | 5.8 | 1745 |
| 850 | 74 | 9.9 | -9.5 | -2.8 | 85 | 10.1 | -10.1 | -.8 | 68 | 12.1 | -11.2 | -4.5 | 105 | 14.9 | -14.4 | 3.8 | 1490 |
| 875 | 79 | 10.1 | -9.9 | -1.9 | 87 | 10.4 | -10.3 | -.6 | 71 | 11.3 | -10.6 | -3.7 | 104 | 18.5 | -18.0 | 4.6 | 1242 |
| 900 | 91 | 10.4 | -10.4 | .2 | 88 | 9.9 | -9.9 | -.3 | 74 | 11.4 | -10.9 | -3.2 | 108 | 20.7 | -19.8 | 6.3 | 999 |
| 925 | 104 | 11.1 | -10.8 | 2.6 | 89 | 8.3 | -8.3 | -.2 | 76 | 11.7 | -11.3 | -2.8 | 109 | 18.9 | -17.8 | 6.3 | 762 |
| 950 | 112 | 9.9 | -9.2 | 3.7 | 89 | 6.7 | -6.7 | -.1 | 76 | 11.1 | -10.8 | -2.6 | 107 | 19.8 | -18.9 | 5.9 | 529 |
| 975 | 120 | 5.8 | -5.0 | 2.9 | 89 | 6.2 | -6.2 | -.1 | 76 | 9.2 | -8.9 | -2.2 | 101 | 23.8 | -23.3 | 4.7 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 1 1637 GMT | | | | | 4/ 1 1835 GMT | | | | | 4/ 1 2055 GMT | | | | | 4/ 1 2320 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 18.9 | 18.7 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 19.5 | 18.8 | 5.1 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 11.1 | 11.0 | 1.1 | | 265 | 15.3 | 15.3 | 1.2 | | 270 | 14.8 | 14.8 | .0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 9.8 | 9.8 | .6 | 2 | 280 | 9.8 | 9.6 | -1.7 | | 282 | 10.6 | 10.4 | -2.2 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 239 | 10.6 | 9.1 | 5.5 | | 271 | 8.6 | 8.6 | -.1 | | 230 | 12.2 | 9.3 | 7.8 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 226 | 17.2 | 12.4 | 11.8 | | 222 | 14.6 | 9.7 | 10.9 | | 217 | 18.6 | 11.3 | 14.8 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 241 | 20.7 | 18.1 | 9.9 | 2 | 230 | 19.2 | 14.6 | 12.4 | 2 | 242 | 17.7 | 15.7 | 8.3 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 266 | 14.8 | 14.7 | 1.1 | | 251 | 16.8 | 16.0 | 5.3 | 2 | 259 | 13.6 | 13.3 | 2.7 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 299 | 15.9 | 13.9 | -7.7 | | 278 | 14.2 | 14.0 | -2.0 | 3 | 287 | 17.2 | 16.5 | -4.9 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 300 | 22.5 | 19.6 | -11.1 | | 301 | 21.4 | 18.3 | -11.1 | | 289 | 25.1 | 23.7 | -8.0 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 28.5 | 27.1 | -8.8 | | 296 | 27.6 | 24.8 | -12.2 | 3 | 283 | 27.8 | 27.0 | -6.4 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 29.8 | 29.4 | -5.4 | | 289 | 30.8 | 29.2 | -9.9 | 2 | 281 | 28.7 | 28.2 | -5.5 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 27.0 | 27.0 | .7 | | 284 | 29.4 | 28.4 | -7.3 | | 276 | 29.4 | 29.3 | -3.0 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 23.0 | 22.5 | 4.6 | | 276 | 25.6 | 25.5 | -2.5 | 3 | 273 | 27.0 | 27.0 | -1.2 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 20.9 | 20.6 | 3.9 | 1 | 266 | 23.1 | 23.1 | 1.4 | 2 | 274 | 22.8 | 22.7 | -1.6 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 18.5 | 17.9 | 4.7 | 0 | 262 | 19.6 | 19.3 | 2.9 | 3 | 276 | 18.7 | 18.6 | -1.9 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 242 | 10.8 | 9.6 | 5.0 | 2 | 240 | 10.0 | 8.7 | 5.0 | | 262 | 18.1 | 17.9 | 2.6 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 10.6 | 10.4 | 2.3 | 2 | 236 | 8.0 | 6.7 | 4.4 | | 252 | 8.8 | 8.3 | 2.7 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 259 | 6.4 | 6.2 | 1.2 | | 243 | 6.1 | 5.4 | 2.8 | | 247 | 5.6 | 5.1 | 2.2 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 175 | 2.9 | -.3 | 2.9 | 2 | 179 | 4.0 | -.1 | 4.0 | | 263 | 2.8 | 2.8 | .3 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 3.8 | -3.6 | 1.3 | | 144 | 5.0 | -2.9 | 4.0 | | 147 | 4.5 | -2.5 | 3.8 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 122 | 6.6 | -5.5 | 3.5 | | 115 | 8.6 | -7.7 | 3.6 | | 124 | 4.2 | -3.5 | 2.4 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 124 | 5.1 | -4.2 | 2.8 | | 120 | 6.9 | -6.0 | 3.4 | | 99 | 5.6 | -5.5 | .8 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 124 | 6.6 | -5.5 | 3.7 | | 99 | 6.0 | -6.0 | .9 | | 345 | .3 | .1 | -.3 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 120 | 9.7 | -8.4 | 4.8 | | 93 | 6.6 | -6.6 | .3 | | 208 | 9.8 | 4.6 | 8.6 | 7099 |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 125 | 9.9 | -8.1 | 5.7 | | 165 | 5.4 | -1.4 | 5.2 | | 203 | 10.6 | 4.1 | 9.7 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 4.7 | -4.7 | .5 | | 203 | 10.8 | 4.2 | 10.0 | | 209 | 5.8 | 2.8 | 5.1 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 50 | 9.2 | -7.0 | -5.9 | | 196 | 7.5 | 2.1 | 7.2 | 2 | 227 | 3.9 | 2.8 | 2.6 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 62 | 12.8 | -11.3 | -6.0 | | 223 | 3.5 | 2.4 | 2.6 | 3 | 267 | 4.1 | 4.1 | .2 | 5460 |
| 550 | | 81 | 7.9 | -7.8 | -1.2 | | 91 | 9.1 | -9.1 | .2 | | 218 | 2.5 | 1.5 | 1.9 | 2 | 282 | 5.2 | 5.1 | -1.1 | 5091 |
| 575 | | 79 | 6.9 | -6.8 | -1.4 | | 109 | 7.1 | -6.7 | 2.3 | | 187 | 3.6 | .5 | 3.6 | | 278 | 3.0 | 3.0 | -.4 | 4736 |
| 600 | | 48 | 10.7 | -7.9 | -7.2 | | 116 | 6.4 | -5.8 | 2.8 | | 201 | 4.1 | 1.4 | 3.8 | | 287 | 4.0 | 3.8 | -1.2 | 4393 |
| 625 | | 58 | 11.6 | -9.8 | -6.1 | | 137 | 8.6 | -5.8 | 6.3 | | 152 | 2.3 | -1.1 | 2.0 | | 295 | 4.5 | 4.1 | -1.9 | 4062 |
| 650 | | 65 | 7.9 | -7.2 | -3.3 | | 186 | 6.5 | .7 | 6.4 | | 107 | 6.1 | -5.8 | 1.8 | | 124 | 1.8 | -1.5 | 1.0 | 3742 |
| 675 | | 88 | 6.9 | -6.9 | -.2 | | 237 | 9.0 | 7.5 | 5.0 | | 100 | 10.0 | -9.9 | 1.6 | | 115 | 6.2 | -5.6 | 2.6 | 3431 |
| 700 | | 114 | 8.9 | -8.1 | 3.7 | | 239 | 8.0 | 6.9 | 4.1 | | 98 | 11.2 | -11.1 | 1.6 | | 102 | 9.8 | -9.6 | 2.0 | 3130 |
| 725 | | 127 | 7.9 | -6.3 | 4.7 | | 169 | 4.8 | -.9 | 4.7 | | 99 | 10.8 | -10.7 | 1.6 | | 100 | 11.4 | -11.2 | 2.0 | 2837 |
| 750 | | 164 | 3.7 | -1.0 | 3.5 | | 133 | 8.2 | -6.1 | 5.6 | | 94 | 8.9 | -8.9 | .6 | | 100 | 11.7 | -11.6 | 2.1 | 2553 |
| 775 | 3 | 127 | 7.8 | -6.2 | 4.7 | | 127 | 9.6 | -7.7 | 5.8 | | 80 | 6.8 | -6.7 | -1.2 | | 88 | 12.1 | -12.1 | -.3 | 2276 |
| 800 | | 126 | 12.3 | -9.9 | 7.3 | | 129 | 9.0 | -7.1 | 5.7 | | 75 | 13.4 | -13.0 | -3.5 | | 78 | 12.8 | -12.5 | -2.8 | 2007 |
| 825 | | 126 | 13.5 | -10.9 | 8.0 | | 129 | 8.5 | -6.7 | 5.3 | | 76 | 17.0 | -16.5 | -4.2 | 3 | 74 | 13.6 | -13.1 | -3.7 | 1745 |
| 850 | | 112 | 15.4 | -14.3 | 5.7 | | 116 | 9.4 | -8.5 | 4.2 | | 76 | 16.2 | -15.7 | -4.0 | 3 | 75 | 13.6 | -13.1 | -3.6 | 1490 |
| 875 | | 100 | 13.6 | -13.4 | 2.3 | | 97 | 11.5 | -11.4 | 1.4 | | 75 | 13.7 | -13.2 | -3.6 | | 79 | 12.6 | -12.3 | -2.4 | 1242 |
| 900 | | 96 | 12.9 | -12.9 | 1.4 | | 85 | 14.5 | -14.5 | -1.2 | | 74 | 12.0 | -11.6 | -3.3 | | 87 | 11.8 | -11.7 | -.6 | 999 |
| 925 | | 91 | 15.6 | -15.6 | .4 | | 85 | 15.8 | -15.8 | -1.4 | | 78 | 12.5 | -12.2 | -2.6 | | 94 | 10.6 | -10.6 | .7 | 762 |
| 950 | | 84 | 16.7 | -16.6 | -1.8 | | 86 | 14.4 | -14.3 | -.9 | | 84 | 11.4 | -11.4 | -1.3 | | 95 | 8.5 | -8.4 | .8 | 529 |
| 975 | | 79 | 13.2 | -13.0 | -2.4 | | 90 | 11.3 | -11.3 | .1 | | 83 | 8.7 | -8.7 | -1.0 | | 87 | 6.5 | -6.4 | -.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 2 230 GMT | | | | 4/ 2 529 GMT | | | | 4/ 2 829 GMT | | | | 4/ 2 1126 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 18.1 | 17.4 | -5.0 | 19517 |
| 70 | | 255 | 16.5 | 15.9 | 4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 15.9 | 15.1 | 5.1 | | 261 | 21.9 | 21.6 | 3.3 | 18589 |
| 80 | | 281 | 12.9 | 12.7 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 12.2 | 12.1 | -1.1 | | 265 | 14.1 | 14.0 | 1.3 | 17801 |
| 90 | | 274 | 10.4 | 10.4 | -.8 | | 271 | 11.1 | 11.1 | -.3 | | 287 | 12.8 | 12.2 | -3.8 | | 292 | 16.5 | 15.3 | -6.1 | 17121 |
| 100 | | 221 | 21.2 | 13.9 | 16.0 | | 225 | 20.8 | 14.7 | 14.6 | | 224 | 22.4 | 15.6 | 16.0 | | 243 | 12.7 | 11.3 | 5.8 | 16521 |
| 110 | | 232 | 23.7 | 18.8 | 14.5 | | 239 | 22.6 | 19.3 | 11.6 | | 227 | 29.3 | 21.4 | 20.0 | | 226 | 24.1 | 17.3 | 16.7 | 15978 |
| 120 | | 248 | 18.5 | 17.1 | 7.1 | | 271 | 19.5 | 19.5 | -.2 | | 242 | 22.6 | 20.0 | 10.5 | | 240 | 26.6 | 22.9 | 13.4 | 15479 |
| 130 | | 280 | 19.1 | 18.8 | -3.2 | | 275 | 23.7 | 23.6 | -2.3 | | 260 | 21.9 | 21.6 | 3.7 | | 246 | 22.3 | 20.4 | 8.9 | 15014 |
| 140 | | 282 | 25.7 | 25.1 | -5.5 | | 269 | 24.1 | 24.1 | .6 | | 260 | 26.4 | 25.9 | 4.8 | | 240 | 20.7 | 18.0 | 10.2 | 14578 |
| 150 | | 279 | 27.7 | 27.4 | -4.3 | | 264 | 21.9 | 21.8 | 2.3 | | 258 | 25.3 | 24.8 | 5.2 | | 234 | 23.0 | 18.7 | 13.5 | 14167 |
| 160 | | 273 | 22.7 | 22.7 | -1.2 | | 264 | 21.2 | 21.1 | 2.4 | | 257 | 23.1 | 22.6 | 5.0 | | 232 | 22.7 | 17.9 | 13.9 | 13776 |
| 170 | | 279 | 20.4 | 20.2 | -3.2 | | 258 | 20.4 | 19.9 | 4.2 | | 253 | 20.2 | 19.4 | 5.9 | | 233 | 22.3 | 17.8 | 13.4 | 13404 |
| 180 | | 276 | 20.1 | 19.9 | -2.2 | | 254 | 17.2 | 16.5 | 4.8 | | 245 | 18.1 | 16.3 | 7.7 | | 233 | 19.5 | 15.6 | 11.8 | 13049 |
| 190 | | 269 | 17.3 | 17.3 | .2 | | 260 | 14.0 | 13.8 | 2.4 | | 244 | 15.7 | 14.1 | 6.9 | | 236 | 16.8 | 14.0 | 9.4 | 12709 |
| 200 | | 268 | 14.3 | 14.3 | .4 | | 263 | 14.0 | 13.9 | 1.7 | | 245 | 12.6 | 11.5 | 5.3 | | 244 | 15.8 | 14.2 | 7.0 | 12383 |
| 225 | | 261 | 15.4 | 15.2 | 2.5 | | 244 | 13.1 | 11.8 | 5.7 | | 242 | 11.3 | 10.0 | 5.3 | | 221 | 10.7 | 7.0 | 8.0 | 11617 |
| 250 | | 255 | 11.3 | 10.9 | 2.9 | | 248 | 11.2 | 10.4 | 4.2 | | 236 | 11.9 | 9.8 | 6.7 | | 213 | 11.8 | 6.5 | 9.9 | 10914 |
| 275 | | 273 | 6.7 | 6.7 | -.3 | | 259 | 6.5 | 6.4 | 1.2 | | 243 | 11.9 | 10.6 | 5.4 | | 241 | 11.3 | 9.8 | 5.5 | 10262 |
| 300 | | 305 | 5.3 | 4.3 | -3.0 | 2 | 296 | 4.9 | 4.4 | -2.1 | | 247 | 7.2 | 6.6 | 2.9 | | 238 | 8.7 | 7.3 | 4.6 | 9654 |
| 325 | | 310 | 4.0 | 3.0 | -2.5 | 0 | 293 | 3.5 | 3.3 | -1.4 | | 244 | 3.6 | 3.3 | 1.6 | | 231 | 7.0 | 5.5 | 4.4 | 9084 |
| 350 | | 259 | 2.8 | 2.8 | .6 | 2 | 264 | 5.7 | 5.7 | .6 | | 260 | 7.6 | 7.4 | 1.4 | | 276 | 8.9 | 8.8 | -.9 | 8546 |
| 375 | 3 | 192 | 8.1 | 1.7 | 7.9 | | 247 | 8.8 | 8.1 | 3.5 | | 250 | 9.2 | 8.6 | 3.1 | | 256 | 14.5 | 14.1 | 3.4 | 8039 |
| 400 | | 221 | 12.7 | 8.3 | 9.5 | | 237 | 13.6 | 11.4 | 7.5 | | 250 | 15.8 | 14.8 | 5.5 | | 249 | 17.1 | 16.0 | 6.2 | 7557 |
| 425 | | 219 | 15.6 | 9.8 | 12.2 | | 232 | 14.4 | 11.4 | 8.9 | | 246 | 16.3 | 15.0 | 6.5 | | 264 | 16.7 | 16.6 | 1.8 | 7099 |
| 450 | | 204 | 12.4 | 5.0 | 11.4 | | 211 | 11.5 | 5.9 | 9.9 | | 225 | 12.0 | 8.5 | 8.5 | | 254 | 11.6 | 11.1 | 3.2 | 6662 |
| 475 | | 194 | 8.1 | 2.0 | 7.8 | | 199 | 8.5 | 2.7 | 8.0 | | 223 | 10.0 | 6.8 | 7.3 | | 256 | 8.1 | 7.9 | 2.0 | 6244 |
| 500 | | 213 | 7.9 | 4.3 | 6.6 | | 212 | 7.8 | 4.1 | 6.6 | | 234 | 9.4 | 7.6 | 5.5 | | 278 | 8.5 | 8.4 | -1.1 | 5844 |
| 525 | | 232 | 7.2 | 5.6 | 4.4 | | 232 | 7.1 | 5.6 | 4.4 | | 229 | 7.9 | 6.0 | 5.2 | | 264 | 6.3 | 6.3 | .6 | 5460 |
| 550 | | 266 | 4.3 | 4.3 | .3 | | 221 | 3.5 | 2.3 | 2.6 | | 243 | 4.3 | 3.8 | 2.0 | | 306 | 3.2 | 2.6 | -1.9 | 5091 |
| 575 | | 328 | 6.2 | 3.3 | -5.3 | | 309 | 2.9 | 2.3 | -1.8 | | 309 | 3.4 | 2.6 | -2.2 | | 11 | 4.4 | -.8 | -4.3 | 4736 |
| 600 | | 6 | 7.9 | -.8 | -7.9 | | 6 | 6.3 | -.7 | -6.3 | | 40 | 4.6 | -2.9 | -3.5 | | 36 | 6.1 | -3.6 | -4.9 | 4393 |
| 625 | | 360 | 5.8 | .0 | -5.8 | | 10 | 6.3 | -1.1 | -6.2 | | 60 | 6.0 | -5.2 | -3.0 | | 44 | 5.9 | -4.2 | -4.2 | 4062 |
| 650 | | 8 | 2.2 | -.3 | -2.1 | | 4 | 4.2 | -.3 | -4.2 | | 82 | 3.1 | -3.1 | -.5 | | 62 | 4.6 | -4.1 | -2.2 | 3742 |
| 675 | | 108 | 2.6 | -2.5 | .8 | | 60 | 3.5 | -3.0 | -1.7 | | 81 | 3.7 | -3.7 | -.6 | | 80 | 6.1 | -6.1 | -1.0 | 3431 |
| 700 | | 106 | 6.1 | -5.8 | 1.7 | | 89 | 7.1 | -7.1 | -.1 | | 84 | 8.1 | -8.1 | -.8 | | 84 | 7.6 | -7.5 | -.8 | 3130 |
| 725 | | 94 | 9.6 | -9.6 | .7 | | 85 | 9.6 | -9.6 | -.9 | | 91 | 9.5 | -9.5 | .1 | | 91 | 8.4 | -8.4 | .2 | 2837 |
| 750 | | 84 | 10.3 | -10.2 | -1.1 | | 78 | 10.0 | -9.8 | -2.1 | | 96 | 10.7 | -10.6 | 1.1 | | 90 | 8.6 | -8.6 | -.0 | 2553 |
| 775 | | 75 | 10.1 | -9.7 | -2.6 | | 80 | 10.2 | -10.1 | -1.8 | | 98 | 12.6 | -12.4 | 1.8 | | 87 | 12.3 | -12.3 | -.6 | 2276 |
| 800 | | 70 | 10.4 | -9.8 | -3.5 | | 83 | 11.5 | -11.4 | -1.4 | | 93 | 13.0 | -13.0 | .8 | | 90 | 15.0 | -15.0 | -.1 | 2007 |
| 825 | | 69 | 11.7 | -10.9 | -4.2 | 3 | 86 | 13.1 | -13.0 | -.9 | | 88 | 14.7 | -14.7 | -.6 | | 83 | 10.0 | -9.9 | -1.2 | 1745 |
| 850 | | 73 | 13.3 | -12.8 | -3.8 | 1 | 91 | 13.5 | -13.5 | .2 | | 92 | 15.0 | -15.0 | .4 | | 77 | 8.3 | -8.1 | -1.9 | 1490 |
| 875 | | 79 | 13.5 | -13.3 | -2.5 | 0 | 94 | 12.7 | -12.7 | .9 | | 95 | 13.4 | -13.4 | 1.2 | | 87 | 10.7 | -10.7 | -.5 | 1242 |
| 900 | | 84 | 12.4 | -12.4 | -1.3 | 0 | 94 | 11.2 | -11.2 | .9 | | 91 | 12.1 | -12.1 | .3 | | 98 | 10.6 | -10.5 | 1.4 | 999 |
| 925 | | 89 | 10.9 | -10.9 | -.2 | 0 | 92 | 9.4 | -9.3 | .4 | | 90 | 9.4 | -9.4 | .1 | | 105 | 10.2 | -9.9 | 2.7 | 762 |
| 950 | | 95 | 8.8 | -8.7 | .8 | 1 | 93 | 7.9 | -7.9 | .4 | | 95 | 6.1 | -6.1 | .5 | | 107 | 9.2 | -8.8 | 2.7 | 529 |
| 975 | | 103 | 6.9 | -6.7 | 1.6 | | 100 | 7.0 | -6.9 | 1.2 | | 103 | 4.5 | -4.4 | 1.0 | | 109 | 7.2 | -6.8 | 2.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 2 1730 GMT | | | | 4/ 2 2320 GMT | | | | 4/ 3 542 GMT | | | | 4/ 3 1214 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 282 | 17.9 | 17.4 | -3.9 | | 281 | 20.9 | 20.6 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 18.5 | 18.3 | -2.9 | 19517 |
| 70 | | 274 | 18.0 | 18.0 | -1.4 | | 284 | 20.3 | 19.7 | -5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 12.7 | 12.2 | -3.4 | 18589 |
| 80 | | 275 | 16.8 | 16.7 | -1.5 | | 277 | 14.8 | 14.7 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 19.8 | 18.6 | 6.6 | 17801 |
| 90 | | 299 | 20.0 | 17.4 | -9.7 | | 297 | 22.4 | 20.0 | -10.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 24.3 | 22.2 | -9.7 | 17121 |
| 100 | | 245 | 14.1 | 12.7 | 6.0 | | 267 | 12.3 | 12.3 | .6 | | 270 | 18.4 | 18.4 | -.0 | | 273 | 27.2 | 27.2 | -1.2 | 16521 |
| 110 | | 236 | 32.7 | 27.0 | 18.4 | | 244 | 33.9 | 30.5 | 14.9 | | 260 | 26.2 | 25.8 | 4.4 | | 278 | 30.8 | 30.5 | -4.4 | 15978 |
| 120 | | 246 | 32.4 | 29.6 | 13.2 | | 245 | 32.2 | 29.2 | 13.8 | | 255 | 33.1 | 32.0 | 8.5 | | 263 | 31.6 | 31.3 | 4.1 | 15479 |
| 130 | | 254 | 24.1 | 23.1 | 6.6 | | 261 | 28.3 | 28.0 | 4.4 | | 258 | 34.8 | 34.0 | 7.2 | | 252 | 36.4 | 34.7 | 11.0 | 15014 |
| 140 | | 259 | 26.2 | 25.7 | 5.1 | 3 | 263 | 29.9 | 29.7 | 3.7 | | 255 | 29.5 | 28.5 | 7.5 | | 254 | 35.6 | 34.2 | 10.0 | 14578 |
| 150 | | 265 | 26.7 | 26.6 | 2.4 | 2 | 263 | 26.9 | 26.7 | 3.3 | | 247 | 24.3 | 22.4 | 9.4 | | 252 | 33.2 | 31.5 | 10.4 | 14167 |
| 160 | | 264 | 27.2 | 27.0 | 2.8 | | 260 | 23.2 | 22.9 | 3.9 | | 245 | 24.4 | 22.2 | 10.2 | | 250 | 25.1 | 23.6 | 8.6 | 13776 |
| 170 | | 266 | 23.4 | 23.3 | 1.8 | | 251 | 23.4 | 22.1 | 7.6 | | 251 | 22.9 | 21.6 | 7.6 | | 249 | 19.1 | 17.8 | 6.9 | 13404 |
| 180 | | 269 | 20.3 | 20.3 | .4 | | 242 | 24.9 | 22.1 | 11.6 | | 250 | 19.8 | 18.5 | 6.8 | | 249 | 18.9 | 17.7 | 6.7 | 13049 |
| 190 | | 264 | 17.4 | 17.3 | 1.9 | | 241 | 22.6 | 19.7 | 10.9 | | 243 | 16.9 | 15.1 | 7.7 | | 256 | 15.3 | 14.9 | 3.7 | 12709 |
| 200 | | 256 | 16.4 | 15.9 | 4.0 | | 244 | 21.4 | 19.3 | 9.2 | | 238 | 15.9 | 13.4 | 8.5 | | 248 | 12.0 | 11.1 | 4.6 | 12383 |
| 225 | | 240 | 14.4 | 12.4 | 7.3 | 2 | 230 | 18.1 | 13.9 | 11.5 | | 241 | 15.0 | 13.1 | 7.3 | | 248 | 17.8 | 16.5 | 6.7 | 11617 |
| 250 | | 175 | 14.5 | -1.2 | 14.5 | | 222 | 14.2 | 9.4 | 10.6 | | 224 | 15.4 | 10.7 | 11.1 | | 193 | 20.6 | 4.6 | 20.1 | 10914 |
| 275 | | 185 | 11.4 | 1.1 | 11.4 | | 191 | 13.1 | 2.5 | 12.8 | | 199 | 14.1 | 4.6 | 13.3 | | 191 | 15.3 | 3.0 | 15.0 | 10262 |
| 300 | | 212 | 9.0 | 4.7 | 7.6 | | 202 | 7.3 | 2.8 | 6.8 | | 205 | 10.5 | 4.5 | 9.5 | | 204 | 9.2 | 3.8 | 8.4 | 9654 |
| 325 | | 245 | 12.8 | 11.7 | 5.4 | | 256 | 13.1 | 12.7 | 3.3 | | 222 | 8.9 | 6.0 | 6.6 | | 230 | 6.7 | 5.1 | 4.3 | 9084 |
| 350 | | 257 | 12.0 | 11.7 | 2.7 | | 265 | 15.0 | 14.9 | 1.2 | | 256 | 14.5 | 14.1 | 3.4 | | 252 | 10.8 | 10.3 | 3.3 | 8546 |
| 375 | | 255 | 13.9 | 13.5 | 3.7 | | 263 | 14.1 | 14.0 | 1.6 | | 260 | 13.0 | 12.8 | 2.3 | | 268 | 17.4 | 17.4 | .8 | 8039 |
| 400 | | 247 | 17.0 | 15.7 | 6.6 | 3 | 254 | 15.6 | 15.0 | 4.2 | | 269 | 16.2 | 16.2 | .3 | | 265 | 16.4 | 16.4 | 1.5 | 7557 |
| 425 | | 260 | 16.0 | 15.7 | 2.7 | 2 | 245 | 15.9 | 14.5 | 6.6 | | 261 | 13.1 | 12.9 | 2.1 | | 265 | 15.2 | 15.1 | 1.4 | 7099 |
| 450 | | 271 | 13.1 | 13.1 | -.2 | | 263 | 12.4 | 12.4 | 1.4 | | 254 | 13.7 | 13.1 | 3.8 | | 260 | 13.9 | 13.7 | 2.4 | 6662 |
| 475 | | 264 | 7.6 | 7.6 | .8 | 3 | 275 | 9.6 | 9.6 | -.9 | | 260 | 7.2 | 7.1 | 1.3 | | 256 | 12.2 | 11.8 | 2.9 | 6244 |
| 500 | | 297 | 4.0 | 3.6 | -1.8 | 2 | 257 | 6.3 | 6.2 | 1.4 | | 289 | 7.3 | 6.9 | -2.4 | | 279 | 7.9 | 7.8 | -1.3 | 5844 |
| 525 | | 7 | 4.5 | -.5 | -4.5 | 3 | 248 | 2.4 | 2.2 | .9 | | 272 | 6.0 | 6.0 | -.2 | | 298 | 6.4 | 5.6 | -3.0 | 5460 |
| 550 | | 295 | .2 | .2 | -.1 | 2 | 249 | .6 | .6 | .2 | | 277 | 4.3 | 4.2 | -.5 | | 307 | 5.4 | 4.3 | -3.2 | 5091 |
| 575 | | 129 | .4 | -.3 | .3 | | 285 | 1.3 | 1.2 | -.3 | | 260 | 1.9 | 1.9 | .3 | | 324 | 4.3 | 2.5 | -3.5 | 4736 |
| 600 | | 75 | 2.9 | -2.8 | -.7 | | 57 | 2.1 | -1.8 | -1.2 | | 205 | 1.0 | .4 | .9 | | 349 | 1.9 | .4 | -1.9 | 4393 |
| 625 | | 73 | 5.2 | -5.0 | -1.5 | | 79 | 4.9 | -4.8 | -.9 | | 82 | 4.1 | -4.1 | -.5 | | 44 | 1.4 | -1.0 | -1.0 | 4062 |
| 650 | | 73 | 4.8 | -4.6 | -1.4 | | 89 | 4.4 | -4.4 | -.1 | | 71 | 4.4 | -4.2 | -1.5 | | 71 | 2.9 | -2.8 | -.9 | 3742 |
| 675 | | 76 | 4.6 | -4.5 | -1.1 | | 96 | 4.1 | -4.0 | .4 | | 78 | 4.3 | -4.2 | -.9 | | 90 | 5.6 | -5.6 | .0 | 3431 |
| 700 | | 75 | 5.6 | -5.4 | -1.4 | | 94 | 4.7 | -4.7 | .4 | | 96 | 5.8 | -5.7 | .6 | | 107 | 6.3 | -6.1 | 1.9 | 3130 |
| 725 | | 86 | 7.5 | -7.4 | -.5 | | 97 | 5.6 | -5.6 | .7 | | 115 | 5.0 | -4.6 | 2.1 | | 124 | 6.8 | -5.6 | 3.8 | 2837 |
| 750 | | 94 | 8.4 | -8.4 | .6 | | 95 | 5.9 | -5.8 | .5 | | 96 | 6.5 | -6.5 | .7 | | 112 | 5.9 | -5.5 | 2.2 | 2553 |
| 775 | | 90 | 8.4 | -8.4 | .0 | | 92 | 8.0 | -8.0 | .3 | | 89 | 9.1 | -9.1 | -.2 | | 97 | 5.2 | -5.1 | .6 | 2276 |
| 800 | | 81 | 9.9 | -9.8 | -1.5 | | 94 | 11.3 | -11.3 | .8 | | 89 | 9.7 | -9.7 | -.2 | | 102 | 6.2 | -6.1 | 1.2 | 2007 |
| 825 | | 85 | 10.5 | -10.5 | -1.0 | | 92 | 12.9 | -12.9 | .5 | | 82 | 10.1 | -10.0 | -1.5 | | 90 | 7.6 | -7.6 | .0 | 1745 |
| 850 | | 94 | 10.8 | -10.8 | .8 | | 89 | 12.4 | -12.4 | -.3 | | 78 | 11.0 | -10.8 | -2.2 | | 79 | 8.4 | -8.3 | -1.6 | 1490 |
| 875 | | 96 | 11.2 | -11.1 | 1.2 | | 90 | 11.5 | -11.5 | -.0 | | 89 | 9.6 | -9.6 | -.2 | | 82 | 7.9 | -7.9 | -1.1 | 1242 |
| 900 | | 96 | 10.6 | -10.5 | 1.1 | | 95 | 10.8 | -10.8 | 1.0 | | 106 | 9.0 | -8.7 | 2.5 | | 91 | 7.2 | -7.2 | .1 | 999 |
| 925 | | 99 | 9.6 | -9.5 | 1.5 | | 101 | 9.8 | -9.6 | 1.9 | | 111 | 9.4 | -8.7 | 3.4 | | 107 | 6.0 | -5.7 | 1.8 | 762 |
| 950 | | 103 | 8.7 | -8.5 | 1.9 | | 105 | 7.9 | -7.6 | 2.0 | | 112 | 8.2 | -7.7 | 3.1 | | 131 | 4.6 | -3.5 | 3.0 | 529 |
| 975 | | 105 | 7.5 | -7.2 | 1.9 | | 101 | 6.2 | -6.1 | 1.2 | | 119 | 5.4 | -4.7 | 2.6 | | 144 | 3.9 | -2.3 | 3.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 3 1529 GMT | | | | 4/ 3 1745 GMT | | | | 4/ 3 2025 GMT | | | | 4/ 3 2350 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 23.0 | 22.8 | 2.8 | 19517 |
| 70 | | 267 | 31.8 | 31.8 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 17.6 | 17.2 | -3.5 | | 286 | 17.4 | 16.8 | -4.7 | 18589 |
| 80 | | 269 | 45.2 | 45.2 | .7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 12.1 | 11.2 | -4.7 | | 285 | 15.3 | 14.8 | -4.1 | 17801 |
| 90 | | 269 | 40.3 | 40.3 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 33.5 | 31.4 | -11.6 | | 306 | 27.4 | 22.3 | -16.0 | 17121 |
| 100 | | 266 | 28.0 | 28.0 | 1.8 | 3 | 271 | 17.2 | 17.2 | -.4 | | 278 | 19.8 | 19.6 | -2.9 | | 287 | 30.3 | 29.0 | -8.6 | 16521 |
| 110 | | 275 | 30.0 | 29.9 | -2.4 | 0 | 267 | 27.7 | 27.7 | 1.5 | | 272 | 28.3 | 28.3 | -1.0 | | 276 | 28.0 | 27.8 | -3.0 | 15978 |
| 120 | | 260 | 35.2 | 34.6 | 6.4 | 2 | 264 | 26.8 | 26.6 | 3.0 | | 261 | 33.0 | 32.6 | 4.9 | | 263 | 31.2 | 31.0 | 3.6 | 15479 |
| 130 | | 254 | 37.9 | 36.4 | 10.2 | | 258 | 38.4 | 37.5 | 8.2 | | 255 | 42.6 | 41.1 | 11.1 | | 260 | 39.9 | 39.2 | 7.2 | 15014 |
| 140 | | 258 | 36.0 | 35.2 | 7.7 | | 260 | 38.6 | 38.0 | 6.7 | | 259 | 40.0 | 39.3 | 7.3 | | 262 | 38.1 | 37.7 | 5.6 | 14578 |
| 150 | 2 | 259 | 35.8 | 35.1 | 7.0 | | 261 | 35.8 | 35.3 | 5.8 | | 265 | 35.5 | 35.4 | 3.1 | | 261 | 38.3 | 37.8 | 6.1 | 14167 |
| 160 | 2 | 261 | 31.5 | 31.1 | 4.9 | | 262 | 38.9 | 38.5 | 5.6 | | 265 | 33.8 | 33.7 | 3.1 | | 263 | 41.2 | 40.9 | 5.3 | 13776 |
| 170 | | 261 | 24.3 | 24.0 | 3.9 | | 266 | 27.5 | 27.4 | 1.9 | | 264 | 33.2 | 33.0 | 3.6 | | 266 | 38.6 | 38.5 | 2.4 | 13404 |
| 180 | | 258 | 21.4 | 21.0 | 4.5 | | 262 | 23.0 | 22.8 | 3.1 | | 263 | 34.1 | 33.9 | 4.0 | | 270 | 29.6 | 29.6 | .2 | 13049 |
| 190 | | 257 | 21.1 | 20.6 | 4.7 | | 254 | 24.4 | 23.5 | 6.6 | | 262 | 32.7 | 32.4 | 4.4 | | 266 | 33.6 | 33.5 | 2.3 | 12709 |
| 200 | | 258 | 20.1 | 19.7 | 4.1 | | 255 | 25.3 | 24.4 | 6.5 | | 263 | 31.1 | 30.9 | 3.6 | | 262 | 32.6 | 32.3 | 4.4 | 12383 |
| 225 | | 259 | 22.7 | 22.3 | 4.3 | | 249 | 20.8 | 19.4 | 7.6 | | 262 | 23.2 | 22.9 | 3.2 | | 259 | 22.9 | 22.5 | 4.3 | 11617 |
| 250 | | 234 | 18.7 | 15.2 | 11.0 | | 222 | 17.0 | 11.3 | 12.7 | | 243 | 17.8 | 15.9 | 8.1 | | 246 | 16.4 | 15.0 | 6.5 | 10914 |
| 275 | | 192 | 18.0 | 3.6 | 17.6 | | 192 | 17.7 | 3.6 | 17.3 | | 208 | 20.2 | 9.5 | 17.8 | | 212 | 21.2 | 11.1 | 18.1 | 10262 |
| 300 | | 199 | 10.4 | 3.4 | 9.8 | | 206 | 9.6 | 4.2 | 8.7 | | 199 | 11.9 | 3.9 | 11.2 | | 212 | 14.6 | 7.8 | 12.4 | 9654 |
| 325 | | 233 | 8.3 | 6.6 | 5.0 | | 239 | 8.9 | 7.6 | 4.5 | | 236 | 8.4 | 7.0 | 4.8 | | 223 | 10.5 | 7.2 | 7.6 | 9084 |
| 350 | | 255 | 10.2 | 9.8 | 2.7 | | 258 | 10.2 | 10.0 | 2.1 | | 249 | 8.6 | 8.0 | 3.1 | | 253 | 11.1 | 10.7 | 3.2 | 8546 |
| 375 | | 263 | 17.3 | 17.1 | 2.2 | | 268 | 15.7 | 15.7 | .5 | | 268 | 14.9 | 14.9 | .5 | | 267 | 16.7 | 16.7 | 1.0 | 8039 |
| 400 | 2 | 265 | 18.5 | 18.4 | 1.7 | | 267 | 19.8 | 19.7 | 1.1 | | 270 | 18.0 | 18.0 | -.2 | | 275 | 19.9 | 19.8 | -1.8 | 7557 |
| 425 | | 257 | 16.8 | 16.4 | 3.6 | | 270 | 18.3 | 18.3 | -.2 | | 267 | 18.1 | 18.1 | 1.0 | | 276 | 20.3 | 20.2 | -2.0 | 7099 |
| 450 | | 252 | 15.3 | 14.6 | 4.6 | | 260 | 15.8 | 15.6 | 2.8 | | 263 | 16.4 | 16.3 | 2.1 | | 272 | 19.3 | 19.3 | -.6 | 6662 |
| 475 | | 256 | 11.5 | 11.1 | 2.8 | | 260 | 13.3 | 13.1 | 2.3 | | 261 | 11.4 | 11.3 | 1.7 | | 268 | 18.2 | 18.2 | .6 | 6244 |
| 500 | | 280 | 7.4 | 7.3 | -1.3 | | 276 | 8.4 | 8.4 | -.9 | | 274 | 10.4 | 10.4 | -.8 | | 268 | 13.5 | 13.5 | .5 | 5844 |
| 525 | | 308 | 6.4 | 5.0 | -3.9 | | 298 | 7.4 | 6.6 | -3.5 | | 286 | 7.7 | 7.4 | -2.1 | | 273 | 10.9 | 10.9 | -.6 | 5460 |
| 550 | | 296 | 6.5 | 5.9 | -2.8 | | 291 | 6.8 | 6.3 | -2.5 | | 296 | 7.2 | 6.5 | -3.2 | | 276 | 7.3 | 7.3 | -.7 | 5091 |
| 575 | | 317 | 5.5 | 3.8 | -4.0 | | 1 | 5.0 | -.1 | -5.0 | | 316 | 5.5 | 3.9 | -4.0 | | 299 | 5.3 | 4.7 | -2.6 | 4736 |
| 600 | | 358 | 2.8 | .1 | -2.8 | | 28 | 3.4 | -1.6 | -3.0 | | 13 | 3.4 | -.7 | -3.3 | | 14 | 2.1 | -.5 | -2.0 | 4393 |
| 625 | | 34 | 2.3 | -1.3 | -1.9 | | 134 | .8 | -.6 | .5 | | 113 | 3.3 | -3.0 | 1.3 | | 100 | 2.8 | -2.8 | .5 | 4062 |
| 650 | | 54 | 1.0 | -.8 | -.6 | | 129 | 2.6 | -2.0 | 1.6 | | 135 | 4.0 | -2.9 | 2.8 | | 120 | 3.5 | -3.0 | 1.8 | 3742 |
| 675 | | 74 | 2.1 | -2.1 | -.6 | | 109 | 4.1 | -3.9 | 1.3 | | 133 | 4.1 | -3.0 | 2.9 | | 121 | 2.8 | -2.4 | 1.4 | 3431 |
| 700 | | 81 | 3.3 | -3.2 | -.5 | | 90 | 4.5 | -4.5 | .0 | | 118 | 4.0 | -3.6 | 1.9 | | 127 | 2.7 | -2.1 | 1.6 | 3130 |
| 725 | | 109 | 3.3 | -3.1 | 1.1 | | 110 | 2.9 | -2.7 | 1.0 | | 128 | 4.9 | -3.9 | 3.0 | | 138 | 3.2 | -2.1 | 2.4 | 2837 |
| 750 | 3 | 109 | 4.5 | -4.2 | 1.4 | | 114 | 4.5 | -4.1 | 1.8 | | 121 | 4.0 | -3.4 | 2.1 | | 119 | 4.4 | -3.9 | 2.1 | 2553 |
| 775 | 1 | 92 | 4.8 | -4.8 | .2 | | 97 | 3.0 | -3.0 | .4 | | 97 | 3.7 | -3.7 | .5 | | 114 | 4.6 | -4.2 | 1.9 | 2276 |
| 800 | 0 | 82 | 5.1 | -5.0 | -.7 | | 86 | 2.8 | -2.8 | -.2 | | 92 | 5.6 | -5.6 | .2 | | 110 | 5.7 | -5.4 | 2.0 | 2007 |
| 825 | 0 | 85 | 6.0 | -6.0 | -.5 | | 79 | 5.3 | -5.2 | -1.0 | | 88 | 6.8 | -6.8 | -.2 | | 105 | 7.0 | -6.7 | 1.8 | 1745 |
| 850 | 0 | 95 | 6.7 | -6.7 | .6 | | 81 | 7.1 | -7.0 | -1.2 | | 93 | 8.0 | -8.0 | .4 | | 108 | 6.8 | -6.5 | 2.1 | 1490 |
| 875 | 0 | 104 | 7.1 | -6.8 | 1.7 | | 94 | 7.9 | -7.9 | .5 | | 101 | 8.3 | -8.1 | 1.6 | | 114 | 5.8 | -5.3 | 2.4 | 1242 |
| 900 | | 113 | 7.0 | -6.5 | 2.8 | | 105 | 8.2 | -7.9 | 2.2 | | 106 | 7.1 | -6.8 | 2.0 | | 109 | 5.7 | -5.4 | 1.8 | 999 |
| 925 | | 124 | 6.8 | -5.6 | 3.8 | | 113 | 7.3 | -6.7 | 2.8 | | 102 | 5.3 | -5.1 | 1.1 | | 98 | 6.2 | -6.2 | .8 | 762 |
| 950 | | 133 | 6.2 | -4.6 | 4.2 | | 123 | 5.7 | -4.8 | 3.1 | | 94 | 3.7 | -3.7 | .3 | | 86 | 5.8 | -5.8 | -.4 | 529 |
| 975 | | 136 | 5.4 | -3.8 | 3.9 | | 135 | 5.1 | -3.7 | 3.6 | | 98 | 3.1 | -3.1 | .4 | | 76 | 4.8 | -4.7 | -1.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 4 243 GMT | | | | 4/ 4 540 GMT | | | | 4/ 4 9 9 GMT | | | | 4/ 4 1140 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 20.7 | 20.6 | -.6 | 19517 |
| 70 | | 279 | 15.2 | 15.0 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 20.9 | 20.7 | -2.4 | | 283 | 20.4 | 19.8 | -4.6 | 18589 |
| 80 | | 294 | 19.9 | 18.2 | -7.9 | | 291 | 12.5 | 11.7 | -4.5 | | 269 | 14.9 | 14.9 | .1 | | 283 | 13.5 | 13.1 | -2.9 | 17801 |
| 90 | | 305 | 27.6 | 22.5 | -16.0 | | 300 | 20.3 | 17.6 | -10.2 | | 303 | 16.0 | 13.4 | -8.6 | | 295 | 25.7 | 23.3 | -10.9 | 17121 |
| 100 | | 283 | 30.5 | 29.7 | -6.7 | | 292 | 27.2 | 25.1 | -10.3 | | 293 | 31.1 | 28.6 | -12.3 | | 283 | 26.4 | 25.8 | -5.9 | 16521 |
| 110 | | 272 | 30.5 | 30.5 | -1.1 | | 273 | 28.1 | 28.1 | -1.2 | | 290 | 21.9 | 20.6 | -7.5 | | 263 | 28.1 | 27.8 | 3.5 | 15978 |
| 120 | | 265 | 32.6 | 32.5 | 3.1 | | 261 | 32.5 | 32.1 | 4.8 | | 263 | 24.7 | 24.5 | 2.9 | | 261 | 33.6 | 33.1 | 5.2 | 15479 |
| 130 | | 260 | 33.2 | 32.7 | 5.6 | | 263 | 34.3 | 34.1 | 4.1 | | 259 | 35.3 | 34.7 | 6.5 | | 264 | 33.2 | 33.0 | 3.5 | 15014 |
| 140 | | 261 | 33.8 | 33.4 | 5.2 | | 267 | 34.4 | 34.4 | 2.0 | | 264 | 33.9 | 33.7 | 3.6 | | 271 | 30.8 | 30.8 | -.6 | 14578 |
| 150 | | 264 | 30.1 | 30.0 | 3.1 | | 263 | 33.2 | 33.0 | 3.9 | | 269 | 34.0 | 34.0 | .8 | | 277 | 30.2 | 30.0 | -3.7 | 14167 |
| 160 | | 265 | 37.5 | 37.3 | 3.4 | | 267 | 31.4 | 31.4 | 1.7 | | 272 | 28.2 | 28.2 | -1.2 | | 277 | 27.3 | 27.1 | -3.3 | 13776 |
| 170 | | 265 | 39.0 | 38.8 | 3.5 | | 268 | 29.6 | 29.6 | .9 | | 271 | 26.4 | 26.4 | -.4 | | 272 | 25.7 | 25.7 | -.7 | 13404 |
| 180 | | 263 | 32.7 | 32.5 | 4.2 | | 265 | 30.0 | 29.9 | 2.7 | | 266 | 26.2 | 26.2 | 1.6 | | 268 | 27.5 | 27.5 | .9 | 13049 |
| 190 | | 259 | 29.5 | 28.9 | 5.7 | | 268 | 27.2 | 27.1 | .9 | | 264 | 27.0 | 26.8 | 2.9 | | 263 | 23.8 | 23.6 | 2.9 | 12709 |
| 200 | | 260 | 27.2 | 26.8 | 4.5 | | 269 | 25.5 | 25.5 | .3 | | 262 | 23.7 | 23.5 | 3.5 | | 250 | 17.2 | 16.1 | 6.0 | 12383 |
| 225 | | 264 | 26.2 | 26.1 | 2.5 | | 263 | 23.4 | 23.2 | 3.0 | | 257 | 19.6 | 19.1 | 4.5 | | 245 | 15.3 | 13.8 | 6.5 | 11617 |
| 250 | 3 | 248 | 20.1 | 18.6 | 7.5 | | 244 | 20.8 | 18.6 | 9.2 | | 248 | 20.7 | 19.2 | 7.8 | | 232 | 17.2 | 13.5 | 10.6 | 10914 |
| 275 | | 224 | 20.8 | 14.5 | 14.9 | | 219 | 23.4 | 14.6 | 18.3 | | 220 | 22.0 | 14.2 | 16.8 | | 213 | 18.2 | 9.8 | 15.3 | 10262 |
| 300 | | 213 | 17.8 | 9.6 | 15.0 | | 210 | 19.3 | 9.6 | 16.8 | | 223 | 21.5 | 14.8 | 15.6 | | 219 | 22.4 | 14.2 | 17.4 | 9654 |
| 325 | | 218 | 11.8 | 7.3 | 9.3 | | 215 | 13.3 | 7.7 | 10.9 | | 217 | 15.1 | 9.1 | 12.1 | | 227 | 14.0 | 10.2 | 9.6 | 9084 |
| 350 | | 245 | 10.9 | 9.9 | 4.6 | | 211 | 9.6 | 4.9 | 8.3 | | | | | | 1 | 231 | 11.5 | 9.0 | 7.2 | 8546 |
| 375 | | 259 | 15.2 | 14.9 | 2.8 | | 257 | 13.4 | 13.1 | 2.9 | | | | | | 1 | 259 | 12.9 | 12.7 | 2.5 | 8039 |
| 400 | | 274 | 19.2 | 19.2 | -1.2 | | 268 | 17.6 | 17.6 | .5 | | | | | | | 278 | 16.9 | 16.8 | -2.3 | 7557 |
| 425 | | 284 | 18.0 | 17.4 | -4.4 | | 278 | 15.2 | 15.1 | -2.1 | | | | | | | 278 | 16.2 | 16.0 | -2.3 | 7099 |
| 450 | | | | | | | 269 | 19.0 | 19.0 | .5 | | | | | | | 281 | 17.5 | 17.2 | -3.5 | 6662 |
| 475 | 2 | 286 | 17.8 | 17.1 | -4.9 | | 276 | 12.8 | 12.7 | -1.3 | | | | | | | 277 | 13.2 | 13.1 | -1.7 | 6244 |
| 500 | | 277 | 12.0 | 11.9 | -1.5 | | 275 | 14.9 | 14.8 | -1.3 | | 277 | 17.8 | 17.7 | -2.3 | | 275 | 15.9 | 15.9 | -1.4 | 5844 |
| 525 | | 275 | 9.0 | 9.0 | -.7 | | 282 | 11.1 | 10.9 | -2.2 | | 279 | 13.1 | 12.9 | -2.2 | | 282 | 14.7 | 14.4 | -3.1 | 5460 |
| 550 | | 291 | 9.4 | 8.8 | -3.3 | | 271 | 8.8 | 8.8 | -.2 | | 278 | 10.1 | 10.0 | -1.4 | | 277 | 10.7 | 10.6 | -1.3 | 5091 |
| 575 | | 309 | 8.4 | 6.5 | -5.4 | | 284 | 8.6 | 8.4 | -2.1 | | 272 | 9.1 | 9.1 | -.3 | | 289 | 10.1 | 9.6 | -3.2 | 4736 |
| 600 | | 338 | 4.7 | 1.8 | -4.4 | | 305 | 5.5 | 4.5 | -3.1 | | 297 | 4.2 | 3.7 | -1.9 | | 312 | 7.5 | 5.6 | -5.0 | 4393 |
| 625 | | 71 | 1.9 | -1.8 | -.6 | | 105 | .9 | -.9 | .2 | | 107 | 2.3 | -2.2 | .7 | | 41 | 1.7 | -1.1 | -1.3 | 4062 |
| 650 | | 91 | 1.5 | -1.5 | .0 | | 122 | 1.9 | -1.6 | 1.0 | | 119 | 3.6 | -3.2 | 1.7 | 3 | 101 | 2.4 | -2.3 | .4 | 3742 |
| 675 | | 77 | .9 | -.8 | -.2 | | 116 | .7 | -.6 | .3 | | 108 | 2.7 | -2.6 | .8 | 1 | 98 | 2.1 | -2.1 | .3 | 3431 |
| 700 | | 144 | 1.9 | -1.1 | 1.5 | | 118 | 2.7 | -2.4 | 1.3 | | 91 | 4.2 | -4.2 | .1 | 2 | 95 | 2.9 | -2.8 | .3 | 3130 |
| 725 | 3 | 139 | 4.1 | -2.7 | 3.1 | | 112 | 5.3 | -4.9 | 1.9 | | 94 | 5.0 | -5.0 | .3 | 2 | 99 | 4.9 | -4.8 | .7 | 2837 |
| 750 | 1 | 121 | 6.3 | -5.4 | 3.2 | | 104 | 6.4 | -6.2 | 1.5 | | 100 | 6.7 | -6.6 | 1.1 | 2 | 106 | 8.2 | -7.8 | 2.3 | 2553 |
| 775 | 0 | 110 | 8.2 | -7.7 | 2.8 | | 101 | 6.3 | -6.2 | 1.2 | | 99 | 8.3 | -8.2 | 1.3 | | 109 | 11.0 | -10.4 | 3.6 | 2276 |
| 800 | 0 | 106 | 8.4 | -8.0 | 2.4 | | 93 | 6.8 | -6.8 | .3 | | 98 | 7.3 | -7.2 | 1.1 | | 102 | 10.0 | -9.7 | 2.1 | 2007 |
| 825 | 0 | 105 | 7.2 | -6.9 | 1.9 | | 88 | 8.9 | -8.9 | -.2 | | 102 | 6.4 | -6.3 | 1.3 | | 92 | 8.3 | -8.3 | .3 | 1745 |
| 850 | 0 | 112 | 4.6 | -4.3 | 1.7 | | 86 | 9.0 | -9.0 | -.6 | | 108 | 6.7 | -6.4 | 2.0 | | 89 | 7.9 | -7.9 | -.1 | 1490 |
| 875 | 2 | 120 | 3.2 | -2.7 | 1.6 | | 81 | 6.4 | -6.4 | -1.0 | | 108 | 7.1 | -6.8 | 2.2 | | 91 | 7.6 | -7.5 | .2 | 1242 |
| 900 | | 96 | 6.6 | -6.6 | .7 | | 88 | 4.6 | -4.6 | -.1 | | 105 | 7.8 | -7.5 | 2.0 | | 99 | 5.9 | -5.9 | .9 | 999 |
| 925 | | 89 | 8.0 | -8.0 | -.2 | | 79 | 5.8 | -5.7 | -1.1 | | 104 | 8.4 | -8.2 | 2.0 | | 109 | 5.8 | -5.5 | 1.9 | 762 |
| 950 | | 82 | 4.4 | -4.4 | -.6 | | 78 | 6.2 | -6.1 | -1.3 | | 102 | 7.9 | -7.8 | 1.6 | | 110 | 6.2 | -5.8 | 2.1 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 7.3 | -7.3 | .3 | | 106 | 6.0 | -5.7 | 1.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 4 1745 GMT | | | | 4/ 4 2330 GMT | | | | 4/ 5 630 GMT | | | | 4/ 5 1115 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 265 | 19.8 | 19.7 | 1.9 | 267 | 20.4 | 20.3 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 269 | 21.0 | 21.0 | .3 | 19517 |
| 70 | 277 | 19.7 | 19.6 | -2.2 | 258 | 22.6 | 22.1 | 4.9 | 261 | 20.8 | 20.6 | 3.3 | 256 | 16.6 | 16.1 | 4.1 | 18589 |
| 80 | 280 | 15.4 | 15.1 | -2.7 | 277 | 15.3 | 15.2 | -1.9 | 270 | 16.0 | 16.0 | .1 | 278 | 14.2 | 14.1 | -2.0 | 17801 |
| 90 | 293 | 18.8 | 17.4 | -7.2 | 301 | 15.6 | 13.4 | -8.0 | 285 | 16.8 | 16.2 | -4.3 | 294 | 20.8 | 19.0 | -8.6 | 17121 |
| 100 | 305 | 25.4 | 20.9 | -14.5 | 302 | 30.1 | 25.6 | -15.8 | 290 | 24.3 | 22.9 | -8.2 | 280 | 21.6 | 21.3 | -3.6 | 16521 |
| 110 | 283 | 23.3 | 22.7 | -5.4 | 280 | 24.0 | 23.6 | -4.3 | 280 | 19.4 | 19.1 | -3.2 | 264 | 21.1 | 21.0 | 2.2 | 15978 |
| 120 | 260 | 25.5 | 25.1 | 4.5 | 261 | 29.0 | 28.6 | 4.7 | 259 | 22.9 | 22.5 | 4.3 | 261 | 27.2 | 26.8 | 4.4 | 15479 |
| 130 | 261 | 31.6 | 31.2 | 4.9 | 271 | 30.1 | 30.1 | -.4 | 268 | 29.3 | 29.2 | 1.1 | 267 | 29.2 | 29.1 | 1.7 | 15014 |
| 140 | 267 | 29.9 | 29.8 | 1.7 | 269 | 26.7 | 26.7 | .4 | 267 | 27.0 | 27.0 | 1.3 | 265 | 23.6 | 23.5 | 2.1 | 14578 |
| 150 | 275 | 31.0 | 30.8 | -2.8 | 263 | 21.8 | 21.6 | 2.7 | 254 | 21.0 | 20.1 | 5.9 | 252 | 19.0 | 18.1 | 5.9 | 14167 |
| 160 | 275 | 29.5 | 29.4 | -2.6 | 257 | 23.0 | 22.4 | 5.2 | 245 | 17.7 | 16.1 | 7.4 | 239 | 16.4 | 14.1 | 8.4 | 13776 |
| 170 | | | | | 248 | 23.5 | 21.8 | 8.9 | 242 | 17.2 | 15.2 | 8.1 | 229 | 13.9 | 10.4 | 9.1 | 13404 |
| 180 | | | | | 241 | 20.2 | 17.7 | 9.9 | 231 | 16.5 | 12.8 | 10.5 | 213 | 14.8 | 8.0 | 12.4 | 13049 |
| 190 | | | | | 2 246 | 17.2 | 15.7 | 7.1 | 222 | 16.6 | 11.2 | 12.3 | 213 | 16.7 | 9.0 | 14.0 | 12709 |
| 200 | | | | | 2 253 | 17.1 | 16.4 | 4.9 | 229 | 16.9 | 12.8 | 11.0 | 223 | 17.8 | 12.1 | 13.0 | 12383 |
| 225 | 227 | 15.0 | 11.0 | 10.2 | 245 | 12.8 | 11.6 | 5.4 | 238 | 16.8 | 14.2 | 9.0 | 229 | 17.5 | 13.2 | 11.5 | 11617 |
| 250 | 202 | 15.0 | 5.6 | 13.9 | 219 | 13.6 | 8.5 | 10.6 | 224 | 16.5 | 11.4 | 11.9 | 225 | 13.8 | 9.7 | 9.8 | 10914 |
| 275 | 184 | 16.4 | 1.0 | 16.4 | 187 | 16.7 | 1.9 | 16.6 | 199 | 15.3 | 5.0 | 14.4 | 210 | 14.7 | 7.3 | 12.8 | 10262 |
| 300 | 207 | 17.4 | 7.9 | 15.5 | 197 | 14.6 | 4.3 | 14.0 | 194 | 16.8 | 4.0 | 16.3 | 209 | 15.1 | 7.4 | 13.1 | 9654 |
| 325 | 225 | 15.4 | 10.8 | 11.0 | 212 | 15.6 | 8.3 | 13.2 | 203 | 15.1 | 5.9 | 13.9 | 206 | 15.2 | 6.7 | 13.6 | 9084 |
| 350 | 252 | 11.3 | 10.8 | 3.5 | 240 | 12.7 | 11.0 | 6.4 | 240 | 9.9 | 8.6 | 5.0 | 221 | 11.3 | 7.4 | 8.6 | 8546 |
| 375 | 269 | 14.8 | 14.8 | .2 | 275 | 13.2 | 13.2 | -1.3 | 267 | 10.8 | 10.8 | .5 | 265 | 11.0 | 10.9 | 1.0 | 8039 |
| 400 | 280 | 19.0 | 18.7 | -3.3 | 284 | 18.7 | 18.2 | -4.5 | 282 | 12.4 | 12.2 | -2.7 | 285 | 12.9 | 12.4 | -3.3 | 7557 |
| 425 | 290 | 17.3 | 16.2 | -6.0 | 285 | 18.8 | 18.2 | -4.9 | 302 | 17.5 | 14.9 | -9.3 | 299 | 17.0 | 15.0 | -8.2 | 7099 |
| 450 | 286 | 16.1 | 15.5 | -4.3 | 294 | 17.8 | 16.4 | -7.1 | 303 | 19.5 | 16.3 | -10.7 | 305 | 17.3 | 14.3 | -9.9 | 6662 |
| 475 | 284 | 13.7 | 13.3 | -3.4 | 293 | 15.3 | 14.0 | -6.0 | 301 | 15.1 | 13.0 | -7.8 | 303 | 13.7 | 11.4 | -7.5 | 6244 |
| 500 | 279 | 13.1 | 13.0 | -2.0 | 282 | 10.1 | 9.8 | -2.1 | 297 | 11.6 | 10.3 | -5.2 | 305 | 10.1 | 8.3 | -5.8 | 5844 |
| 525 | 280 | 13.0 | 12.8 | -2.3 | 283 | 10.0 | 9.7 | -2.3 | 285 | 8.1 | 7.8 | -2.1 | 301 | 7.4 | 6.4 | -3.8 | 5460 |
| 550 | 286 | 9.9 | 9.5 | -2.7 | 284 | 12.1 | 11.8 | -3.0 | 294 | 6.5 | 6.0 | -2.7 | 302 | 6.1 | 5.2 | -3.2 | 5091 |
| 575 | 325 | 8.0 | 4.5 | -6.6 | 285 | 8.1 | 7.8 | -2.1 | 295 | 7.6 | 6.9 | -3.2 | 309 | 6.2 | 4.8 | -3.9 | 4736 |
| 600 | 324 | 3.4 | 2.0 | -2.7 | 320 | 3.7 | 2.4 | -2.8 | 313 | 4.8 | 3.5 | -3.3 | 332 | 4.3 | 2.0 | -3.8 | 4393 |
| 625 | 4 | 1.7 | -.1 | -1.7 | 17 | 4.2 | -1.2 | -4.0 | 20 | 4.0 | -1.3 | -3.7 | 35 | 3.4 | -1.9 | -2.7 | 4062 |
| 650 | 86 | 1.9 | -1.9 | -.1 | 44 | 2.7 | -1.9 | -2.0 | 57 | 3.7 | -3.1 | -2.0 | 105 | 2.8 | -2.7 | .7 | 3742 |
| 675 | 122 | 2.6 | -2.2 | 1.4 | 132 | 2.4 | -1.8 | 1.6 | 105 | 2.3 | -2.2 | .6 | 125 | 2.0 | -1.7 | 1.1 | 3431 |
| 700 | 113 | 3.8 | -3.5 | 1.5 | 129 | 2.7 | -2.1 | 1.7 | 78 | 2.1 | -2.0 | -.4 | 90 | 3.2 | -3.2 | -.0 | 3130 |
| 725 | 97 | 4.5 | -4.5 | .5 | 92 | 2.2 | -2.2 | .1 | 69 | 3.2 | -3.0 | -1.2 | 101 | 4.8 | -4.7 | .9 | 2837 |
| 750 | 104 | 5.0 | -4.9 | 1.2 | 105 | 3.7 | -3.6 | .9 | 96 | 4.9 | -4.9 | .5 | 107 | 6.5 | -6.2 | 1.9 | 2553 |
| 775 | 116 | 7.9 | -7.1 | 3.4 | 120 | 7.0 | -6.1 | 3.5 | 103 | 9.4 | -9.2 | 2.1 | 104 | 10.2 | -9.9 | 2.5 | 2276 |
| 800 | 111 | 9.6 | -8.9 | 3.5 | 115 | 9.0 | -8.2 | 3.8 | 100 | 12.8 | -12.6 | 2.3 | 96 | 12.8 | -12.7 | 1.4 | 2007 |
| 825 | 101 | 8.3 | -8.1 | 1.6 | 96 | 9.5 | -9.5 | 1.1 | 89 | 12.8 | -12.8 | -.2 | 80 | 12.7 | -12.5 | -2.3 | 1745 |
| 850 | 97 | 7.3 | -7.3 | .9 | 83 | 9.8 | -9.7 | -1.2 | 76 | 11.4 | -11.1 | -2.7 | 68 | 12.6 | -11.7 | -4.7 | 1490 |
| 875 | 103 | 7.8 | -7.6 | 1.7 | 84 | 8.9 | -8.9 | -.9 | 72 | 9.5 | -9.1 | -2.9 | 73 | 12.6 | -12.1 | -3.7 | 1242 |
| 900 | 104 | 7.9 | -7.7 | 1.9 | 97 | 7.2 | -7.1 | .9 | 80 | 8.2 | -8.1 | -1.4 | 84 | 11.8 | -11.7 | -1.2 | 999 |
| 925 | 103 | 7.2 | -7.0 | 1.6 | 112 | 6.4 | -5.9 | 2.4 | 89 | 8.7 | -8.7 | -.1 | 93 | 10.0 | -10.0 | .5 | 762 |
| 950 | 104 | 6.2 | -6.0 | 1.5 | 117 | 6.3 | -5.6 | 2.8 | 95 | 9.2 | -9.2 | .8 | 93 | 9.1 | -9.1 | .6 | 529 |
| 975 | 106 | 4.9 | -4.7 | 1.4 | 121 | 6.5 | -5.6 | 3.4 | 100 | 7.5 | -7.4 | 1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 5 18 0 GMT | | | | 4/ 5 2325 GMT | | | | 4/ 6 6 7 GMT | | | | 4/ 6 1213 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 269 | 18.9 | 18.9 | .4 | | 248 | 14.1 | 13.1 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 16.7 | 16.7 | -.9 | 19517 |
| 70 | | 260 | 16.1 | 15.9 | 2.8 | | 247 | 14.3 | 13.1 | 5.6 | | 256 | 12.2 | 11.8 | 3.0 | | 263 | 14.7 | 14.6 | 1.9 | 18589 |
| 80 | | 257 | 15.6 | 15.2 | 3.6 | | 249 | 18.1 | 17.0 | 6.4 | | 242 | 14.2 | 12.5 | 6.7 | | 249 | 12.3 | 11.4 | 4.4 | 17801 |
| 90 | | 298 | 17.0 | 15.0 | -8.1 | | 308 | 16.3 | 12.8 | -10.1 | | 281 | 9.4 | 9.3 | -1.7 | 3 | 261 | 8.8 | 8.7 | 1.4 | 17121 |
| 100 | | 290 | 21.8 | 20.5 | -7.4 | | 298 | 21.7 | 19.1 | -10.3 | | 314 | 18.9 | 13.5 | -13.2 | | 318 | 16.9 | 11.3 | -12.5 | 16521 |
| 110 | | 259 | 18.5 | 18.2 | 3.4 | | 261 | 18.5 | 18.3 | 3.0 | | 296 | 15.9 | 14.3 | -6.9 | | 302 | 15.8 | 13.4 | -8.3 | 15978 |
| 120 | | 252 | 22.9 | 21.8 | 7.0 | | 262 | 20.4 | 20.1 | 3.0 | | 266 | 13.6 | 13.6 | .9 | | 279 | 14.2 | 14.1 | -2.2 | 15479 |
| 130 | | 274 | 23.2 | 23.1 | -1.7 | | 256 | 19.4 | 18.9 | 4.6 | | 255 | 15.7 | 15.2 | 4.1 | | 273 | 13.5 | 13.5 | -.7 | 15014 |
| 140 | | 277 | 21.0 | 20.8 | -2.7 | | 238 | 18.0 | 15.3 | 9.6 | | 252 | 14.8 | 14.1 | 4.6 | 3 | 257 | 12.0 | 11.7 | 2.7 | 14578 |
| 150 | | 275 | 19.0 | 18.9 | -1.5 | | 238 | 15.7 | 13.2 | 8.4 | | 235 | 12.6 | 10.3 | 7.2 | 2 | 244 | 12.9 | 11.5 | 5.7 | 14167 |
| 160 | | 274 | 19.0 | 19.0 | -1.3 | | 244 | 14.8 | 13.3 | 6.5 | | 230 | 13.1 | 10.0 | 8.5 | | 241 | 13.5 | 11.8 | 6.6 | 13776 |
| 170 | | 269 | 19.0 | 19.0 | .2 | | 243 | 14.8 | 13.2 | 6.7 | | 233 | 11.7 | 9.4 | 7.0 | | 230 | 13.8 | 10.5 | 8.9 | 13404 |
| 180 | | 261 | 16.3 | 16.1 | 2.4 | | 252 | 14.7 | 14.0 | 4.6 | | 237 | 9.6 | 8.1 | 5.2 | | 222 | 12.1 | 8.1 | 9.0 | 13049 |
| 190 | | 245 | 15.1 | 13.6 | 6.4 | | 262 | 14.6 | 14.4 | 2.0 | | 226 | 11.0 | 7.9 | 7.6 | | 223 | 8.0 | 5.4 | 5.9 | 12709 |
| 200 | | 239 | 13.9 | 12.0 | 7.1 | | 265 | 14.3 | 14.3 | 1.2 | | 223 | 12.0 | 8.2 | 8.8 | | 192 | 7.9 | 1.7 | 7.7 | 12383 |
| 225 | | 223 | 9.2 | 6.3 | 6.7 | | 250 | 11.9 | 11.2 | 4.0 | | 259 | 10.0 | 9.9 | 1.9 | | 219 | 6.5 | 4.1 | 5.0 | 11617 |
| 250 | | 233 | 9.7 | 7.8 | 5.8 | | 284 | 8.1 | 7.9 | -2.0 | | 255 | 7.7 | 7.4 | 2.0 | | 263 | 6.6 | 6.6 | .8 | 10914 |
| 275 | | 243 | 11.2 | 9.9 | 5.1 | | 239 | 8.8 | 7.6 | 4.5 | | 249 | 7.3 | 6.8 | 2.6 | | 252 | 6.0 | 5.7 | 1.8 | 10262 |
| 300 | | 239 | 11.1 | 9.5 | 5.7 | | 259 | 9.7 | 9.5 | 1.9 | | 249 | 8.1 | 7.5 | 2.9 | | 251 | 3.8 | 3.6 | 1.2 | 9654 |
| 325 | | 224 | 8.9 | 6.1 | 6.4 | | 246 | 9.5 | 8.7 | 3.9 | | 237 | 8.6 | 7.2 | 4.8 | | 258 | 8.6 | 8.4 | 1.8 | 9084 |
| 350 | | 209 | 11.8 | 5.8 | 10.3 | | 230 | 7.4 | 5.7 | 4.7 | | 234 | 7.7 | 6.2 | 4.6 | | 256 | 9.2 | 9.0 | 2.2 | 8546 |
| 375 | | 218 | 8.1 | 5.0 | 6.4 | | 201 | 6.6 | 2.3 | 6.1 | | 216 | 7.4 | 4.4 | 6.0 | | 216 | 6.4 | 3.8 | 5.2 | 8039 |
| 400 | | 261 | 9.5 | 9.4 | 1.5 | | 294 | 7.5 | 6.8 | -3.1 | | 243 | 5.1 | 4.5 | 2.3 | | 250 | 4.9 | 4.6 | 1.7 | 7557 |
| 425 | | 296 | 11.4 | 10.3 | -4.9 | | 305 | 10.3 | 8.5 | -5.8 | | 301 | 9.9 | 8.4 | -5.1 | | 310 | 7.7 | 5.9 | -4.9 | 7099 |
| 450 | | 306 | 12.7 | 10.3 | -7.4 | | 311 | 12.1 | 9.1 | -7.9 | | 309 | 11.1 | 8.7 | -6.9 | | 321 | 11.8 | 7.4 | -9.2 | 6662 |
| 475 | | 325 | 9.6 | 5.5 | -7.9 | | 329 | 9.1 | 4.7 | -7.8 | | 309 | 9.2 | 7.2 | -5.8 | | 341 | 7.1 | 2.3 | -6.7 | 6244 |
| 500 | | 324 | 8.6 | 5.0 | -6.9 | | 355 | 6.6 | .6 | -6.5 | | 352 | 4.8 | .7 | -4.7 | | 46 | 4.0 | -2.9 | -2.8 | 5844 |
| 525 | | 312 | 7.1 | 5.3 | -4.8 | | 338 | 4.0 | 1.5 | -3.8 | | 57 | 4.4 | -3.7 | -2.4 | | 83 | 3.5 | -3.5 | -.4 | 5460 |
| 550 | | 329 | 4.3 | 2.2 | -3.7 | | 316 | 2.4 | 1.7 | -1.7 | | 46 | 2.7 | -2.0 | -1.9 | | 72 | 2.3 | -2.2 | -.7 | 5091 |
| 575 | | 337 | 4.2 | 1.6 | -3.9 | | 4 | 1.1 | -.1 | -1.1 | | 44 | 1.5 | -1.1 | -1.1 | | 87 | 3.9 | -3.9 | -.2 | 4736 |
| 600 | | 343 | 4.4 | 1.3 | -4.2 | | 52 | 3.9 | -3.0 | -2.4 | | 74 | 4.2 | -4.1 | -1.2 | | 95 | 7.3 | -7.2 | .7 | 4393 |
| 625 | | 36 | 3.8 | -2.2 | -3.1 | | 84 | 5.8 | -5.7 | -.6 | | 91 | 6.2 | -6.2 | .1 | | 92 | 9.6 | -9.6 | .4 | 4062 |
| 650 | | 86 | 5.0 | -4.9 | -.3 | | 111 | 6.2 | -5.8 | 2.2 | | 112 | 6.6 | -6.1 | 2.5 | | 106 | 9.4 | -9.0 | 2.6 | 3742 |
| 675 | | 110 | 5.2 | -4.9 | 1.8 | | 116 | 5.8 | -5.2 | 2.5 | | 112 | 6.4 | -6.0 | 2.4 | | 111 | 8.3 | -7.7 | 3.0 | 3431 |
| 700 | | 101 | 4.9 | -4.8 | 1.0 | | 104 | 6.3 | -6.1 | 1.6 | | 102 | 7.6 | -7.4 | 1.6 | | 118 | 7.3 | -6.4 | 3.4 | 3130 |
| 725 | | 106 | 5.8 | -5.5 | 1.6 | | 110 | 6.5 | -6.1 | 2.2 | | 107 | 9.5 | -9.1 | 2.8 | | 126 | 7.0 | -5.7 | 4.1 | 2837 |
| 750 | | 118 | 8.0 | -7.0 | 3.8 | | 121 | 7.8 | -6.7 | 4.0 | | 107 | 10.6 | -10.1 | 3.0 | 2 | 110 | 11.7 | -10.9 | 4.1 | 2553 |
| 775 | | 122 | 9.6 | -8.2 | 5.1 | | 118 | 10.2 | -9.0 | 4.9 | | 101 | 12.6 | -12.4 | 2.4 | 3 | 103 | 13.7 | -13.4 | 3.0 | 2276 |
| 800 | | 119 | 10.2 | -8.9 | 5.0 | | 118 | 10.3 | -9.1 | 4.9 | | 96 | 15.0 | -14.9 | 1.5 | | 95 | 11.5 | -11.4 | .9 | 2007 |
| 825 | | 107 | 12.2 | -11.6 | 3.6 | | 110 | 9.7 | -9.1 | 3.3 | | 88 | 15.1 | -15.1 | -.4 | | 85 | 12.9 | -12.8 | -1.0 | 1745 |
| 850 | | 99 | 14.0 | -13.8 | 2.2 | | 96 | 10.0 | -10.0 | 1.0 | | 78 | 13.4 | -13.1 | -2.8 | | 83 | 15.4 | -15.3 | -1.8 | 1490 |
| 875 | | 96 | 13.5 | -13.4 | 1.5 | | 91 | 10.3 | -10.3 | .2 | | 75 | 12.2 | -11.8 | -3.2 | | 84 | 13.9 | -13.8 | -1.5 | 1242 |
| 900 | | 95 | 12.2 | -12.1 | 1.1 | | 103 | 8.6 | -8.4 | 2.0 | | 81 | 13.1 | -12.9 | -2.1 | | 85 | 12.0 | -11.9 | -1.1 | 999 |
| 925 | | 94 | 10.6 | -10.5 | .8 | | 124 | 6.7 | -5.6 | 3.7 | | 82 | 13.1 | -12.9 | -1.8 | | 86 | 11.1 | -11.1 | -.9 | 762 |
| 950 | | 98 | 8.1 | -8.0 | 1.2 | | 123 | 5.4 | -4.5 | 2.9 | | 81 | 9.8 | -9.7 | -1.6 | | 87 | 9.6 | -9.6 | -.5 | 529 |
| 975 | | 115 | 5.7 | -5.2 | 2.4 | | 113 | 5.1 | -4.7 | 2.0 | | 85 | 7.5 | -7.5 | -.6 | | 93 | 7.2 | -7.2 | .4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 6 1514 GMT | | | | 4/ 6 18 4 GMT | | | | 4/ 6 2130 GMT | | | | 4/ 6 2325 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 19.3 | 19.1 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 22.5 | 20.9 | 8.3 | 19517 |
| 70 | | 259 | 17.8 | 17.5 | 3.5 | | 276 | 17.1 | 16.9 | -1.9 | | 238 | 11.1 | 9.4 | 5.8 | | 259 | 17.2 | 16.9 | 3.2 | 18589 |
| 80 | | 268 | 11.7 | 11.7 | .3 | | 257 | 10.2 | 9.9 | 2.2 | | 308 | 16.8 | 13.2 | -10.4 | | 262 | 13.6 | 13.4 | 1.8 | 17801 |
| 90 | | 237 | 8.6 | 7.2 | 4.6 | | 239 | 8.8 | 7.6 | 4.6 | | 308 | 16.9 | 13.2 | -10.4 | | 274 | 6.5 | 6.5 | -.5 | 17121 |
| 100 | | 322 | 12.9 | 8.0 | -10.1 | | 311 | 15.5 | 11.7 | -10.2 | | 291 | 13.7 | 12.8 | -4.9 | | 313 | 18.7 | 13.7 | -12.7 | 16521 |
| 110 | | 312 | 17.2 | 12.7 | -11.6 | | 312 | 18.1 | 13.5 | -12.1 | | 278 | 13.1 | 12.9 | -1.8 | | 313 | 14.9 | 10.9 | -10.1 | 15978 |
| 120 | | 292 | 11.3 | 10.4 | -4.3 | | 309 | 11.1 | 8.6 | -7.1 | | 256 | 11.3 | 11.0 | 2.7 | | 271 | 11.5 | 11.5 | -.3 | 15479 |
| 130 | | 285 | 10.8 | 10.4 | -2.7 | | 308 | 14.1 | 11.1 | -8.7 | | 207 | 15.4 | 7.0 | 13.7 | | 275 | 13.1 | 13.1 | -1.1 | 15014 |
| 140 | | 258 | 10.9 | 10.7 | 2.2 | | 289 | 10.9 | 10.3 | -3.6 | | 187 | 20.9 | 2.6 | 20.8 | | 268 | 10.5 | 10.5 | .3 | 14578 |
| 150 | | 223 | 13.8 | 9.5 | 10.1 | | 226 | 9.2 | 6.7 | 6.4 | | 193 | 19.9 | 4.4 | 19.4 | | 224 | 11.5 | 8.0 | 8.3 | 14167 |
| 160 | | 216 | 14.0 | 8.2 | 11.3 | | 205 | 14.0 | 5.9 | 12.7 | 1 | 192 | 17.6 | 3.6 | 17.2 | | 187 | 16.0 | 2.1 | 15.8 | 13776 |
| 170 | | 215 | 12.7 | 7.2 | 10.4 | | 203 | 15.0 | 5.9 | 13.7 | 0 | 189 | 15.8 | 2.5 | 15.6 | | 188 | 18.3 | 2.7 | 18.1 | 13404 |
| 180 | | 206 | 13.9 | 6.1 | 12.5 | | 204 | 15.0 | 6.1 | 13.7 | 0 | 189 | 14.2 | 2.3 | 14.0 | | 195 | 18.5 | 4.9 | 17.8 | 13049 |
| 190 | | 204 | 12.0 | 4.9 | 10.9 | | 202 | 15.9 | 5.9 | 14.7 | 0 | 186 | 12.9 | 1.4 | 12.8 | | 193 | 17.9 | 4.0 | 17.5 | 12709 |
| 200 | | 187 | 9.5 | 1.2 | 9.4 | | 199 | 15.9 | 5.1 | 15.1 | 0 | 182 | 11.9 | .4 | 11.9 | | 192 | 17.4 | 3.6 | 17.0 | 12383 |
| 225 | | 194 | 7.9 | 2.0 | 7.7 | | 179 | 8.2 | -.1 | 8.2 | 0 | 169 | 9.0 | -1.7 | 8.8 | | 191 | 14.6 | 2.9 | 14.4 | 11617 |
| 250 | | 247 | 7.0 | 6.5 | 2.8 | | 208 | 4.8 | 2.3 | 4.3 | 0 | 154 | 6.3 | -2.7 | 5.6 | | 177 | 8.1 | -.5 | 8.1 | 10914 |
| 275 | | 272 | 5.4 | 5.4 | -.2 | | 264 | 3.2 | 3.2 | .3 | 0 | 150 | 3.8 | -1.9 | 3.3 | | 223 | 3.6 | 2.4 | 2.6 | 10262 |
| 300 | | 270 | 5.8 | 5.8 | .0 | | 276 | 6.3 | 6.2 | -.6 | 2 | 334 | 1.2 | .5 | -1.1 | | 290 | 4.5 | 4.2 | -1.6 | 9654 |
| 325 | | 264 | 4.8 | 4.8 | .5 | | 280 | 2.3 | 2.3 | -.4 | 2 | 316 | 4.4 | 3.0 | -3.1 | | 323 | 5.6 | 3.3 | -4.5 | 9084 |
| 350 | | 276 | 6.3 | 6.3 | -.6 | | 294 | 7.3 | 6.6 | -2.9 | | 317 | 4.4 | 3.0 | -3.2 | | 330 | 4.4 | 2.2 | -3.8 | 8546 |
| 375 | | 252 | 5.4 | 5.1 | 1.7 | | 274 | 1.7 | 1.7 | -.1 | | 317 | 4.2 | 2.9 | -3.1 | | 280 | 3.4 | 3.4 | -.6 | 8039 |
| 400 | | 292 | 1.7 | 1.6 | -.6 | | 69 | .8 | -.8 | -.3 | | 311 | 3.3 | 2.5 | -2.2 | | 31 | 3.0 | -1.6 | -2.6 | 7557 |
| 425 | | 344 | 7.5 | 2.1 | -7.2 | | 3 | 6.3 | -.3 | -6.3 | | 0 | 8.8 | -.0 | -8.8 | | 13 | 6.8 | -1.5 | -6.6 | 7099 |
| 450 | | 351 | 7.9 | 1.3 | -7.8 | | 2 | 7.8 | -.3 | -7.8 | | 359 | 9.2 | .1 | -9.2 | | 354 | 9.4 | 1.1 | -9.3 | 6662 |
| 475 | | 2 | 6.5 | -.3 | -6.5 | | 15 | 5.6 | -1.5 | -5.4 | | 19 | 5.4 | -1.7 | -5.1 | | 4 | 6.9 | -.5 | -6.9 | 6244 |
| 500 | | 46 | 4.1 | -2.9 | -2.8 | | 65 | 4.5 | -4.1 | -1.9 | | 94 | 1.7 | -1.7 | .1 | | 59 | 2.2 | -1.9 | -1.1 | 5844 |
| 525 | | 74 | 3.8 | -3.6 | -1.0 | | 75 | 5.0 | -4.8 | -1.3 | | 97 | 2.7 | -2.6 | .3 | | 108 | 4.0 | -3.8 | 1.3 | 5460 |
| 550 | | 82 | 2.7 | -2.7 | -.4 | | 78 | 2.7 | -2.6 | -.6 | | 88 | 4.6 | -4.6 | -.1 | | 85 | 2.2 | -2.2 | -.2 | 5091 |
| 575 | | 91 | 6.1 | -6.1 | .1 | | 110 | 6.0 | -5.6 | 2.0 | | 133 | 3.7 | -2.7 | 2.5 | | 142 | 4.4 | -2.7 | 3.5 | 4736 |
| 600 | | 89 | 8.3 | -8.3 | -.2 | | 98 | 7.9 | -7.8 | 1.1 | | 117 | 6.2 | -5.6 | 2.8 | | 116 | 6.7 | -6.0 | 2.9 | 4393 |
| 625 | | 109 | 7.8 | -7.3 | 2.5 | | 113 | 8.7 | -8.0 | 3.3 | | 114 | 8.5 | -7.8 | 3.4 | | 107 | 8.3 | -8.0 | 2.4 | 4062 |
| 650 | | 118 | 7.3 | -6.5 | 3.5 | | 128 | 9.4 | -7.4 | 5.8 | | 130 | 9.2 | -7.0 | 5.9 | | 120 | 10.3 | -8.9 | 5.2 | 3742 |
| 675 | | 119 | 7.7 | -6.8 | 3.7 | | 132 | 9.8 | -7.3 | 6.5 | | 128 | 11.3 | -8.9 | 7.0 | | 116 | 12.7 | -11.4 | 5.7 | 3431 |
| 700 | | 121 | 7.6 | -6.5 | 4.0 | | 133 | 8.5 | -6.2 | 5.9 | | 122 | 11.2 | -9.5 | 5.9 | | 107 | 13.6 | -12.9 | 4.1 | 3130 |
| 725 | | 121 | 9.8 | -8.4 | 5.0 | | 124 | 8.6 | -7.1 | 4.7 | | 116 | 9.1 | -8.2 | 3.9 | | 107 | 11.5 | -11.0 | 3.4 | 2837 |
| 750 | | 115 | 13.8 | -12.5 | 5.8 | | 113 | 13.6 | -12.5 | 5.3 | | 105 | 11.3 | -10.9 | 2.9 | | 108 | 13.1 | -12.5 | 4.0 | 2553 |
| 775 | | 104 | 15.1 | -14.7 | 3.5 | | 105 | 16.4 | -15.8 | 4.3 | | 97 | 14.8 | -14.7 | 1.9 | | 98 | 16.1 | -15.9 | 2.3 | 2276 |
| 800 | | 89 | 14.5 | -14.5 | -.3 | | 98 | 14.2 | -14.1 | 2.0 | | 90 | 15.6 | -15.6 | .1 | | 89 | 15.8 | -15.8 | -.4 | 2007 |
| 825 | | 82 | 14.2 | -14.1 | -2.0 | | 98 | 13.2 | -13.1 | 1.8 | | 87 | 14.9 | -14.9 | -.7 | | 84 | 14.3 | -14.2 | -1.6 | 1745 |
| 850 | | 83 | 13.4 | -13.3 | -1.6 | | 98 | 14.5 | -14.4 | 2.0 | | 87 | 15.5 | -15.5 | -.7 | | 81 | 12.7 | -12.6 | -1.9 | 1490 |
| 875 | | 85 | 12.6 | -12.5 | -1.2 | | 92 | 14.7 | -14.7 | .6 | | 86 | 15.8 | -15.8 | -1.0 | | 81 | 11.3 | -11.1 | -1.7 | 1242 |
| 900 | | 85 | 11.5 | -11.4 | -.9 | | 86 | 14.0 | -14.0 | -1.0 | | 88 | 14.5 | -14.5 | -.6 | | 84 | 12.0 | -11.9 | -1.2 | 999 |
| 925 | | 90 | 10.3 | -10.3 | .0 | | 87 | 13.2 | -13.2 | -.6 | | 93 | 13.3 | -13.3 | .6 | | 87 | 12.4 | -12.4 | -.6 | 762 |
| 950 | | 99 | 9.5 | -9.4 | 1.4 | | 93 | 11.2 | -11.2 | .6 | | 98 | 12.5 | -12.4 | 1.8 | | 89 | 10.0 | -10.0 | -.2 | 529 |
| 975 | | 104 | 7.7 | -7.5 | 1.9 | | 98 | 8.9 | -8.8 | 1.3 | | 101 | 11.1 | -10.9 | 2.2 | | 89 | 7.3 | -7.3 | -.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 7 225 GMT | | | | 4/ 7 620 GMT | | | | 4/ 7 855 GMT | | | | 4/ 7 12 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 20.1 | 19.7 | 4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 16.3 | 15.8 | 4.2 | 19517 |
| 70 | | 267 | 16.9 | 16.8 | .7 | | 253 | 15.3 | 14.7 | 4.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 19.6 | 19.6 | -.5 | 18589 |
| 80 | | 243 | 14.3 | 12.8 | 6.4 | | 248 | 10.1 | 9.3 | 3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 16.9 | 16.9 | -1.2 | 17801 |
| 90 | | 236 | 9.5 | 7.9 | 5.3 | | 314 | 15.4 | 11.0 | -10.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 15.5 | 14.8 | 4.6 | 17121 |
| 100 | | 317 | 14.5 | 9.9 | -10.6 | | 312 | 10.1 | 7.5 | -6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 13.7 | 12.4 | -5.8 | 16521 |
| 110 | | 309 | 12.7 | 9.8 | -8.0 | | 269 | 11.1 | 11.1 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 12.0 | 10.6 | -5.7 | 15978 |
| 120 | | 291 | 11.6 | 10.9 | -4.1 | | 261 | 12.4 | 12.2 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 15479 |
| 130 | | 289 | 11.1 | 10.5 | -3.5 | | 259 | 11.0 | 10.8 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 15014 |
| 140 | | 279 | 10.3 | 10.2 | -1.6 | | 224 | 9.5 | 6.6 | 6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 14578 |
| 150 | | 233 | 10.2 | 8.1 | 6.2 | | 195 | 11.8 | 3.1 | 11.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | | | | | 14167 |
| 160 | | 194 | 14.1 | 3.4 | 13.7 | | 202 | 15.4 | 5.8 | 14.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 196 | 19.7 | 5.5 | 18.9 | 13776 |
| 170 | | 196 | 17.4 | 4.7 | 16.7 | | 204 | 17.7 | 7.2 | 16.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 177 | 16.5 | -.9 | 16.5 | 13404 |
| 180 | | 195 | 17.5 | 4.4 | 16.9 | | 190 | 14.5 | 2.6 | 14.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 191 | 14.3 | 2.7 | 14.1 | 13049 |
| 190 | | 186 | 18.1 | 2.0 | 18.0 | | 187 | 19.2 | 2.3 | 19.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 189 | 15.4 | 2.5 | 15.2 | 12709 |
| 200 | | 182 | 19.1 | .7 | 19.1 | | 186 | 18.2 | 1.9 | 18.1 | | 191 | 16.2 | 3.1 | 15.9 | | 201 | 15.6 | 5.6 | 14.5 | 12383 |
| 225 | | 186 | 15.9 | 1.6 | 15.8 | | 180 | 14.2 | -.0 | 14.2 | 2 | 192 | 14.9 | 3.2 | 14.6 | | 208 | 14.4 | 6.8 | 12.8 | 11617 |
| 250 | | 173 | 10.9 | -1.4 | 10.8 | | 191 | 9.9 | 1.8 | 9.7 | 1 | 191 | 9.0 | 1.7 | 8.8 | | 192 | 15.2 | 3.1 | 14.9 | 10914 |
| 275 | | 188 | 8.7 | 1.2 | 8.7 | | 202 | 7.6 | 2.8 | 7.1 | 0 | 187 | 8.7 | 1.1 | 8.6 | | 193 | 7.2 | 1.6 | 7.1 | 10262 |
| 300 | | 242 | 4.8 | 4.2 | 2.2 | | 256 | 2.5 | 2.5 | .6 | | 231 | 5.2 | 4.1 | 3.3 | | 204 | 6.3 | 2.5 | 5.8 | 9654 |
| 325 | | 278 | 5.0 | 5.0 | -.7 | | 299 | 4.9 | 4.3 | -2.3 | 1 | 307 | 5.0 | 4.0 | -3.0 | | 268 | 3.2 | 3.2 | .1 | 9084 |
| 350 | | 315 | 7.5 | 5.3 | -5.3 | | 316 | 5.4 | 3.8 | -3.9 | 1 | 333 | 5.7 | 2.6 | -5.1 | | 297 | 5.7 | 5.1 | -2.6 | 8546 |
| 375 | | 309 | 5.8 | 4.5 | -3.6 | | 316 | 4.8 | 3.3 | -3.5 | 3 | 340 | 4.4 | 1.5 | -4.1 | | 335 | 6.3 | 2.7 | -5.7 | 8039 |
| 400 | | 287 | 1.6 | 1.5 | -.5 | | 8 | .7 | -.1 | -.6 | 1 | 25 | 2.9 | -1.2 | -2.7 | | 355 | 5.7 | .5 | -5.6 | 7557 |
| 425 | | 24 | 4.9 | -1.9 | -4.5 | | 25 | 5.0 | -2.2 | -4.6 | 1 | 19 | 3.8 | -1.2 | -3.6 | | 26 | 3.5 | -1.5 | -3.2 | 7099 |
| 450 | | 1 | 9.0 | -.2 | -9.0 | | 354 | 8.4 | .9 | -8.3 | 3 | 355 | 7.4 | .6 | -7.4 | | 6 | 6.5 | -.7 | -6.4 | 6662 |
| 475 | | 360 | 8.4 | .0 | -8.4 | | 3 | 5.7 | -.3 | -5.7 | 2 | 357 | 5.2 | .2 | -5.2 | | 1 | 3.7 | -.1 | -3.7 | 6244 |
| 500 | | 35 | 3.0 | -1.7 | -2.4 | | 27 | 2.6 | -1.1 | -2.3 | 2 | 47 | 2.1 | -1.6 | -1.5 | | 202 | .7 | .3 | .7 | 5844 |
| 525 | | 107 | 1.8 | -1.7 | .5 | | 86 | 1.9 | -1.9 | -.1 | | 103 | 3.6 | -3.5 | .8 | | 99 | 3.5 | -3.5 | .6 | 5460 |
| 550 | | 120 | 3.0 | -2.6 | 1.5 | | 121 | 2.8 | -2.4 | 1.4 | 2 | 104 | 3.4 | -3.3 | .8 | | 129 | 4.4 | -3.4 | 2.8 | 5091 |
| 575 | | 151 | 3.1 | -1.5 | 2.7 | | 141 | 2.6 | -1.6 | 2.1 | 1 | 115 | 3.9 | -3.5 | 1.7 | | 144 | 3.4 | -2.0 | 2.8 | 4736 |
| 600 | | 127 | 5.2 | -4.2 | 3.1 | | 108 | 5.8 | -5.5 | 1.8 | 1 | 114 | 5.4 | -4.9 | 2.2 | | 129 | 5.8 | -4.5 | 3.6 | 4393 |
| 625 | | 112 | 8.2 | -7.6 | 3.1 | | 107 | 8.9 | -8.6 | 2.5 | 2 | 112 | 7.1 | -6.5 | 2.7 | | 111 | 9.3 | -8.7 | 3.3 | 4062 |
| 650 | | 119 | 10.9 | -9.6 | 5.3 | | 108 | 12.5 | -11.9 | 3.8 | 2 | 110 | 11.4 | -10.7 | 3.9 | | 104 | 11.0 | -10.6 | 2.7 | 3742 |
| 675 | | 111 | 12.6 | -11.8 | 4.5 | | 104 | 16.0 | -15.5 | 3.7 | 2 | 111 | 12.3 | -11.5 | 4.4 | | 111 | 11.6 | -10.9 | 4.1 | 3431 |
| 700 | | 107 | 13.2 | -12.7 | 3.9 | | 104 | 18.3 | -17.7 | 4.5 | 0 | 106 | 15.6 | -15.0 | 4.3 | | 111 | 14.2 | -13.2 | 5.1 | 3130 |
| 725 | | 104 | 16.0 | -15.5 | 3.9 | | 104 | 19.2 | -18.6 | 4.7 | 1 | 104 | 18.1 | -17.5 | 4.4 | | 102 | 17.0 | -16.6 | 3.5 | 2837 |
| 750 | | 102 | 18.5 | -18.1 | 4.0 | | 102 | 19.0 | -18.5 | 4.1 | 3 | 103 | 17.9 | -17.5 | 4.0 | | 99 | 18.2 | -17.9 | 2.9 | 2553 |
| 775 | | 103 | 17.4 | -16.9 | 4.0 | | 100 | 17.7 | -17.4 | 3.1 | | 99 | 17.2 | -17.0 | 2.8 | | 96 | 15.9 | -15.8 | 1.8 | 2276 |
| 800 | | 94 | 14.9 | -14.8 | 1.1 | | 94 | 15.5 | -15.4 | 1.2 | | 89 | 15.6 | -15.6 | -.3 | | 84 | 14.6 | -14.5 | -1.5 | 2007 |
| 825 | | 81 | 14.1 | -13.9 | -2.2 | | 82 | 12.9 | -12.8 | -1.8 | 2 | 76 | 13.9 | -13.5 | -3.4 | | 79 | 15.2 | -14.9 | -3.0 | 1745 |
| 850 | | 75 | 13.3 | -12.9 | -3.4 | | 69 | 16.5 | -15.4 | -5.8 | 1 | 70 | 12.6 | -11.8 | -4.2 | | 78 | 14.6 | -14.2 | -3.1 | 1490 |
| 875 | | 73 | 12.2 | -11.6 | -3.6 | | 71 | 13.2 | -12.5 | -4.4 | | 73 | 11.7 | -11.2 | -3.4 | | 78 | 13.3 | -13.0 | -2.8 | 1242 |
| 900 | | 74 | 11.5 | -11.1 | -3.1 | | 72 | 11.7 | -11.1 | -3.7 | | 77 | 11.5 | -11.2 | -2.6 | | 81 | 12.6 | -12.4 | -1.9 | 999 |
| 925 | | 82 | 10.6 | -10.5 | -1.5 | | 76 | 9.9 | -9.6 | -2.5 | | 82 | 11.4 | -11.3 | -1.5 | | 87 | 12.0 | -12.0 | -.7 | 762 |
| 950 | | 89 | 9.1 | -9.1 | -.2 | | 84 | 7.5 | -7.4 | -.8 | | 89 | 10.2 | -10.2 | -.2 | | 90 | 10.9 | -10.9 | .0 | 529 |
| 975 | | 87 | 7.1 | -7.1 | -.4 | | 89 | 6.7 | -6.7 | -.1 | | 95 | 8.7 | -8.7 | .7 | | 91 | 9.0 | -9.0 | .1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 7 18 4 GMT | | | | 4/ 7 2325 GMT | | | | 4/ 8 6 4 GMT | | | | 4/ 8 1315 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 247 | 15.0 | 13.9 | 5.8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 268 | 17.8 | 17.8 | .7 | 19517 |
| 70 | 266 | 18.0 | 17.9 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 256 | 21.1 | 20.5 | 5.0 | 252 | 25.8 | 24.6 | 7.8 | 18589 |
| 80 | 269 | 14.5 | 14.5 | .1 | 277 | 14.6 | 14.5 | -1.7 | 278 | 18.1 | 17.9 | -2.6 | 271 | 17.6 | 17.6 | -.4 | 17801 |
| 90 | 261 | 16.3 | 16.1 | 2.5 | 274 | 17.1 | 17.1 | -1.3 | 282 | 18.3 | 17.9 | -4.0 | 276 | 20.0 | 19.9 | -2.0 | 17121 |
| 100 | 295 | 18.0 | 16.3 | -7.5 | 295 | 19.8 | 18.0 | -8.4 | 296 | 20.3 | 18.3 | -8.8 | 307 | 19.1 | 15.3 | -11.4 | 16521 |
| 110 | 301 | 19.1 | 16.4 | -9.9 | 279 | 17.6 | 17.4 | -2.7 | 300 | 21.1 | 18.3 | -10.5 | 302 | 18.6 | 15.8 | -9.8 | 15978 |
| 120 | 286 | 11.7 | 11.3 | -3.3 | 270 | 14.4 | 14.4 | .0 | 268 | 14.6 | 14.6 | .5 | 262 | 15.6 | 15.5 | 2.0 | 15479 |
| 130 | 240 | 3.9 | 3.4 | 1.9 | 243 | 8.9 | 7.9 | 4.0 | 226 | 13.1 | 9.4 | 9.1 | 263 | 10.7 | 10.6 | 1.3 | 15014 |
| 140 | 240 | 10.0 | 8.7 | 5.0 | 214 | 9.0 | 5.0 | 7.5 | 206 | 14.6 | 6.4 | 13.1 | 232 | 12.7 | 10.1 | 7.8 | 14578 |
| 150 | 206 | 9.8 | 4.4 | 8.7 | 205 | 9.0 | 3.8 | 8.2 | 199 | 13.8 | 4.5 | 13.0 | 203 | 17.7 | 7.0 | 16.2 | 14167 |
| 160 | 175 | 13.7 | -1.1 | 13.7 | 195 | 9.1 | 2.4 | 8.8 | 196 | 14.8 | 4.0 | 14.2 | 192 | 24.8 | 5.1 | 24.3 | 13776 |
| 170 | 169 | 21.9 | -4.1 | 21.5 | 177 | 12.8 | -.6 | 12.8 | 189 | 18.6 | 3.0 | 18.4 | 194 | 30.3 | 7.2 | 29.4 | 13404 |
| 180 | 169 | 23.7 | -4.5 | 23.3 | 173 | 15.6 | -1.8 | 15.5 | 183 | 25.7 | 1.5 | 25.7 | 199 | 29.8 | 9.5 | 28.2 | 13049 |
| 190 | 179 | 20.6 | -.3 | 20.6 | 169 | 16.0 | -3.0 | 15.7 | 186 | 26.8 | 2.7 | 26.6 | 200 | 28.4 | 9.6 | 26.7 | 12709 |
| 200 | 190 | 18.3 | 3.0 | 18.1 | 177 | 18.0 | -1.0 | 18.0 | 190 | 24.0 | 4.4 | 23.6 | 204 | 26.1 | 10.6 | 23.9 | 12383 |
| 225 | 195 | 12.9 | 3.3 | 12.5 | 198 | 15.7 | 4.8 | 15.0 | 207 | 18.5 | 8.4 | 16.4 | 212 | 21.6 | 11.4 | 18.4 | 11617 |
| 250 | 207 | 10.3 | 4.7 | 9.2 | 173 | 10.4 | -1.3 | 10.3 | 214 | 13.5 | 7.5 | 11.3 | 229 | 13.3 | 10.0 | 8.7 | 10914 |
| 275 | 190 | 8.2 | 1.5 | 8.1 | 239 | 10.0 | 8.5 | 5.2 | 224 | 8.8 | 6.1 | 6.3 | 233 | 10.4 | 8.3 | 6.2 | 10262 |
| 300 | 218 | 4.6 | 2.8 | 3.6 | 206 | 7.4 | 3.2 | 6.7 | 228 | 8.3 | 6.2 | 5.5 | 236 | 8.1 | 6.7 | 4.6 | 9654 |
| 325 | 238 | 2.4 | 2.0 | 1.3 | 209 | 7.1 | 3.5 | 6.2 | 228 | 6.1 | 4.5 | 4.1 | 259 | 8.0 | 7.9 | 1.5 | 9084 |
| 350 | 311 | 6.3 | 4.8 | -4.1 | 233 | 3.7 | 3.0 | 2.3 | 259 | 5.9 | 5.8 | 1.1 | 265 | 8.0 | 7.9 | .6 | 8546 |
| 375 | 335 | 8.7 | 3.7 | -7.8 | 291 | 6.6 | 6.1 | -2.4 | 294 | 10.7 | 9.8 | -4.3 | 294 | 11.9 | 10.9 | -4.8 | 8039 |
| 400 | 2 | 7.9 | -.2 | -7.9 | 321 | 9.5 | 6.0 | -7.4 | 307 | 12.9 | 10.3 | -7.7 | 292 | 16.7 | 15.4 | -6.3 | 7557 |
| 425 | 16 | 6.4 | -1.7 | -6.1 | 346 | 10.1 | 2.4 | -9.8 | 334 | 11.3 | 5.0 | -10.1 | 308 | 18.1 | 14.3 | -11.1 | 7099 |
| 450 | 37 | 7.2 | -4.3 | -5.7 | 4 | 5.4 | -.3 | -5.4 | 341 | 12.2 | 4.0 | -11.5 | 323 | 11.9 | 7.1 | -9.5 | 6662 |
| 475 | 18 | 7.2 | -2.3 | -6.9 | 38 | 8.4 | -5.2 | -6.6 | 6 | 6.5 | -.7 | -6.5 | 338 | 7.6 | 2.9 | -7.0 | 6244 |
| 500 | 350 | .5 | .1 | -.5 | 37 | 5.8 | -3.4 | -4.6 | 34 | 6.4 | -3.6 | -5.3 | 53 | 2.9 | -2.4 | -1.8 | 5844 |
| 525 | 99 | 3.1 | -3.0 | .5 | 92 | 3.2 | -3.2 | .1 | 70 | 2.9 | -2.7 | -1.0 | 117 | 4.9 | -4.4 | 2.2 | 5460 |
| 550 | 158 | 2.7 | -1.0 | 2.5 | 135 | 4.8 | -3.4 | 3.4 | 145 | 5.1 | -2.9 | 4.2 | 134 | 5.8 | -4.2 | 4.0 | 5091 |
| 575 | 153 | 4.4 | -2.0 | 4.0 | 153 | 7.3 | -3.3 | 6.5 | 162 | 5.1 | -1.6 | 4.8 | 157 | 5.8 | -2.3 | 5.3 | 4736 |
| 600 | 140 | 5.7 | -3.7 | 4.4 | 147 | 5.4 | -2.9 | 4.5 | 150 | 6.2 | -3.1 | 5.4 | 185 | 5.6 | .5 | 5.6 | 4393 |
| 625 | 107 | 7.9 | -7.5 | 2.4 | 114 | 7.4 | -6.8 | 3.0 | 134 | 7.8 | -5.6 | 5.5 | 190 | 4.8 | .8 | 4.8 | 4062 |
| 650 | 101 | 9.9 | -9.7 | 2.0 | 108 | 8.2 | -7.8 | 2.6 | 117 | 7.8 | -6.9 | 3.5 | 170 | 3.3 | -.6 | 3.2 | 3742 |
| 675 | 112 | 11.1 | -10.3 | 4.1 | 116 | 8.1 | -7.3 | 3.6 | 112 | 6.3 | -5.8 | 2.4 | 125 | 3.0 | -2.5 | 1.7 | 3431 |
| 700 | 116 | 14.2 | -12.8 | 6.2 | 124 | 10.5 | -8.8 | 5.9 | 129 | 6.7 | -5.2 | 4.2 | 108 | 5.4 | -5.2 | 1.7 | 3130 |
| 725 | 109 | 16.4 | -15.5 | 5.3 | 113 | 12.0 | -11.1 | 4.7 | 111 | 11.0 | -10.2 | 4.0 | 102 | 9.9 | -9.7 | 2.1 | 2837 |
| 750 | 94 | 17.0 | -17.0 | 1.3 | 86 | 11.2 | -11.2 | -.8 | 92 | 13.0 | -13.0 | .5 | 93 | 11.1 | -11.1 | .6 | 2553 |
| 775 | 83 | 15.7 | -15.6 | -1.9 | 62 | 9.2 | -8.1 | -4.4 | 71 | 11.1 | -10.5 | -3.7 | 82 | 11.0 | -10.9 | -1.5 | 2276 |
| 800 | 75 | 15.3 | -14.9 | -3.9 | 67 | 8.0 | -7.4 | -3.1 | 58 | 10.8 | -9.1 | -5.7 | 81 | 11.5 | -11.4 | -1.8 | 2007 |
| 825 | 76 | 15.9 | -15.4 | -3.9 | 78 | 10.1 | -9.9 | -2.0 | 62 | 10.8 | -9.6 | -5.1 | 84 | 10.6 | -10.5 | -1.0 | 1745 |
| 850 | 79 | 15.1 | -14.9 | -2.8 | 82 | 11.9 | -11.8 | -1.6 | 70 | 11.2 | -10.6 | -3.8 | 80 | 10.0 | -9.8 | -1.7 | 1490 |
| 875 | 84 | 13.2 | -13.1 | -1.3 | 87 | 12.3 | -12.3 | -.6 | 80 | 11.8 | -11.6 | -2.0 | 83 | 9.1 | -9.1 | -1.1 | 1242 |
| 900 | 95 | 11.5 | -11.5 | .9 | 93 | 11.2 | -11.2 | .5 | 90 | 11.9 | -11.9 | .0 | 96 | 7.0 | -6.9 | .8 | 999 |
| 925 | 100 | 10.2 | -10.1 | 1.8 | 101 | 8.4 | -8.2 | 1.6 | 102 | 10.6 | -10.4 | 2.1 | 112 | 6.0 | -5.6 | 2.3 | 762 |
| 950 | 96 | 8.0 | -7.9 | .8 | 113 | 6.3 | -5.8 | 2.4 | 118 | 8.2 | -7.3 | 3.8 | 122 | 6.8 | -5.8 | 3.6 | 529 |
| 975 | 96 | 6.5 | -6.5 | .6 | 115 | 5.7 | -5.2 | 2.4 | 131 | 7.1 | -5.4 | 4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 8 1725 GMT | | | | 4/ 8 20 0 GMT | | | | 4/ 8 2315 GMT | | | | 4/ 9 130 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 256 | 22.2 | 21.5 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 15.0 | 14.4 | -3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 268 | 21.0 | 21.0 | .8 | | 266 | 21.1 | 21.1 | 1.5 | | 266 | 20.9 | 20.9 | 1.5 | | 267 | 21.4 | 21.4 | 1.1 | 18589 |
| 80 | | 265 | 20.2 | 20.1 | 1.8 | | 268 | 20.5 | 20.5 | .7 | | 261 | 20.4 | 20.1 | 3.3 | | 266 | 20.0 | 20.0 | 1.4 | 17801 |
| 90 | | 282 | 17.6 | 17.3 | -3.5 | | 280 | 17.3 | 17.0 | -3.0 | | 278 | 19.5 | 19.3 | -2.6 | | 264 | 20.1 | 20.0 | 2.1 | 17121 |
| 100 | | 314 | 16.6 | 12.0 | -11.5 | | 321 | 17.7 | 11.1 | -13.8 | | 308 | 16.4 | 12.9 | -10.1 | | 312 | 17.4 | 12.9 | -11.7 | 16521 |
| 110 | | 309 | 19.4 | 15.0 | -12.4 | | 306 | 20.8 | 16.9 | -12.2 | | 309 | 22.4 | 17.5 | -14.0 | | 301 | 22.3 | 19.1 | -11.5 | 15978 |
| 120 | 2 | 283 | 13.4 | 13.0 | -3.1 | | 276 | 16.8 | 16.7 | -1.8 | | 284 | 18.9 | 18.3 | -4.7 | | 286 | 18.0 | 17.3 | -5.1 | 15479 |
| 130 | 0 | 245 | 15.7 | 14.2 | 6.6 | | 265 | 13.8 | 13.7 | 1.3 | | 280 | 18.9 | 18.6 | -3.1 | | 282 | 12.8 | 12.5 | -2.7 | 15014 |
| 140 | 0 | 224 | 19.7 | 13.7 | 14.1 | | 257 | 13.1 | 12.7 | 3.0 | | 274 | 16.2 | 16.1 | -1.0 | | 254 | 12.2 | 11.8 | 3.5 | 14578 |
| 150 | 0 | 214 | 23.0 | 12.7 | 19.2 | | 223 | 12.1 | 8.2 | 8.9 | | 248 | 13.3 | 12.3 | 5.0 | | 243 | 15.5 | 13.8 | 7.0 | 14167 |
| 160 | 0 | 208 | 25.4 | 12.1 | 22.3 | | 196 | 19.7 | 5.3 | 19.0 | | 216 | 13.2 | 7.7 | 10.7 | | 228 | 16.5 | 12.2 | 11.1 | 13776 |
| 170 | 0 | 205 | 25.6 | 10.7 | 23.3 | | 191 | 25.5 | 4.8 | 25.0 | | 196 | 22.2 | 6.1 | 21.3 | | 204 | 19.6 | 8.1 | 17.8 | 13404 |
| 180 | 0 | 200 | 23.6 | 7.9 | 22.2 | | 192 | 24.5 | 5.2 | 23.9 | | 196 | 27.2 | 7.7 | 26.1 | | 187 | 25.0 | 3.0 | 24.8 | 13049 |
| 190 | 0 | 195 | 21.5 | 5.6 | 20.8 | | 198 | 21.5 | 6.5 | 20.5 | | 194 | 24.6 | 5.8 | 23.8 | | 181 | 25.6 | .3 | 25.6 | 12709 |
| 200 | 0 | 194 | 20.2 | 4.8 | 19.6 | | 199 | 21.2 | 7.1 | 20.0 | | 195 | 21.6 | 5.7 | 20.8 | | 187 | 22.7 | 2.6 | 22.5 | 12383 |
| 225 | 0 | 199 | 17.5 | 5.7 | 16.6 | | 217 | 18.4 | 11.2 | 14.6 | | 236 | 13.8 | 11.4 | 7.8 | | 215 | 15.2 | 8.7 | 12.5 | 11617 |
| 250 | | 212 | 16.9 | 9.0 | 14.3 | | 217 | 17.6 | 10.5 | 14.2 | | 226 | 18.4 | 13.2 | 12.8 | | 245 | 13.0 | 11.8 | 5.6 | 10914 |
| 275 | | 233 | 13.3 | 10.6 | 8.0 | | 236 | 14.0 | 11.6 | 7.8 | | 236 | 15.3 | 12.6 | 8.7 | | 242 | 14.8 | 13.0 | 6.9 | 10262 |
| 300 | | 254 | 8.9 | 8.5 | 2.5 | | 254 | 10.8 | 10.4 | 3.0 | | 254 | 12.6 | 12.1 | 3.5 | | 254 | 14.2 | 13.7 | 4.0 | 9654 |
| 325 | | 282 | 8.9 | 8.7 | -1.8 | | 279 | 10.4 | 10.3 | -1.6 | | 284 | 10.9 | 10.6 | -2.6 | 2 | 281 | 12.3 | 12.1 | -2.3 | 9084 |
| 350 | | 293 | 11.4 | 10.5 | -4.5 | | 293 | 11.5 | 10.6 | -4.5 | | 292 | 15.2 | 14.2 | -5.6 | | 294 | 13.0 | 11.9 | -5.3 | 8546 |
| 375 | | 309 | 14.6 | 11.4 | -9.1 | | 303 | 11.4 | 9.6 | -6.2 | | 306 | 15.6 | 12.7 | -9.1 | | 306 | 14.4 | 11.6 | -8.5 | 8039 |
| 400 | | 300 | 16.0 | 13.9 | -8.0 | | 303 | 15.5 | 13.0 | -8.4 | | 311 | 11.0 | 8.3 | -7.2 | | 316 | 10.4 | 7.3 | -7.5 | 7557 |
| 425 | | 302 | 14.0 | 11.8 | -7.5 | | 300 | 13.3 | 11.5 | -6.6 | | 303 | 9.9 | 8.3 | -5.4 | | 303 | 7.6 | 6.3 | -4.2 | 7099 |
| 450 | 2 | 303 | 12.3 | 10.4 | -6.7 | 1 | 308 | 9.8 | 7.7 | -6.1 | | 294 | 6.7 | 6.1 | -2.7 | | 282 | 5.7 | 5.6 | -1.2 | 6662 |
| 475 | 0 | 307 | 6.2 | 4.9 | -3.7 | 2 | 301 | 4.9 | 4.2 | -2.5 | | 292 | 4.2 | 3.9 | -1.6 | | 266 | 2.9 | 2.9 | .2 | 6244 |
| 500 | 0 | 275 | 1.1 | 1.1 | -.1 | | 268 | 1.2 | 1.2 | .0 | | 220 | 3.9 | 2.5 | 3.0 | | 213 | 3.8 | 2.0 | 3.2 | 5844 |
| 525 | 3 | 150 | 3.4 | -1.7 | 2.9 | | 153 | 3.5 | -1.6 | 3.1 | | 210 | 4.3 | 2.2 | 3.7 | | 212 | 6.4 | 3.4 | 5.4 | 5460 |
| 550 | | 174 | 3.7 | -.4 | 3.7 | | 171 | 5.5 | -.9 | 5.5 | | 194 | 4.9 | 1.1 | 4.7 | | 207 | 5.2 | 2.4 | 4.7 | 5091 |
| 575 | | 169 | 3.6 | -.7 | 3.5 | | 199 | 4.4 | 1.4 | 4.2 | | 212 | 5.2 | 2.8 | 4.4 | | 232 | 5.9 | 4.6 | 3.7 | 4736 |
| 600 | | | | | | | 216 | 3.7 | 2.1 | 3.0 | | 228 | 5.1 | 3.8 | 3.5 | | 243 | 6.4 | 5.7 | 2.9 | 4393 |
| 625 | | | | | | | 231 | 2.8 | 2.2 | 1.8 | | 231 | 2.6 | 2.0 | 1.6 | | 239 | 2.6 | 2.3 | 1.3 | 4062 |
| 650 | | | | | | | 163 | .8 | -.2 | .7 | | 216 | 1.2 | .7 | 1.0 | | 232 | 1.1 | .9 | .7 | 3742 |
| 675 | | | | | | | 78 | 2.7 | -2.6 | -.6 | | 89 | 1.2 | -1.2 | -.0 | | 152 | .3 | -.1 | .2 | 3431 |
| 700 | | 98 | 14.1 | -13.9 | 1.9 | | 89 | 4.5 | -4.5 | -.0 | | 81 | 2.6 | -2.5 | -.4 | | 108 | 3.0 | -2.8 | .9 | 3130 |
| 725 | | 96 | 14.7 | -14.6 | 1.5 | | 100 | 9.0 | -8.8 | 1.6 | | 99 | 5.1 | -5.0 | .8 | | 108 | 5.3 | -5.0 | 1.6 | 2837 |
| 750 | | 89 | 10.9 | -10.9 | -.1 | | 94 | 10.9 | -10.9 | .8 | | 93 | 8.3 | -8.3 | .4 | | 104 | 8.7 | -8.4 | 2.1 | 2553 |
| 775 | | 84 | 8.3 | -8.2 | -.8 | | 81 | 10.8 | -10.6 | -1.8 | | 80 | 10.5 | -10.3 | -1.9 | | 94 | 8.7 | -8.6 | .6 | 2276 |
| 800 | | 82 | 9.4 | -9.3 | -1.3 | | 73 | 10.9 | -10.4 | -3.1 | | 74 | 11.7 | -11.2 | -3.3 | | 86 | 8.2 | -8.1 | -.6 | 2007 |
| 825 | | 76 | 11.6 | -11.3 | -2.7 | | 76 | 11.0 | -10.7 | -2.7 | | 78 | 11.4 | -11.2 | -2.3 | | 86 | 9.6 | -9.6 | -.6 | 1745 |
| 850 | | 78 | 11.5 | -11.3 | -2.4 | | 79 | 10.8 | -10.6 | -2.0 | | 88 | 10.6 | -10.6 | -.3 | | 83 | 11.7 | -11.6 | -1.4 | 1490 |
| 875 | | 91 | 11.1 | -11.1 | .2 | | 87 | 11.0 | -11.0 | -.6 | | 97 | 10.7 | -10.6 | 1.2 | | 88 | 11.9 | -11.9 | -.3 | 1242 |
| 900 | | 104 | 12.2 | -11.8 | 3.0 | | 102 | 11.7 | -11.5 | 2.4 | | 104 | 12.0 | -11.6 | 2.9 | | 102 | 10.6 | -10.4 | 2.2 | 999 |
| 925 | | 110 | 11.9 | -11.2 | 4.1 | | 116 | 12.1 | -10.9 | 5.4 | | 114 | 12.4 | -11.4 | 5.0 | | 113 | 9.4 | -8.7 | 3.7 | 762 |
| 950 | | 117 | 9.9 | -8.8 | 4.5 | | 126 | 11.9 | -9.6 | 7.0 | | 126 | 10.0 | -8.1 | 6.0 | | 121 | 8.2 | -7.1 | 4.3 | 529 |
| 975 | | 127 | 8.4 | -6.7 | 5.1 | | 132 | 11.6 | -8.6 | 7.7 | | 145 | 8.0 | -4.6 | 6.5 | | 132 | 8.0 | -6.0 | 5.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/ 9 5 8 GMT | | | | 4/ 9 12 4 GMT | | | | 4/ 9 1734 GMT | | | | 4/ 9 2332 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 21.1 | 19.4 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 20.7 | 20.7 | -.4 | 19517 |
| 70 | | 262 | 20.6 | 20.3 | 3.0 | | 281 | 22.6 | 22.2 | -4.2 | | 277 | 26.6 | 26.4 | -3.1 | | 276 | 23.0 | 22.9 | -2.4 | 18589 |
| 80 | | 265 | 18.4 | 18.3 | 1.6 | | 267 | 20.9 | 20.9 | 1.3 | | 278 | 21.2 | 21.0 | -2.9 | | 289 | 15.7 | 14.8 | -5.1 | 17801 |
| 90 | | 275 | 17.3 | 17.3 | -1.4 | | 270 | 18.8 | 18.8 | -.1 | | 277 | 18.4 | 18.2 | -2.3 | | 270 | 19.4 | 19.4 | -.0 | 17121 |
| 100 | | 315 | 18.7 | 13.3 | -13.2 | | 320 | 21.0 | 13.6 | -16.0 | | 294 | 16.6 | 15.2 | -6.6 | | 314 | 14.7 | 10.6 | -10.3 | 16521 |
| 110 | | 308 | 26.2 | 20.7 | -16.0 | | 297 | 23.5 | 20.9 | -10.8 | | 311 | 23.8 | 18.0 | -15.6 | | 315 | 17.9 | 12.7 | -12.6 | 15978 |
| 120 | | 290 | 22.9 | 21.5 | -8.0 | | 277 | 23.9 | 23.7 | -3.0 | | 295 | 22.4 | 20.3 | -9.6 | | 312 | 24.2 | 17.9 | -16.3 | 15479 |
| 130 | | 278 | 21.4 | 21.1 | -3.1 | | 273 | 20.5 | 20.5 | -1.1 | | 283 | 22.8 | 22.2 | -5.2 | | 286 | 20.6 | 19.8 | -5.7 | 15014 |
| 140 | | 273 | 16.8 | 16.8 | -.8 | | 271 | 15.1 | 15.1 | -.4 | | 283 | 21.1 | 20.5 | -4.8 | | 271 | 17.7 | 17.7 | -.3 | 14578 |
| 150 | | 253 | 14.7 | 14.1 | 4.2 | | 264 | 12.2 | 12.1 | 1.2 | | 273 | 17.1 | 17.0 | -.8 | | 261 | 12.7 | 12.6 | 2.1 | 14167 |
| 160 | | 225 | 16.2 | 11.5 | 11.3 | | 245 | 12.1 | 10.9 | 5.2 | | 248 | 11.7 | 10.8 | 4.4 | | 242 | 9.2 | 8.2 | 4.3 | 13776 |
| 170 | | 202 | 19.0 | 7.0 | 17.7 | | 219 | 13.3 | 8.3 | 10.4 | | 230 | 13.8 | 10.7 | 8.8 | | 225 | 13.6 | 9.6 | 9.7 | 13404 |
| 180 | | 193 | 22.5 | 5.2 | 21.9 | | 203 | 18.4 | 7.1 | 17.0 | | 217 | 16.8 | 10.0 | 13.5 | | 218 | 17.4 | 10.6 | 13.8 | 13049 |
| 190 | | 190 | 25.0 | 4.5 | 24.6 | | 194 | 23.0 | 5.7 | 22.3 | | 200 | 19.5 | 6.6 | 18.4 | | 209 | 17.8 | 8.8 | 15.5 | 12709 |
| 200 | | 186 | 26.8 | 3.0 | 26.7 | | 188 | 23.6 | 3.3 | 23.4 | | 195 | 22.5 | 5.7 | 21.8 | | 201 | 17.6 | 6.4 | 16.4 | 12383 |
| 225 | | 194 | 17.2 | 4.0 | 16.7 | | 187 | 19.2 | 2.3 | 19.1 | | 194 | 21.9 | 5.2 | 21.2 | | 215 | 15.0 | 8.6 | 12.3 | 11617 |
| 250 | | 225 | 13.7 | 9.7 | 9.6 | | 230 | 13.8 | 10.6 | 8.9 | | 212 | 15.7 | 8.4 | 13.3 | | 232 | 12.7 | 10.1 | 7.8 | 10914 |
| 275 | | 245 | 13.6 | 12.3 | 5.8 | | 277 | 14.4 | 14.3 | -1.9 | | 253 | 14.6 | 14.0 | 4.2 | | 251 | 13.7 | 12.9 | 4.5 | 10262 |
| 300 | | 253 | 13.9 | 13.3 | 4.1 | | 280 | 14.7 | 14.5 | -2.7 | | 283 | 13.6 | 13.2 | -3.0 | | 257 | 7.9 | 7.7 | 1.8 | 9654 |
| 325 | | 265 | 14.7 | 14.7 | 1.4 | | 276 | 14.7 | 14.6 | -1.4 | | 286 | 15.4 | 14.9 | -4.2 | | 266 | 13.6 | 13.6 | .9 | 9084 |
| 350 | | 280 | 13.3 | 13.1 | -2.4 | | 280 | 12.4 | 12.3 | -2.1 | | 291 | 15.6 | 14.6 | -5.5 | | 270 | 14.0 | 14.0 | .0 | 8546 |
| 375 | | 315 | 10.9 | 7.7 | -7.8 | | 304 | 14.7 | 12.1 | -8.3 | | 299 | 15.2 | 13.2 | -7.5 | | 287 | 13.5 | 12.9 | -3.9 | 8039 |
| 400 | | 318 | 9.5 | 6.4 | -7.1 | | 303 | 11.1 | 9.3 | -6.1 | | 304 | 15.9 | 13.2 | -8.9 | | 291 | 11.1 | 10.4 | -4.0 | 7557 |
| 425 | | 332 | 7.1 | 3.3 | -6.2 | | 304 | 6.4 | 5.3 | -3.6 | | 317 | 14.6 | 9.9 | -10.8 | | 293 | 9.5 | 8.8 | -3.8 | 7099 |
| 450 | | 285 | 7.8 | 7.6 | -2.0 | | 292 | 7.3 | 6.7 | -2.7 | | 303 | 12.3 | 10.3 | -6.8 | | 299 | 11.2 | 9.8 | -5.5 | 6662 |
| 475 | | 252 | 5.3 | 5.0 | 1.6 | | 264 | 9.1 | 9.1 | 1.0 | | 281 | 7.9 | 7.8 | -1.5 | | 289 | 8.8 | 8.3 | -2.9 | 6244 |
| 500 | | 252 | 3.5 | 3.3 | 1.1 | | 271 | 6.6 | 6.6 | -.1 | | 281 | 8.2 | 8.0 | -1.6 | | 267 | 8.5 | 8.5 | .4 | 5844 |
| 525 | | 236 | 4.1 | 3.4 | 2.3 | | 253 | 8.1 | 7.7 | 2.3 | | 265 | 7.8 | 7.8 | .7 | | 246 | 10.1 | 9.2 | 4.1 | 5460 |
| 550 | | 224 | 4.5 | 3.1 | 3.3 | | 242 | 9.0 | 7.9 | 4.2 | | 246 | 8.0 | 7.3 | 3.3 | | 235 | 11.5 | 9.4 | 6.7 | 5091 |
| 575 | | 233 | 5.0 | 4.0 | 2.9 | | 239 | 7.3 | 6.3 | 3.7 | | 235 | 8.1 | 6.6 | 4.6 | | 233 | 10.3 | 8.2 | 6.3 | 4736 |
| 600 | | 253 | 4.7 | 4.5 | 1.4 | | 198 | 4.2 | 1.3 | 4.0 | | 229 | 8.1 | 6.1 | 5.4 | | 238 | 8.9 | 7.6 | 4.7 | 4393 |
| 625 | | 268 | 3.0 | 3.0 | .1 | | 255 | 5.2 | 5.0 | 1.4 | | 239 | 6.4 | 5.5 | 3.4 | | 256 | 8.0 | 7.8 | 1.9 | 4062 |
| 650 | | 329 | 1.1 | .6 | -1.0 | | 280 | 4.6 | 4.5 | -.8 | | 265 | 5.3 | 5.3 | .4 | | 283 | 7.0 | 6.9 | -1.6 | 3742 |
| 675 | | 9 | 2.0 | -.3 | -2.0 | | 33 | 1.8 | -1.0 | -1.5 | | 281 | 2.8 | 2.7 | -.5 | | 309 | 3.1 | 2.5 | -2.0 | 3431 |
| 700 | | 47 | 1.1 | -.8 | -.8 | | 49 | 1.8 | -1.4 | -1.2 | | 77 | 2.4 | -2.3 | -.5 | | 106 | 2.8 | -2.7 | .8 | 3130 |
| 725 | | 106 | 5.2 | -5.0 | 1.4 | | 90 | 6.9 | -6.9 | -.0 | | 106 | 7.9 | -7.6 | 2.1 | | 120 | 7.5 | -6.5 | 3.7 | 2837 |
| 750 | | 104 | 10.1 | -9.8 | 2.5 | | 87 | 10.6 | -10.6 | -.5 | | 112 | 12.0 | -11.2 | 4.5 | | 120 | 11.2 | -9.6 | 5.7 | 2553 |
| 775 | | 101 | 10.5 | -10.3 | 2.1 | | 85 | 11.5 | -11.4 | -1.0 | | 106 | 12.1 | -11.6 | 3.3 | | 120 | 12.8 | -11.1 | 6.5 | 2276 |
| 800 | | 92 | 8.4 | -8.4 | .3 | | 87 | 12.4 | -12.4 | -.7 | | 98 | 11.0 | -10.9 | 1.5 | | 118 | 10.5 | -9.3 | 4.9 | 2007 |
| 825 | | 75 | 8.9 | -8.6 | -2.4 | | 86 | 12.5 | -12.5 | -.9 | | 102 | 11.4 | -11.2 | 2.5 | | 114 | 8.9 | -8.1 | 3.6 | 1745 |
| 850 | | 74 | 11.0 | -10.5 | -3.0 | | 82 | 10.9 | -10.8 | -1.6 | | 110 | 12.1 | -11.4 | 4.2 | | 115 | 8.2 | -7.4 | 3.5 | 1490 |
| 875 | | 87 | 11.2 | -11.2 | -.5 | | 83 | 10.4 | -10.3 | -1.3 | | 112 | 11.8 | -11.0 | 4.4 | | 114 | 6.9 | -6.3 | 2.8 | 1242 |
| 900 | | 100 | 10.2 | -10.1 | 1.8 | | 91 | 10.7 | -10.7 | .1 | | 113 | 10.6 | -9.8 | 4.2 | | 106 | 5.9 | -5.6 | 1.7 | 999 |
| 925 | | 107 | 9.0 | -8.6 | 2.7 | | 100 | 10.4 | -10.3 | 1.8 | | 121 | 9.1 | -7.8 | 4.7 | | 103 | 5.5 | -5.3 | 1.2 | 762 |
| 950 | | 115 | 7.8 | -7.1 | 3.3 | | 110 | 9.2 | -8.6 | 3.1 | | 129 | 8.0 | -6.3 | 5.0 | | 107 | 5.5 | -5.2 | 1.6 | 529 |
| 975 | | 125 | 6.9 | -5.6 | 3.9 | | 120 | 7.3 | -6.3 | 3.6 | | 128 | 7.3 | -5.8 | 4.6 | | 114 | 5.6 | -5.2 | 2.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/10 614 GMT | | | | 4/10 1135 GMT | | | | 4/10 1745 GMT | | | | 4/10 1956 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 19.3 | 19.0 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 273 | 19.9 | 19.9 | -1.2 | | 277 | 24.1 | 23.9 | -2.9 | | 281 | 21.0 | 20.6 | -4.0 | | 273 | 23.3 | 23.3 | -1.2 | 18589 |
| 80 | | 276 | 23.5 | 23.3 | -2.6 | | 267 | 21.5 | 21.5 | 1.0 | | 267 | 24.3 | 24.3 | 1.4 | | 267 | 24.2 | 24.2 | 1.1 | 17801 |
| 90 | | 272 | 17.5 | 17.5 | -.5 | | 282 | 8.9 | 8.7 | -1.8 | | 267 | 10.5 | 10.5 | .6 | | 274 | 10.1 | 10.1 | -.7 | 17121 |
| 100 | | 311 | 10.5 | 8.0 | -6.8 | | 342 | 6.8 | 2.1 | -6.5 | | 299 | 5.3 | 4.7 | -2.6 | | 342 | 6.6 | 2.0 | -6.2 | 16521 |
| 110 | | 338 | 22.4 | 8.4 | -20.8 | | 343 | 19.7 | 5.8 | -18.9 | | 347 | 16.4 | 3.6 | -16.0 | | 339 | 21.4 | 7.7 | -20.0 | 15978 |
| 120 | | 322 | 23.3 | 14.2 | -18.5 | | 329 | 27.3 | 14.0 | -23.4 | | 334 | 25.4 | 11.0 | -22.9 | | 333 | 26.0 | 11.9 | -23.1 | 15479 |
| 130 | | 292 | 21.5 | 19.9 | -8.1 | | 312 | 22.2 | 16.6 | -14.8 | | 323 | 21.6 | 13.1 | -17.2 | | 318 | 21.6 | 14.4 | -16.2 | 15014 |
| 140 | | 278 | 21.4 | 21.2 | -3.1 | | 290 | 18.1 | 17.1 | -6.2 | | 304 | 15.9 | 13.2 | -9.0 | | 294 | 15.8 | 14.4 | -6.3 | 14578 |
| 150 | | 271 | 14.9 | 14.9 | -.3 | | 274 | 15.8 | 15.7 | -1.0 | | 278 | 14.2 | 14.1 | -1.9 | | 262 | 10.4 | 10.3 | 1.4 | 14167 |
| 160 | | 244 | 14.5 | 13.1 | 6.3 | | 268 | 14.4 | 14.4 | .6 | | 268 | 12.8 | 12.8 | .4 | | 244 | 9.1 | 8.2 | 3.9 | 13776 |
| 170 | | 236 | 15.7 | 13.0 | 8.8 | | 262 | 14.1 | 14.0 | 1.9 | | 257 | 9.2 | 9.0 | 2.1 | | 250 | 9.6 | 9.0 | 3.4 | 13404 |
| 180 | | 228 | 13.6 | 10.1 | 9.1 | | 249 | 13.5 | 12.6 | 4.8 | | 246 | 7.3 | 6.7 | 3.0 | | 262 | 8.2 | 8.2 | 1.2 | 13049 |
| 190 | | 213 | 17.3 | 9.5 | 14.4 | | 226 | 14.0 | 10.0 | 9.8 | | 240 | 6.4 | 5.6 | 3.2 | | 265 | 7.4 | 7.3 | .7 | 12709 |
| 200 | | 208 | 18.4 | 8.7 | 16.2 | | 209 | 16.4 | 7.8 | 14.4 | | 223 | 9.1 | 6.1 | 6.7 | | 255 | 7.5 | 7.3 | 2.0 | 12383 |
| 225 | | 206 | 12.9 | 5.6 | 11.6 | | 206 | 12.6 | 5.6 | 11.3 | | 221 | 11.0 | 7.2 | 8.3 | | 223 | 8.8 | 6.0 | 6.5 | 11617 |
| 250 | | 225 | 11.0 | 7.8 | 7.8 | | 226 | 12.4 | 8.9 | 8.6 | | 218 | 10.8 | 6.7 | 8.5 | | 206 | 11.6 | 5.1 | 10.4 | 10914 |
| 275 | | 230 | 12.4 | 9.5 | 7.9 | | 251 | 9.9 | 9.4 | 3.3 | | 233 | 8.6 | 6.9 | 5.1 | | 224 | 6.5 | 4.5 | 4.7 | 10262 |
| 300 | 2 | 236 | 13.0 | 10.8 | 7.2 | | 255 | 11.5 | 11.1 | 3.0 | | 243 | 8.5 | 7.5 | 3.9 | | 221 | 8.9 | 5.8 | 6.7 | 9654 |
| 325 | | 236 | 11.7 | 9.8 | 6.5 | | 238 | 10.7 | 9.0 | 5.7 | | 245 | 9.3 | 8.4 | 3.9 | | 242 | 8.8 | 7.8 | 4.1 | 9084 |
| 350 | | 281 | 9.6 | 9.5 | -1.8 | | 278 | 11.3 | 11.2 | -1.5 | | 242 | 10.8 | 9.5 | 5.1 | | 237 | 9.6 | 8.1 | 5.2 | 8546 |
| 375 | | 302 | 10.2 | 8.7 | -5.3 | | 304 | 9.3 | 7.7 | -5.2 | | 270 | 8.9 | 8.9 | .0 | | 272 | 10.5 | 10.5 | -.3 | 8039 |
| 400 | | 310 | 10.6 | 8.2 | -6.8 | | 282 | 7.9 | 7.7 | -1.6 | | 294 | 9.5 | 8.7 | -3.8 | | 305 | 10.6 | 8.7 | -6.1 | 7557 |
| 425 | | 304 | 8.9 | 7.4 | -4.9 | | 288 | 5.1 | 4.8 | -1.6 | | 301 | 8.4 | 7.2 | -4.3 | | 293 | 9.7 | 9.0 | -3.8 | 7099 |
| 450 | | 284 | 8.6 | 8.3 | -2.1 | | 329 | 4.4 | 2.2 | -3.8 | | 304 | 7.6 | 6.3 | -4.2 | | 275 | 8.0 | 7.9 | -.7 | 6662 |
| 475 | | 286 | 9.7 | 9.3 | -2.7 | | 315 | 4.6 | 3.3 | -3.3 | | 287 | 7.1 | 6.8 | -2.1 | | 282 | 6.0 | 5.9 | -1.2 | 6244 |
| 500 | | 288 | 9.5 | 9.0 | -2.9 | | 276 | 7.8 | 7.8 | -.8 | | 274 | 11.0 | 10.9 | -.7 | | 271 | 8.8 | 8.8 | -.1 | 5844 |
| 525 | | 276 | 10.3 | 10.3 | -1.0 | | 265 | 9.6 | 9.5 | .9 | | 272 | 12.7 | 12.7 | -.5 | | 267 | 11.5 | 11.5 | .6 | 5460 |
| 550 | | 257 | 12.1 | 11.8 | 2.7 | | 267 | 9.7 | 9.7 | .5 | | 272 | 12.2 | 12.1 | -.5 | | 280 | 11.1 | 11.0 | -1.9 | 5091 |
| 575 | | 244 | 13.1 | 11.7 | 5.7 | | 251 | 10.6 | 10.0 | 3.5 | | 267 | 9.8 | 9.8 | .5 | | 276 | 12.6 | 12.5 | -1.4 | 4736 |
| 600 | | 243 | 9.4 | 8.4 | 4.2 | | 244 | 9.5 | 8.5 | 4.3 | | 260 | 9.8 | 9.7 | 1.6 | | 260 | 10.9 | 10.7 | 1.9 | 4393 |
| 625 | | 251 | 9.7 | 9.2 | 3.2 | | 249 | 10.4 | 9.7 | 3.8 | | 255 | 9.8 | 9.4 | 2.5 | | 261 | 10.3 | 10.1 | 1.7 | 4062 |
| 650 | | 263 | 10.4 | 10.3 | 1.2 | | 260 | 10.6 | 10.5 | 1.9 | | 251 | 9.9 | 9.4 | 3.2 | | 254 | 9.5 | 9.2 | 2.7 | 3742 |
| 675 | | 285 | 7.7 | 7.5 | -2.0 | | 279 | 9.7 | 9.6 | -1.6 | | 270 | 11.3 | 11.3 | .0 | | 266 | 9.5 | 9.5 | .6 | 3431 |
| 700 | | 325 | 3.8 | 2.2 | -3.1 | | 302 | 7.1 | 6.1 | -3.8 | | 287 | 8.5 | 8.1 | -2.5 | | 285 | 7.1 | 6.9 | -1.8 | 3130 |
| 725 | | 43 | 2.1 | -1.5 | -1.6 | | 321 | 2.8 | 1.8 | -2.2 | | 296 | 3.8 | 3.5 | -1.7 | | 304 | 2.4 | 2.0 | -1.3 | 2837 |
| 750 | | 118 | 4.0 | -3.5 | 1.8 | | 151 | 2.8 | -1.4 | 2.4 | | 177 | 1.2 | -.1 | 1.2 | | 155 | .9 | -.4 | .9 | 2553 |
| 775 | | 113 | 7.9 | -7.3 | 3.1 | | 131 | 6.9 | -5.2 | 4.5 | | 126 | 6.0 | -4.9 | 3.5 | | 121 | 4.3 | -3.7 | 2.2 | 2276 |
| 800 | | 112 | 10.2 | -9.4 | 3.9 | | 122 | 8.1 | -6.9 | 4.3 | | 115 | 9.3 | -8.4 | 4.0 | | 118 | 9.5 | -8.4 | 4.4 | 2007 |
| 825 | | 127 | 8.6 | -6.9 | 5.2 | | 128 | 7.8 | -6.2 | 4.8 | | 116 | 11.1 | -10.0 | 4.9 | | 121 | 12.5 | -10.7 | 6.4 | 1745 |
| 850 | | 126 | 7.6 | -6.1 | 4.4 | | 132 | 8.0 | -6.0 | 5.4 | | 117 | 11.1 | -9.9 | 5.0 | | 121 | 11.6 | -10.0 | 6.0 | 1490 |
| 875 | | 112 | 9.1 | -8.4 | 3.3 | | 119 | 7.5 | -6.5 | 3.7 | | 115 | 7.9 | -7.1 | 3.4 | | 116 | 9.0 | -8.1 | 3.9 | 1242 |
| 900 | | 107 | 8.9 | -8.5 | 2.6 | | 108 | 6.1 | -5.8 | 1.9 | | 124 | 5.4 | -4.5 | 3.1 | | 113 | 7.6 | -7.0 | 2.9 | 999 |
| 925 | | 114 | 6.5 | -5.9 | 2.6 | | 128 | 4.5 | -3.6 | 2.7 | | 131 | 5.1 | -3.9 | 3.4 | | 122 | 6.4 | -5.5 | 3.4 | 762 |
| 950 | | 134 | 4.7 | -3.4 | 3.2 | | 162 | 4.7 | -1.5 | 4.5 | | 131 | 4.9 | -3.7 | 3.2 | | 138 | 5.0 | -3.4 | 3.7 | 529 |
| 975 | | 150 | 4.1 | -2.1 | 3.5 | | 173 | 5.2 | -.6 | 5.1 | | 148 | 4.4 | -2.4 | 3.8 | | 139 | 4.4 | -2.9 | 3.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/10 23 5 GMT | | | | 4/11 2 7 GMT | | | | 4/11 512 GMT | | | | 4/11 1137 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 272 | 9.9 | 9.9 | -.4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 284 | 18.8 | 18.3 | -4.4 | 19517 |
| 70 | 269 | 19.9 | 19.8 | .4 | 263 | 19.9 | 19.7 | 2.3 | 261 | 18.1 | 17.8 | 3.0 | 264 | 22.5 | 22.4 | 2.2 | 18589 |
| 80 | 269 | 21.5 | 21.5 | .3 | 265 | 25.3 | 25.2 | 2.0 | 269 | 23.8 | 23.8 | .2 | 272 | 24.9 | 24.9 | -1.0 | 17801 |
| 90 | 285 | 8.6 | 8.3 | -2.3 | 265 | 15.5 | 15.4 | 1.3 | 250 | 17.2 | 16.1 | 5.9 | 264 | 21.3 | 21.1 | 2.4 | 17121 |
| 100 | 329 | 10.8 | 5.6 | -9.3 | 335 | 9.2 | 3.9 | -8.3 | 297 | 7.1 | 6.3 | -3.2 | 333 | 5.4 | 2.4 | -4.8 | 16521 |
| 110 | 336 | 23.7 | 9.6 | -21.7 | 341 | 25.6 | 8.2 | -24.3 | 2 351 | 14.2 | 2.2 | -14.1 | 350 | 17.2 | 3.1 | -16.9 | 15978 |
| 120 | 334 | 26.9 | 11.8 | -24.2 | 331 | 26.8 | 13.1 | -23.4 | 340 | 22.6 | 7.6 | -21.3 | 344 | 24.6 | 7.0 | -23.6 | 15479 |
| 130 | 324 | 23.0 | 13.4 | -18.7 | 325 | 22.1 | 12.7 | -18.1 | 327 | 28.5 | 15.6 | -23.9 | 336 | 27.0 | 11.0 | -24.7 | 15014 |
| 140 | 301 | 17.4 | 14.9 | -9.1 | 319 | 15.5 | 10.2 | -11.6 | 327 | 22.2 | 12.2 | -18.5 | 330 | 25.2 | 12.5 | -21.9 | 14578 |
| 150 | 272 | 13.3 | 13.3 | -.4 | 300 | 7.3 | 6.3 | -3.7 | 329 | 14.0 | 7.2 | -12.0 | 334 | 21.4 | 9.3 | -19.3 | 14167 |
| 160 | 257 | 11.8 | 11.5 | 2.6 | 266 | 3.9 | 3.8 | .3 | 307 | 8.7 | 7.0 | -5.3 | 341 | 16.1 | 5.3 | -15.2 | 13776 |
| 170 | 249 | 11.2 | 10.5 | 4.0 | 273 | 5.9 | 5.9 | -.3 | 273 | 7.3 | 7.3 | -.4 | 345 | 10.7 | 2.7 | -10.3 | 13404 |
| 180 | 247 | 11.3 | 10.4 | 4.4 | 276 | 5.8 | 5.8 | -.6 | 261 | 6.8 | 6.7 | 1.1 | 337 | 8.4 | 3.3 | -7.8 | 13049 |
| 190 | 255 | 12.4 | 12.0 | 3.2 | 269 | 5.5 | 5.5 | .1 | 252 | 5.3 | 5.1 | 1.7 | 356 | 6.3 | .4 | -6.3 | 12709 |
| 200 | 261 | 12.3 | 12.2 | 2.0 | 263 | 8.6 | 8.5 | 1.0 | 241 | 4.3 | 3.7 | 2.1 | 7 | 2.5 | -.3 | -2.4 | 12383 |
| 225 | 249 | 9.4 | 8.8 | 3.3 | 242 | 11.0 | 9.7 | 5.2 | 244 | 7.0 | 6.3 | 3.1 | 294 | 3.5 | 3.2 | -1.5 | 11617 |
| 250 | 224 | 10.9 | 7.6 | 7.9 | 236 | 10.6 | 8.7 | 5.9 | 227 | 8.1 | 5.9 | 5.6 | 196 | 5.7 | 1.6 | 5.5 | 10914 |
| 275 | 233 | 8.0 | 6.4 | 4.9 | 233 | 8.4 | 6.7 | 5.0 | 226 | 8.2 | 5.9 | 5.7 | 236 | 4.4 | 3.6 | 2.5 | 10262 |
| 300 | 242 | 8.7 | 7.7 | 4.2 | 240 | 8.9 | 7.7 | 4.4 | 240 | 8.8 | 7.7 | 4.4 | 254 | 8.1 | 7.8 | 2.3 | 9654 |
| 325 | 246 | 9.5 | 8.6 | 3.9 | 263 | 8.4 | 8.4 | 1.0 | 243 | 8.4 | 7.5 | 3.8 | 202 | 2.5 | .9 | 2.3 | 9084 |
| 350 | 246 | 10.7 | 9.8 | 4.3 | 253 | 10.7 | 10.2 | 3.1 | 258 | 9.1 | 8.9 | 1.9 | 255 | 11.6 | 11.3 | 3.0 | 8546 |
| 375 | 281 | 9.4 | 9.2 | -1.8 | 288 | 10.4 | 9.9 | -3.2 | 277 | 9.8 | 9.7 | -1.1 | 282 | 7.1 | 7.0 | -1.4 | 8039 |
| 400 | 297 | 8.3 | 7.4 | -3.7 | 289 | 9.4 | 8.9 | -3.1 | 287 | 8.7 | 8.3 | -2.6 | 319 | 11.6 | 7.7 | -8.7 | 7557 |
| 425 | 291 | 9.3 | 8.7 | -3.4 | 307 | 8.9 | 7.0 | -5.4 | 314 | 9.4 | 6.8 | -6.5 | 308 | 8.1 | 6.4 | -5.0 | 7099 |
| 450 | 267 | 8.9 | 8.9 | .5 | 311 | 9.0 | 6.8 | -5.9 | 310 | 8.3 | 6.4 | -5.3 | 319 | 7.3 | 4.8 | -5.5 | 6662 |
| 475 | 265 | 6.6 | 6.6 | .6 | 277 | 8.6 | 8.5 | -1.1 | 293 | 8.1 | 7.5 | -3.1 | 326 | 6.5 | 3.7 | -5.4 | 6244 |
| 500 | 287 | 7.7 | 7.3 | -2.2 | 273 | 7.3 | 7.3 | -.4 | 280 | 8.1 | 8.0 | -1.4 | 279 | 6.7 | 6.7 | -1.1 | 5844 |
| 525 | 265 | 9.0 | 8.9 | .7 | 264 | 9.8 | 9.7 | 1.0 | 270 | 10.9 | 10.9 | .0 | 270 | 7.2 | 7.2 | .0 | 5460 |
| 550 | 270 | 10.9 | 10.9 | -.1 | 260 | 10.9 | 10.8 | 1.9 | 265 | 12.0 | 11.9 | 1.0 | 264 | 11.3 | 11.3 | 1.2 | 5091 |
| 575 | 274 | 11.9 | 11.9 | -.9 | 263 | 11.0 | 11.0 | 1.3 | 268 | 12.0 | 12.0 | .4 | 262 | 15.3 | 15.1 | 2.2 | 4736 |
| 600 | 263 | 10.2 | 10.2 | 1.3 | 258 | 11.7 | 11.4 | 2.4 | 264 | 12.3 | 12.3 | 1.3 | 255 | 11.5 | 11.2 | 2.9 | 4393 |
| 625 | 258 | 9.8 | 9.6 | 2.0 | 257 | 11.2 | 10.8 | 2.6 | 255 | 11.0 | 10.7 | 2.8 | 252 | 10.7 | 10.2 | 3.4 | 4062 |
| 650 | 257 | 10.4 | 10.1 | 2.3 | 253 | 10.4 | 9.9 | 3.1 | 248 | 9.7 | 9.0 | 3.6 | 254 | 9.8 | 9.4 | 2.7 | 3742 |
| 675 | 265 | 10.8 | 10.8 | 1.0 | 259 | 11.4 | 11.2 | 2.1 | 261 | 9.0 | 8.8 | 1.4 | 266 | 10.5 | 10.4 | .8 | 3431 |
| 700 | 277 | 9.8 | 9.7 | -1.2 | 277 | 10.0 | 10.0 | -1.2 | 274 | 9.1 | 9.1 | -.6 | 275 | 10.0 | 10.0 | -.9 | 3130 |
| 725 | 287 | 6.1 | 5.8 | -1.7 | 300 | 6.3 | 5.5 | -3.2 | 285 | 5.8 | 5.5 | -1.5 | 282 | 6.7 | 6.6 | -1.4 | 2837 |
| 750 | 232 | 1.5 | 1.2 | 1.0 | 286 | 1.6 | 1.5 | -.4 | 285 | 1.4 | 1.4 | -.4 | 240 | 2.0 | 1.7 | 1.0 | 2553 |
| 775 | 151 | 4.5 | -2.2 | 4.0 | 143 | 3.3 | -2.0 | 2.7 | 149 | 3.0 | -1.6 | 2.6 | 3 150 | 4.0 | -2.0 | 3.5 | 2276 |
| 800 | 138 | 7.6 | -5.0 | 5.6 | 127 | 6.6 | -5.3 | 4.0 | 132 | 6.8 | -5.0 | 4.6 | 2 129 | 8.1 | -6.3 | 5.2 | 2007 |
| 825 | 131 | 8.9 | -6.8 | 5.8 | 119 | 9.9 | -8.7 | 4.8 | 118 | 9.3 | -8.2 | 4.4 | 123 | 12.7 | -10.7 | 6.9 | 1745 |
| 850 | 121 | 10.3 | -8.9 | 5.2 | 109 | 10.4 | -9.8 | 3.5 | 105 | 9.5 | -9.2 | 2.4 | 122 | 14.0 | -11.9 | 7.3 | 1490 |
| 875 | 113 | 10.3 | -9.4 | 4.1 | 101 | 9.5 | -9.4 | 1.8 | 104 | 9.2 | -9.0 | 2.2 | 123 | 12.7 | -10.6 | 7.0 | 1242 |
| 900 | 108 | 7.5 | -7.2 | 2.4 | 104 | 9.0 | -8.7 | 2.2 | 115 | 9.0 | -8.2 | 3.8 | 125 | 11.5 | -9.5 | 6.6 | 999 |
| 925 | 106 | 6.2 | -6.0 | 1.7 | 113 | 8.0 | -7.4 | 3.1 | 121 | 7.1 | -6.1 | 3.7 | 122 | 9.9 | -8.4 | 5.2 | 762 |
| 950 | 110 | 6.3 | -5.9 | 2.2 | 117 | 6.6 | -5.9 | 3.0 | 115 | 4.6 | -4.1 | 1.9 | 116 | 7.0 | -6.3 | 3.0 | 529 |
| 975 | 116 | 5.2 | -4.7 | 2.3 | 122 | 6.4 | -5.4 | 3.4 | 111 | 4.4 | -4.1 | 1.6 | 104 | 5.2 | -5.1 | 1.3 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| P | 4/11 1738 GMT I | DD | FF | U | V | 4/11 2010 GMT I | DD | FF | U | V | 4/11 2238 GMT I | DD | FF | U | V | 4/12 150 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 13.9 | 13.0 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 276 | 20.9 | 20.8 | -2.2 | | 272 | 12.6 | 12.5 | -.5 | | 261 | 15.9 | 15.7 | 2.4 | | 252 | 19.9 | 18.9 | 6.2 | 18589 |
| 80 | | 274 | 20.1 | 20.1 | -1.3 | | 283 | 17.5 | 17.0 | -4.1 | | 281 | 16.4 | 16.0 | -3.2 | | 285 | 16.1 | 15.6 | -4.1 | 17801 |
| 90 | | 256 | 24.1 | 23.4 | 5.7 | | 264 | 21.6 | 21.4 | 2.3 | | 272 | 20.5 | 20.5 | -.6 | | 277 | 20.8 | 20.7 | -2.4 | 17121 |
| 100 | | 241 | 9.3 | 8.1 | 4.5 | | 255 | 18.7 | 18.1 | 5.0 | | 249 | 12.8 | 11.9 | 4.6 | | 251 | 17.1 | 16.2 | 5.5 | 16521 |
| 110 | | 345 | 12.9 | 3.4 | -12.4 | | 244 | 1.3 | 1.2 | .6 | | 5 | 3.1 | -.2 | -3.1 | | 231 | 2.2 | 1.7 | 1.4 | 15978 |
| 120 | | 341 | 20.7 | 6.9 | -19.5 | | 351 | 18.0 | 2.9 | -17.8 | | 341 | 15.5 | 5.0 | -14.7 | | 352 | 14.2 | 2.0 | -14.1 | 15479 |
| 130 | | 334 | 21.6 | 9.6 | -19.3 | | 336 | 18.9 | 7.6 | -17.3 | | 343 | 18.0 | 5.4 | -17.2 | | 339 | 20.5 | 7.3 | -19.2 | 15014 |
| 140 | | 333 | 17.4 | 7.9 | -15.5 | | 334 | 16.3 | 7.2 | -14.6 | | 336 | 16.7 | 6.8 | -15.2 | | 340 | 20.1 | 6.8 | -18.9 | 14578 |
| 150 | | 321 | 15.8 | 10.0 | -12.2 | | 334 | 16.5 | 7.3 | -14.8 | | 332 | 17.6 | 8.4 | -15.5 | | 342 | 18.0 | 5.7 | -17.0 | 14167 |
| 160 | | 322 | 14.5 | 9.0 | -11.4 | | 331 | 16.3 | 8.0 | -14.3 | | 324 | 13.5 | 7.9 | -11.0 | | 336 | 15.4 | 6.2 | -14.1 | 13776 |
| 170 | | 320 | 12.5 | 8.0 | -9.6 | | 323 | 16.3 | 9.8 | -13.0 | | 312 | 8.5 | 6.3 | -5.7 | | 329 | 11.6 | 6.0 | -9.9 | 13404 |
| 180 | | 305 | 8.5 | 7.0 | -4.9 | | 307 | 12.4 | 9.9 | -7.4 | | 293 | 5.5 | 5.1 | -2.1 | | 326 | 6.6 | 3.7 | -5.5 | 13049 |
| 190 | | 267 | 5.1 | 5.1 | .3 | | 275 | 7.7 | 7.6 | -.7 | | 233 | 4.6 | 3.6 | 2.8 | | 205 | 1.5 | .6 | 1.4 | 12709 |
| 200 | | 235 | 4.9 | 4.0 | 2.9 | | 232 | 5.5 | 4.4 | 3.4 | | 194 | 6.8 | 1.7 | 6.6 | | 176 | 7.4 | -.5 | 7.4 | 12383 |
| 225 | | 201 | 3.3 | 1.2 | 3.1 | | 161 | 3.3 | -1.1 | 3.2 | | 149 | 6.4 | -3.3 | 5.5 | | 171 | 13.5 | -2.1 | 13.4 | 11617 |
| 250 | | 237 | 4.1 | 3.4 | 2.2 | | 235 | 4.1 | 3.4 | 2.3 | | 232 | 5.5 | 4.3 | 3.4 | | 188 | 6.3 | .9 | 6.3 | 10914 |
| 275 | | 268 | 7.3 | 7.3 | .3 | | 271 | 7.3 | 7.3 | -.2 | | 266 | 8.0 | 8.0 | .5 | | 247 | 7.0 | 6.5 | 2.7 | 10262 |
| 300 | 3 | 261 | 9.6 | 9.5 | 1.6 | | 255 | 8.7 | 8.4 | 2.2 | | 253 | 10.2 | 9.7 | 3.1 | | 259 | 10.3 | 10.2 | 1.9 | 9654 |
| 325 | 3 | 255 | 9.5 | 9.2 | 2.4 | | 252 | 9.4 | 8.9 | 2.9 | | 256 | 10.2 | 9.9 | 2.4 | | 255 | 12.2 | 11.8 | 3.1 | 9084 |
| 350 | | 242 | 9.9 | 8.7 | 4.6 | | 243 | 10.4 | 9.2 | 4.8 | | 256 | 10.4 | 10.2 | 2.4 | | 256 | 11.3 | 10.9 | 2.8 | 8546 |
| 375 | | 276 | 7.8 | 7.8 | -.8 | | 269 | 8.8 | 8.8 | .2 | | 270 | 9.9 | 9.9 | -.0 | | 268 | 8.3 | 8.3 | .3 | 8039 |
| 400 | 3 | 324 | 9.6 | 5.7 | -7.8 | | 301 | 8.3 | 7.1 | -4.3 | | 299 | 9.2 | 8.0 | -4.5 | | 295 | 6.4 | 5.8 | -2.7 | 7557 |
| 425 | 1 | 322 | 10.1 | 6.2 | -7.9 | | 313 | 7.9 | 5.8 | -5.5 | | 307 | 7.3 | 5.8 | -4.4 | | 313 | 6.3 | 4.6 | -4.3 | 7099 |
| 450 | | 305 | 5.3 | 4.4 | -3.1 | | 301 | 5.3 | 4.5 | -2.7 | | 302 | 5.4 | 4.6 | -2.8 | | 290 | 5.6 | 5.3 | -1.9 | 6662 |
| 475 | | 252 | 3.6 | 3.4 | 1.1 | | 264 | 3.2 | 3.2 | .3 | | 252 | 4.5 | 4.3 | 1.4 | | 260 | 5.7 | 5.7 | 1.0 | 6244 |
| 500 | | 249 | 6.9 | 6.5 | 2.4 | | 244 | 5.7 | 5.1 | 2.5 | | 243 | 6.4 | 5.7 | 3.0 | | 250 | 6.7 | 6.3 | 2.3 | 5844 |
| 525 | | 256 | 8.5 | 8.3 | 2.0 | | 245 | 8.4 | 7.6 | 3.5 | | 257 | 9.0 | 8.7 | 2.0 | | 263 | 9.4 | 9.3 | 1.2 | 5460 |
| 550 | | 255 | 10.3 | 10.0 | 2.6 | | 251 | 8.1 | 7.6 | 2.6 | | 260 | 9.6 | 9.4 | 1.7 | | 260 | 10.0 | 9.8 | 1.8 | 5091 |
| 575 | | 255 | 12.2 | 11.7 | 3.2 | | 256 | 9.0 | 8.7 | 2.2 | | 263 | 8.7 | 8.6 | 1.0 | | 258 | 8.9 | 8.7 | 1.9 | 4736 |
| 600 | | 249 | 10.6 | 9.9 | 3.8 | | 250 | 8.2 | 7.7 | 2.8 | | 260 | 6.2 | 6.1 | 1.1 | | 273 | 6.8 | 6.8 | -.3 | 4393 |
| 625 | | 243 | 7.6 | 6.8 | 3.4 | | 237 | 6.3 | 5.3 | 3.4 | | 257 | 3.8 | 3.7 | .9 | | 272 | 5.5 | 5.5 | -.2 | 4062 |
| 650 | | 247 | 6.9 | 6.3 | 2.6 | | 231 | 5.6 | 4.4 | 3.5 | | 257 | 5.2 | 5.0 | 1.2 | | 269 | 5.8 | 5.8 | .1 | 3742 |
| 675 | | 278 | 7.4 | 7.4 | -1.0 | | 261 | 5.6 | 5.5 | .9 | | 273 | 6.2 | 6.2 | -.3 | | 281 | 5.8 | 5.7 | -1.1 | 3431 |
| 700 | | 289 | 9.1 | 8.7 | -2.9 | | 286 | 7.9 | 7.6 | -2.2 | | 285 | 7.3 | 7.1 | -1.9 | | 284 | 5.8 | 5.6 | -1.4 | 3130 |
| 725 | | 287 | 7.7 | 7.3 | -2.2 | | 284 | 8.0 | 7.8 | -1.9 | | 278 | 7.1 | 7.0 | -1.0 | | 264 | 7.0 | 7.0 | .7 | 2837 |
| 750 | | 304 | 3.4 | 2.9 | -1.9 | | 283 | 4.4 | 4.2 | -1.0 | | 274 | 3.8 | 3.8 | -.3 | | 250 | 3.4 | 3.2 | 1.2 | 2553 |
| 775 | | 149 | .7 | -.4 | .6 | | 169 | .5 | -.1 | .5 | | 152 | 1.5 | -.7 | 1.3 | | 157 | 3.7 | -1.4 | 3.4 | 2276 |
| 800 | | 157 | 4.4 | -1.8 | 4.1 | | 144 | 4.5 | -2.6 | 3.6 | | 167 | 3.7 | -.8 | 3.6 | | 148 | 7.5 | -3.9 | 6.4 | 2007 |
| 825 | | 131 | 8.9 | -6.7 | 5.9 | | 136 | 8.7 | -6.0 | 6.2 | | 147 | 8.0 | -4.4 | 6.7 | | 131 | 9.3 | -7.0 | 6.2 | 1745 |
| 850 | | 119 | 14.1 | -12.4 | 6.9 | | 125 | 11.9 | -9.8 | 6.8 | | 123 | 14.3 | -11.9 | 7.8 | | 125 | 10.2 | -8.3 | 5.8 | 1490 |
| 875 | | 120 | 13.8 | -12.0 | 6.8 | | 120 | 11.7 | -10.2 | 5.8 | | 122 | 14.4 | -12.2 | 7.6 | | 132 | 9.8 | -7.3 | 6.6 | 1242 |
| 900 | | 121 | 10.6 | -9.1 | 5.4 | | 120 | 9.3 | -8.0 | 4.6 | | 140 | 10.7 | -6.9 | 8.2 | | 136 | 8.9 | -6.2 | 6.4 | 999 |
| 925 | | 116 | 8.1 | -7.3 | 3.5 | | 120 | 7.3 | -6.3 | 3.7 | | 135 | 8.5 | -6.0 | 6.1 | | 131 | 7.3 | -5.5 | 4.8 | 762 |
| 950 | | 112 | 6.1 | -5.7 | 2.3 | | 115 | 5.8 | -5.3 | 2.5 | | 114 | 7.3 | -6.7 | 3.0 | | 129 | 5.0 | -3.8 | 3.1 | 529 |
| 975 | | 117 | 5.2 | -4.6 | 2.4 | | 105 | 4.5 | -4.3 | 1.1 | | 113 | 6.1 | -5.6 | 2.4 | | 118 | 3.4 | -3.0 | 1.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/12 5 4 GMT | | | | 4/13 0 8 GMT | | | | 4/13 6 0 GMT | | | | 4/13 1240 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 11.2 | 11.2 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 10.0 | 10.0 | -.2 | 19517 |
| 70 | | 258 | 14.9 | 14.6 | 3.1 | | 255 | 17.4 | 16.8 | 4.6 | | 270 | 18.0 | 18.0 | -.1 | | 266 | 15.2 | 15.2 | 1.1 | 18589 |
| 80 | | 272 | 16.4 | 16.4 | -.6 | | 269 | 18.2 | 18.2 | .3 | | 264 | 18.6 | 18.5 | 1.8 | | 266 | 20.0 | 20.0 | 1.4 | 17801 |
| 90 | | 276 | 18.9 | 18.8 | -2.0 | | 275 | 11.6 | 11.6 | -1.0 | | 265 | 15.5 | 15.5 | 1.3 | | 277 | 17.3 | 17.1 | -2.1 | 17121 |
| 100 | | 257 | 20.3 | 19.8 | 4.7 | | 257 | 18.1 | 17.6 | 4.2 | | 264 | 17.1 | 17.0 | 1.8 | | 263 | 13.1 | 13.0 | 1.6 | 16521 |
| 110 | | 227 | 9.9 | 7.2 | 6.8 | | 241 | 11.2 | 9.8 | 5.5 | | 237 | 14.6 | 12.2 | 8.1 | | 227 | 15.2 | 11.1 | 10.3 | 15978 |
| 120 | | 352 | 8.4 | 1.1 | -8.3 | | 300 | 8.4 | 7.3 | -4.1 | | 266 | 6.6 | 6.6 | .4 | | 240 | 11.4 | 9.9 | 5.7 | 15479 |
| 130 | | 337 | 19.6 | 7.7 | -18.0 | | 324 | 15.4 | 9.0 | -12.5 | | 331 | 14.1 | 6.8 | -12.4 | | 306 | 9.5 | 7.7 | -5.6 | 15014 |
| 140 | | 328 | 20.9 | 11.0 | -17.7 | | 328 | 18.9 | 10.1 | -16.0 | | 321 | 14.2 | 8.9 | -11.1 | | 337 | 15.6 | 6.0 | -14.4 | 14578 |
| 150 | | 321 | 18.5 | 11.7 | -14.4 | | 320 | 18.6 | 12.0 | -14.2 | | 315 | 15.2 | 10.8 | -10.6 | | 336 | 18.0 | 7.4 | -16.4 | 14167 |
| 160 | | 314 | 16.6 | 11.9 | -11.6 | | 319 | 18.0 | 11.8 | -13.7 | | 308 | 16.6 | 13.1 | -10.2 | | 317 | 18.6 | 12.7 | -13.6 | 13776 |
| 170 | | 319 | 14.8 | 9.7 | -11.1 | | 318 | 17.8 | 12.0 | -13.2 | | 307 | 17.2 | 13.7 | -10.5 | | 312 | 18.5 | 13.7 | -12.4 | 13404 |
| 180 | | 333 | 7.6 | 3.5 | -6.7 | | 307 | 17.4 | 13.9 | -10.4 | | 305 | 16.1 | 13.2 | -9.2 | | 314 | 16.2 | 11.7 | -11.2 | 13049 |
| 190 | | 186 | 2.0 | .2 | 1.9 | | 299 | 17.2 | 15.1 | -8.4 | | 290 | 14.2 | 13.3 | -4.9 | | 307 | 15.8 | 12.5 | -9.6 | 12709 |
| 200 | | 175 | 8.2 | -.7 | 8.2 | | 299 | 16.4 | 14.3 | -8.0 | | 275 | 14.8 | 14.7 | -1.3 | | 304 | 13.6 | 11.3 | -7.6 | 12383 |
| 225 | | 163 | 14.4 | -4.3 | 13.7 | | 293 | 12.7 | 11.7 | -4.9 | | 276 | 12.4 | 12.3 | -1.4 | | 276 | 12.0 | 11.9 | -1.2 | 11617 |
| 250 | | 169 | 10.5 | -2.1 | 10.3 | | 298 | 12.3 | 10.9 | -5.7 | | 287 | 10.8 | 10.3 | -3.2 | | 287 | 7.7 | 7.4 | -2.2 | 10914 |
| 275 | | 210 | 4.4 | 2.2 | 3.9 | | 220 | 5.7 | 3.7 | 4.3 | | 232 | 5.8 | 4.6 | 3.6 | | 204 | 5.2 | 2.1 | 4.8 | 10262 |
| 300 | | 259 | 8.1 | 7.9 | 1.6 | | 214 | 6.6 | 3.7 | 5.5 | | 219 | 5.5 | 3.5 | 4.3 | | 238 | 4.3 | 3.7 | 2.3 | 9654 |
| 325 | | 255 | 10.2 | 9.9 | 2.6 | | 216 | 7.4 | 4.3 | 6.0 | | 265 | 5.3 | 5.3 | .4 | | 274 | 6.9 | 6.9 | -.4 | 9084 |
| 350 | | 244 | 10.2 | 9.1 | 4.5 | | 243 | 8.8 | 7.8 | 4.0 | | 278 | 6.3 | 6.2 | -.8 | | 280 | 8.6 | 8.5 | -1.5 | 8546 |
| 375 | | 270 | 7.7 | 7.7 | .0 | | 259 | 9.0 | 8.8 | 1.7 | | 276 | 7.7 | 7.6 | -.8 | | 269 | 7.0 | 7.0 | .1 | 8039 |
| 400 | | 268 | 6.1 | 6.1 | .2 | | 277 | 7.0 | 7.0 | -.9 | | 261 | 8.1 | 7.9 | 1.3 | | 272 | 7.1 | 7.1 | -.2 | 7557 |
| 425 | | 300 | 3.9 | 3.4 | -1.9 | | 276 | 5.3 | 5.3 | -.6 | | 273 | 5.8 | 5.8 | -.3 | | 283 | 8.5 | 8.2 | -2.0 | 7099 |
| 450 | | 297 | 5.4 | 4.8 | -2.5 | | 236 | 7.3 | 6.0 | 4.0 | | 253 | 7.4 | 7.1 | 2.1 | | 286 | 9.6 | 9.2 | -2.7 | 6662 |
| 475 | | 270 | 5.9 | 5.9 | .0 | | 237 | 9.1 | 7.7 | 5.0 | | 250 | 6.7 | 6.4 | 2.3 | | 259 | 7.9 | 7.7 | 1.6 | 6244 |
| 500 | | 251 | 7.7 | 7.3 | 2.5 | | 266 | 8.1 | 8.1 | .6 | | 262 | 6.7 | 6.7 | .9 | | 245 | 4.9 | 4.5 | 2.1 | 5844 |
| 525 | | 268 | 9.1 | 9.1 | .3 | | 270 | 9.4 | 9.4 | -.1 | | 287 | 7.0 | 6.7 | -2.0 | | 261 | 3.5 | 3.5 | .6 | 5460 |
| 550 | | 266 | 8.5 | 8.5 | .6 | | 260 | 8.0 | 7.9 | 1.4 | | 308 | 6.2 | 4.8 | -3.8 | 2 | 280 | 3.0 | 2.9 | -.5 | 5091 |
| 575 | | 259 | 6.3 | 6.2 | 1.3 | | 272 | 6.9 | 6.9 | -.3 | | 291 | 5.1 | 4.8 | -1.9 | | 241 | 4.0 | 3.6 | 1.9 | 4736 |
| 600 | | 281 | 5.8 | 5.7 | -1.1 | | 286 | 6.5 | 6.2 | -1.8 | | 269 | 5.4 | 5.4 | .1 | | 228 | 6.4 | 4.7 | 4.3 | 4393 |
| 625 | | 287 | 6.5 | 6.2 | -1.9 | | 274 | 6.2 | 6.2 | -.4 | | 269 | 4.7 | 4.7 | .1 | | 227 | 5.3 | 3.9 | 3.6 | 4062 |
| 650 | | 279 | 4.8 | 4.8 | -.7 | | 261 | 6.9 | 6.8 | 1.1 | | 263 | 5.1 | 5.1 | .6 | | 253 | 4.3 | 4.2 | 1.3 | 3742 |
| 675 | | 275 | 5.2 | 5.2 | -.5 | | 261 | 5.8 | 5.7 | .9 | | 268 | 4.4 | 4.4 | .1 | | 290 | 6.0 | 5.7 | -2.1 | 3431 |
| 700 | | 285 | 5.6 | 5.4 | -1.4 | | 260 | 5.6 | 5.5 | 1.0 | | 282 | 4.0 | 3.9 | -.8 | | 301 | 7.2 | 6.2 | -3.7 | 3130 |
| 725 | | 269 | 5.5 | 5.5 | .1 | | 253 | 4.8 | 4.6 | 1.4 | | 296 | 3.6 | 3.3 | -1.6 | | 310 | 4.6 | 3.5 | -2.9 | 2837 |
| 750 | | 247 | 4.0 | 3.7 | 1.6 | | 216 | 3.0 | 1.7 | 2.4 | | 311 | 3.6 | 2.7 | -2.3 | | 309 | .8 | .6 | -.5 | 2553 |
| 775 | | 182 | 3.6 | .1 | 3.6 | | 162 | 4.4 | -1.4 | 4.2 | | 300 | 2.4 | 2.1 | -1.2 | | 153 | 2.8 | -1.3 | 2.5 | 2276 |
| 800 | | 153 | 7.1 | -3.2 | 6.3 | | 132 | 7.4 | -5.5 | 4.9 | | 159 | 2.1 | -.7 | 1.9 | | 136 | 4.9 | -3.4 | 3.5 | 2007 |
| 825 | | 137 | 9.0 | -6.2 | 6.6 | | 111 | 10.5 | -9.8 | 3.8 | 2 | 127 | 6.5 | -5.2 | 3.9 | | 119 | 8.9 | -7.7 | 4.4 | 1745 |
| 850 | | 125 | 8.9 | -7.2 | 5.1 | | 102 | 11.8 | -11.5 | 2.5 | 2 | 115 | 9.2 | -8.3 | 3.9 | | 110 | 14.0 | -13.2 | 4.8 | 1490 |
| 875 | | 121 | 7.7 | -6.6 | 4.0 | | 98 | 10.3 | -10.2 | 1.5 | | 112 | 10.5 | -9.7 | 3.9 | | 102 | 14.9 | -14.5 | 3.2 | 1242 |
| 900 | | 120 | 6.9 | -6.0 | 3.5 | | 97 | 7.8 | -7.8 | .9 | | 109 | 11.7 | -11.1 | 3.7 | | 100 | 11.9 | -11.7 | 2.0 | 999 |
| 925 | | 117 | 5.9 | -5.3 | 2.7 | | 104 | 7.6 | -7.4 | 1.8 | | 106 | 10.6 | -10.2 | 2.9 | | 104 | 9.2 | -9.0 | 2.2 | 762 |
| 950 | | 114 | 4.5 | -4.1 | 1.8 | | 104 | 9.2 | -8.9 | 2.3 | | 109 | 7.7 | -7.3 | 2.5 | | 110 | 8.0 | -7.5 | 2.8 | 529 |
| 975 | | 114 | 4.1 | -3.7 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 118 | 5.4 | -4.8 | 2.5 | | 114 | 6.8 | -6.2 | 2.8 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/13 1757 GMT | | | | 4/13 1950 GMT | | | | 4/13 2310 GMT | | | | 4/14 145 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 15.5 | 15.5 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 253 | 10.9 | 10.4 | 3.2 | | 253 | 11.7 | 11.2 | 3.3 | | 274 | 17.9 | 17.9 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 270 | 17.4 | 17.4 | -.0 | | 271 | 16.1 | 16.1 | -.2 | 2 | 240 | 12.0 | 10.4 | 6.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 276 | 16.5 | 16.4 | -1.7 | | 274 | 15.2 | 15.2 | -1.0 | | 223 | 13.2 | 9.0 | 9.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | | 254 | 12.1 | 11.7 | 3.3 | | 250 | 10.9 | 10.3 | 3.8 | | 235 | 8.7 | 7.2 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | | 228 | 12.5 | 9.2 | 8.4 | | 224 | 11.7 | 8.2 | 8.4 | | 318 | 7.6 | 5.1 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | | 235 | 8.5 | 7.0 | 4.9 | | 232 | 9.2 | 7.2 | 5.7 | | 334 | 16.0 | 7.1 | -14.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | | 290 | 6.8 | 6.4 | -2.3 | | 275 | 8.2 | 8.1 | -.7 | | 331 | 17.8 | 8.7 | -15.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 337 | 14.2 | 5.5 | -13.2 | | 341 | 11.7 | 3.8 | -11.1 | | 330 | 16.7 | 8.3 | -14.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 336 | 17.2 | 6.9 | -15.8 | | 341 | 15.7 | 5.1 | -14.8 | | 327 | 16.8 | 9.3 | -14.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 331 | 16.6 | 8.0 | -14.6 | | 327 | 18.0 | 9.7 | -15.2 | | 324 | 16.7 | 9.8 | -13.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 326 | 16.3 | 9.1 | -13.5 | | 329 | 16.1 | 8.4 | -13.7 | | 311 | 16.2 | 12.2 | -10.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 312 | 17.3 | 12.8 | -11.7 | | 322 | 15.5 | 9.5 | -12.2 | | 300 | 17.9 | 15.5 | -9.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 307 | 17.6 | 14.1 | -10.5 | | 314 | 16.9 | 12.2 | -11.6 | | 300 | 17.1 | 14.8 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 308 | 16.3 | 12.8 | -10.0 | | 309 | 15.3 | 11.9 | -9.6 | | 297 | 14.4 | 12.8 | -6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 298 | 11.2 | 9.9 | -5.2 | | 299 | 12.5 | 10.9 | -6.2 | | 294 | 12.4 | 11.3 | -5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 282 | 8.1 | 7.9 | -1.7 | | 294 | 9.1 | 8.3 | -3.6 | | 302 | 9.0 | 7.7 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | | 247 | 3.4 | 3.1 | 1.3 | | 277 | 4.6 | 4.5 | -.6 | | 226 | 4.4 | 3.1 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | | 224 | 3.5 | 2.4 | 2.6 | | 188 | 5.6 | .8 | 5.6 | | 224 | 6.8 | 4.7 | 4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | | 257 | 5.0 | 4.8 | 1.1 | | 228 | 5.5 | 4.1 | 3.7 | | 251 | 5.9 | 5.6 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | | 298 | 7.5 | 6.6 | -3.5 | | 284 | 5.4 | 5.2 | -1.3 | | 298 | 4.5 | 4.0 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | | 281 | 6.4 | 6.3 | -1.2 | | 289 | 6.3 | 6.0 | -2.1 | | 249 | 4.9 | 4.6 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | | 268 | 7.1 | 7.1 | .2 | | 258 | 5.0 | 4.9 | 1.0 | | 246 | 4.8 | 4.4 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | | 271 | 7.5 | 7.5 | -.1 | | 272 | 8.8 | 8.8 | -.3 | | 263 | 4.9 | 4.9 | .6 | | 269 | 5.9 | 5.9 | .1 | 7099 |
| 450 | | 261 | 7.1 | 7.0 | 1.2 | | 266 | 6.3 | 6.2 | .4 | | 257 | 5.4 | 5.2 | 1.2 | | 267 | 6.0 | 6.0 | .3 | 6662 |
| 475 | | 232 | 5.3 | 4.2 | 3.3 | | 256 | 5.1 | 4.9 | 1.2 | | 232 | 3.8 | 3.0 | 2.3 | | 238 | 3.4 | 2.9 | 1.8 | 6244 |
| 500 | | 241 | 4.4 | 3.8 | 2.1 | | 229 | 4.4 | 3.3 | 2.9 | | 215 | 4.3 | 2.5 | 3.6 | | 240 | 4.9 | 4.2 | 2.4 | 5844 |
| 525 | | 256 | 2.0 | 1.9 | .5 | | 253 | 2.2 | 2.1 | .6 | | 233 | 4.3 | 3.4 | 2.6 | | 258 | 4.5 | 4.4 | 1.0 | 5460 |
| 550 | | 1 | 1.4 | -.0 | -1.4 | | 64 | .5 | -.4 | -.2 | | 250 | 2.2 | 2.1 | .8 | | 257 | 3.1 | 3.0 | .7 | 5091 |
| 575 | | 240 | 2.7 | 2.3 | 1.3 | | 241 | 2.1 | 1.9 | 1.0 | | 243 | 3.0 | 2.6 | 1.3 | | 231 | 3.6 | 2.8 | 2.3 | 4736 |
| 600 | | 231 | 7.1 | 5.5 | 4.4 | | 224 | 3.4 | 2.3 | 2.5 | | 240 | 4.1 | 3.5 | 2.0 | | 230 | 3.8 | 2.9 | 2.4 | 4393 |
| 625 | | 254 | 4.1 | 3.9 | 1.1 | | 217 | 2.8 | 1.7 | 2.2 | | 256 | 3.6 | 3.5 | .9 | | 267 | 3.0 | 3.0 | .2 | 4062 |
| 650 | | 267 | 4.3 | 4.3 | .2 | | 258 | 2.9 | 2.8 | .6 | | 289 | 4.1 | 3.9 | -1.4 | | 294 | 4.1 | 3.7 | -1.6 | 3742 |
| 675 | | 311 | 6.2 | 4.6 | -4.1 | | 305 | 4.7 | 3.8 | -2.7 | | 320 | 5.3 | 3.4 | -4.1 | | 312 | 3.9 | 2.9 | -2.6 | 3431 |
| 700 | | 319 | 6.9 | 4.5 | -5.2 | | 324 | 7.4 | 4.3 | -6.0 | | 329 | 6.3 | 3.3 | -5.4 | | 332 | 5.2 | 2.5 | -4.5 | 3130 |
| 725 | | 309 | 3.7 | 2.9 | -2.3 | | 313 | 4.4 | 3.2 | -3.0 | | 320 | 4.6 | 2.9 | -3.6 | | 328 | 3.4 | 1.8 | -2.9 | 2837 |
| 750 | | 100 | 1.8 | -1.8 | .3 | | 256 | .8 | .7 | .2 | | 244 | .7 | .6 | .3 | | 236 | .7 | .6 | .4 | 2553 |
| 775 | | 123 | 4.8 | -4.0 | 2.6 | | 126 | 3.4 | -2.7 | 2.0 | | 146 | 4.6 | -2.6 | 3.8 | | 142 | 5.1 | -3.1 | 4.0 | 2276 |
| 800 | | 135 | 6.9 | -4.9 | 4.9 | | 132 | 6.5 | -4.8 | 4.4 | | 134 | 7.9 | -5.7 | 5.5 | | 131 | 9.5 | -7.2 | 6.2 | 2007 |
| 825 | | 125 | 9.9 | -8.0 | 5.7 | | 127 | 9.3 | -7.4 | 5.6 | | 118 | 10.5 | -9.3 | 4.9 | | 121 | 10.3 | -8.8 | 5.2 | 1745 |
| 850 | | 109 | 10.9 | -10.3 | 3.5 | | 115 | 11.0 | -10.0 | 4.7 | | 108 | 11.4 | -10.8 | 3.6 | | 114 | 10.4 | -9.5 | 4.2 | 1490 |
| 875 | | 97 | 11.1 | -11.0 | 1.4 | | 107 | 11.2 | -10.7 | 3.3 | | 107 | 10.8 | -10.3 | 3.3 | | 112 | 11.1 | -10.3 | 4.2 | 1242 |
| 900 | | 99 | 9.8 | -9.7 | 1.6 | | 108 | 10.5 | -10.0 | 3.2 | | 112 | 10.6 | -9.9 | 3.9 | | 113 | 10.7 | -9.9 | 4.2 | 999 |
| 925 | | 105 | 8.3 | -8.0 | 2.1 | | 111 | 9.7 | -9.1 | 3.5 | | 113 | 10.3 | -9.5 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | | 109 | 7.8 | -7.4 | 2.5 | | 113 | 8.4 | -7.7 | 3.3 | | 113 | 9.4 | -8.7 | 3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | | 120 | 7.2 | -6.2 | 3.6 | | 117 | 6.8 | -6.0 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/14 515 GMT | | | | 4/14 1147 GMT | | | | 4/14 1756 GMT | | | | 4/15 014 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 14.0 | 13.9 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 252 | 15.7 | 14.9 | 4.7 | 19517 |
| 70 | | 245 | 10.1 | 9.1 | 4.2 | | 273 | 9.1 | 9.1 | -.4 | | 240 | 7.5 | 6.5 | 3.8 | | 279 | 5.3 | 5.3 | -.9 | 18589 |
| 80 | | 280 | 13.2 | 13.0 | -2.3 | | 260 | 12.9 | 12.6 | 2.3 | | 270 | 14.1 | 14.1 | .1 | | 271 | 14.0 | 14.0 | -.1 | 17801 |
| 90 | | 278 | 16.1 | 16.0 | -2.2 | | 272 | 11.6 | 11.6 | -.3 | | 267 | 12.5 | 12.5 | .7 | | 274 | 15.5 | 15.4 | -1.2 | 17121 |
| 100 | | 270 | 15.6 | 15.6 | .1 | | 271 | 12.5 | 12.5 | -.3 | | 271 | 10.0 | 10.0 | -.2 | | 256 | 9.9 | 9.6 | 2.4 | 16521 |
| 110 | | 242 | 12.6 | 11.1 | 6.0 | | 257 | 11.4 | 11.1 | 2.5 | | 249 | 8.6 | 8.1 | 3.0 | | 233 | 10.7 | 8.5 | 6.4 | 15978 |
| 120 | | 223 | 10.7 | 7.3 | 7.8 | | 258 | 10.7 | 10.4 | 2.3 | | 245 | 8.4 | 7.6 | 3.6 | | 253 | 9.3 | 8.9 | 2.7 | 15479 |
| 130 | | 223 | 9.6 | 6.5 | 7.0 | | 262 | 10.7 | 10.6 | 1.5 | | 279 | 7.7 | 7.6 | -1.2 | | 291 | 6.5 | 6.1 | -2.3 | 15014 |
| 140 | | 259 | 5.9 | 5.8 | 1.1 | | 286 | 9.9 | 9.6 | -2.7 | | 310 | 10.1 | 7.8 | -6.5 | | 311 | 11.6 | 8.8 | -7.6 | 14578 |
| 150 | | 324 | 8.3 | 4.9 | -6.7 | | 305 | 12.6 | 10.3 | -7.2 | | 315 | 12.6 | 8.9 | -9.0 | | 301 | 16.5 | 14.2 | -8.5 | 14167 |
| 160 | | 317 | 10.9 | 7.4 | -8.0 | | 307 | 14.6 | 11.7 | -8.7 | | 311 | 17.3 | 13.1 | -11.3 | | 298 | 16.5 | 14.5 | -7.8 | 13776 |
| 170 | | 313 | 13.2 | 9.6 | -9.1 | | 309 | 17.0 | 13.1 | -10.7 | | 307 | 17.5 | 14.0 | -10.5 | | 308 | 18.1 | 14.2 | -11.2 | 13404 |
| 180 | | 315 | 13.9 | 9.8 | -9.8 | | 314 | 17.4 | 12.4 | -12.2 | | 312 | 16.6 | 12.3 | -11.2 | | 314 | 20.8 | 15.1 | -14.3 | 13049 |
| 190 | | 312 | 14.2 | 10.5 | -9.6 | | 306 | 13.6 | 11.1 | -7.9 | | 318 | 16.3 | 10.8 | -12.2 | | 315 | 20.7 | 14.7 | -14.5 | 12709 |
| 200 | | 316 | 16.3 | 11.4 | -11.6 | | 296 | 12.4 | 11.1 | -5.4 | | 311 | 15.3 | 11.5 | -10.1 | | 319 | 20.3 | 13.4 | -15.3 | 12383 |
| 225 | | 308 | 13.2 | 10.4 | -8.1 | | 307 | 13.6 | 10.9 | -8.1 | | 318 | 13.7 | 9.2 | -10.1 | | 319 | 14.9 | 9.7 | -11.4 | 11617 |
| 250 | 3 | 288 | 11.2 | 10.6 | -3.5 | | 295 | 9.6 | 8.7 | -4.0 | | 312 | 7.9 | 5.8 | -5.3 | | 307 | 11.4 | 9.1 | -6.9 | 10914 |
| 275 | | 284 | 7.9 | 7.7 | -1.9 | | 291 | 6.8 | 6.3 | -2.4 | | 301 | 5.1 | 4.3 | -2.6 | | 292 | 5.3 | 4.9 | -1.9 | 10262 |
| 300 | | 263 | 4.8 | 4.8 | .6 | | | | | | | 273 | 6.5 | 6.5 | -.3 | | 261 | 6.2 | 6.2 | .9 | 9654 |
| 325 | | 212 | 3.4 | 1.8 | 2.9 | | | | | | | 221 | 5.0 | 3.2 | 3.8 | | 231 | 5.2 | 4.0 | 3.3 | 9084 |
| 350 | | 248 | 4.6 | 4.3 | 1.7 | | | | | | | 212 | 5.2 | 2.8 | 4.4 | | 183 | 5.0 | .3 | 5.0 | 8546 |
| 375 | | 262 | 4.0 | 4.0 | .6 | | | | | | | 230 | 4.1 | 3.1 | 2.7 | | 228 | 5.8 | 4.3 | 3.9 | 8039 |
| 400 | | 247 | 4.4 | 4.1 | 1.7 | | 266 | 4.9 | 4.9 | .3 | | 264 | 3.2 | 3.1 | .3 | | 243 | 5.0 | 4.5 | 2.3 | 7557 |
| 425 | | 288 | 5.9 | 5.6 | -1.8 | | 282 | 5.2 | 5.1 | -1.1 | | 332 | 2.0 | 1.0 | -1.8 | | 344 | 1.0 | .3 | -1.0 | 7099 |
| 450 | | 283 | 6.8 | 6.6 | -1.5 | | 302 | 6.3 | 5.3 | -3.3 | | 327 | 2.4 | 1.3 | -2.0 | | 315 | 3.3 | 2.3 | -2.3 | 6662 |
| 475 | | 276 | 4.0 | 4.0 | -.4 | | 286 | 5.9 | 5.6 | -1.6 | | 289 | 5.0 | 4.7 | -1.7 | | 294 | 5.4 | 4.9 | -2.2 | 6244 |
| 500 | | 232 | 4.0 | 3.1 | 2.4 | | 283 | 3.9 | 3.8 | -.9 | | 278 | 3.5 | 3.5 | -.5 | | 278 | 4.8 | 4.7 | -.7 | 5844 |
| 525 | | 240 | 4.7 | 4.1 | 2.3 | | 262 | 4.7 | 4.7 | .7 | | 293 | 4.6 | 4.3 | -1.8 | | 277 | 4.6 | 4.5 | -.5 | 5460 |
| 550 | | 230 | 3.6 | 2.7 | 2.3 | | 265 | 5.5 | 5.5 | .4 | | 284 | 6.3 | 6.1 | -1.6 | | 276 | 5.5 | 5.4 | -.6 | 5091 |
| 575 | | 210 | 3.9 | 1.9 | 3.3 | | 253 | 2.8 | 2.7 | .8 | | 283 | 4.2 | 4.1 | -.9 | | 285 | 4.9 | 4.7 | -1.3 | 4736 |
| 600 | | 222 | 3.5 | 2.3 | 2.6 | | 237 | 2.6 | 2.2 | 1.4 | | 247 | 2.2 | 2.0 | .9 | | 291 | 3.6 | 3.4 | -1.3 | 4393 |
| 625 | 3 | 246 | 2.0 | 1.8 | .8 | | 291 | 2.3 | 2.2 | -.8 | | 219 | 1.4 | .9 | 1.1 | | 271 | 1.5 | 1.5 | -.0 | 4062 |
| 650 | 3 | 247 | 1.7 | 1.6 | .7 | | 246 | 1.1 | 1.0 | .4 | | 225 | 1.0 | .7 | .7 | | 169 | .4 | -.1 | .3 | 3742 |
| 675 | | 256 | .8 | .8 | .2 | | 194 | .9 | .2 | .9 | | 247 | 1.3 | 1.2 | .5 | | 166 | 1.6 | -.4 | 1.6 | 3431 |
| 700 | | 331 | 2.2 | 1.1 | -2.0 | | 317 | 2.4 | 1.6 | -1.8 | | 223 | .9 | .6 | .7 | | 181 | 1.9 | .0 | 1.9 | 3130 |
| 725 | | 324 | 4.3 | 2.5 | -3.5 | | 319 | 3.1 | 2.0 | -2.4 | | 305 | 1.8 | 1.5 | -1.0 | | 291 | .9 | .8 | -.3 | 2837 |
| 750 | | 322 | 3.0 | 1.9 | -2.4 | | 119 | .7 | -.6 | .3 | | 335 | 2.3 | 1.0 | -2.1 | | 7 | 1.2 | -.2 | -1.2 | 2553 |
| 775 | | 120 | .6 | -.5 | .3 | | 139 | 4.9 | -3.2 | 3.7 | | 120 | 1.7 | -1.4 | .8 | | 123 | 2.0 | -1.7 | 1.1 | 2276 |
| 800 | | 119 | 6.3 | -5.5 | 3.0 | | 142 | 7.5 | -4.6 | 5.9 | | 137 | 5.8 | -4.0 | 4.2 | | 144 | 3.8 | -2.2 | 3.1 | 2007 |
| 825 | 2 | 111 | 10.4 | -9.7 | 3.7 | | 125 | 8.5 | -6.9 | 4.9 | | 123 | 10.1 | -8.5 | 5.5 | | 130 | 6.6 | -5.1 | 4.3 | 1745 |
| 850 | 2 | 108 | 10.8 | -10.2 | 3.4 | | 109 | 9.6 | -9.0 | 3.2 | | 112 | 11.7 | -10.9 | 4.3 | | 121 | 9.5 | -8.2 | 4.9 | 1490 |
| 875 | | 112 | 11.0 | -10.2 | 4.1 | | 109 | 11.3 | -10.7 | 3.7 | | 107 | 9.7 | -9.2 | 2.9 | | 118 | 10.5 | -9.3 | 4.9 | 1242 |
| 900 | | 116 | 11.8 | -10.6 | 5.1 | | 111 | 12.3 | -11.5 | 4.4 | | 111 | 9.4 | -8.8 | 3.4 | | 116 | 10.9 | -9.8 | 4.8 | 999 |
| 925 | | 119 | 10.6 | -9.2 | 5.2 | | 111 | 11.7 | -10.9 | 4.1 | | 116 | 9.9 | -8.8 | 4.4 | | 114 | 10.1 | -9.2 | 4.1 | 762 |
| 950 | | 123 | 8.0 | -6.7 | 4.4 | | 110 | 9.3 | -8.7 | 3.2 | | 122 | 8.1 | -6.9 | 4.3 | | 111 | 8.0 | -7.4 | 2.9 | 529 |
| 975 | | 121 | 6.7 | -5.8 | 3.5 | | 111 | 6.6 | -6.2 | 2.4 | | 127 | 7.8 | -6.3 | 4.7 | | 111 | 7.1 | -6.6 | 2.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/15 555 GMT | | | | 4/15 1256 GMT | | | | 4/15 1727 GMT | | | | 4/15 2038 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 0 0 | 0.0 | 0.0 | 0.0 | 282 | 16.8 | 16.4 | -3.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 236 | 4.6 | 3.8 | 2.6 | 251 | 5.8 | 5.5 | 1.9 | 271 | 7.2 | 7.2 | -.1 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 269 | 11.1 | 11.1 | .1 | 266 | 12.4 | 12.4 | .8 | 295 | 6.9 | 6.2 | -2.9 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 266 | 15.7 | 15.6 | 1.0 | 265 | 15.5 | 15.5 | 1.2 | 276 | 12.0 | 11.9 | -1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 262 | 10.0 | 9.9 | 1.4 | 256 | 11.3 | 10.9 | 2.7 | 262 | 15.7 | 15.6 | 2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 232 | 10.8 | 8.5 | 6.7 | 250 | 5.5 | 5.2 | 1.9 | 226 | 9.3 | 6.8 | 6.4 | 0 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 255 | 8.2 | 7.9 | 2.2 | 307 | 7.4 | 5.9 | -4.5 | 284 | 10.6 | 10.2 | -2.6 | 0 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 299 | 11.1 | 9.7 | -5.4 | 310 | 15.4 | 11.9 | -9.8 | 315 | 15.8 | 11.2 | -11.1 | 0 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 302 | 18.4 | 15.6 | -9.6 | 304 | 19.6 | 16.3 | -10.9 | 311 | 19.0 | 14.3 | -12.5 | 0 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 300 | 20.6 | 17.8 | -10.4 | 300 | 18.6 | 16.1 | -9.2 | 304 | 18.8 | 15.5 | -10.5 | 0 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 295 | 18.3 | 16.6 | -7.7 | 298 | 19.3 | 17.0 | -9.1 | 296 | 19.4 | 17.4 | -8.6 | 0 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 299 | 17.2 | 15.0 | -8.4 | 303 | 19.8 | 16.6 | -10.8 | 292 | 18.7 | 17.4 | -6.9 | 0 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 314 | 17.3 | 12.5 | -12.0 | 307 | 18.6 | 14.9 | -11.2 | 291 | 18.2 | 17.0 | -6.5 | 0 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 319 | 17.6 | 11.4 | -13.3 | 301 | 16.9 | 14.5 | -8.7 | 294 | 17.7 | 16.2 | -7.1 | 0 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 322 | 16.3 | 10.0 | -12.9 | 295 | 16.3 | 14.8 | -6.8 | 297 | 18.3 | 16.4 | -8.2 | 0 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 340 | 11.8 | 4.1 | -11.1 | 318 | 11.9 | 8.0 | -8.9 | 292 | 18.3 | 17.0 | -6.7 | 0 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 337 | 11.0 | 4.3 | -10.1 | 323 | 8.4 | 5.1 | -6.7 | 298 | 12.9 | 11.3 | -6.1 | 0 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 295 | 7.7 | 7.0 | -3.3 | 301 | 6.4 | 5.5 | -3.3 | 297 | 7.1 | 6.3 | -3.2 | 0 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 267 | 7.1 | 7.0 | .3 | 293 | 7.3 | 6.7 | -2.8 | 299 | 5.8 | 5.1 | -2.8 | 0 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 256 | 8.1 | 7.9 | 1.9 | 283 | 7.3 | 7.1 | -1.6 | 300 | 7.0 | 6.0 | -3.4 | 0 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 204 | 6.6 | 2.7 | 6.1 | 230 | 4.9 | 3.7 | 3.1 | 284 | 4.7 | 4.5 | -1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 228 | 6.7 | 5.0 | 4.5 | 213 | 5.4 | 3.0 | 4.5 | 224 | 3.1 | 2.2 | 2.2 | 0 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 243 | 5.2 | 4.6 | 2.4 | 259 | 3.2 | 3.2 | .6 | 278 | 1.9 | 1.9 | -.3 | 0 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 337 | 2.3 | .9 | -2.1 | 242 | 1.2 | 1.1 | .5 | 265 | 1.3 | 1.3 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | 322 | 3.6 | 2.2 | -2.8 | 323 | 3.2 | 1.9 | -2.6 | 233 | 1.1 | .8 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 296 | 6.5 | 5.9 | -2.9 | 305 | 4.3 | 3.5 | -2.4 | 308 | 2.5 | 2.0 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 282 | 5.6 | 5.4 | -1.1 | 287 | 5.7 | 5.4 | -1.7 | 317 | 4.1 | 2.8 | -3.0 | 302 | 3.4 | 2.8 | -1.8 | 5844 |
| 525 | 257 | 3.5 | 3.4 | .8 | 279 | 5.3 | 5.2 | -.8 | 299 | 5.4 | 4.7 | -2.6 | 292 | 5.2 | 4.9 | -1.9 | 5460 |
| 550 | 252 | 3.5 | 3.4 | 1.1 | 260 | 3.9 | 3.9 | .7 | 274 | 4.1 | 4.0 | -.3 | 252 | 4.3 | 4.0 | 1.3 | 5091 |
| 575 | 267 | 3.6 | 3.6 | .2 | 271 | 3.9 | 3.9 | -.1 | 270 | 2.9 | 2.9 | .0 | 248 | 3.8 | 3.5 | 1.5 | 4736 |
| 600 | 285 | 2.1 | 2.1 | -.5 | 262 | 2.9 | 2.9 | .4 | 272 | 3.4 | 3.4 | -.1 | 274 | 3.5 | 3.5 | -.2 | 4393 |
| 625 | 249 | .6 | .6 | .2 | 230 | 1.5 | 1.1 | 1.0 | 243 | 2.1 | 1.8 | 1.0 | 256 | 2.8 | 2.7 | .6 | 4062 |
| 650 | 108 | 1.0 | -.9 | .3 | 123 | 3.4 | -2.9 | 1.9 | 143 | 3.1 | -1.9 | 2.5 | 161 | 2.9 | -.9 | 2.7 | 3742 |
| 675 | 83 | 2.7 | -2.7 | -.3 | 130 | 5.1 | -3.9 | 3.2 | 138 | 7.2 | -4.9 | 5.3 | 139 | 6.2 | -4.0 | 4.6 | 3431 |
| 700 | 72 | 2.2 | -2.1 | -.7 | 152 | 2.8 | -1.3 | 2.5 | 147 | 6.0 | -3.3 | 5.0 | 143 | 7.4 | -4.5 | 5.9 | 3130 |
| 725 | 7 | 1.7 | -.2 | -1.6 | 181 | 1.3 | .0 | 1.3 | 155 | 2.8 | -1.2 | 2.5 | 146 | 4.2 | -2.3 | 3.4 | 2837 |
| 750 | 76 | 1.1 | -1.1 | -.3 | 158 | 3.1 | -1.1 | 2.9 | 148 | 3.2 | -1.7 | 2.7 | 159 | 2.1 | -.8 | 2.0 | 2553 |
| 775 | 132 | 2.6 | -2.0 | 1.8 | 154 | 5.4 | -2.4 | 4.8 | 145 | 5.8 | -3.3 | 4.7 | 164 | 4.1 | -1.2 | 4.0 | 2276 |
| 800 | 135 | 5.2 | -3.6 | 3.7 | 143 | 7.9 | -4.7 | 6.3 | 145 | 7.3 | -4.2 | 6.0 | 148 | 7.2 | -3.8 | 6.1 | 2007 |
| 825 | 127 | 8.3 | -6.7 | 5.0 | 130 | 10.1 | -7.7 | 6.5 | 143 | 7.8 | -4.7 | 6.3 | 130 | 10.0 | -7.6 | 6.5 | 1745 |
| 850 | 119 | 9.5 | -8.3 | 4.6 | 121 | 11.5 | -9.9 | 5.9 | 134 | 9.1 | -6.6 | 6.4 | 120 | 10.9 | -9.5 | 5.4 | 1490 |
| 875 | 116 | 8.3 | -7.5 | 3.6 | 116 | 11.7 | -10.5 | 5.1 | 121 | 10.5 | -9.0 | 5.5 | 117 | 10.5 | -9.4 | 4.8 | 1242 |
| 900 | 121 | 7.8 | -6.7 | 4.0 | 112 | 10.1 | -9.4 | 3.9 | 108 | 10.7 | -10.1 | 3.4 | 115 | 9.9 | -8.9 | 4.2 | 999 |
| 925 | 123 | 8.3 | -7.0 | 4.5 | 110 | 8.1 | -7.6 | 2.7 | 105 | 9.7 | -9.4 | 2.6 | 108 | 8.9 | -8.5 | 2.8 | 762 |
| 950 | 118 | 7.7 | -6.8 | 3.6 | 113 | 6.6 | -6.1 | 2.6 | 112 | 7.7 | -7.1 | 2.9 | 105 | 7.1 | -6.8 | 1.9 | 529 |
| 975 | 104 | 6.6 | -6.4 | 1.6 | 123 | 5.4 | -4.6 | 2.9 | 120 | 4.5 | -3.9 | 2.3 | 116 | 5.2 | -4.7 | 2.3 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/15 23 4 GMT | | | | 4/16 210 GMT | | | | 4/16 525 GMT | | | | 4/16 1155 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 20.0 | 20.0 | .5 | | 271 | 20.4 | 20.4 | -.5 | 19517 |
| 70 | | 263 | 6.1 | 6.1 | .7 | | 268 | 7.0 | 7.0 | .3 | | 274 | 8.6 | 8.5 | -.6 | | 303 | 8.3 | 7.0 | -4.4 | 18589 |
| 80 | 2 | 290 | 10.0 | 9.4 | -3.4 | | 268 | 10.6 | 10.6 | .4 | | 256 | 11.1 | 10.8 | 2.7 | | 261 | 12.4 | 12.2 | 2.0 | 17801 |
| 90 | 0 | 308 | 12.2 | 9.6 | -7.5 | | 285 | 10.7 | 10.3 | -2.9 | | 266 | 12.2 | 12.1 | .9 | | 270 | 15.0 | 15.0 | -.1 | 17121 |
| 100 | 0 | 313 | 14.6 | 10.6 | -10.0 | | 273 | 11.2 | 11.1 | -.6 | | 281 | 12.9 | 12.6 | -2.6 | | 285 | 12.1 | 11.7 | -3.1 | 16521 |
| 110 | 0 | 313 | 16.5 | 12.0 | -11.3 | | 238 | 11.6 | 9.9 | 6.1 | | 232 | 9.2 | 7.3 | 5.6 | | 264 | 11.0 | 11.0 | 1.2 | 15978 |
| 120 | 0 | 311 | 17.9 | 13.6 | -11.6 | | 286 | 8.7 | 8.4 | -2.3 | | 277 | 8.0 | 8.0 | -1.0 | | 270 | 9.2 | 9.2 | .1 | 15479 |
| 130 | 0 | 306 | 18.9 | 15.3 | -11.1 | | 317 | 11.9 | 8.0 | -8.7 | | 308 | 8.2 | 6.5 | -5.0 | | 306 | 10.5 | 8.5 | -6.2 | 15014 |
| 140 | 0 | 300 | 19.5 | 16.8 | -9.8 | | 307 | 11.3 | 9.1 | -6.7 | | 306 | 9.7 | 7.9 | -5.7 | | 304 | 15.2 | 12.6 | -8.5 | 14578 |
| 150 | 0 | 293 | 19.9 | 18.3 | -7.9 | | 305 | 11.9 | 9.7 | -6.9 | | 293 | 15.7 | 14.5 | -6.2 | | 296 | 17.1 | 15.4 | -7.4 | 14167 |
| 160 | 0 | 286 | 19.4 | 18.6 | -5.3 | | 305 | 16.4 | 13.4 | -9.4 | | 291 | 17.4 | 16.3 | -6.1 | | 293 | 16.6 | 15.3 | -6.4 | 13776 |
| 170 | 0 | 278 | 17.3 | 17.1 | -2.5 | | 297 | 16.7 | 14.9 | -7.5 | | 294 | 17.1 | 15.5 | -7.1 | | 297 | 16.0 | 14.2 | -7.4 | 13404 |
| 180 | 0 | 271 | 14.8 | 14.8 | -.3 | | 284 | 14.6 | 14.1 | -3.6 | | 299 | 17.3 | 15.1 | -8.3 | | 304 | 16.4 | 13.6 | -9.2 | 13049 |
| 190 | 0 | 265 | 12.8 | 12.7 | 1.0 | | 300 | 18.8 | 16.4 | -9.3 | | 299 | 13.7 | 12.0 | -6.6 | | 297 | 13.8 | 12.4 | -6.2 | 12709 |
| 200 | 0 | 260 | 11.1 | 10.9 | 1.8 | | 309 | 18.5 | 14.5 | -11.5 | | 285 | 11.2 | 10.8 | -3.0 | | 297 | 12.5 | 11.2 | -5.7 | 12383 |
| 225 | 0 | 252 | 7.8 | 7.4 | 2.5 | | 271 | 10.1 | 10.1 | -.1 | | 268 | 10.7 | 10.7 | .4 | | 288 | 9.0 | 8.6 | -2.8 | 11617 |
| 250 | 0 | 248 | 5.4 | 5.0 | 2.0 | | 262 | 7.7 | 7.6 | 1.1 | | 269 | 8.2 | 8.2 | .2 | | 291 | 6.7 | 6.3 | -2.4 | 10914 |
| 275 | 0 | 249 | 3.5 | 3.3 | 1.2 | | 250 | 5.0 | 4.7 | 1.7 | | 247 | 4.8 | 4.4 | 1.9 | | 287 | 6.1 | 5.8 | -1.8 | 10262 |
| 300 | 3 | 251 | 1.8 | 1.7 | .6 | | 216 | 2.9 | 1.7 | 2.3 | | 218 | 4.3 | 2.7 | 3.4 | | 284 | 7.6 | 7.4 | -1.8 | 9654 |
| 325 | | 290 | 3.3 | 3.1 | -1.1 | | 283 | 4.5 | 4.4 | -1.0 | | 270 | 4.2 | 4.2 | .0 | | 279 | 8.6 | 8.5 | -1.3 | 9084 |
| 350 | | 258 | 2.5 | 2.5 | .5 | | 213 | 2.6 | 1.4 | 2.2 | | 198 | 3.4 | 1.0 | 3.2 | | 209 | 5.4 | 2.6 | 4.8 | 8546 |
| 375 | 3 | 187 | 4.8 | .6 | 4.7 | | 193 | 5.6 | 1.3 | 5.5 | | 206 | 5.0 | 2.2 | 4.5 | | 189 | 5.2 | .8 | 5.2 | 8039 |
| 400 | 3 | 201 | 2.6 | .9 | 2.5 | | 215 | 3.7 | 2.1 | 3.1 | | 230 | 5.3 | 4.1 | 3.4 | | 227 | 2.8 | 2.1 | 1.9 | 7557 |
| 425 | | 170 | 2.7 | -.5 | 2.7 | | 223 | 2.5 | 1.7 | 1.8 | | 243 | 3.1 | 2.7 | 1.4 | | 256 | 5.4 | 5.3 | 1.3 | 7099 |
| 450 | | 240 | 2.2 | 1.9 | 1.1 | | 287 | 1.5 | 1.5 | -.4 | | 312 | 3.0 | 2.3 | -2.0 | | 258 | 3.6 | 3.5 | .7 | 6662 |
| 475 | | 280 | 2.6 | 2.6 | -.5 | | 280 | 2.7 | 2.6 | -.5 | | 319 | 3.7 | 2.4 | -2.8 | | 303 | 4.5 | 3.8 | -2.4 | 6244 |
| 500 | 2 | 283 | 4.0 | 3.9 | -.9 | | 291 | 3.3 | 3.0 | -1.2 | | 265 | 3.2 | 3.2 | .3 | | 266 | 4.0 | 4.0 | .3 | 5844 |
| 525 | 3 | 273 | 6.3 | 6.3 | -.4 | | 297 | 5.7 | 5.1 | -2.6 | | 300 | 4.5 | 3.9 | -2.2 | | 240 | 4.5 | 3.9 | 2.3 | 5460 |
| 550 | | 250 | 4.4 | 4.1 | 1.5 | | 262 | 5.0 | 4.9 | .7 | | 272 | 4.3 | 4.3 | -.1 | | 270 | 4.4 | 4.4 | -.0 | 5091 |
| 575 | | 275 | 3.5 | 3.5 | -.3 | | 258 | 4.1 | 4.1 | .9 | | 246 | 4.7 | 4.3 | 1.9 | | 273 | 4.6 | 4.6 | -.3 | 4736 |
| 600 | | 284 | 4.2 | 4.1 | -1.0 | | 289 | 3.9 | 3.7 | -1.2 | | 273 | 3.9 | 3.9 | -.2 | | 298 | 4.0 | 3.5 | -1.8 | 4393 |
| 625 | 3 | 250 | 2.0 | 1.9 | .7 | | 279 | 3.5 | 3.4 | -.6 | | 276 | 3.2 | 3.2 | -.4 | | 288 | 4.1 | 3.9 | -1.3 | 4062 |
| 650 | 2 | 162 | 3.4 | -1.1 | 3.2 | | 174 | 2.4 | -.3 | 2.3 | | 206 | 2.8 | 1.2 | 2.5 | | 257 | 2.8 | 2.7 | .6 | 3742 |
| 675 | 3 | 152 | 6.1 | -2.9 | 5.4 | | 144 | 5.6 | -3.3 | 4.5 | | 164 | 5.2 | -1.4 | 5.0 | | 167 | 3.8 | -.8 | 3.7 | 3431 |
| 700 | 2 | 150 | 6.4 | -3.2 | 5.6 | | 147 | 5.5 | -3.0 | 4.6 | | 163 | 6.7 | -2.0 | 6.4 | | 162 | 7.8 | -2.4 | 7.4 | 3130 |
| 725 | | 156 | 3.5 | -1.4 | 3.2 | | 161 | 2.5 | -.8 | 2.3 | | 170 | 4.9 | -.8 | 4.8 | | 167 | 7.8 | -1.8 | 7.6 | 2837 |
| 750 | | 190 | 1.8 | .3 | 1.8 | | 220 | 2.1 | 1.4 | 1.6 | | 186 | 2.4 | .2 | 2.4 | | 176 | 4.7 | -.3 | 4.7 | 2553 |
| 775 | | 164 | 3.7 | -1.0 | 3.6 | | 190 | 3.7 | .7 | 3.6 | | 195 | 2.4 | .6 | 2.3 | | 207 | 3.0 | 1.4 | 2.6 | 2276 |
| 800 | | 146 | 7.5 | -4.2 | 6.2 | | 164 | 6.4 | -1.8 | 6.1 | | 181 | 4.2 | .1 | 4.2 | | 205 | 4.3 | 1.8 | 3.9 | 2007 |
| 825 | | 137 | 9.8 | -6.7 | 7.2 | | 150 | 8.1 | -4.1 | 7.1 | | 168 | 6.5 | -1.4 | 6.3 | | 178 | 6.1 | -.2 | 6.0 | 1745 |
| 850 | 3 | 129 | 9.7 | -7.5 | 6.1 | | 134 | 8.6 | -6.2 | 5.9 | | 145 | 8.1 | -4.7 | 6.7 | | 149 | 7.7 | -4.0 | 6.6 | 1490 |
| 875 | | 119 | 8.7 | -7.6 | 4.2 | | 120 | 7.8 | -6.7 | 3.9 | | 124 | 9.3 | -7.7 | 5.2 | | 129 | 9.1 | -7.1 | 5.7 | 1242 |
| 900 | | 110 | 8.6 | -8.1 | 3.0 | | 113 | 6.7 | -6.2 | 2.6 | | 114 | 8.6 | -7.9 | 3.5 | | 122 | 9.1 | -7.7 | 4.9 | 999 |
| 925 | | 107 | 8.1 | -7.7 | 2.3 | | 111 | 6.3 | -5.9 | 2.3 | | 115 | 6.8 | -6.2 | 2.9 | | 124 | 7.8 | -6.5 | 4.3 | 762 |
| 950 | | 109 | 6.2 | -5.8 | 2.0 | | 112 | 5.3 | -4.9 | 2.0 | | 121 | 5.3 | -4.6 | 2.7 | | 128 | 6.3 | -5.0 | 3.9 | 529 |
| 975 | | 121 | 4.4 | -3.8 | 2.3 | | 120 | 3.8 | -3.3 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 134 | 5.1 | -3.7 | 3.5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/16 19 0 GMT | | | | 4/16 2327 GMT | | | | 4/17 6 2 GMT | | | | 4/17 1239 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 23.9 | 23.9 | 1.4 | | 285 | 19.5 | 18.8 | -5.0 | | 286 | 23.3 | 22.4 | -6.3 | 19517 |
| 70 | | 288 | 5.5 | 5.3 | -1.7 | | 296 | 7.9 | 7.1 | -3.5 | | 259 | 11.2 | 11.0 | 2.2 | | 269 | 12.9 | 12.8 | .2 | 18589 |
| 80 | | 275 | 10.2 | 10.2 | -.9 | | 284 | 10.9 | 10.6 | -2.6 | | 280 | 10.2 | 10.0 | -1.8 | | 276 | 13.1 | 13.0 | -1.4 | 17801 |
| 90 | | 270 | 13.4 | 13.4 | .0 | | 269 | 17.1 | 17.1 | .3 | | 264 | 12.7 | 12.6 | 1.4 | | 271 | 19.7 | 19.7 | -.3 | 17121 |
| 100 | | 289 | 20.3 | 19.2 | -6.6 | | 282 | 22.4 | 21.9 | -4.8 | | 271 | 17.6 | 17.6 | -.2 | | 279 | 18.8 | 18.6 | -2.8 | 16521 |
| 110 | | 280 | 16.9 | 16.6 | -2.9 | | 267 | 14.7 | 14.7 | .7 | | 272 | 19.7 | 19.7 | -.6 | | 269 | 17.1 | 17.1 | .4 | 15978 |
| 120 | | 239 | 6.6 | 5.6 | 3.4 | | 245 | 7.2 | 6.5 | 3.1 | | 241 | 13.5 | 11.8 | 6.5 | | 243 | 10.6 | 9.4 | 4.7 | 15479 |
| 130 | | 322 | 9.6 | 6.0 | -7.5 | | 317 | 9.3 | 6.4 | -6.8 | | 264 | 8.2 | 8.1 | .9 | | 260 | 9.0 | 8.9 | 1.6 | 15014 |
| 140 | | 316 | 13.6 | 9.4 | -9.8 | | 315 | 12.9 | 9.2 | -9.1 | | 310 | 14.5 | 11.0 | -9.4 | | 298 | 16.2 | 14.4 | -7.5 | 14578 |
| 150 | | 289 | 13.9 | 13.1 | -4.6 | | 302 | 15.6 | 13.2 | -8.3 | | 310 | 18.2 | 14.0 | -11.6 | | 311 | 25.8 | 19.5 | -16.9 | 14167 |
| 160 | | 295 | 15.4 | 14.0 | -6.4 | | 301 | 20.3 | 17.3 | -10.5 | | 304 | 19.7 | 16.4 | -10.9 | | 301 | 22.2 | 19.0 | -11.5 | 13776 |
| 170 | | 305 | 16.2 | 13.2 | -9.4 | | 302 | 20.7 | 17.5 | -10.9 | | 302 | 21.7 | 18.4 | -11.5 | | 290 | 16.4 | 15.4 | -5.5 | 13404 |
| 180 | | 308 | 16.3 | 12.8 | -10.1 | | 297 | 18.7 | 16.7 | -8.3 | | 298 | 19.7 | 17.4 | -9.2 | | 282 | 12.9 | 12.6 | -2.7 | 13049 |
| 190 | | 304 | 17.2 | 14.2 | -9.7 | | 293 | 17.0 | 15.6 | -6.6 | | 293 | 17.3 | 16.0 | -6.6 | | 276 | 12.2 | 12.1 | -1.3 | 12709 |
| 200 | | 306 | 17.1 | 13.8 | -10.1 | | 289 | 14.7 | 13.8 | -4.9 | | 291 | 14.7 | 13.7 | -5.3 | | 282 | 15.2 | 14.9 | -3.1 | 12383 |
| 225 | | 304 | 11.6 | 9.5 | -6.5 | | 297 | 12.3 | 11.0 | -5.5 | | 293 | 13.8 | 12.7 | -5.4 | | 302 | 12.2 | 10.4 | -6.4 | 11617 |
| 250 | | 291 | 10.1 | 9.4 | -3.6 | | 302 | 8.5 | 7.2 | -4.5 | | 285 | 11.0 | 10.6 | -2.8 | | 290 | 8.7 | 8.2 | -2.9 | 10914 |
| 275 | | 278 | 5.5 | 5.4 | -.8 | | 306 | 9.5 | 7.7 | -5.6 | | 300 | 7.6 | 6.6 | -3.8 | | 265 | 8.4 | 8.3 | .7 | 10262 |
| 300 | | 286 | 4.8 | 4.6 | -1.3 | | 290 | 5.8 | 5.5 | -2.0 | | 302 | 7.2 | 6.1 | -3.8 | | 263 | 7.6 | 7.5 | 1.0 | 9654 |
| 325 | | 308 | 5.3 | 4.2 | -3.2 | | 282 | 5.4 | 5.3 | -1.1 | | 286 | 6.4 | 6.2 | -1.8 | | 299 | 8.4 | 7.4 | -4.1 | 9084 |
| 350 | | 284 | 4.9 | 4.8 | -1.2 | | 283 | 5.4 | 5.2 | -1.2 | | 286 | 6.3 | 6.1 | -1.7 | | 296 | 8.3 | 7.5 | -3.6 | 8546 |
| 375 | | 223 | 4.5 | 3.0 | 3.3 | | 238 | 5.3 | 4.6 | 2.8 | | 292 | 7.0 | 6.5 | -2.6 | | 278 | 6.2 | 6.1 | -.9 | 8039 |
| 400 | | 251 | 4.0 | 3.8 | 1.3 | | 240 | 5.4 | 4.7 | 2.7 | | 273 | 7.7 | 7.6 | -.4 | | 261 | 6.7 | 6.6 | 1.1 | 7557 |
| 425 | | 282 | 7.2 | 7.0 | -1.5 | | 262 | 8.7 | 8.6 | 1.1 | | 258 | 6.3 | 6.2 | 1.3 | | 249 | 7.5 | 7.0 | 2.7 | 7099 |
| 450 | | 265 | 3.4 | 3.4 | .3 | | 273 | 8.5 | 8.5 | -.4 | | 260 | 7.3 | 7.2 | 1.3 | | 267 | 7.6 | 7.6 | .4 | 6662 |
| 475 | | 271 | 5.9 | 5.9 | -.1 | | 267 | 5.0 | 5.0 | .3 | | 267 | 7.7 | 7.6 | .4 | | 266 | 8.1 | 8.1 | .6 | 6244 |
| 500 | | 266 | 6.2 | 6.2 | .4 | | 264 | 8.2 | 8.1 | .8 | | 244 | 6.6 | 5.9 | 2.9 | | 256 | 7.8 | 7.6 | 1.9 | 5844 |
| 525 | | 262 | 4.7 | 4.6 | .6 | | 251 | 6.8 | 6.4 | 2.3 | | 235 | 7.3 | 6.0 | 4.2 | | 261 | 7.1 | 7.0 | 1.1 | 5460 |
| 550 | | 268 | 5.1 | 5.1 | .2 | | 256 | 4.7 | 4.6 | 1.1 | | 242 | 5.7 | 5.1 | 2.7 | | 265 | 6.7 | 6.6 | .5 | 5091 |
| 575 | | 247 | 4.9 | 4.5 | 1.9 | | 248 | 4.6 | 4.3 | 1.7 | | 244 | 5.5 | 4.9 | 2.4 | | 250 | 5.3 | 5.0 | 1.8 | 4736 |
| 600 | | 235 | 3.8 | 3.1 | 2.2 | | 231 | 5.1 | 3.9 | 3.2 | | 234 | 4.8 | 3.9 | 2.9 | | 242 | 4.2 | 3.7 | 2.0 | 4393 |
| 625 | | 243 | 4.1 | 3.6 | 1.8 | | 237 | 4.5 | 3.7 | 2.4 | | 243 | 4.0 | 3.5 | 1.8 | | 254 | 4.2 | 4.1 | 1.2 | 4062 |
| 650 | | 233 | 4.6 | 3.7 | 2.8 | | 203 | 4.0 | 1.6 | 3.7 | | 239 | 4.4 | 3.8 | 2.3 | | 215 | 3.9 | 2.3 | 3.2 | 3742 |
| 675 | | 182 | 5.6 | .2 | 5.6 | | 160 | 6.3 | -2.1 | 5.9 | | 177 | 4.3 | -.2 | 4.3 | | 160 | 4.9 | -1.7 | 4.6 | 3431 |
| 700 | | 164 | 8.4 | -2.2 | 8.1 | | 153 | 9.0 | -4.1 | 8.1 | | 152 | 7.6 | -3.6 | 6.7 | | 144 | 6.3 | -3.8 | 5.1 | 3130 |
| 725 | | 168 | 7.7 | -1.7 | 7.5 | | 159 | 8.8 | -3.2 | 8.3 | | 147 | 7.4 | -4.0 | 6.3 | | 147 | 5.2 | -2.8 | 4.4 | 2837 |
| 750 | | 181 | 5.3 | .1 | 5.3 | | 167 | 6.2 | -1.4 | 6.1 | | 157 | 4.9 | -1.9 | 4.5 | | 151 | 3.4 | -1.6 | 3.0 | 2553 |
| 775 | | 196 | 5.0 | 1.4 | 4.8 | | 181 | 4.9 | .1 | 4.9 | | 176 | 3.8 | -.2 | 3.8 | | 140 | 3.0 | -2.0 | 2.3 | 2276 |
| 800 | | 179 | 6.2 | -.1 | 6.2 | | 165 | 5.7 | -1.5 | 5.5 | | 164 | 3.7 | -1.0 | 3.6 | | 127 | 4.5 | -3.6 | 2.7 | 2007 |
| 825 | | 152 | 7.8 | -3.6 | 6.9 | | 141 | 6.6 | -4.1 | 5.2 | | 130 | 4.3 | -3.3 | 2.8 | | 115 | 5.6 | -5.1 | 2.4 | 1745 |
| 850 | | 133 | 8.4 | -6.2 | 5.7 | | 127 | 6.5 | -5.2 | 3.9 | | 107 | 5.7 | -5.4 | 1.7 | | 98 | 5.8 | -5.8 | .8 | 1490 |
| 875 | | 125 | 8.7 | -7.1 | 5.0 | | 122 | 6.1 | -5.2 | 3.3 | | 96 | 5.8 | -5.8 | .6 | | 94 | 5.9 | -5.9 | .4 | 1242 |
| 900 | | 126 | 8.6 | -6.9 | 5.0 | | 125 | 5.1 | -4.2 | 3.0 | | 93 | 4.8 | -4.8 | .3 | | 102 | 5.7 | -5.6 | 1.2 | 999 |
| 925 | | 127 | 7.7 | -6.2 | 4.7 | | 132 | 4.3 | -3.2 | 2.9 | | 100 | 3.9 | -3.8 | .7 | | 108 | 5.0 | -4.8 | 1.5 | 762 |
| 950 | | 128 | 6.3 | -4.9 | 3.9 | | 137 | 4.0 | -2.8 | 2.9 | | 105 | 3.1 | -3.0 | .8 | | 112 | 4.3 | -4.0 | 1.6 | 529 |
| 975 | | 131 | 4.9 | -3.7 | 3.2 | | 132 | 3.4 | -2.5 | 2.3 | | 96 | 3.2 | -3.2 | .3 | | 119 | 4.1 | -3.6 | 2.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/17 1715 GMT | | | | 4/17 1945 GMT | | | | 4/17 23 0 GMT | | | | 4/18 145 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 15.7 | 14.5 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 275 | 16.1 | 16.0 | -1.5 | | 277 | 16.2 | 16.1 | -2.1 | | 270 | 13.4 | 13.4 | .1 | | 271 | 13.5 | 13.5 | -.2 | 18589 |
| 80 | | 264 | 12.2 | 12.1 | 1.2 | | 275 | 19.4 | 19.3 | -1.8 | | 248 | 12.3 | 11.4 | 4.6 | | 249 | 12.9 | 12.1 | 4.6 | 17801 |
| 90 | | 282 | 13.0 | 12.7 | -2.6 | | 273 | 20.9 | 20.9 | -1.0 | | 259 | 13.6 | 13.4 | 2.6 | | 260 | 13.4 | 13.2 | 2.3 | 17121 |
| 100 | | 274 | 17.6 | 17.5 | -1.3 | 3 | 267 | 12.2 | 12.2 | .7 | | 280 | 16.3 | 16.0 | -2.9 | | 276 | 14.2 | 14.2 | -1.5 | 16521 |
| 110 | | 272 | 17.1 | 17.1 | -.6 | 0 | 290 | 3.3 | 3.1 | -1.1 | | 276 | 17.6 | 17.5 | -1.7 | | 276 | 17.6 | 17.5 | -1.8 | 15978 |
| 120 | | 254 | 15.5 | 14.9 | 4.2 | 1 | 272 | 5.5 | 5.5 | -.2 | | 274 | 16.6 | 16.5 | -1.3 | | 270 | 16.4 | 16.4 | .1 | 15479 |
| 130 | | 245 | 12.8 | 11.6 | 5.3 | 3 | 257 | 12.0 | 11.7 | 2.7 | | 258 | 13.1 | 12.8 | 2.7 | | 256 | 12.3 | 11.9 | 3.1 | 15014 |
| 140 | | 261 | 12.0 | 11.8 | 1.9 | | 278 | 12.1 | 12.0 | -1.6 | | 275 | 10.5 | 10.5 | -.9 | | 295 | 7.9 | 7.2 | -3.4 | 14578 |
| 150 | | 304 | 15.7 | 13.0 | -8.9 | | 312 | 21.2 | 15.8 | -14.1 | | 317 | 15.3 | 10.4 | -11.3 | | 317 | 19.0 | 13.0 | -13.9 | 14167 |
| 160 | | 314 | 24.9 | 17.9 | -17.3 | | 310 | 25.8 | 19.7 | -16.7 | | 312 | 23.1 | 17.1 | -15.5 | | 310 | 23.1 | 17.6 | -14.9 | 13776 |
| 170 | | 308 | 25.0 | 19.7 | -15.3 | | 306 | 22.5 | 18.3 | -13.1 | | 304 | 24.2 | 20.1 | -13.5 | | 307 | 21.8 | 17.4 | -13.0 | 13404 |
| 180 | | 300 | 19.7 | 17.0 | -9.9 | | 303 | 18.9 | 15.9 | -10.3 | | 301 | 22.3 | 19.2 | -11.5 | | 305 | 22.4 | 18.3 | -12.9 | 13049 |
| 190 | | 294 | 14.1 | 12.9 | -5.8 | | 298 | 14.5 | 12.8 | -6.8 | | 299 | 21.1 | 18.4 | -10.3 | | 301 | 18.8 | 16.2 | -9.7 | 12709 |
| 200 | | 283 | 11.4 | 11.1 | -2.6 | | 286 | 11.3 | 10.9 | -3.1 | | 297 | 18.7 | 16.7 | -8.4 | | 297 | 17.5 | 15.7 | -7.9 | 12383 |
| 225 | | 294 | 12.5 | 11.4 | -5.1 | | 292 | 12.8 | 11.9 | -4.8 | | 280 | 12.2 | 12.0 | -2.1 | | 280 | 12.3 | 12.1 | -2.1 | 11617 |
| 250 | | 298 | 9.6 | 8.5 | -4.5 | | 267 | 6.9 | 6.9 | .4 | | 294 | 11.9 | 10.9 | -4.9 | | 287 | 16.7 | 15.9 | -4.9 | 10914 |
| 275 | | 277 | 7.3 | 7.3 | -.9 | | 268 | 6.0 | 6.0 | .3 | | 301 | 8.0 | 6.9 | -4.1 | | 307 | 6.3 | 5.0 | -3.8 | 10262 |
| 300 | | 270 | 6.7 | 6.7 | .0 | | 262 | 5.6 | 5.5 | .8 | | 275 | 6.2 | 6.2 | -.5 | | 307 | 4.8 | 3.8 | -2.9 | 9654 |
| 325 | | 277 | 5.1 | 5.0 | -.6 | | 304 | 5.1 | 4.2 | -2.9 | | 266 | 4.9 | 4.9 | .4 | | 264 | 4.9 | 4.8 | .5 | 9084 |
| 350 | | 303 | 5.9 | 4.9 | -3.2 | | 310 | 4.8 | 3.7 | -3.0 | 3 | 261 | 4.8 | 4.7 | .8 | | 224 | 5.3 | 3.7 | 3.8 | 8546 |
| 375 | | 313 | 6.9 | 5.1 | -4.7 | | 291 | 5.0 | 4.7 | -1.8 | | 259 | 5.0 | 4.9 | .9 | | 213 | 6.8 | 3.7 | 5.7 | 8039 |
| 400 | | 255 | 3.6 | 3.4 | .9 | | 261 | 4.7 | 4.7 | .8 | | 266 | .9 | .9 | .1 | | 204 | 5.1 | 2.1 | 4.7 | 7557 |
| 425 | | 241 | 7.1 | 6.2 | 3.4 | | 238 | 6.4 | 5.4 | 3.3 | | 228 | 7.3 | 5.4 | 4.9 | | 222 | 8.0 | 5.3 | 6.0 | 7099 |
| 450 | | 246 | 5.8 | 5.3 | 2.4 | | 236 | 4.5 | 3.7 | 2.5 | | 234 | 5.6 | 4.5 | 3.3 | | 239 | 4.8 | 4.1 | 2.5 | 6662 |
| 475 | | 244 | 5.5 | 4.9 | 2.4 | | 218 | 2.9 | 1.8 | 2.3 | | 233 | 2.9 | 2.3 | 1.7 | | 245 | 4.7 | 4.3 | 2.0 | 6244 |
| 500 | | 249 | 3.9 | 3.6 | 1.4 | | 255 | 4.4 | 4.2 | 1.1 | | 252 | 5.2 | 5.0 | 1.6 | | 286 | 4.9 | 4.7 | -1.4 | 5844 |
| 525 | | 260 | 5.5 | 5.4 | .9 | | 270 | 5.0 | 5.0 | .0 | | 246 | 5.9 | 5.4 | 2.4 | | 261 | 3.7 | 3.6 | .6 | 5460 |
| 550 | | 271 | 6.1 | 6.1 | -.1 | | 266 | 4.2 | 4.2 | .3 | | 237 | 3.5 | 3.0 | 1.9 | | 214 | 2.5 | 1.4 | 2.1 | 5091 |
| 575 | | 262 | 4.9 | 4.9 | .7 | | 194 | 3.3 | .8 | 3.2 | | 232 | 2.9 | 2.3 | 1.8 | | 269 | 3.4 | 3.4 | .1 | 4736 |
| 600 | | 216 | 4.7 | 2.7 | 3.8 | | 148 | 1.8 | -1.0 | 1.5 | | 192 | 3.8 | .8 | 3.7 | | 263 | 2.5 | 2.5 | .3 | 4393 |
| 625 | | 235 | 3.2 | 2.6 | 1.8 | | 118 | .9 | -.8 | .4 | | 203 | 1.4 | .5 | 1.3 | | 224 | 1.5 | 1.0 | 1.1 | 4062 |
| 650 | | 246 | 1.9 | 1.7 | .8 | | 193 | .6 | .1 | .6 | | 321 | .5 | .3 | -.4 | | 310 | 1.9 | 1.5 | -1.2 | 3742 |
| 675 | | 151 | 2.9 | -1.4 | 2.6 | | 135 | 3.3 | -2.4 | 2.3 | | 119 | 2.8 | -2.5 | 1.4 | | 159 | 1.2 | -.4 | 1.1 | 3431 |
| 700 | | 135 | 5.5 | -3.9 | 3.9 | | 122 | 6.5 | -5.5 | 3.5 | | 116 | 6.3 | -5.7 | 2.7 | | 117 | 5.7 | -5.1 | 2.6 | 3130 |
| 725 | | 141 | 5.5 | -3.5 | 4.2 | | 125 | 6.0 | -4.9 | 3.5 | | 129 | 6.0 | -4.7 | 3.8 | | 124 | 5.8 | -4.8 | 3.3 | 2837 |
| 750 | | 132 | 4.1 | -3.0 | 2.7 | | 130 | 4.1 | -3.2 | 2.7 | | 141 | 3.9 | -2.5 | 3.0 | | 136 | 4.1 | -2.9 | 3.0 | 2553 |
| 775 | | 112 | 3.2 | -2.9 | 1.2 | | 108 | 3.4 | -3.3 | 1.1 | | 122 | 2.6 | -2.2 | 1.3 | | 117 | 3.4 | -3.1 | 1.6 | 2276 |
| 800 | | 108 | 3.8 | -3.7 | 1.2 | | 101 | 5.1 | -5.1 | .9 | | 106 | 3.4 | -3.3 | 1.0 | | 88 | 3.9 | -3.9 | -.2 | 2007 |
| 825 | | 105 | 5.6 | -5.4 | 1.4 | | 109 | 6.6 | -6.2 | 2.2 | | 91 | 5.5 | -5.5 | .1 | | 73 | 4.4 | -4.2 | -1.3 | 1745 |
| 850 | | 98 | 6.0 | -6.0 | .8 | | 105 | 6.4 | -6.2 | 1.6 | | 77 | 6.8 | -6.7 | -1.5 | | 68 | 5.6 | -5.2 | -2.1 | 1490 |
| 875 | | 90 | 5.7 | -5.7 | .0 | | 85 | 6.2 | -6.2 | -.6 | | 65 | 6.6 | -6.0 | -2.8 | | 64 | 6.8 | -6.1 | -2.9 | 1242 |
| 900 | | 85 | 5.5 | -5.5 | -.5 | | 79 | 6.7 | -6.6 | -1.3 | | 60 | 5.8 | -5.0 | -2.9 | | 64 | 6.8 | -6.1 | -3.0 | 999 |
| 925 | | 83 | 5.2 | -5.1 | -.7 | | 82 | 4.6 | -4.6 | -.7 | | 70 | 5.0 | -4.7 | -1.7 | | 69 | 5.6 | -5.2 | -2.0 | 762 |
| 950 | | 86 | 4.7 | -4.7 | -.3 | | 84 | 1.9 | -1.9 | -.2 | | 85 | 4.4 | -4.4 | -.4 | | 83 | 4.4 | -4.3 | -.5 | 529 |
| 975 | | 98 | 3.9 | -3.9 | .6 | | 100 | 5.1 | -5.0 | .9 | | 93 | 3.7 | -3.7 | .2 | | 97 | 4.8 | -4.8 | .6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/18 5 0 GMT | | | | 4/18 1159 GMT | | | | 4/18 1810 GMT | | | | 4/18 2357 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 266 | 17.1 | 17.0 | 1.2 | | 256 | 13.7 | 13.3 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 14.6 | 14.2 | 3.6 | 19517 |
| 70 | | 280 | 10.8 | 10.7 | -1.8 | | 258 | 16.7 | 16.4 | 3.4 | | 267 | 14.7 | 14.7 | .8 | | 265 | 13.2 | 13.1 | 1.1 | 18589 |
| 80 | | 253 | 14.8 | 14.2 | 4.4 | | 258 | 12.5 | 12.2 | 2.5 | | 271 | 14.8 | 14.8 | -.2 | | 276 | 11.1 | 11.0 | -1.2 | 17801 |
| 90 | | 256 | 12.8 | 12.4 | 3.1 | | 271 | 14.0 | 14.0 | -.2 | | 275 | 10.2 | 10.2 | -.9 | | 252 | 17.7 | 16.9 | 5.4 | 17121 |
| 100 | | 274 | 16.4 | 16.4 | -1.3 | | 246 | 20.4 | 18.6 | 8.4 | | 255 | 11.8 | 11.4 | 3.1 | | 252 | 19.3 | 18.4 | 5.8 | 16521 |
| 110 | | 274 | 18.4 | 18.3 | -1.2 | | 254 | 18.3 | 17.5 | 5.1 | | 250 | 19.8 | 18.7 | 6.7 | | 263 | 24.1 | 23.9 | 3.1 | 15978 |
| 120 | | 265 | 14.2 | 14.2 | 1.3 | | 270 | 17.4 | 17.4 | .1 | | 256 | 18.2 | 17.6 | 4.5 | | 253 | 24.3 | 23.3 | 6.9 | 15479 |
| 130 | | 270 | 8.0 | 8.0 | -.0 | | 258 | 14.1 | 13.8 | 3.0 | | 266 | 20.2 | 20.2 | 1.5 | | 246 | 19.5 | 17.9 | 7.8 | 15014 |
| 140 | | 314 | 8.0 | 5.7 | -5.5 | | 263 | 7.7 | 7.7 | 1.0 | | 263 | 18.1 | 18.0 | 2.1 | | 240 | 13.9 | 12.0 | 7.0 | 14578 |
| 150 | | 318 | 18.9 | 12.7 | -14.1 | | 321 | 9.9 | 6.2 | -7.8 | | 255 | 14.8 | 14.3 | 3.9 | | 252 | 7.9 | 7.5 | 2.5 | 14167 |
| 160 | | 315 | 27.0 | 19.2 | -19.0 | | 324 | 20.3 | 12.0 | -16.4 | | 242 | 12.2 | 10.7 | 5.8 | | 316 | 9.8 | 6.8 | -7.1 | 13776 |
| 170 | | 313 | 25.4 | 18.7 | -17.2 | | 319 | 25.1 | 16.5 | -18.9 | | 245 | 7.7 | 7.0 | 3.3 | | 321 | 17.5 | 10.9 | -13.7 | 13404 |
| 180 | | 312 | 19.8 | 14.8 | -13.3 | | 318 | 24.9 | 16.6 | -18.6 | | 303 | 7.7 | 6.4 | -4.2 | | 318 | 20.9 | 13.9 | -15.5 | 13049 |
| 190 | | 307 | 15.9 | 12.8 | -9.5 | | 319 | 23.4 | 15.5 | -17.6 | | 315 | 15.1 | 10.7 | -10.7 | | 317 | 23.1 | 15.6 | -17.0 | 12709 |
| 200 | | 297 | 16.7 | 14.9 | -7.5 | | 317 | 18.3 | 12.5 | -13.4 | | 311 | 19.7 | 14.8 | -13.1 | | 318 | 21.3 | 14.3 | -15.8 | 12383 |
| 225 | | 292 | 19.4 | 17.9 | -7.3 | | 314 | 9.8 | 7.0 | -6.8 | | 313 | 17.4 | 12.7 | -11.9 | | 293 | 10.8 | 9.9 | -4.2 | 11617 |
| 250 | | 290 | 10.0 | 9.4 | -3.3 | | 305 | 13.1 | 10.7 | -7.6 | | 305 | 10.6 | 8.7 | -6.0 | | 292 | 14.6 | 13.6 | -5.5 | 10914 |
| 275 | | 271 | 6.5 | 6.5 | -.1 | | 306 | 11.7 | 9.4 | -6.9 | | 298 | 12.0 | 10.6 | -5.6 | | 289 | 13.7 | 12.9 | -4.4 | 10262 |
| 300 | | 293 | 3.0 | 2.8 | -1.2 | | 306 | 10.0 | 8.0 | -5.9 | | 292 | 7.3 | 6.8 | -2.8 | | 277 | 12.3 | 12.2 | -1.4 | 9654 |
| 325 | | 224 | 3.5 | 2.4 | 2.5 | | 287 | 4.9 | 4.7 | -1.4 | 2 | 291 | 9.7 | 9.1 | -3.5 | | 252 | 8.3 | 7.9 | 2.5 | 9084 |
| 350 | | 224 | 6.6 | 4.6 | 4.8 | | 203 | 3.2 | 1.3 | 3.0 | | 282 | 8.8 | 8.6 | -1.8 | | 242 | 5.8 | 5.1 | 2.7 | 8546 |
| 375 | | 230 | 5.5 | 4.3 | 3.5 | | 214 | 6.2 | 3.5 | 5.2 | | 279 | 4.7 | 4.6 | -.8 | | 241 | 6.6 | 5.8 | 3.2 | 8039 |
| 400 | | 232 | 5.3 | 4.2 | 3.3 | | 204 | 5.8 | 2.4 | 5.3 | | 250 | 2.3 | 2.2 | .8 | | 244 | 6.0 | 5.4 | 2.6 | 7557 |
| 425 | | 227 | 7.4 | 5.4 | 5.1 | | 229 | 10.2 | 7.7 | 6.7 | | 218 | 5.2 | 3.2 | 4.1 | | 243 | 6.7 | 6.0 | 3.1 | 7099 |
| 450 | | 243 | 5.7 | 5.1 | 2.6 | | 253 | 5.3 | 5.1 | 1.5 | | 210 | 5.5 | 2.8 | 4.8 | | 226 | 5.3 | 3.8 | 3.7 | 6662 |
| 475 | | 258 | 3.9 | 3.8 | .8 | | 290 | 3.5 | 3.3 | -1.2 | | 227 | 5.4 | 3.9 | 3.7 | | 213 | 3.1 | 1.7 | 2.6 | 6244 |
| 500 | | 264 | 3.7 | 3.7 | .4 | | 290 | 4.9 | 4.6 | -1.7 | | 229 | 3.0 | 2.3 | 2.0 | | 226 | 3.1 | 2.2 | 2.2 | 5844 |
| 525 | | 246 | 3.8 | 3.5 | 1.6 | | 272 | 7.3 | 7.3 | -.3 | | 262 | 3.2 | 3.2 | .5 | | 233 | 4.2 | 3.4 | 2.5 | 5460 |
| 550 | | 212 | 3.4 | 1.8 | 2.9 | | 257 | 5.2 | 5.1 | 1.1 | | 263 | 6.9 | 6.9 | .8 | | 232 | 4.6 | 3.6 | 2.9 | 5091 |
| 575 | | 216 | 1.8 | 1.1 | 1.5 | | 276 | 1.8 | 1.8 | -.2 | | 259 | 6.8 | 6.7 | 1.3 | | 217 | 3.4 | 2.1 | 2.7 | 4736 |
| 600 | | 242 | 1.7 | 1.5 | .8 | | 290 | 3.4 | 3.2 | -1.2 | | 292 | 2.8 | 2.6 | -1.0 | | 193 | 1.7 | .4 | 1.7 | 4393 |
| 625 | | 263 | 1.0 | 1.0 | .1 | | 277 | 2.1 | 2.1 | -.3 | | 58 | 1.4 | -1.2 | -.8 | | 115 | 1.1 | -1.0 | .5 | 4062 |
| 650 | | 328 | 1.7 | .9 | -1.4 | | 6 | .8 | -.1 | -.8 | | 79 | 2.5 | -2.5 | -.5 | | 86 | 2.3 | -2.3 | -.2 | 3742 |
| 675 | | 68 | 1.3 | -1.2 | -.5 | | 93 | .6 | -.6 | .0 | | 73 | 3.2 | -3.1 | -.9 | | 69 | 4.4 | -4.1 | -1.6 | 3431 |
| 700 | | 98 | 5.3 | -5.2 | .7 | | 92 | 4.5 | -4.5 | .2 | | 81 | 5.1 | -5.0 | -.8 | | 67 | 6.2 | -5.8 | -2.4 | 3130 |
| 725 | | 104 | 6.9 | -6.6 | 1.7 | | 84 | 6.8 | -6.8 | -.7 | | 88 | 5.7 | -5.7 | -.2 | | 78 | 7.1 | -6.9 | -1.5 | 2837 |
| 750 | | 109 | 5.0 | -4.8 | 1.6 | | 84 | 5.5 | -5.5 | -.6 | | 83 | 6.8 | -6.8 | -.8 | | 78 | 8.6 | -8.4 | -1.8 | 2553 |
| 775 | | 96 | 4.1 | -4.1 | .5 | | 73 | 5.7 | -5.5 | -1.6 | | 78 | 7.6 | -7.4 | -1.5 | | 73 | 9.9 | -9.4 | -2.9 | 2276 |
| 800 | | 79 | 5.3 | -5.2 | -1.0 | | 62 | 6.1 | -5.4 | -2.8 | | 75 | 7.2 | -7.0 | -1.8 | | 67 | 10.1 | -9.3 | -3.9 | 2007 |
| 825 | | 62 | 6.6 | -5.8 | -3.1 | | 58 | 5.8 | -4.9 | -3.0 | | 64 | 7.2 | -6.5 | -3.1 | | 61 | 9.6 | -8.4 | -4.7 | 1745 |
| 850 | | 52 | 7.4 | -5.8 | -4.5 | | 63 | 6.4 | -5.7 | -2.9 | | 54 | 7.9 | -6.4 | -4.6 | | 55 | 9.4 | -7.6 | -5.4 | 1490 |
| 875 | | 52 | 7.7 | -6.0 | -4.8 | | 68 | 8.3 | -7.7 | -3.2 | | 57 | 8.5 | -7.1 | -4.6 | | 50 | 9.7 | -7.4 | -6.3 | 1242 |
| 900 | | 57 | 7.6 | -6.4 | -4.2 | | 69 | 9.5 | -8.8 | -3.4 | | 67 | 8.7 | -8.0 | -3.4 | | 48 | 9.5 | -7.1 | -6.3 | 999 |
| 925 | | 65 | 6.7 | -6.1 | -2.8 | | 70 | 8.7 | -8.2 | -3.0 | | 75 | 8.5 | -8.2 | -2.2 | | 52 | 9.1 | -7.2 | -5.6 | 762 |
| 950 | | 74 | 5.8 | -5.6 | -1.6 | | 73 | 6.9 | -6.6 | -2.1 | | 81 | 8.0 | -7.9 | -1.2 | | 60 | 8.6 | -7.4 | -4.3 | 529 |
| 975 | | 79 | 6.5 | -6.4 | -1.2 | | 83 | 5.4 | -5.4 | -.7 | | 85 | 7.8 | -7.8 | -.6 | | 70 | 6.8 | -6.4 | -2.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/19 556 GMT | | | | 4/19 1239 GMT | | | | 4/19 1725 GMT | | | | 4/19 1950 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 14.4 | 13.9 | -3.8 | | 278 | 14.5 | 14.4 | -2.1 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 10.0 | 9.5 | 2.9 | | 264 | 8.7 | 8.6 | .9 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 13.1 | 12.9 | -2.3 | | 275 | 9.7 | 9.6 | -.9 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 22.9 | 22.7 | 2.3 | | 275 | 16.7 | 16.6 | -1.5 | | 274 | 16.1 | 16.1 | -1.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 27.4 | 27.2 | 3.7 | | 272 | 17.6 | 17.6 | -.5 | | 282 | 13.0 | 12.7 | -2.7 | 15978 |
| 120 | | 260 | 27.8 | 27.4 | 5.0 | | 261 | 29.3 | 29.0 | 4.4 | | 267 | 23.1 | 23.1 | 1.2 | | 269 | 18.0 | 18.0 | .3 | 15479 |
| 130 | | 254 | 24.7 | 23.7 | 7.0 | | 257 | 27.3 | 26.5 | 6.4 | | 265 | 27.4 | 27.3 | 2.4 | | 265 | 24.3 | 24.2 | 2.0 | 15014 |
| 140 | | 248 | 20.4 | 18.9 | 7.8 | | 246 | 23.6 | 21.4 | 9.8 | | 256 | 27.2 | 26.4 | 6.4 | | 254 | 23.5 | 22.6 | 6.7 | 14578 |
| 150 | | 246 | 14.3 | 13.1 | 5.8 | | 237 | 19.5 | 16.4 | 10.5 | | 245 | 23.5 | 21.3 | 9.8 | | 242 | 22.4 | 19.8 | 10.5 | 14167 |
| 160 | | 268 | 8.8 | 8.8 | .3 | | 243 | 13.7 | 12.2 | 6.2 | | 238 | 18.4 | 15.7 | 9.7 | | 241 | 20.7 | 18.1 | 10.0 | 13776 |
| 170 | | 316 | 11.2 | 7.8 | -8.0 | | 271 | 9.7 | 9.7 | -.2 | | 247 | 13.0 | 12.0 | 5.0 | | 250 | 14.2 | 13.3 | 4.9 | 13404 |
| 180 | | 324 | 16.6 | 9.8 | -13.4 | | 301 | 11.0 | 9.5 | -5.6 | | 276 | 9.6 | 9.6 | -1.0 | | 275 | 11.0 | 11.0 | -.9 | 13049 |
| 190 | | 312 | 16.6 | 12.2 | -11.2 | | 306 | 13.7 | 11.1 | -8.0 | | 299 | 11.2 | 9.8 | -5.4 | | 299 | 13.5 | 11.7 | -6.6 | 12709 |
| 200 | | 293 | 14.4 | 13.3 | -5.6 | | 302 | 14.0 | 11.8 | -7.4 | | 306 | 15.6 | 12.6 | -9.3 | | 307 | 16.5 | 13.2 | -9.9 | 12383 |
| 225 | | 293 | 12.1 | 11.2 | -4.8 | | 298 | 11.2 | 10.0 | -5.2 | | 285 | 14.3 | 13.8 | -3.7 | | 285 | 15.1 | 14.6 | -3.9 | 11617 |
| 250 | | 293 | 14.0 | 12.9 | -5.5 | | 262 | 8.9 | 8.8 | 1.3 | | 270 | 11.7 | 11.7 | .1 | | 267 | 13.3 | 13.3 | .7 | 10914 |
| 275 | | 285 | 13.1 | 12.7 | -3.3 | | 253 | 8.9 | 8.5 | 2.6 | | 245 | 11.3 | 10.3 | 4.7 | | 268 | 11.2 | 11.2 | .4 | 10262 |
| 300 | | 280 | 12.2 | 12.1 | -2.1 | | 289 | 9.9 | 9.4 | -3.3 | | 237 | 9.7 | 8.1 | 5.3 | | 260 | 10.7 | 10.5 | 1.8 | 9654 |
| 325 | | 262 | 8.5 | 8.4 | 1.2 | | 294 | 8.5 | 7.8 | -3.5 | | 255 | 6.1 | 5.9 | 1.5 | | 235 | 7.1 | 5.8 | 4.1 | 9084 |
| 350 | | 251 | 4.5 | 4.3 | 1.4 | | 271 | 4.4 | 4.4 | -.1 | | 286 | 7.0 | 6.8 | -2.0 | | 270 | 4.4 | 4.4 | -.0 | 8546 |
| 375 | | 248 | 6.1 | 5.7 | 2.3 | | 259 | 5.3 | 5.3 | 1.0 | | 261 | 6.0 | 5.9 | .9 | | 288 | 6.5 | 6.2 | -2.0 | 8039 |
| 400 | | 226 | 7.4 | 5.3 | 5.2 | | 243 | 7.0 | 6.2 | 3.2 | | 238 | 5.9 | 5.0 | 3.1 | | 253 | 5.7 | 5.4 | 1.6 | 7557 |
| 425 | | 214 | 6.8 | 3.8 | 5.6 | | 222 | 5.6 | 3.7 | 4.2 | | 243 | 7.0 | 6.3 | 3.2 | | 241 | 7.7 | 6.7 | 3.8 | 7099 |
| 450 | | 227 | 5.5 | 4.0 | 3.7 | | 233 | 5.6 | 4.5 | 3.4 | | 214 | 5.8 | 3.3 | 4.8 | | 225 | 7.3 | 5.1 | 5.2 | 6662 |
| 475 | | 238 | 3.5 | 2.9 | 1.8 | | 258 | 5.4 | 5.3 | 1.2 | | 234 | 4.1 | 3.3 | 2.4 | | 215 | 6.4 | 3.7 | 5.2 | 6244 |
| 500 | | 218 | 3.7 | 2.3 | 2.9 | | 252 | 3.4 | 3.3 | 1.0 | | 280 | 3.8 | 3.8 | -.7 | | 250 | 3.9 | 3.6 | 1.4 | 5844 |
| 525 | | 222 | 5.6 | 3.7 | 4.1 | | 227 | 3.6 | 2.6 | 2.4 | | 277 | 3.6 | 3.5 | -.4 | | 301 | 3.0 | 2.6 | -1.5 | 5460 |
| 550 | | 235 | 5.1 | 4.2 | 2.9 | | 234 | 4.6 | 3.7 | 2.7 | | 256 | 4.1 | 4.0 | 1.0 | | 291 | 3.0 | 2.8 | -1.1 | 5091 |
| 575 | | 233 | 3.9 | 3.1 | 2.3 | | 240 | 4.0 | 3.5 | 2.0 | | 265 | 2.8 | 2.8 | .3 | | 271 | 3.7 | 3.7 | -.0 | 4736 |
| 600 | | 204 | 2.6 | 1.1 | 2.4 | | 237 | 2.2 | 1.9 | 1.2 | | 337 | 1.0 | .4 | -1.0 | | 274 | 1.6 | 1.6 | -.1 | 4393 |
| 625 | | 124 | 2.2 | -1.8 | 1.2 | | 86 | 1.6 | -1.6 | -.1 | | 76 | 3.8 | -3.6 | -.9 | | 111 | 4.0 | -3.7 | 1.4 | 4062 |
| 650 | | 87 | 3.7 | -3.7 | -.2 | | 74 | 5.2 | -5.0 | -1.4 | | 84 | 7.0 | -7.0 | -.7 | | 103 | 5.1 | -4.9 | 1.1 | 3742 |
| 675 | | 68 | 4.9 | -4.5 | -1.8 | | 70 | 6.5 | -6.1 | -2.2 | | 80 | 7.1 | -7.0 | -1.2 | | 85 | 5.6 | -5.6 | -.5 | 3431 |
| 700 | | 61 | 6.9 | -6.1 | -3.3 | | 69 | 7.1 | -6.6 | -2.5 | | 78 | 8.2 | -8.0 | -1.8 | | 78 | 8.9 | -8.7 | -1.9 | 3130 |
| 725 | | 64 | 9.2 | -8.3 | -4.1 | | 73 | 8.2 | -7.9 | -2.4 | | 81 | 10.2 | -10.0 | -1.7 | | 80 | 12.2 | -12.0 | -2.0 | 2837 |
| 750 | | 62 | 10.7 | -9.4 | -5.1 | | 76 | 9.7 | -9.4 | -2.3 | | 84 | 11.5 | -11.5 | -1.1 | | 88 | 12.1 | -12.1 | -.4 | 2553 |
| 775 | | 58 | 11.2 | -9.4 | -6.0 | | 78 | 11.2 | -11.0 | -2.4 | | 88 | 11.8 | -11.8 | -.4 | | 97 | 11.3 | -11.2 | 1.3 | 2276 |
| 800 | | 55 | 11.4 | -9.4 | -6.5 | | 81 | 11.8 | -11.7 | -1.8 | | 89 | 11.6 | -11.6 | -.1 | | 111 | 12.1 | -11.3 | 4.3 | 2007 |
| 825 | | 53 | 11.8 | -9.4 | -7.1 | | 83 | 11.1 | -11.0 | -1.4 | | 86 | 11.7 | -11.7 | -.8 | | 106 | 11.4 | -11.0 | 3.2 | 1745 |
| 850 | | 52 | 12.0 | -9.4 | -7.5 | | 75 | 10.7 | -10.3 | -2.8 | | 84 | 12.2 | -12.1 | -1.4 | | 81 | 10.8 | -10.6 | -1.7 | 1490 |
| 875 | | 55 | 11.8 | -9.6 | -6.8 | | 68 | 11.2 | -10.4 | -4.1 | | 84 | 12.3 | -12.2 | -1.3 | | 71 | 11.7 | -11.1 | -3.8 | 1242 |
| 900 | | 59 | 10.9 | -9.3 | -5.5 | | 72 | 11.1 | -10.5 | -3.4 | | 87 | 11.3 | -11.2 | -.5 | | 84 | 12.1 | -12.0 | -1.3 | 999 |
| 925 | | 64 | 9.3 | -8.3 | -4.2 | | 83 | 9.9 | -9.8 | -1.2 | | 94 | 9.0 | -9.0 | .7 | | 97 | 12.2 | -12.1 | 1.5 | 762 |
| 950 | | 74 | 8.5 | -8.2 | -2.3 | | 91 | 8.8 | -8.8 | .1 | | 102 | 7.5 | -7.3 | 1.5 | | 107 | 11.9 | -11.3 | 3.4 | 529 |
| 975 | | 86 | 9.0 | -9.0 | -.6 | | 91 | 7.8 | -7.8 | .2 | | 103 | 7.3 | -7.1 | 1.6 | | 111 | 10.3 | -9.6 | 3.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/19 2330 GMT | | | | 4/20 2 0 GMT | | | | 4/20 527 GMT | | | | 4/20 1216 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 252 | 14.6 | 13.9 | 4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 14.0 | 12.9 | 5.2 | | 254 | 14.5 | 13.9 | 3.9 | 19517 |
| 70 | | 268 | 15.1 | 15.0 | .5 | | 263 | 17.2 | 17.0 | 2.0 | | 267 | 13.4 | 13.4 | .6 | | 258 | 11.8 | 11.6 | 2.5 | 18589 |
| 80 | | 260 | 9.9 | 9.7 | 1.7 | | 270 | 10.6 | 10.6 | -.0 | | 278 | 8.7 | 8.6 | -1.2 | | 285 | 9.2 | 8.9 | -2.3 | 17801 |
| 90 | | 278 | 11.0 | 10.9 | -1.5 | | 268 | 9.3 | 9.3 | .3 | | 278 | 9.2 | 9.1 | -1.2 | | 286 | 13.8 | 13.2 | -3.9 | 17121 |
| 100 | | 281 | 13.3 | 13.1 | -2.6 | | 278 | 12.8 | 12.7 | -1.7 | | 274 | 14.6 | 14.6 | -1.0 | | 277 | 15.0 | 14.9 | -1.9 | 16521 |
| 110 | | 274 | 12.5 | 12.5 | -.9 | | 269 | 13.5 | 13.5 | .2 | | 272 | 15.2 | 15.1 | -.5 | | 267 | 13.3 | 13.3 | .7 | 15978 |
| 120 | | 277 | 16.3 | 16.2 | -1.9 | | 271 | 15.7 | 15.7 | -.3 | | 283 | 14.0 | 13.7 | -3.3 | | 276 | 14.8 | 14.8 | -1.4 | 15479 |
| 130 | | 276 | 22.0 | 21.9 | -2.1 | | 286 | 18.4 | 17.6 | -5.2 | | 286 | 19.4 | 18.7 | -5.3 | | 278 | 22.1 | 21.9 | -3.0 | 15014 |
| 140 | | 264 | 25.2 | 25.0 | 2.8 | | 274 | 24.5 | 24.4 | -1.5 | | 270 | 25.5 | 25.5 | -.2 | | 267 | 25.0 | 24.9 | 1.1 | 14578 |
| 150 | | 251 | 23.3 | 22.0 | 7.7 | | 258 | 25.6 | 25.1 | 5.4 | | 259 | 24.4 | 23.9 | 4.8 | | 260 | 21.3 | 21.0 | 3.9 | 14167 |
| 160 | | 248 | 20.2 | 18.7 | 7.7 | | 248 | 23.6 | 21.9 | 8.8 | | 254 | 18.3 | 17.6 | 5.0 | | 262 | 17.2 | 17.0 | 2.5 | 13776 |
| 170 | 1 | 259 | 15.6 | 15.3 | 2.9 | | 245 | 18.9 | 17.2 | 7.9 | | 256 | 12.2 | 11.9 | 2.9 | | 273 | 15.4 | 15.3 | -.7 | 13404 |
| 180 | 0 | 276 | 12.3 | 12.3 | -1.3 | | 256 | 13.1 | 12.7 | 3.2 | | 271 | 10.4 | 10.4 | -.1 | | 285 | 16.2 | 15.6 | -4.2 | 13049 |
| 190 | 1 | 290 | 11.3 | 10.6 | -3.8 | | 282 | 10.7 | 10.5 | -2.3 | | 287 | 13.1 | 12.5 | -3.9 | | 291 | 17.6 | 16.5 | -6.2 | 12709 |
| 200 | 3 | 300 | 12.0 | 10.4 | -6.0 | | 300 | 12.9 | 11.2 | -6.5 | | 294 | 16.6 | 15.1 | -6.8 | | 291 | 18.3 | 17.1 | -6.5 | 12383 |
| 225 | | 282 | 11.7 | 11.5 | -2.5 | | 293 | 14.3 | 13.1 | -5.6 | | 291 | 15.9 | 14.9 | -5.7 | | 294 | 20.2 | 18.5 | -8.3 | 11617 |
| 250 | | 255 | 12.0 | 11.6 | 3.1 | | 265 | 12.8 | 12.8 | 1.1 | | 262 | 14.9 | 14.8 | 2.1 | | 266 | 15.9 | 15.9 | 1.2 | 10914 |
| 275 | | 272 | 13.0 | 13.0 | -.4 | | 262 | 11.4 | 11.3 | 1.6 | | 250 | 11.3 | 10.6 | 3.9 | | 257 | 16.3 | 15.9 | 3.7 | 10262 |
| 300 | | 279 | 14.5 | 14.3 | -2.3 | | 273 | 10.5 | 10.4 | -.6 | | 261 | 8.6 | 8.5 | 1.3 | | 268 | 11.0 | 11.0 | .3 | 9654 |
| 325 | 3 | 252 | 11.2 | 10.7 | 3.5 | 2 | 289 | 10.3 | 9.8 | -3.3 | | 265 | 12.1 | 12.0 | 1.1 | | 276 | 10.7 | 10.6 | -1.0 | 9084 |
| 350 | | 228 | 7.8 | 5.7 | 5.2 | 2 | 252 | 13.2 | 12.5 | 4.1 | | 256 | 11.7 | 11.4 | 2.8 | | 269 | 9.8 | 9.8 | .2 | 8546 |
| 375 | | 244 | 4.6 | 4.1 | 2.0 | | 219 | 8.5 | 5.3 | 6.7 | | 241 | 5.9 | 5.2 | 2.9 | | 235 | 7.7 | 6.3 | 4.4 | 8039 |
| 400 | | 246 | 5.5 | 5.0 | 2.3 | | 251 | 3.3 | 3.1 | 1.0 | | 244 | 6.1 | 5.5 | 2.6 | | 211 | 8.6 | 4.4 | 7.4 | 7557 |
| 425 | | 248 | 7.2 | 6.7 | 2.7 | | 259 | 7.0 | 6.9 | 1.3 | | 264 | 7.3 | 7.3 | .8 | | 227 | 7.9 | 5.8 | 5.4 | 7099 |
| 450 | | 230 | 7.0 | 5.4 | 4.5 | | 264 | 6.6 | 6.5 | .7 | | 257 | 4.4 | 4.3 | .9 | | 258 | 4.2 | 4.1 | .9 | 6662 |
| 475 | | 212 | 7.2 | 3.8 | 6.1 | | 228 | 5.3 | 3.9 | 3.5 | | 229 | 3.6 | 2.7 | 2.4 | | 225 | 2.0 | 1.4 | 1.4 | 6244 |
| 500 | | 224 | 5.1 | 3.5 | 3.6 | | 227 | 4.9 | 3.6 | 3.3 | | 245 | 1.7 | 1.5 | .7 | | 281 | 1.8 | 1.8 | -.3 | 5844 |
| 525 | | 249 | 2.6 | 2.4 | .9 | | 274 | 2.4 | 2.4 | -.2 | | 29 | .6 | -.3 | -.5 | | 335 | 4.0 | 1.7 | -3.6 | 5460 |
| 550 | | 262 | 2.5 | 2.5 | .3 | | 303 | .6 | .5 | -.3 | | 289 | .3 | .3 | -.1 | | 355 | 2.3 | .2 | -2.3 | 5091 |
| 575 | | 286 | 3.0 | 2.9 | -.8 | | 319 | .9 | .6 | -.7 | | 286 | 1.5 | 1.4 | -.4 | | 7 | 2.3 | -.3 | -2.2 | 4736 |
| 600 | | 330 | .8 | .4 | -.7 | | 12 | 1.3 | -.3 | -1.3 | | 71 | 2.9 | -2.8 | -1.0 | | 33 | 3.2 | -1.7 | -2.7 | 4393 |
| 625 | | 81 | 3.7 | -3.6 | -.6 | | 64 | 3.3 | -3.0 | -1.4 | | 97 | 7.6 | -7.5 | .9 | | 83 | 5.9 | -5.8 | -.7 | 4062 |
| 650 | | 90 | 6.4 | -6.4 | -.0 | | 89 | 6.7 | -6.7 | -.1 | | 106 | 9.4 | -9.1 | 2.5 | | 91 | 8.7 | -8.7 | .1 | 3742 |
| 675 | | 94 | 7.6 | -7.5 | .5 | | 95 | 9.0 | -8.9 | .8 | | 99 | 7.9 | -7.8 | 1.2 | | 84 | 9.1 | -9.1 | -.9 | 3431 |
| 700 | | 92 | 8.8 | -8.8 | .3 | | 88 | 8.1 | -8.1 | -.2 | | 86 | 8.5 | -8.5 | -.7 | | 86 | 8.7 | -8.6 | -.6 | 3130 |
| 725 | | 78 | 8.0 | -7.8 | -1.7 | | 87 | 7.8 | -7.7 | -.5 | | 83 | 9.9 | -9.9 | -1.2 | | 90 | 8.3 | -8.3 | -.0 | 2837 |
| 750 | | 63 | 7.0 | -6.3 | -3.1 | | 89 | 8.8 | -8.8 | -.1 | | 86 | 9.5 | -9.5 | -.7 | | 94 | 8.3 | -8.3 | .5 | 2553 |
| 775 | | 91 | 9.9 | -9.9 | .1 | | 92 | 9.4 | -9.4 | .4 | | 94 | 9.3 | -9.3 | .6 | | 105 | 8.9 | -8.6 | 2.4 | 2276 |
| 800 | | 106 | 13.0 | -12.5 | 3.5 | | 94 | 9.5 | -9.5 | .6 | | 98 | 10.6 | -10.5 | 1.5 | | 118 | 9.8 | -8.6 | 4.6 | 2007 |
| 825 | | 97 | 9.8 | -9.7 | 1.1 | | 93 | 9.6 | -9.6 | .5 | | 97 | 12.0 | -11.9 | 1.5 | | 119 | 10.1 | -8.8 | 4.9 | 1745 |
| 850 | | 83 | 8.8 | -8.7 | -1.1 | | 92 | 9.9 | -9.9 | .4 | | 96 | 12.5 | -12.5 | 1.3 | | 113 | 10.1 | -9.2 | 4.0 | 1490 |
| 875 | | 95 | 9.8 | -9.7 | .8 | | 95 | 11.0 | -11.0 | .9 | | 101 | 12.2 | -12.0 | 2.3 | | 110 | 10.8 | -10.1 | 3.7 | 1242 |
| 900 | | 105 | 10.5 | -10.1 | 2.8 | | 100 | 12.0 | -11.8 | 2.1 | | 112 | 10.9 | -10.1 | 4.0 | | 110 | 11.2 | -10.6 | 3.8 | 999 |
| 925 | | 108 | 11.2 | -10.6 | 3.5 | | 105 | 11.2 | -10.9 | 2.9 | | 119 | 9.1 | -7.9 | 4.4 | | 111 | 10.1 | -9.4 | 3.6 | 762 |
| 950 | | 112 | 11.3 | -10.5 | 4.2 | | 107 | 9.9 | -9.4 | 2.9 | | 118 | 7.6 | -6.8 | 3.6 | | 114 | 8.3 | -7.5 | 3.4 | 529 |
| 975 | | 120 | 10.8 | -9.4 | 5.4 | | 109 | 9.7 | -9.2 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 119 | 7.0 | -6.1 | 3.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/20 18 2 GMT | | | | 4/20 2355 GMT | | | | 4/21 515 GMT | | | | 4/21 1312 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 14.7 | 14.4 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 244 | 15.9 | 14.3 | 7.0 | | 240 | 13.1 | 11.3 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 311 | 12.2 | 9.2 | -8.0 | | 272 | 8.7 | 8.7 | -.2 | | 238 | 9.0 | 7.7 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 287 | 15.5 | 14.8 | -4.6 | | 301 | 16.4 | 14.1 | -8.4 | | 290 | 9.3 | 8.7 | -3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | | 276 | 13.1 | 13.0 | -1.3 | | 285 | 17.2 | 16.7 | -4.4 | | 278 | 15.0 | 14.9 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | | 265 | 15.3 | 15.2 | 1.4 | | 273 | 16.1 | 16.1 | -.8 | | 278 | 16.0 | 15.8 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | | 270 | 15.6 | 15.6 | -.1 | | 270 | 14.4 | 14.4 | .1 | | 269 | 16.1 | 16.1 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | | 279 | 21.3 | 21.1 | -3.3 | | 278 | 17.4 | 17.2 | -2.4 | | 277 | 17.2 | 17.1 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 277 | 22.0 | 21.8 | -2.5 | | 283 | 20.9 | 20.4 | -4.7 | | 286 | 19.4 | 18.7 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 272 | 19.2 | 19.2 | -.6 | | 280 | 18.4 | 18.1 | -3.3 | | 281 | 16.9 | 16.6 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 276 | 16.0 | 15.9 | -1.8 | | 275 | 15.7 | 15.7 | -1.4 | | 276 | 17.0 | 16.9 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 283 | 15.2 | 14.8 | -3.6 | | 278 | 14.5 | 14.4 | -2.0 | | 272 | 13.9 | 13.9 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 288 | 15.5 | 14.7 | -4.9 | | 288 | 14.8 | 14.1 | -4.7 | | 283 | 11.8 | 11.5 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 303 | 15.9 | 13.3 | -8.7 | | 298 | 16.5 | 14.6 | -7.7 | | 293 | 12.0 | 11.1 | -4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 312 | 17.8 | 13.3 | -11.9 | | 304 | 17.5 | 14.6 | -9.7 | | 295 | 13.2 | 11.9 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 314 | 17.1 | 12.3 | -11.9 | | 305 | 11.6 | 9.5 | -6.6 | | 309 | 12.4 | 9.6 | -7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 307 | 15.8 | 12.5 | -9.6 | | 316 | 17.0 | 11.8 | -12.3 | | 301 | 10.0 | 8.6 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | | 282 | 15.0 | 14.7 | -3.2 | | 312 | 13.2 | 9.9 | -8.7 | | 312 | 8.7 | 6.5 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | | 265 | 16.0 | 15.9 | 1.4 | | 280 | 14.9 | 14.7 | -2.7 | | 285 | 9.1 | 8.8 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | | 275 | 13.9 | 13.9 | -1.1 | | 267 | 15.6 | 15.6 | .9 | | 271 | 14.1 | 14.1 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | | 272 | 9.1 | 9.1 | -.3 | | 269 | 12.7 | 12.7 | .3 | | 274 | 12.2 | 12.2 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | | 246 | 6.2 | 5.6 | 2.5 | | 259 | 7.7 | 7.5 | 1.4 | | 282 | 9.3 | 9.1 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | | 218 | 7.7 | 4.8 | 6.0 | | 256 | 5.2 | 5.1 | 1.3 | | 272 | 7.1 | 7.1 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | | 236 | 5.5 | 4.6 | 3.0 | | 236 | 7.7 | 6.4 | 4.3 | | 248 | 6.4 | 5.9 | 2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | | 231 | 2.5 | 1.9 | 1.5 | | 227 | 5.5 | 4.0 | 3.8 | | 232 | 6.3 | 4.9 | 3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | | 227 | 2.2 | 1.6 | 1.5 | | 204 | 3.3 | 1.3 | 3.0 | | 231 | 4.9 | 3.8 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | | 316 | 2.3 | 1.6 | -1.6 | | 203 | 1.0 | .4 | .9 | | 220 | 3.7 | 2.4 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | | 1 | 3.4 | -.1 | -3.4 | | 40 | 1.7 | -1.1 | -1.3 | | 242 | 2.7 | 2.4 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | | 355 | 2.3 | .2 | -2.3 | | 39 | 1.6 | -1.0 | -1.2 | | 308 | .1 | .1 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | | 34 | 3.9 | -2.2 | -3.2 | | 34 | 2.9 | -1.6 | -2.4 | | 115 | .6 | -.5 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | | 21 | 5.4 | -1.9 | -5.1 | | 57 | 5.1 | -4.3 | -2.8 | | 74 | 3.5 | -3.4 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | | 62 | 4.9 | -4.3 | -2.3 | | 81 | 6.7 | -6.6 | -1.1 | | 83 | 6.5 | -6.4 | -.8 | | 78 | 4.7 | -4.6 | -.9 | 4062 |
| 650 | | 92 | 8.7 | -8.7 | .3 | | 91 | 7.3 | -7.3 | .1 | | 88 | 8.0 | -8.0 | -.2 | | 78 | 8.6 | -8.4 | -1.8 | 3742 |
| 675 | | 88 | 8.4 | -8.4 | -.3 | | 95 | 7.5 | -7.5 | .7 | | 86 | 8.2 | -8.2 | -.6 | | 82 | 6.8 | -6.8 | -.9 | 3431 |
| 700 | | 90 | 7.7 | -7.7 | .0 | | 103 | 7.7 | -7.5 | 1.7 | | 99 | 6.9 | -6.8 | 1.1 | | 92 | 6.8 | -6.8 | .3 | 3130 |
| 725 | | 100 | 8.2 | -8.1 | 1.4 | | 109 | 7.5 | -7.1 | 2.4 | | 109 | 6.1 | -5.8 | 2.0 | | 91 | 5.0 | -5.0 | .1 | 2837 |
| 750 | | 101 | 8.7 | -8.5 | 1.7 | | 113 | 6.7 | -6.2 | 2.6 | | 99 | 5.9 | -5.8 | 1.0 | | 63 | 6.2 | -5.6 | -2.8 | 2553 |
| 775 | | 107 | 8.5 | -8.2 | 2.5 | | 120 | 6.7 | -5.8 | 3.4 | | 99 | 6.2 | -6.1 | 1.0 | | 81 | 5.5 | -5.4 | -.8 | 2276 |
| 800 | | 118 | 8.9 | -7.8 | 4.2 | | 116 | 7.6 | -6.8 | 3.3 | | 101 | 7.1 | -7.0 | 1.3 | | 122 | 6.1 | -5.1 | 3.3 | 2007 |
| 825 | | 113 | 10.5 | -9.7 | 4.1 | | 100 | 8.1 | -8.0 | 1.3 | | 89 | 8.4 | -8.4 | -.1 | | 108 | 6.0 | -5.8 | 1.8 | 1745 |
| 850 | | 100 | 11.3 | -11.1 | 1.9 | | 90 | 8.1 | -8.1 | .0 | | 78 | 9.6 | -9.4 | -2.0 | | 72 | 6.0 | -5.7 | -1.8 | 1490 |
| 875 | | 98 | 9.4 | -9.3 | 1.3 | | 91 | 7.1 | -7.1 | .1 | | 74 | 9.7 | -9.3 | -2.7 | | 62 | 5.0 | -4.4 | -2.4 | 1242 |
| 900 | | 106 | 8.3 | -8.0 | 2.4 | | 93 | 5.4 | -5.4 | .3 | | 75 | 9.1 | -8.8 | -2.3 | | 70 | 4.4 | -4.1 | -1.5 | 999 |
| 925 | | 110 | 8.4 | -7.9 | 2.9 | | 94 | 4.6 | -4.6 | .3 | | 80 | 8.8 | -8.6 | -1.5 | | 90 | 4.6 | -4.6 | .0 | 762 |
| 950 | | 111 | 8.4 | -7.8 | 3.0 | | 100 | 4.7 | -4.6 | .8 | | 87 | 8.0 | -8.0 | -.5 | | 107 | 5.0 | -4.8 | 1.5 | 529 |
| 975 | | 118 | 8.9 | -7.8 | 4.2 | | 107 | 5.1 | -4.8 | 1.5 | | 89 | 6.4 | -6.4 | -.1 | | 115 | 4.4 | -4.0 | 1.9 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

FANNING ISLAND

| | 4/21 1725 GMT | | | | 4/21 1955 GMT | | | | 4/21 2325 GMT | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 14.3 | 13.5 | -4.9 | | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 243 | 18.4 | 16.4 | 8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 21.4 | 21.2 | 3.1 | | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 281 | 9.0 | 8.8 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 243 | 12.7 | 11.3 | 5.7 | | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 294 | 13.0 | 11.8 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 314 | 19.3 | 14.0 | -13.3 | | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | | 272 | 17.7 | 17.7 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 20.4 | 20.2 | 2.5 | | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | | 276 | 24.5 | 24.4 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 16.9 | 16.9 | -.3 | | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | | 284 | 22.6 | 22.0 | -5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 18.0 | 16.5 | -7.1 | | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | | 288 | 20.2 | 19.1 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 20.3 | 19.1 | -6.8 | | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | | 287 | 20.2 | 19.3 | -6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 25.7 | 24.3 | -8.4 | | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | | 277 | 19.8 | 19.7 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 19.2 | 17.3 | -8.3 | | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | | 275 | 17.2 | 17.1 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 15.8 | 14.9 | -5.2 | | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | | 284 | 14.5 | 14.1 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 18.2 | 17.7 | -4.4 | | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | | 286 | 14.2 | 13.7 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 14.0 | 12.8 | -5.7 | | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | | 282 | 14.8 | 14.5 | -3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 291 | 13.1 | 12.2 | -4.7 | | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | | 279 | 14.9 | 14.7 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 15.5 | 15.3 | -2.7 | | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | | 278 | 11.1 | 11.0 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 16.1 | 15.6 | -3.8 | | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | | 295 | 10.5 | 9.5 | -4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 12.6 | 12.6 | 1.1 | | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | | 305 | 9.9 | 8.1 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 8.5 | 8.5 | .2 | | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | | 304 | 8.4 | 7.0 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 294 | 5.8 | 5.3 | -2.3 | | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 2 | 291 | 6.6 | 6.2 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 310 | 6.0 | 4.6 | -3.9 | | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | | 281 | 7.1 | 7.0 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 295 | 6.1 | 5.5 | -2.5 | | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | | 291 | 8.4 | 7.9 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 305 | 5.6 | 4.6 | -3.2 | | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | | 310 | 5.6 | 4.3 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 6.2 | 5.3 | -3.3 | | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | | 291 | 3.7 | 3.4 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 4.4 | 4.1 | -1.8 | | 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | | 276 | 4.7 | 4.7 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 3.7 | 3.7 | .5 | | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | | 236 | 3.1 | 2.6 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 234 | 4.7 | 3.8 | 2.8 | | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | | 192 | 1.8 | .4 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 195 | 4.0 | 1.0 | 3.8 | | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | | 331 | 1.3 | .6 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 162 | 2.1 | -.7 | 2.0 | | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | | 4 | 2.9 | -.2 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 71 | .8 | -.8 | -.3 | | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | | 63 | 4.0 | -3.6 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 82 | 3.3 | -3.2 | -.5 | | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | | 65 | 5.8 | -5.3 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 82 | 4.8 | -4.7 | -.6 | | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | | 78 | 6.9 | -6.7 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 6.4 | -6.4 | .1 | | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | | 83 | 7.5 | -7.4 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 94 | 8.3 | -8.3 | .6 | | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | | 89 | 6.4 | -6.4 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 8.1 | -8.1 | .3 | | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | | 93 | 6.3 | -6.3 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 6.1 | -6.1 | .1 | | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | | 87 | 7.1 | -7.1 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 5.6 | -5.6 | -.1 | | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | | 88 | 6.0 | -6.0 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 5.5 | -5.5 | -.5 | | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | | 99 | 4.2 | -4.1 | .7 | | 80 | 6.1 | -6.0 | -1.1 | | 79 | 4.7 | -4.6 | -.9 | | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | | 92 | 4.1 | -4.1 | .1 | | 79 | 4.8 | -4.7 | -.9 | | 65 | 4.7 | -4.3 | -2.0 | | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | | 70 | 5.5 | -5.2 | -1.9 | | 67 | 4.3 | -4.0 | -1.7 | | 46 | 5.1 | -3.6 | -3.5 | | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | | 60 | 6.2 | -5.4 | -3.2 | | 50 | 5.0 | -3.9 | -3.2 | | 31 | 4.7 | -2.4 | -4.0 | | 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | | 61 | 5.6 | -4.9 | -2.7 | | 47 | 5.2 | -3.8 | -3.5 | | 28 | 3.7 | -1.8 | -3.3 | | 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | | 73 | 4.9 | -4.7 | -1.4 | | 65 | 4.0 | -3.6 | -1.7 | | 51 | 3.0 | -2.3 | -1.9 | | 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | | 96 | 4.4 | -4.3 | .5 | | 93 | 3.6 | -3.6 | .2 | | 75 | 2.7 | -2.6 | -.7 | | 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | | 119 | 4.4 | -3.8 | 2.1 | | 105 | 3.2 | -3.1 | .8 | | 93 | 2.1 | -2.1 | .1 | | 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | | 127 | 4.1 | -3.3 | 2.4 | | 115 | 2.5 | -2.2 | 1.1 | | 104 | 1.7 | -1.7 | .4 | | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/ 5 7 5 GMT | | | | 3/ 5 1210 GMT | | | | 3/ 5 1830 GMT | | | | 3/ 6 0 8 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 276 | 22.2 | 22.0 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 260 | 18.8 | 18.4 | 3.4 | 19517 |
| 70 | 2 | 235 | 5.1 | 4.2 | 2.9 | 2 | 250 | 2.5 | 2.3 | .8 | 2 | 278 | 13.4 | 13.3 | -2.0 | 2 | 277 | 16.7 | 16.6 | -2.0 | 18589 |
| 80 | 2 | 230 | 10.5 | 8.0 | 6.7 | 2 | 246 | 8.5 | 7.8 | 3.4 | 2 | 269 | 8.3 | 8.3 | .2 | 2 | 268 | 8.3 | 8.3 | .2 | 17801 |
| 90 | 2 | 286 | 3.6 | 3.5 | -1.0 | 2 | 225 | 11.5 | 8.1 | 8.2 | 2 | 235 | 11.4 | 9.4 | 6.5 | 2 | 232 | 8.8 | 6.9 | 5.4 | 17121 |
| 100 | 2 | 350 | 8.5 | 1.5 | -8.4 | 2 | 26 | 3.8 | -1.7 | -3.4 | 2 | 33 | .8 | -.5 | -.7 | 2 | 203 | 2.9 | 1.2 | 2.7 | 16521 |
| 110 | 2 | 296 | 11.1 | 10.0 | -4.9 | 2 | 307 | 9.6 | 7.7 | -5.7 | 2 | 329 | 10.0 | 5.2 | -8.5 | 2 | 323 | 5.5 | 3.4 | -4.4 | 15978 |
| 120 | 2 | 328 | 6.8 | 3.6 | -5.8 | 2 | 322 | 3.8 | 2.3 | -3.0 | 2 | 285 | 9.8 | 9.5 | -2.5 | 2 | 296 | 9.9 | 8.8 | -4.4 | 15479 |
| 130 | 2 | 359 | 6.8 | .1 | -6.8 | 2 | 339 | 6.2 | 2.2 | -5.8 | 2 | 268 | 4.6 | 4.6 | .2 | 2 | 290 | 8.1 | 7.6 | -2.7 | 15014 |
| 140 | 2 | 339 | 9.0 | 3.2 | -8.4 | 2 | 310 | 8.9 | 6.8 | -5.7 | 2 | 307 | 3.8 | 3.0 | -2.2 | 2 | 290 | 6.6 | 6.2 | -2.2 | 14578 |
| 150 | 2 | 327 | 8.5 | 4.7 | -7.1 | 2 | 293 | 12.3 | 11.3 | -4.9 | 2 | 295 | 7.1 | 6.5 | -3.0 | 2 | 292 | 7.1 | 6.5 | -2.7 | 14167 |
| 160 | 2 | 309 | 10.0 | 7.8 | -6.3 | 2 | 279 | 15.7 | 15.6 | -2.4 | 2 | 289 | 11.9 | 11.3 | -3.8 | 2 | 292 | 12.5 | 11.6 | -4.7 | 13776 |
| 170 | 2 | 291 | 12.2 | 11.5 | -4.3 | 2 | 277 | 16.9 | 16.8 | -1.9 | 2 | 283 | 12.3 | 11.9 | -2.9 | 2 | 294 | 15.8 | 14.4 | -6.4 | 13404 |
| 180 | 2 | 276 | 15.2 | 15.1 | -1.5 | 2 | 274 | 20.6 | 20.5 | -1.3 | 2 | 281 | 17.0 | 16.7 | -3.2 | 2 | 300 | 17.0 | 14.8 | -8.4 | 13049 |
| 190 | 2 | 271 | 16.8 | 16.8 | -.3 | 2 | 270 | 27.0 | 27.0 | -.0 | 2 | 286 | 18.4 | 17.7 | -5.2 | 2 | 301 | 18.9 | 16.1 | -9.8 | 12709 |
| 200 | 2 | 272 | 17.6 | 17.6 | -.6 | 2 | 272 | 27.5 | 27.5 | -.7 | 2 | 273 | 17.9 | 17.9 | -.9 | 2 | 299 | 19.1 | 16.8 | -9.1 | 12383 |
| 225 | 2 | 280 | 18.5 | 18.2 | -3.3 | 2 | 285 | 21.8 | 21.0 | -5.8 | 2 | 278 | 17.4 | 17.3 | -2.4 | 2 | 277 | 18.4 | 18.2 | -2.2 | 11617 |
| 250 | 2 | 299 | 18.1 | 15.8 | -8.9 | 2 | 293 | 21.7 | 20.0 | -8.4 | 2 | 284 | 16.3 | 15.9 | -3.9 | 2 | 271 | 18.9 | 18.9 | -.4 | 10914 |
| 275 | 2 | 294 | 16.4 | 15.0 | -6.8 | 2 | 297 | 20.0 | 17.9 | -9.1 | 2 | 290 | 17.9 | 16.8 | -6.0 | 2 | 282 | 11.6 | 11.4 | -2.4 | 10262 |
| 300 | 2 | 291 | 15.8 | 14.8 | -5.6 | 2 | 301 | 15.7 | 13.5 | -8.0 | 2 | 298 | 16.8 | 14.9 | -7.9 | 2 | 283 | 12.9 | 12.5 | -3.0 | 9654 |
| 325 | 2 | 306 | 12.3 | 10.0 | -7.2 | 2 | 304 | 12.1 | 10.0 | -6.7 | 2 | 307 | 13.9 | 11.1 | -8.5 | 2 | 288 | 13.6 | 13.0 | -4.2 | 9084 |
| 350 | 2 | 324 | 9.3 | 5.4 | -7.6 | 2 | 306 | 7.9 | 6.3 | -4.6 | 2 | 280 | 6.3 | 6.2 | -1.1 | 2 | 304 | 7.4 | 6.1 | -4.1 | 8546 |
| 375 | 2 | 317 | 5.4 | 3.7 | -4.0 | 2 | 321 | 6.2 | 3.9 | -4.8 | 2 | 304 | 4.8 | 4.0 | -2.7 | 2 | 278 | 4.9 | 4.9 | -.6 | 8039 |
| 400 | 2 | 295 | 3.8 | 3.5 | -1.6 | 2 | 322 | 3.2 | 1.9 | -2.5 | 2 | 331 | 5.1 | 2.5 | -4.5 | 2 | 266 | 4.1 | 4.1 | .3 | 7557 |
| 425 | 2 | 280 | 4.2 | 4.2 | -.7 | 2 | 277 | 4.8 | 4.7 | -.6 | 2 | 6 | 1.4 | -.1 | -1.4 | 2 | 347 | 2.1 | .5 | -2.0 | 7099 |
| 450 | 2 | 278 | 1.7 | 1.7 | -.2 | 2 | 269 | 3.3 | 3.3 | .1 | 2 | 322 | 1.5 | .9 | -1.2 | 2 | 357 | 2.9 | .1 | -2.9 | 6662 |
| 475 | 2 | 282 | 4.1 | 4.0 | -.8 | 2 | 262 | 3.3 | 3.3 | .5 | 2 | 243 | 3.1 | 2.8 | 1.4 | 2 | 313 | 2.1 | 1.6 | -1.4 | 6244 |
| 500 | 2 | 291 | 9.0 | 8.4 | -3.2 | 2 | 290 | 8.9 | 8.3 | -3.1 | 2 | 324 | 5.3 | 3.1 | -4.3 | 2 | 2 | 4.0 | -.2 | -3.9 | 5844 |
| 525 | 2 | 276 | 10.9 | 10.9 | -1.1 | 2 | 276 | 12.2 | 12.1 | -1.4 | 2 | 351 | 5.1 | .8 | -5.0 | 2 | 356 | 5.7 | .4 | -5.7 | 5460 |
| 550 | 2 | 290 | 8.6 | 8.0 | -2.9 | 2 | 285 | 11.6 | 11.2 | -2.9 | 2 | 346 | 6.5 | 1.6 | -6.3 | 2 | 10 | 4.3 | -.8 | -4.3 | 5091 |
| 575 | 2 | 343 | 6.2 | 1.8 | -6.0 | 2 | 320 | 6.4 | 4.1 | -4.9 | 2 | 347 | 4.9 | 1.1 | -4.8 | 2 | 47 | 3.6 | -2.6 | -2.4 | 4736 |
| 600 | 2 | 22 | 4.9 | -1.9 | -4.5 | 2 | 26 | 4.9 | -2.2 | -4.4 | 2 | 55 | 4.3 | -3.5 | -2.5 | 2 | 70 | 3.1 | -2.9 | -1.1 | 4393 |
| 625 | 2 | 82 | 2.5 | -2.5 | -.4 | 2 | 55 | 2.8 | -2.3 | -1.6 | 2 | 71 | 6.3 | -6.0 | -2.0 | 2 | 78 | 4.8 | -4.7 | -1.0 | 4062 |
| 650 | 2 | 126 | 3.6 | -2.9 | 2.1 | 2 | 136 | 2.7 | -1.8 | 1.9 | 2 | 101 | 4.9 | -4.8 | .9 | 2 | 100 | 4.4 | -4.3 | .8 | 3742 |
| 675 | 2 | 119 | 5.8 | -5.1 | 2.8 | 2 | 140 | 4.9 | -3.1 | 3.7 | 2 | 120 | 5.0 | -4.3 | 2.5 | 2 | 129 | 3.7 | -2.9 | 2.4 | 3431 |
| 700 | 2 | 111 | 7.1 | -6.7 | 2.5 | 2 | 129 | 5.2 | -4.0 | 3.3 | 2 | 131 | 2.3 | -1.7 | 1.5 | 2 | 112 | 4.3 | -3.9 | 1.6 | 3130 |
| 725 | 2 | 111 | 7.0 | -6.6 | 2.5 | 2 | 120 | 6.6 | -5.7 | 3.2 | 2 | 101 | 6.1 | -5.9 | 1.1 | 1 | 95 | 6.6 | -6.6 | .6 | 2837 |
| 750 | 2 | 112 | 8.2 | -7.6 | 3.1 | 2 | 108 | 10.4 | -9.8 | 3.2 | | | | | | 0 | 89 | 8.8 | -8.8 | -.2 | 2553 |
| 775 | 2 | 98 | 10.4 | -10.3 | 1.4 | 2 | 95 | 13.8 | -13.7 | 1.2 | | | | | | 0 | 86 | 10.7 | -10.6 | -.8 | 2276 |
| 800 | 2 | 82 | 12.2 | -12.1 | -1.7 | 2 | 82 | 14.8 | -14.6 | -2.1 | | | | | | 0 | 85 | 12.4 | -12.4 | -1.0 | 2007 |
| 825 | 2 | 73 | 13.9 | -13.3 | -4.0 | 2 | 67 | 14.3 | -13.1 | -5.7 | | | | | | 0 | 85 | 13.7 | -13.6 | -1.1 | 1745 |
| 850 | 2 | 69 | 15.1 | -14.1 | -5.5 | | 55 | 14.0 | -11.5 | -8.0 | | | | | | 3 | 86 | 14.1 | -14.0 | -1.1 | 1490 |
| 875 | | 69 | 14.2 | -13.2 | -5.1 | | 53 | 13.1 | -10.5 | -7.9 | 2 | 70 | 11.7 | -11.0 | -4.0 | | 86 | 13.7 | -13.7 | -1.0 | 1242 |
| 900 | | 71 | 12.6 | -11.9 | -4.1 | | 60 | 12.6 | -10.9 | -6.3 | | 74 | 12.4 | -11.9 | -3.3 | | 84 | 12.7 | -12.6 | -1.2 | 999 |
| 925 | | 70 | 12.4 | -11.7 | -4.2 | | 71 | 13.3 | -12.6 | -4.4 | | 87 | 12.1 | -12.1 | -.7 | | 81 | 11.1 | -10.9 | -1.7 | 762 |
| 950 | | 73 | 11.7 | -11.1 | -3.4 | | 81 | 14.0 | -13.8 | -2.3 | | 94 | 12.4 | -12.4 | 1.0 | | 82 | 9.2 | -9.1 | -1.3 | 529 |
| 975 | | 79 | 9.5 | -9.3 | -1.8 | | 90 | 13.2 | -13.2 | .1 | | 100 | 9.2 | -9.1 | 1.6 | | 91 | 7.6 | -7.6 | .1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/ 6 1240 GMT | | | | 3/ 6 18 5 GMT | | | | 3/ 7 0 0 GMT | | | | 3/ 7 655 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 2 | 238 | 9.3 | 7.9 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 270 | 17.2 | 17.2 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 277 | 18.3 | 18.2 | -2.2 | 2 | 270 | 16.9 | 16.9 | .0 | 2 | 258 | 18.6 | 18.2 | 3.9 | 2 | 248 | 17.6 | 16.3 | 6.7 | 18589 |
| 80 | 2 | 257 | 6.1 | 5.9 | 1.4 | 2 | 264 | 11.2 | 11.1 | 1.2 | 2 | 262 | 17.4 | 17.2 | 2.6 | 2 | 262 | 18.8 | 18.6 | 2.7 | 17801 |
| 90 | 2 | 261 | 8.2 | 8.1 | 1.3 | 2 | 255 | 8.8 | 8.5 | 2.3 | 2 | 262 | 5.5 | 5.5 | .7 | 2 | 229 | 4.7 | 3.6 | 3.1 | 17121 |
| 100 | 2 | 244 | 5.7 | 5.1 | 2.5 | 2 | 227 | 7.6 | 5.6 | 5.1 | 2 | 221 | 9.0 | 5.9 | 6.8 | 2 | 226 | 9.2 | 6.6 | 6.3 | 16521 |
| 110 | 2 | 259 | 5.0 | 4.9 | 1.0 | 2 | 240 | 6.0 | 5.2 | 3.0 | 2 | 226 | 11.2 | 8.1 | 7.8 | 2 | 240 | 10.1 | 8.8 | 5.0 | 15978 |
| 120 | 2 | 262 | 11.2 | 11.1 | 1.5 | 2 | 256 | 8.7 | 8.5 | 2.2 | 2 | 233 | 8.3 | 6.6 | 5.0 | 2 | 232 | 12.6 | 9.9 | 7.7 | 15479 |
| 130 | 2 | 255 | 9.9 | 9.5 | 2.6 | 2 | 283 | 9.8 | 9.5 | -2.2 | 2 | 265 | 8.2 | 8.1 | .7 | 2 | 247 | 12.4 | 11.4 | 4.9 | 15014 |
| 140 | 2 | 268 | 11.2 | 11.2 | .4 | 2 | 286 | 12.0 | 11.5 | -3.4 | 2 | 282 | 12.1 | 11.8 | -2.5 | 2 | 254 | 13.3 | 12.8 | 3.7 | 14578 |
| 150 | 2 | 275 | 15.4 | 15.3 | -1.5 | 2 | 261 | 17.7 | 17.5 | 2.9 | 2 | 294 | 14.5 | 13.3 | -5.8 | 2 | 261 | 13.1 | 12.9 | 2.1 | 14167 |
| 160 | 2 | 286 | 16.0 | 15.4 | -4.3 | 2 | 288 | 17.6 | 16.7 | -5.4 | 2 | 295 | 14.7 | 13.3 | -6.1 | 2 | 262 | 14.0 | 13.9 | 2.0 | 13776 |
| 170 | 2 | 287 | 16.8 | 16.1 | -4.8 | 2 | 286 | 17.8 | 17.1 | -4.9 | 2 | 289 | 15.4 | 14.5 | -5.1 | 2 | 268 | 14.5 | 14.5 | .6 | 13404 |
| 180 | 2 | 287 | 18.0 | 17.2 | -5.2 | 2 | 286 | 19.4 | 18.6 | -5.2 | 2 | 288 | 16.9 | 16.1 | -5.3 | 2 | 275 | 14.5 | 14.5 | -1.2 | 13049 |
| 190 | 2 | 285 | 21.0 | 20.3 | -5.4 | 2 | 288 | 21.0 | 20.0 | -6.4 | 2 | 288 | 19.2 | 18.3 | -5.8 | 2 | 274 | 17.5 | 17.5 | -1.2 | 12709 |
| 200 | 2 | 293 | 22.2 | 20.4 | -8.7 | 2 | 289 | 22.0 | 20.8 | -7.3 | 2 | 287 | 21.2 | 20.2 | -6.3 | 2 | 276 | 18.4 | 18.3 | -1.9 | 12383 |
| 225 | 2 | 283 | 21.6 | 21.0 | -5.0 | 2 | 287 | 22.7 | 21.7 | -6.6 | 2 | 285 | 23.5 | 22.8 | -6.0 | 2 | 283 | 19.2 | 18.7 | -4.2 | 11617 |
| 250 | 2 | 278 | 24.7 | 24.4 | -3.6 | 2 | 287 | 22.3 | 21.4 | -6.5 | 2 | 287 | 24.2 | 23.2 | -7.1 | 2 | 292 | 18.7 | 17.3 | -7.0 | 10914 |
| 275 | 2 | 278 | 18.3 | 18.1 | -2.5 | 2 | 283 | 23.8 | 23.2 | -5.2 | 2 | 285 | 24.7 | 23.9 | -6.4 | 2 | 301 | 20.7 | 17.8 | -10.5 | 10262 |
| 300 | 2 | 280 | 12.6 | 12.4 | -2.2 | 2 | 281 | 19.4 | 19.1 | -3.6 | 2 | 277 | 22.0 | 21.8 | -2.8 | 2 | 283 | 19.9 | 19.4 | -4.4 | 9654 |
| 325 | 2 | 299 | 9.9 | 8.7 | -4.8 | 2 | 279 | 12.9 | 12.7 | -2.1 | 2 | 277 | 18.1 | 18.0 | -2.1 | 2 | 278 | 19.9 | 19.7 | -2.6 | 9084 |
| 350 | 2 | 292 | 5.5 | 5.1 | -2.1 | 2 | 289 | 12.6 | 11.9 | -4.1 | 2 | 281 | 12.4 | 12.1 | -2.4 | 2 | 279 | 14.2 | 14.0 | -2.2 | 8546 |
| 375 | 2 | 288 | 4.6 | 4.3 | -1.4 | 2 | 299 | 3.9 | 3.4 | -1.9 | 2 | 278 | 8.7 | 8.6 | -1.3 | 2 | 290 | 10.7 | 10.0 | -3.7 | 8039 |
| 400 | 2 | 317 | 2.1 | 1.4 | -1.5 | 2 | 60 | .5 | -.5 | -.3 | 2 | 240 | 2.0 | 1.8 | 1.0 | 2 | 268 | 6.3 | 6.3 | .2 | 7557 |
| 425 | 2 | 270 | 4.3 | 4.3 | -.0 | 2 | 266 | 4.1 | 4.1 | .3 | 2 | 244 | 4.0 | 3.5 | 1.8 | 2 | 239 | 6.5 | 5.6 | 3.3 | 7099 |
| 450 | 2 | 303 | 2.2 | 1.8 | -1.2 | 2 | 311 | 3.9 | 2.9 | -2.5 | 2 | 273 | 2.8 | 2.8 | -.1 | 2 | 243 | 4.1 | 3.7 | 1.9 | 6662 |
| 475 | 2 | 275 | 2.2 | 2.2 | -.2 | 2 | 294 | 4.4 | 4.0 | -1.8 | 2 | 300 | 2.8 | 2.4 | -1.4 | 2 | 280 | 4.1 | 4.0 | -.7 | 6244 |
| 500 | 2 | 57 | 2.0 | -1.7 | -1.1 | 2 | 351 | 1.6 | .2 | -1.6 | 2 | 341 | 1.3 | .4 | -1.2 | 2 | 279 | 3.5 | 3.5 | -.5 | 5844 |
| 525 | 2 | 62 | 5.3 | -4.7 | -2.5 | 2 | 70 | 5.3 | -4.9 | -1.8 | 2 | 70 | 3.8 | -3.6 | -1.3 | 2 | 310 | .7 | .6 | -.5 | 5460 |
| 550 | 2 | 53 | 2.7 | -2.1 | -1.6 | 2 | 66 | 4.0 | -3.6 | -1.6 | 2 | 93 | 5.3 | -5.3 | .3 | 2 | 93 | 4.8 | -4.8 | .2 | 5091 |
| 575 | 2 | 67 | 2.9 | -2.6 | -1.1 | 2 | 71 | 5.2 | -4.9 | -1.7 | 2 | 95 | 4.1 | -4.1 | .3 | 2 | 121 | 5.1 | -4.3 | 2.6 | 4736 |
| 600 | 2 | 118 | 3.8 | -3.3 | 1.8 | 2 | 79 | 2.0 | -2.0 | -.4 | 2 | 76 | 2.0 | -2.0 | -.5 | 2 | 148 | 2.2 | -1.2 | 1.9 | 4393 |
| 625 | 2 | 113 | 4.8 | -4.4 | 1.8 | 2 | 112 | 3.5 | -3.3 | 1.4 | 2 | 122 | 2.1 | -1.8 | 1.1 | 2 | 145 | 2.7 | -1.6 | 2.2 | 4062 |
| 650 | 2 | 115 | 4.9 | -4.4 | 2.0 | 2 | 116 | 5.5 | -5.0 | 2.4 | 2 | 139 | 5.4 | -3.5 | 4.1 | 2 | 139 | 5.7 | -3.7 | 4.3 | 3742 |
| 675 | 2 | 121 | 3.8 | -3.3 | 2.0 | 2 | 117 | 6.8 | -6.1 | 3.1 | 2 | 130 | 6.0 | -4.6 | 3.9 | 2 | 126 | 7.1 | -5.8 | 4.2 | 3431 |
| 700 | 2 | 99 | 4.0 | -4.0 | .6 | 2 | 118 | 6.4 | -5.7 | 3.1 | 2 | 123 | 5.7 | -4.8 | 3.1 | 2 | 116 | 6.9 | -6.2 | 3.0 | 3130 |
| 725 | 2 | 87 | 4.5 | -4.5 | -.2 | 2 | 125 | 5.0 | -4.1 | 2.9 | 2 | 140 | 4.9 | -3.1 | 3.8 | 2 | 114 | 5.9 | -5.4 | 2.4 | 2837 |
| 750 | 2 | 96 | 5.0 | -4.9 | .5 | 2 | 119 | 5.6 | -4.9 | 2.7 | 2 | 131 | 4.4 | -3.3 | 2.9 | 2 | 110 | 5.4 | -5.1 | 1.9 | 2553 |
| 775 | 2 | 87 | 7.1 | -7.1 | -.3 | 2 | 97 | 9.5 | -9.5 | 1.2 | 2 | 101 | 6.9 | -6.8 | 1.3 | 2 | 91 | 6.4 | -6.4 | .1 | 2276 |
| 800 | 2 | 78 | 10.6 | -10.4 | -2.3 | 2 | 86 | 13.8 | -13.8 | -1.1 | 2 | 89 | 10.4 | -10.4 | -.1 | 2 | 80 | 9.3 | -9.2 | -1.6 | 2007 |
| 825 | 2 | 86 | 15.0 | -15.0 | -1.1 | 2 | 83 | 15.6 | -15.5 | -1.8 | 2 | 79 | 12.3 | -12.0 | -2.3 | 2 | 81 | 12.6 | -12.4 | -2.0 | 1745 |
| 850 | 2 | 91 | 17.4 | -17.4 | .4 | 2 | 84 | 15.9 | -15.8 | -1.6 | | 71 | 12.5 | -11.8 | -4.0 | | 79 | 14.2 | -14.0 | -2.6 | 1490 |
| 875 | | 91 | 14.3 | -14.3 | .2 | | 84 | 15.4 | -15.3 | -1.5 | | 73 | 12.0 | -11.5 | -3.6 | | 73 | 13.6 | -13.0 | -4.0 | 1242 |
| 900 | | 90 | 11.3 | -11.3 | .0 | | 84 | 14.3 | -14.3 | -1.4 | | 79 | 12.0 | -11.8 | -2.3 | | 67 | 12.5 | -11.6 | -4.9 | 999 |
| 925 | | 86 | 9.8 | -9.8 | -.7 | | 85 | 13.6 | -13.6 | -1.1 | | 82 | 11.3 | -11.2 | -1.5 | | 68 | 12.0 | -11.1 | -4.5 | 762 |
| 950 | | 80 | 8.7 | -8.6 | -1.6 | | 85 | 12.7 | -12.6 | -1.1 | | 84 | 9.6 | -9.5 | -1.0 | | 73 | 10.9 | -10.4 | -3.1 | 529 |
| 975 | | 78 | 8.4 | -8.2 | -1.8 | | 83 | 11.0 | -10.9 | -1.4 | | 86 | 7.8 | -7.7 | -.6 | | 80 | 9.1 | -9.0 | -1.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/ 7 935 GMT | | | | 3/ 7 1220 GMT | | | | 3/ 7 2015 GMT | | | | 3/ 8 125 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 282 | 17.3 | 16.9 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 254 | 17.9 | 17.2 | 5.0 | 2 | 257 | 18.4 | 17.9 | 4.3 | 2 | 262 | 16.5 | 16.4 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 2 | 265 | 17.1 | 17.0 | 1.6 | 2 | 279 | 17.4 | 17.1 | -2.9 | 2 | 275 | 15.1 | 15.1 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 2 | 249 | 4.2 | 4.0 | 1.5 | 2 | 203 | 3.9 | 1.5 | 3.6 | 2 | 303 | 6.8 | 5.7 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 2 | 234 | 11.0 | 8.9 | 6.5 | 2 | 226 | 9.4 | 6.8 | 6.5 | 2 | 213 | 4.9 | 2.7 | 4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 2 | 236 | 13.8 | 11.4 | 7.8 | 2 | 243 | 12.9 | 11.5 | 5.8 | 2 | 248 | 14.7 | 13.7 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 2 | 237 | 14.8 | 12.5 | 8.0 | 2 | 243 | 13.9 | 12.5 | 6.3 | 2 | 250 | 14.1 | 13.2 | 4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 2 | 240 | 13.9 | 12.0 | 7.0 | 2 | 246 | 14.1 | 12.9 | 5.9 | 2 | 254 | 13.4 | 12.9 | 3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 2 | 252 | 12.4 | 11.8 | 3.9 | 2 | 253 | 12.8 | 12.2 | 3.8 | 2 | 245 | 13.7 | 12.5 | 5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 2 | 257 | 14.4 | 14.1 | 3.2 | 2 | 255 | 15.0 | 14.4 | 4.0 | 2 | 250 | 14.3 | 13.5 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 2 | 259 | 17.2 | 16.9 | 3.4 | 2 | 257 | 17.4 | 17.0 | 3.9 | 2 | 270 | 15.3 | 15.3 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 2 | 261 | 17.3 | 17.0 | 2.8 | 2 | 261 | 17.6 | 17.4 | 2.8 | 2 | 274 | 15.8 | 15.8 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 2 | 269 | 17.0 | 17.0 | .2 | 2 | 272 | 16.3 | 16.2 | -.7 | 2 | 270 | 15.2 | 15.2 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 2 | 280 | 18.1 | 17.9 | -3.0 | 2 | 283 | 14.4 | 14.1 | -3.2 | 2 | 277 | 14.5 | 14.3 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 2 | 282 | 17.9 | 17.5 | -3.7 | 2 | 288 | 18.4 | 17.4 | -5.7 | 2 | 286 | 13.8 | 13.3 | -3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 2 | 291 | 17.3 | 16.1 | -6.3 | 2 | 291 | 17.3 | 16.2 | -6.1 | 2 | 289 | 17.0 | 16.1 | -5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 2 | 302 | 18.4 | 15.6 | -9.8 | 2 | 300 | 20.6 | 17.8 | -10.3 | 2 | 303 | 15.5 | 12.9 | -8.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 2 | 301 | 19.4 | 16.6 | -10.1 | 2 | 300 | 19.7 | 17.1 | -9.9 | 2 | 311 | 13.2 | 9.9 | -8.8 | 2 | 299 | 12.9 | 11.3 | -6.2 | 10262 |
| 300 | 2 | 286 | 18.8 | 18.1 | -5.1 | 2 | 289 | 18.1 | 17.1 | -5.8 | 2 | 306 | 14.9 | 12.1 | -8.7 | 2 | 302 | 12.8 | 10.8 | -6.8 | 9654 |
| 325 | 2 | 281 | 18.8 | 18.4 | -3.5 | 2 | 284 | 19.6 | 19.1 | -4.7 | 2 | 305 | 14.8 | 12.1 | -8.5 | 2 | 314 | 12.0 | 8.6 | -8.4 | 9084 |
| 350 | 2 | 277 | 14.9 | 14.8 | -1.7 | 2 | 283 | 15.1 | 14.7 | -3.5 | 2 | 284 | 13.6 | 13.2 | -3.3 | 2 | 324 | 14.2 | 8.4 | -11.5 | 8546 |
| 375 | 2 | 287 | 11.0 | 10.6 | -3.2 | 2 | 289 | 10.7 | 10.1 | -3.4 | 2 | 282 | 11.7 | 11.5 | -2.3 | 2 | 303 | 13.8 | 11.5 | -7.6 | 8039 |
| 400 | 2 | 273 | 8.4 | 8.3 | -.4 | 2 | 276 | 8.7 | 8.6 | -.9 | 2 | 273 | 6.8 | 6.8 | -.4 | 2 | 287 | 10.7 | 10.3 | -3.1 | 7557 |
| 425 | 2 | 240 | 6.5 | 5.6 | 3.3 | 2 | 250 | 7.0 | 6.6 | 2.4 | 2 | 265 | 6.0 | 5.9 | .6 | 2 | 285 | 6.2 | 5.9 | -1.6 | 7099 |
| 450 | 2 | 222 | 5.1 | 3.5 | 3.8 | 2 | 215 | 6.3 | 3.6 | 5.2 | 2 | 238 | 4.5 | 3.8 | 2.4 | 2 | 280 | 6.3 | 6.2 | -1.1 | 6662 |
| 475 | 2 | 251 | 3.4 | 3.2 | 1.1 | 2 | 230 | 4.4 | 3.4 | 2.8 | 2 | 232 | 1.2 | .9 | .7 | 2 | 244 | 3.2 | 2.9 | 1.4 | 6244 |
| 500 | 2 | 290 | 3.7 | 3.5 | -1.3 | 2 | 252 | 4.1 | 3.9 | 1.2 | 2 | 269 | 2.3 | 2.3 | .0 | 2 | 293 | 1.9 | 1.8 | -.8 | 5844 |
| 525 | 2 | 36 | 1.4 | -.8 | -1.2 | 2 | 37 | 1.5 | -.9 | -1.2 | 2 | 78 | .7 | -.6 | -.1 | 2 | 124 | 1.0 | -.9 | .6 | 5460 |
| 550 | 2 | 92 | 6.1 | -6.1 | .2 | 2 | 93 | 6.4 | -6.4 | .4 | 2 | 105 | 5.1 | -4.9 | 1.3 | 2 | 135 | 2.8 | -2.0 | 2.0 | 5091 |
| 575 | 2 | 110 | 5.5 | -5.2 | 1.9 | 2 | 116 | 5.1 | -4.6 | 2.3 | 2 | 161 | 4.8 | -1.5 | 4.6 | 2 | 188 | 4.6 | .7 | 4.5 | 4736 |
| 600 | 2 | 170 | 3.4 | -.6 | 3.3 | 2 | 190 | 3.5 | .6 | 3.5 | 2 | 214 | 4.3 | 2.4 | 3.6 | 2 | 201 | 4.7 | 1.7 | 4.4 | 4393 |
| 625 | 2 | 161 | 2.6 | -.9 | 2.5 | 2 | 198 | 3.4 | 1.0 | 3.3 | 2 | 199 | 3.7 | 1.2 | 3.5 | 2 | 191 | 4.2 | .8 | 4.1 | 4062 |
| 650 | 2 | 158 | 3.7 | -1.4 | 3.4 | 2 | 172 | 3.7 | -.5 | 3.6 | 2 | 176 | 4.8 | -.4 | 4.8 | 2 | 179 | 5.3 | -.1 | 5.3 | 3742 |
| 675 | 2 | 142 | 4.9 | -3.0 | 3.9 | 2 | 138 | 4.7 | -3.1 | 3.5 | 2 | 153 | 4.2 | -1.9 | 3.7 | 2 | 163 | 5.4 | -1.6 | 5.1 | 3431 |
| 700 | 2 | 120 | 5.6 | -4.9 | 2.8 | 2 | 113 | 5.9 | -5.4 | 2.3 | 2 | 115 | 5.5 | -5.0 | 2.3 | 2 | 118 | 5.4 | -4.8 | 2.5 | 3130 |
| 725 | 2 | 115 | 5.5 | -5.0 | 2.3 | 2 | 106 | 5.0 | -4.8 | 1.4 | 2 | 96 | 7.9 | -7.8 | .8 | 2 | 92 | 7.2 | -7.1 | .3 | 2837 |
| 750 | 2 | 99 | 5.4 | -5.3 | .8 | 2 | 82 | 4.7 | -4.7 | -.6 | 2 | 79 | 7.4 | -7.3 | -1.4 | 2 | 80 | 8.1 | -7.9 | -1.4 | 2553 |
| 775 | 2 | 73 | 7.8 | -7.4 | -2.3 | 2 | 67 | 8.4 | -7.8 | -3.2 | 2 | 66 | 10.0 | -9.1 | -4.1 | 2 | 72 | 9.7 | -9.3 | -3.0 | 2276 |
| 800 | 2 | 75 | 10.8 | -10.4 | -2.9 | 2 | 71 | 12.7 | -12.0 | -4.2 | 2 | 66 | 13.4 | -12.3 | -5.4 | 2 | 74 | 12.1 | -11.7 | -3.4 | 2007 |
| 825 | 2 | 85 | 12.9 | -12.8 | -1.1 | 2 | 78 | 14.9 | -14.5 | -3.1 | 2 | 76 | 15.1 | -14.6 | -3.5 | 2 | 76 | 14.6 | -14.2 | -3.5 | 1745 |
| 850 | 2 | 88 | 14.1 | -14.1 | -.4 | | 82 | 14.4 | -14.2 | -2.1 | 2 | 85 | 16.8 | -16.8 | -1.6 | 2 | 78 | 15.3 | -14.9 | -3.3 | 1490 |
| 875 | | 84 | 13.8 | -13.8 | -1.3 | | 81 | 13.6 | -13.4 | -2.0 | | 83 | 17.6 | -17.5 | -2.1 | | 78 | 13.8 | -13.5 | -2.8 | 1242 |
| 900 | | 79 | 13.1 | -12.8 | -2.6 | | 80 | 13.7 | -13.5 | -2.3 | | 79 | 16.7 | -16.4 | -3.1 | | 76 | 12.4 | -12.0 | -3.0 | 999 |
| 925 | | 73 | 12.4 | -11.8 | -3.6 | | 78 | 13.4 | -13.1 | -2.7 | | 79 | 13.9 | -13.6 | -2.7 | | 74 | 12.0 | -11.6 | -3.3 | 762 |
| 950 | | 69 | 11.3 | -10.5 | -4.0 | | 75 | 11.9 | -11.5 | -3.1 | | 81 | 10.8 | -10.6 | -1.7 | | 77 | 11.2 | -10.9 | -2.6 | 529 |
| 975 | | 69 | 10.0 | -9.4 | -3.6 | | 74 | 9.9 | -9.5 | -2.8 | | 85 | 9.7 | -9.7 | -.9 | | 82 | 8.9 | -8.8 | -1.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/ 8 710 GMT | | | | 3/ 8 1230 GMT | | | | 3/ 8 1525 GMT | | | | 3/ 8 18 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 264 | 11.8 | 11.7 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 289 | 23.8 | 22.5 | -7.9 | 18589 |
| 80 | 2 | 266 | 15.1 | 15.0 | 1.0 | 2 | 278 | 15.4 | 15.2 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 292 | 24.7 | 22.9 | -9.2 | 17801 |
| 90 | 2 | 296 | 10.2 | 9.2 | -4.5 | 2 | 287 | 10.2 | 9.7 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 300 | 16.3 | 14.2 | -8.2 | 17121 |
| 100 | 2 | 219 | 17.6 | 11.1 | 13.6 | 2 | 237 | 18.5 | 15.6 | 10.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 240 | 6.2 | 5.4 | 3.0 | 16521 |
| 110 | 2 | 245 | 20.2 | 18.4 | 8.4 | 2 | 247 | 23.4 | 21.6 | 9.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 242 | 20.3 | 18.0 | 9.4 | 15978 |
| 120 | 2 | 245 | 17.4 | 15.8 | 7.3 | 2 | 245 | 18.3 | 16.5 | 7.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 243 | 18.6 | 16.6 | 8.4 | 15479 |
| 130 | 2 | 246 | 16.0 | 14.7 | 6.4 | 2 | 252 | 17.1 | 16.3 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 250 | 18.8 | 17.6 | 6.5 | 15014 |
| 140 | 2 | 256 | 11.5 | 11.1 | 2.9 | 2 | 262 | 15.4 | 15.2 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 254 | 16.3 | 15.6 | 4.6 | 14578 |
| 150 | 2 | 269 | 10.3 | 10.3 | .2 | 2 | 270 | 14.5 | 14.5 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 261 | 15.8 | 15.6 | 2.5 | 14167 |
| 160 | 2 | 280 | 11.7 | 11.5 | -2.1 | 2 | 280 | 15.0 | 14.8 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 267 | 17.3 | 17.3 | .9 | 13776 |
| 170 | 2 | 278 | 11.6 | 11.5 | -1.5 | 2 | 279 | 15.6 | 15.4 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 278 | 18.7 | 18.5 | -2.6 | 13404 |
| 180 | 2 | 279 | 16.0 | 15.8 | -2.6 | 2 | 283 | 17.1 | 16.7 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 284 | 19.5 | 19.0 | -4.7 | 13049 |
| 190 | 2 | 282 | 17.8 | 17.4 | -3.7 | 2 | 286 | 17.1 | 16.4 | -4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 284 | 18.6 | 18.0 | -4.5 | 12709 |
| 200 | 2 | 277 | 16.1 | 16.0 | -1.9 | 2 | 283 | 15.4 | 15.1 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 285 | 17.2 | 16.6 | -4.6 | 12383 |
| 225 | 2 | 278 | 12.2 | 12.1 | -1.7 | 2 | 280 | 15.0 | 14.8 | -2.7 | 2 | 292 | 18.3 | 16.9 | -7.0 | 2 | 296 | 16.2 | 14.5 | -7.2 | 11617 |
| 250 | 2 | 257 | 10.7 | 10.5 | 2.4 | 2 | 291 | 16.8 | 15.7 | -5.9 | 2 | 289 | 12.9 | 12.2 | -4.2 | 2 | 297 | 13.4 | 12.0 | -6.1 | 10914 |
| 275 | 2 | 295 | 7.9 | 7.2 | -3.3 | 2 | 283 | 9.7 | 9.5 | -2.1 | 2 | 294 | 11.0 | 10.1 | -4.4 | 2 | 292 | 12.4 | 11.5 | -4.6 | 10262 |
| 300 | 2 | 293 | 9.0 | 8.2 | -3.5 | 2 | 299 | 4.4 | 3.9 | -2.2 | 2 | 285 | 5.3 | 5.1 | -1.4 | 2 | 296 | 6.8 | 6.1 | -2.9 | 9654 |
| 325 | 2 | 299 | 10.2 | 8.9 | -4.9 | 2 | 310 | 6.6 | 5.0 | -4.3 | 2 | 334 | 3.8 | 1.7 | -3.5 | 2 | 330 | 3.4 | 1.7 | -2.9 | 9084 |
| 350 | 2 | 315 | 8.7 | 6.1 | -6.2 | 2 | 325 | 7.3 | 4.2 | -6.0 | 2 | 337 | 5.7 | 2.3 | -5.2 | 2 | 343 | 6.9 | 2.0 | -6.6 | 8546 |
| 375 | 2 | 336 | 10.6 | 4.2 | -9.7 | 2 | 321 | 6.9 | 4.3 | -5.4 | 2 | 342 | 6.7 | 2.1 | -6.4 | 2 | 349 | 6.9 | 1.4 | -6.8 | 8039 |
| 400 | 2 | 309 | 10.3 | 8.0 | -6.5 | 2 | 326 | 6.5 | 3.6 | -5.4 | 2 | 326 | 6.2 | 3.5 | -5.1 | 2 | 355 | 7.4 | .6 | -7.4 | 7557 |
| 425 | 2 | 285 | 8.2 | 7.9 | -2.1 | 2 | 287 | 6.7 | 6.4 | -2.0 | 2 | 265 | 5.7 | 5.7 | .5 | 2 | 295 | 5.8 | 5.2 | -2.4 | 7099 |
| 450 | 2 | 284 | 5.5 | 5.4 | -1.4 | 2 | 266 | 5.4 | 5.4 | .3 | 2 | 266 | 4.4 | 4.3 | .3 | 2 | 253 | 3.5 | 3.4 | 1.0 | 6662 |
| 475 | 2 | 257 | 3.6 | 3.5 | .8 | 2 | 291 | 4.1 | 3.8 | -1.4 | 2 | 296 | 3.8 | 3.4 | -1.7 | 2 | 273 | 3.1 | 3.1 | -.2 | 6244 |
| 500 | 2 | 337 | 1.3 | .5 | -1.2 | 2 | 334 | 2.4 | 1.0 | -2.2 | 2 | 298 | 1.4 | 1.2 | -.7 | 2 | 319 | 1.2 | .8 | -.9 | 5844 |
| 525 | 2 | 356 | 1.5 | .1 | -1.5 | 2 | 331 | 1.1 | .5 | -1.0 | 2 | 189 | .8 | .1 | .8 | 2 | 140 | 1.2 | -.7 | .9 | 5460 |
| 550 | 2 | 145 | 1.0 | -.5 | .8 | 2 | 163 | 2.6 | -.8 | 2.5 | 2 | 166 | 3.6 | -.9 | 3.5 | 2 | 184 | 3.4 | .2 | 3.4 | 5091 |
| 575 | 2 | 179 | 3.9 | -.1 | 3.9 | 2 | 209 | 5.2 | 2.5 | 4.6 | 2 | 201 | 5.6 | 2.0 | 5.2 | 2 | 202 | 5.3 | 1.9 | 4.9 | 4736 |
| 600 | 2 | 189 | 5.6 | .8 | 5.5 | 2 | 210 | 5.4 | 2.8 | 4.7 | 2 | 217 | 5.5 | 3.3 | 4.4 | 2 | 191 | 5.0 | 1.0 | 4.9 | 4393 |
| 625 | 2 | 169 | 6.4 | -1.2 | 6.3 | 2 | 158 | 5.2 | -1.9 | 4.8 | 2 | 174 | 5.0 | -.6 | 5.0 | 2 | 152 | 5.5 | -2.6 | 4.9 | 4062 |
| 650 | 2 | 161 | 5.8 | -1.9 | 5.5 | 2 | 145 | 5.4 | -3.1 | 4.4 | 2 | 137 | 5.5 | -3.8 | 4.0 | 2 | 133 | 7.0 | -5.2 | 4.7 | 3742 |
| 675 | 2 | 156 | 5.2 | -2.1 | 4.8 | 2 | 133 | 4.0 | -2.9 | 2.7 | 2 | 121 | 4.3 | -3.7 | 2.2 | 2 | 119 | 7.2 | -6.3 | 3.5 | 3431 |
| 700 | 2 | 131 | 5.2 | -3.9 | 3.4 | 2 | 104 | 5.7 | -5.5 | 1.4 | 2 | 99 | 4.9 | -4.9 | .8 | 2 | 101 | 6.7 | -6.6 | 1.3 | 3130 |
| 725 | 2 | 102 | 6.6 | -6.5 | 1.4 | 2 | 90 | 7.8 | -7.8 | -.0 | 2 | 86 | 7.5 | -7.5 | -.5 | 2 | 84 | 7.2 | -7.1 | -.8 | 2837 |
| 750 | 2 | 90 | 7.9 | -7.9 | -.0 | 2 | 78 | 9.1 | -8.9 | -1.8 | 2 | 77 | 8.6 | -8.4 | -1.9 | 2 | 73 | 9.9 | -9.4 | -2.9 | 2553 |
| 775 | 2 | 73 | 8.8 | -8.4 | -2.6 | 2 | 68 | 10.9 | -10.1 | -4.1 | 2 | 70 | 12.7 | -11.9 | -4.2 | 2 | 73 | 12.1 | -11.6 | -3.6 | 2276 |
| 800 | 2 | 64 | 11.7 | -10.5 | -5.2 | 2 | 70 | 13.5 | -12.6 | -4.7 | 2 | 72 | 13.2 | -12.6 | -4.1 | 2 | 80 | 13.1 | -12.9 | -2.3 | 2007 |
| 825 | 3 | 68 | 14.8 | -13.7 | -5.7 | 2 | 77 | 16.1 | -15.7 | -3.7 | 2 | 75 | 12.5 | -12.0 | -3.3 | 2 | 85 | 14.2 | -14.2 | -1.2 | 1745 |
| 850 | 3 | 71 | 17.5 | -16.5 | -5.7 | | 79 | 17.8 | -17.4 | -3.3 | 2 | 76 | 15.0 | -14.5 | -3.7 | | 87 | 15.1 | -15.1 | -.9 | 1490 |
| 875 | 1 | 72 | 19.1 | -18.2 | -5.8 | | 79 | 17.4 | -17.1 | -3.3 | 2 | 80 | 16.6 | -16.3 | -3.0 | | 87 | 15.3 | -15.3 | -.8 | 1242 |
| 900 | 0 | 74 | 18.6 | -17.9 | -5.3 | | 79 | 15.9 | -15.6 | -3.1 | | 81 | 15.1 | -14.9 | -2.4 | | 85 | 15.1 | -15.1 | -1.2 | 999 |
| 925 | 0 | 75 | 16.6 | -16.1 | -4.2 | | 78 | 14.2 | -14.0 | -2.9 | | 80 | 14.7 | -14.5 | -2.5 | | 82 | 14.7 | -14.5 | -2.2 | 762 |
| 950 | 0 | 77 | 14.0 | -13.7 | -3.0 | | 77 | 12.9 | -12.6 | -3.0 | | 79 | 16.0 | -15.7 | -2.9 | | 78 | 13.6 | -13.3 | -2.8 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 72 | 13.3 | -12.7 | -4.1 | | 77 | 11.5 | -11.2 | -2.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/ 8 2127 GMT | | | | 3/ 9 0 5 GMT | | | | 3/ 9 3 0 GMT | | | | 3/ 9 623 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 300 | 10.5 | 9.2 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 278 | 14.9 | 14.8 | -2.0 | 2 | 267 | 13.7 | 13.7 | .6 | 2 | 275 | 18.0 | 17.9 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 2 | 287 | 10.5 | 10.1 | -3.2 | 2 | 292 | 13.0 | 12.1 | -4.8 | 2 | 280 | 11.9 | 11.7 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 2 | 311 | 13.8 | 10.4 | -9.1 | 2 | 315 | 15.2 | 10.7 | -10.8 | 2 | 323 | 16.1 | 9.6 | -12.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 2 | 251 | 7.4 | 7.0 | 2.4 | 2 | 266 | 8.9 | 8.9 | .6 | 2 | 281 | 9.6 | 9.4 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 2 | 245 | 17.4 | 15.8 | 7.4 | 2 | 249 | 16.1 | 15.0 | 5.9 | 2 | 255 | 18.3 | 17.7 | 4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 2 | 247 | 15.8 | 14.5 | 6.2 | 2 | 248 | 17.7 | 16.3 | 6.7 | 2 | 252 | 20.1 | 19.1 | 6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 2 | 251 | 16.0 | 15.1 | 5.2 | 2 | 250 | 17.9 | 16.8 | 6.1 | 2 | 250 | 20.0 | 18.8 | 6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 2 | 258 | 17.6 | 17.2 | 3.7 | 2 | 255 | 17.8 | 17.2 | 4.6 | 2 | 256 | 20.8 | 20.2 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 2 | 268 | 18.4 | 18.3 | .7 | 2 | 261 | 20.0 | 19.8 | 3.0 | 2 | 262 | 21.2 | 21.0 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 2 | 274 | 18.4 | 18.4 | -1.3 | 2 | 266 | 22.0 | 21.9 | 1.5 | 2 | 267 | 21.5 | 21.5 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 2 | 278 | 18.9 | 18.7 | -2.7 | 2 | 275 | 23.8 | 23.7 | -2.2 | 2 | 274 | 22.7 | 22.6 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 2 | 286 | 18.1 | 17.4 | -5.1 | 2 | 283 | 24.0 | 23.3 | -5.5 | 2 | 281 | 22.1 | 21.6 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 2 | 293 | 18.4 | 16.9 | -7.2 | 2 | 288 | 21.5 | 20.4 | -6.7 | 2 | 288 | 19.5 | 18.5 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 2 | 290 | 19.1 | 18.0 | -6.4 | 2 | 295 | 18.5 | 16.8 | -7.8 | 2 | 299 | 16.5 | 14.5 | -7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 2 | 301 | 18.0 | 15.4 | -9.3 | 2 | 303 | 18.1 | 15.2 | -9.8 | 2 | 306 | 16.3 | 13.2 | -9.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 2 | 299 | 14.3 | 12.5 | -6.8 | 2 | 306 | 13.6 | 11.0 | -8.0 | 2 | 318 | 14.0 | 9.3 | -10.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 2 | 292 | 13.0 | 12.1 | -4.9 | 2 | 294 | 12.7 | 11.6 | -5.1 | 2 | 305 | 10.9 | 8.9 | -6.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 2 | 281 | 10.5 | 10.3 | -2.1 | 2 | 287 | 11.0 | 10.5 | -3.3 | 2 | 291 | 12.0 | 11.2 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 2 | 271 | 4.4 | 4.4 | -.1 | 2 | 281 | 4.8 | 4.7 | -.9 | 2 | 290 | 6.0 | 5.6 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 2 | 340 | 4.1 | 1.4 | -3.9 | 2 | 341 | 4.9 | 1.6 | -4.6 | 2 | 342 | 2.5 | .8 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 2 | 344 | 5.1 | 1.4 | -4.9 | 2 | 353 | 4.8 | .6 | -4.8 | 2 | 5 | 4.3 | -.4 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 2 | 9 | 7.4 | -1.1 | -7.3 | 2 | 3 | 6.8 | -.4 | -6.8 | 2 | 13 | 7.2 | -1.6 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 2 | 355 | 6.2 | .5 | -6.2 | 2 | 353 | 6.1 | .7 | -6.0 | 2 | 353 | 5.0 | .6 | -5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | 2 | 278 | 5.1 | 5.1 | -.7 | 2 | 284 | 4.6 | 4.4 | -1.1 | 2 | 263 | 4.9 | 4.9 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 2 | 270 | 4.0 | 4.0 | .0 | 2 | 254 | 3.6 | 3.5 | 1.0 | 2 | 240 | 2.8 | 2.4 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 2 | 292 | 2.0 | 1.8 | -.8 | 2 | 268 | 2.6 | 2.6 | .1 | 2 | 248 | 2.9 | 2.6 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 2 | 197 | 1.0 | .3 | 1.0 | 2 | 244 | 1.0 | .9 | .4 | 2 | 223 | 2.5 | 1.7 | 1.9 | 2 | 218 | 3.1 | 1.9 | 2.4 | 5460 |
| 550 | 2 | 205 | 3.6 | 1.5 | 3.3 | 2 | 200 | 4.7 | 1.6 | 4.4 | 2 | 206 | 6.0 | 2.7 | 5.4 | 2 | 217 | 8.1 | 4.9 | 6.5 | 5091 |
| 575 | 2 | 220 | 5.1 | 3.3 | 3.9 | 2 | 213 | 6.9 | 3.7 | 5.8 | 2 | 212 | 8.4 | 4.4 | 7.1 | 2 | 230 | 10.0 | 7.6 | 6.4 | 4736 |
| 600 | 2 | 207 | 3.9 | 1.7 | 3.4 | 2 | 227 | 5.5 | 4.0 | 3.8 | 2 | 227 | 5.1 | 3.7 | 3.4 | 2 | 235 | 6.1 | 5.0 | 3.5 | 4393 |
| 625 | 2 | 151 | 5.2 | -2.6 | 4.6 | 2 | 184 | 3.7 | .2 | 3.7 | 2 | 209 | 2.7 | 1.3 | 2.4 | 2 | 197 | 3.5 | 1.0 | 3.3 | 4062 |
| 650 | 2 | 135 | 6.9 | -4.9 | 4.9 | 2 | 146 | 5.8 | -3.3 | 4.8 | 2 | 144 | 4.3 | -2.6 | 3.5 | 2 | 155 | 5.3 | -2.2 | 4.8 | 3742 |
| 675 | 2 | 113 | 7.9 | -7.3 | 3.0 | 2 | 123 | 6.4 | -5.4 | 3.5 | 2 | 109 | 5.5 | -5.2 | 1.8 | 2 | 134 | 5.2 | -3.7 | 3.6 | 3431 |
| 700 | 2 | 94 | 6.3 | -6.3 | .5 | 2 | 97 | 6.6 | -6.5 | .8 | 2 | 82 | 7.3 | -7.3 | -1.0 | 2 | 86 | 5.0 | -5.0 | -.4 | 3130 |
| 725 | | 76 | 7.1 | -6.9 | -1.7 | 2 | 86 | 6.5 | -6.4 | -.5 | 2 | 69 | 7.3 | -6.9 | -2.6 | 2 | 58 | 8.0 | -6.8 | -4.3 | 2837 |
| 750 | | 70 | 12.4 | -11.7 | -4.1 | 2 | 75 | 8.6 | -8.3 | -2.2 | 2 | 67 | 7.1 | -6.6 | -2.7 | 2 | 59 | 11.0 | -9.4 | -5.6 | 2553 |
| 775 | | 69 | 15.3 | -14.3 | -5.5 | 2 | 67 | 12.3 | -11.3 | -4.8 | 2 | 69 | 9.7 | -9.1 | -3.6 | 2 | 65 | 14.1 | -12.8 | -5.8 | 2276 |
| 800 | | 70 | 15.2 | -14.3 | -5.1 | 2 | 66 | 14.0 | -12.7 | -5.7 | 2 | 62 | 13.1 | -11.6 | -6.0 | 3 | 69 | 16.1 | -15.0 | -5.7 | 2007 |
| 825 | | 74 | 14.4 | -13.8 | -4.0 | 2 | 69 | 13.8 | -12.9 | -5.0 | 2 | 64 | 15.5 | -13.9 | -6.9 | 3 | 74 | 16.8 | -16.2 | -4.5 | 1745 |
| 850 | | 76 | 14.5 | -14.1 | -3.5 | | 74 | 14.9 | -14.4 | -4.1 | 2 | 70 | 16.4 | -15.4 | -5.7 | | 77 | 17.6 | -17.1 | -3.9 | 1490 |
| 875 | | 77 | 15.4 | -15.1 | -3.3 | | 80 | 17.6 | -17.3 | -3.0 | | 75 | 16.4 | -15.8 | -4.3 | | 75 | 18.1 | -17.5 | -4.7 | 1242 |
| 900 | | 81 | 16.6 | -16.4 | -2.7 | | 83 | 18.5 | -18.3 | -2.2 | | 77 | 16.6 | -16.2 | -3.7 | | 73 | 17.5 | -16.8 | -5.1 | 999 |
| 925 | | 84 | 16.6 | -16.5 | -1.9 | | 84 | 16.3 | -16.2 | -1.6 | | 78 | 16.0 | -15.6 | -3.2 | | 75 | 15.9 | -15.3 | -4.2 | 762 |
| 950 | | 86 | 14.3 | -14.3 | -1.1 | | 85 | 13.4 | -13.3 | -1.1 | | 81 | 13.6 | -13.5 | -2.1 | | 79 | 13.9 | -13.7 | -2.7 | 529 |
| 975 | | 90 | 10.7 | -10.7 | .1 | | 85 | 12.2 | -12.2 | -1.0 | | 84 | 11.3 | -11.3 | -1.1 | | 84 | 12.4 | -12.3 | -1.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/ 9 925 GMT | | | | 3/ 9 1145 GMT | | | | 3/ 9 18 0 GMT | | | | 3/10 0 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 215 | 5.8 | 3.4 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 228 | 6.4 | 4.8 | 4.3 | 19517 |
| 70 | 2 | 272 | 17.7 | 17.7 | -.6 | 2 | 271 | 14.4 | 14.4 | -.3 | 2 | 270 | 15.8 | 15.8 | -.0 | 2 | 271 | 14.4 | 14.4 | -.3 | 18589 |
| 80 | 2 | 308 | 13.4 | 10.6 | -8.2 | 1 | 293 | 14.6 | 13.4 | -5.7 | 2 | 277 | 10.9 | 10.9 | -1.4 | 2 | 270 | 17.2 | 17.2 | .0 | 17801 |
| 90 | 2 | 310 | 14.6 | 11.1 | -9.4 | 2 | 300 | 14.1 | 12.2 | -7.0 | 2 | 315 | 17.6 | 12.4 | -12.5 | 2 | 302 | 15.2 | 12.9 | -8.0 | 17121 |
| 100 | 2 | 282 | 13.6 | 13.3 | -2.8 | 2 | 309 | 15.7 | 12.2 | -9.9 | 2 | 317 | 21.3 | 14.5 | -15.5 | 2 | 306 | 19.9 | 16.1 | -11.6 | 16521 |
| 110 | 2 | 261 | 20.5 | 20.2 | 3.1 | 2 | 274 | 15.8 | 15.7 | -1.2 | 2 | 289 | 17.2 | 16.3 | -5.5 | 2 | 282 | 22.3 | 21.9 | -4.7 | 15978 |
| 120 | 2 | 260 | 19.0 | 18.7 | 3.3 | 2 | 254 | 24.0 | 23.0 | 6.8 | 2 | 264 | 21.8 | 21.7 | 2.1 | 2 | 280 | 28.6 | 28.2 | -4.8 | 15479 |
| 130 | 2 | 261 | 20.5 | 20.2 | 3.4 | 2 | 264 | 25.2 | 25.0 | 2.7 | 2 | 258 | 22.2 | 21.7 | 4.7 | 2 | 277 | 25.8 | 25.6 | -3.2 | 15014 |
| 140 | 2 | 263 | 25.5 | 25.2 | 3.2 | 2 | 263 | 26.8 | 26.6 | 3.2 | 2 | 257 | 21.3 | 20.8 | 4.8 | 2 | 266 | 22.9 | 22.8 | 1.8 | 14578 |
| 150 | 2 | 278 | 21.2 | 21.0 | -3.0 | 2 | 270 | 26.1 | 26.1 | .2 | 2 | 267 | 23.3 | 23.2 | 1.3 | 2 | 264 | 23.1 | 23.0 | 2.4 | 14167 |
| 160 | 2 | 264 | 28.7 | 28.5 | 2.9 | 2 | 274 | 25.0 | 24.9 | -1.8 | 2 | 270 | 22.8 | 22.8 | .1 | 2 | 271 | 24.0 | 24.0 | -.4 | 13776 |
| 170 | 2 | 276 | 26.4 | 26.3 | -2.6 | 2 | 275 | 23.9 | 23.8 | -2.3 | 2 | 272 | 21.4 | 21.4 | -.7 | 2 | 279 | 23.5 | 23.2 | -3.7 | 13404 |
| 180 | 2 | 283 | 25.3 | 24.7 | -5.5 | 2 | 278 | 23.9 | 23.6 | -3.2 | 2 | 282 | 25.0 | 24.5 | -5.0 | 2 | 289 | 21.0 | 19.8 | -6.9 | 13049 |
| 190 | 2 | 286 | 24.8 | 23.9 | -6.6 | 2 | 282 | 23.9 | 23.4 | -4.9 | 2 | 279 | 24.6 | 24.2 | -3.9 | 2 | 295 | 20.8 | 18.8 | -8.7 | 12709 |
| 200 | 2 | 286 | 24.3 | 23.3 | -6.8 | 2 | 285 | 24.3 | 23.5 | -6.3 | 2 | 282 | 23.2 | 22.7 | -4.8 | 2 | 295 | 22.1 | 20.0 | -9.4 | 12383 |
| 225 | 2 | 310 | 17.6 | 13.5 | -11.2 | 2 | 302 | 16.4 | 14.0 | -8.6 | 2 | 288 | 20.1 | 19.1 | -6.2 | 2 | 305 | 22.4 | 18.2 | -12.9 | 11617 |
| 250 | | | | | | 2 | 308 | 13.0 | 10.3 | -8.0 | 0 | 300 | 15.1 | 13.0 | -7.7 | 2 | 308 | 20.0 | 15.8 | -12.2 | 10914 |
| 275 | 2 | 291 | 11.6 | 10.9 | -4.1 | 2 | 299 | 10.7 | 9.4 | -5.2 | 0 | 298 | 13.3 | 11.8 | -6.2 | 2 | 303 | 14.0 | 11.7 | -7.7 | 10262 |
| 300 | 2 | 297 | 8.9 | 8.0 | -4.0 | 2 | 294 | 10.7 | 9.8 | -4.4 | 0 | 309 | 11.4 | 8.8 | -7.2 | 2 | 315 | 11.7 | 8.3 | -8.3 | 9654 |
| 325 | 2 | 301 | 5.8 | 5.0 | -3.0 | 2 | 299 | 7.3 | 6.4 | -3.6 | 2 | 322 | 9.6 | 5.8 | -7.6 | 2 | 319 | 10.3 | 6.7 | -7.8 | 9084 |
| 350 | 2 | 282 | 2.9 | 2.8 | -.6 | 2 | 325 | 3.8 | 2.2 | -3.1 | 2 | 309 | 6.1 | 4.7 | -3.9 | 2 | 323 | 9.3 | 5.5 | -7.5 | 8546 |
| 375 | 2 | 38 | 4.5 | -2.8 | -3.6 | 2 | 29 | 2.7 | -1.3 | -2.3 | 2 | 304 | 2.1 | 1.8 | -1.2 | 2 | 321 | 7.2 | 4.5 | -5.6 | 8039 |
| 400 | 2 | 25 | 6.5 | -2.7 | -5.9 | 2 | 20 | 5.4 | -1.8 | -5.1 | 2 | 59 | 3.7 | -3.2 | -1.9 | 2 | 355 | 1.3 | .1 | -1.3 | 7557 |
| 425 | 2 | 4 | 4.7 | -.4 | -4.7 | 2 | 23 | 7.1 | -2.8 | -6.5 | 2 | 36 | 5.6 | -3.3 | -4.6 | 2 | 47 | 5.4 | -3.9 | -3.7 | 7099 |
| 450 | 2 | 268 | 4.8 | 4.8 | .2 | 2 | 328 | 3.4 | 1.8 | -2.9 | 2 | 2 | 2.2 | -.1 | -2.2 | 2 | 25 | 4.2 | -1.8 | -3.8 | 6662 |
| 475 | 2 | 299 | 2.2 | 1.9 | -1.1 | 2 | 263 | 4.6 | 4.5 | .5 | 2 | 281 | 3.9 | 3.9 | -.8 | 2 | 301 | 3.7 | 3.1 | -1.9 | 6244 |
| 500 | 2 | 272 | 2.8 | 2.8 | -.1 | 2 | 297 | 1.9 | 1.7 | -.8 | 2 | 350 | 3.0 | .5 | -2.9 | 2 | 343 | 2.4 | .7 | -2.3 | 5844 |
| 525 | 2 | 242 | 2.8 | 2.5 | 1.3 | 2 | 277 | 1.6 | 1.6 | -.2 | 2 | 341 | 2.4 | .8 | -2.3 | 2 | 356 | 1.5 | .1 | -1.5 | 5460 |
| 550 | 2 | 214 | 5.1 | 2.9 | 4.2 | 2 | 230 | 4.3 | 3.3 | 2.8 | 2 | 255 | 3.0 | 2.9 | .8 | 2 | 240 | 1.2 | 1.0 | .6 | 5091 |
| 575 | 2 | 209 | 8.1 | 3.9 | 7.1 | 2 | 210 | 6.9 | 3.5 | 5.9 | 2 | 205 | 6.2 | 2.6 | 5.7 | 2 | 205 | 4.6 | 1.9 | 4.1 | 4736 |
| 600 | 2 | 217 | 5.1 | 3.1 | 4.0 | 2 | 236 | 4.6 | 3.8 | 2.6 | 2 | 229 | 3.3 | 2.5 | 2.2 | 2 | 220 | 4.9 | 3.2 | 3.8 | 4393 |
| 625 | 2 | 203 | 2.0 | .8 | 1.8 | 2 | 226 | 1.5 | 1.1 | 1.0 | 2 | 198 | 1.1 | .3 | 1.0 | 2 | 262 | 4.0 | 4.0 | .6 | 4062 |
| 650 | 2 | 146 | 4.7 | -2.6 | 3.9 | 2 | 149 | 4.5 | -2.3 | 3.8 | 2 | 141 | 4.0 | -2.5 | 3.1 | 2 | 201 | 2.0 | .7 | 1.8 | 3742 |
| 675 | 2 | 118 | 6.3 | -5.6 | 3.0 | 2 | 116 | 5.9 | -5.3 | 2.6 | 2 | 109 | 8.0 | -7.5 | 2.7 | 2 | 115 | 5.1 | -4.7 | 2.2 | 3431 |
| 700 | 2 | 88 | 6.1 | -6.1 | -.3 | 2 | 90 | 7.4 | -7.4 | -.0 | 2 | 88 | 8.6 | -8.5 | -.3 | 2 | 95 | 6.7 | -6.7 | .6 | 3130 |
| 725 | 2 | 68 | 6.3 | -5.9 | -2.4 | 2 | 68 | 8.0 | -7.4 | -2.9 | 2 | 65 | 8.1 | -7.3 | -3.4 | 2 | 79 | 6.6 | -6.5 | -1.3 | 2837 |
| 750 | 2 | 65 | 8.5 | -7.7 | -3.6 | 2 | 64 | 10.0 | -9.0 | -4.4 | 2 | 63 | 9.6 | -8.6 | -4.3 | 2 | 67 | 8.0 | -7.3 | -3.2 | 2553 |
| 775 | 2 | 71 | 12.2 | -11.5 | -4.0 | 2 | 73 | 10.7 | -10.2 | -3.1 | 2 | 69 | 11.1 | -10.4 | -4.0 | 2 | 68 | 10.1 | -9.3 | -3.8 | 2276 |
| 800 | 2 | 77 | 13.7 | -13.3 | -3.0 | 2 | 80 | 12.8 | -12.6 | -2.2 | 2 | 76 | 12.4 | -12.1 | -3.0 | 2 | 68 | 11.7 | -10.8 | -4.4 | 2007 |
| 825 | 2 | 84 | 12.8 | -12.7 | -1.3 | 2 | 84 | 15.0 | -14.9 | -1.6 | 2 | 83 | 12.8 | -12.7 | -1.6 | 2 | 69 | 12.7 | -11.8 | -4.6 | 1745 |
| 850 | | 83 | 14.7 | -14.6 | -1.8 | 2 | 86 | 15.9 | -15.9 | -1.1 | | 84 | 13.4 | -13.3 | -1.5 | 2 | 73 | 13.5 | -12.9 | -4.0 | 1490 |
| 875 | | 78 | 18.1 | -17.7 | -3.7 | | 82 | 15.6 | -15.5 | -2.1 | | 84 | 14.9 | -14.8 | -1.5 | | 79 | 14.1 | -13.8 | -2.6 | 1242 |
| 900 | | 76 | 19.3 | -18.7 | -4.8 | | 77 | 15.4 | -15.0 | -3.5 | | 86 | 14.7 | -14.6 | -1.1 | | 86 | 14.9 | -14.8 | -1.0 | 999 |
| 925 | | 74 | 17.9 | -17.2 | -4.8 | | 75 | 15.0 | -14.5 | -3.8 | | 84 | 12.3 | -12.2 | -1.3 | | 90 | 14.5 | -14.5 | .1 | 762 |
| 950 | | 74 | 14.5 | -13.9 | -4.0 | | 74 | 12.7 | -12.2 | -3.5 | | 80 | 10.0 | -9.9 | -1.8 | | 94 | 12.2 | -12.2 | .9 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 72 | 10.3 | -9.8 | -3.1 | | 78 | 10.0 | -9.8 | -2.0 | | 98 | 10.3 | -10.2 | 1.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/10 6 2 GMT | | | | 3/10 1135 GMT | | | | 3/10 1450 GMT | | | | 3/10 1732 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 272 | 14.5 | 14.4 | -.5 | 2 | 264 | 11.7 | 11.6 | 1.2 | 2 | 268 | 15.5 | 15.4 | .6 | 2 | 267 | 14.7 | 14.7 | .9 | 18589 |
| 80 | 2 | 280 | 12.7 | 12.5 | -2.3 | 2 | 267 | 14.1 | 14.1 | .7 | 2 | 264 | 13.1 | 13.0 | 1.3 | 2 | 268 | 13.7 | 13.7 | .6 | 17801 |
| 90 | 2 | 298 | 21.1 | 18.7 | -9.9 | 2 | 286 | 22.7 | 21.8 | -6.3 | 2 | 287 | 18.3 | 17.5 | -5.4 | 2 | 283 | 17.9 | 17.5 | -4.1 | 17121 |
| 100 | 2 | 290 | 22.7 | 21.3 | -7.9 | 2 | 295 | 26.3 | 23.8 | -11.1 | 2 | 292 | 30.2 | 28.0 | -11.3 | 2 | 289 | 27.7 | 26.2 | -8.8 | 16521 |
| 110 | 2 | 275 | 28.4 | 28.3 | -2.7 | 2 | 270 | 23.8 | 23.8 | .1 | 2 | 274 | 24.5 | 24.5 | -1.8 | 2 | 272 | 24.2 | 24.2 | -1.0 | 15978 |
| 120 | 2 | 268 | 28.0 | 28.0 | 1.0 | 2 | 275 | 28.3 | 28.2 | -2.3 | 2 | 270 | 29.1 | 29.1 | .0 | 2 | 277 | 27.8 | 27.6 | -3.6 | 15479 |
| 130 | 2 | 273 | 30.2 | 30.2 | -1.5 | 2 | 278 | 31.8 | 31.5 | -4.2 | 2 | 275 | 33.9 | 33.8 | -3.1 | 2 | 283 | 33.8 | 32.9 | -7.8 | 15014 |
| 140 | 2 | 274 | 29.7 | 29.6 | -2.0 | 2 | 277 | 30.5 | 30.2 | -3.6 | 2 | 279 | 33.6 | 33.2 | -5.0 | 2 | 285 | 33.6 | 32.6 | -8.5 | 14578 |
| 150 | 2 | 276 | 28.8 | 28.7 | -3.2 | 2 | 279 | 31.2 | 30.8 | -5.1 | 2 | 274 | 29.6 | 29.5 | -2.2 | 2 | 281 | 30.6 | 30.0 | -5.9 | 14167 |
| 160 | 2 | 282 | 28.5 | 27.8 | -6.1 | 2 | 283 | 32.2 | 31.4 | -7.0 | 2 | 275 | 28.3 | 28.2 | -2.4 | 2 | 278 | 26.5 | 26.2 | -3.9 | 13776 |
| 170 | 2 | 282 | 26.3 | 25.7 | -5.6 | 2 | 284 | 33.3 | 32.3 | -8.0 | 2 | 283 | 30.5 | 29.8 | -6.7 | 2 | 278 | 24.5 | 24.3 | -3.2 | 13404 |
| 180 | 2 | 287 | 27.7 | 26.5 | -7.9 | 2 | 285 | 34.1 | 33.0 | -8.6 | 2 | 287 | 32.5 | 31.1 | -9.4 | 2 | 283 | 25.0 | 24.4 | -5.7 | 13049 |
| 190 | 2 | 292 | 27.1 | 25.2 | -10.0 | 2 | 285 | 30.7 | 29.6 | -7.9 | 2 | 288 | 32.6 | 30.9 | -10.2 | 2 | 290 | 27.6 | 26.0 | -9.2 | 12709 |
| 200 | 2 | 291 | 25.8 | 24.1 | -9.2 | 2 | 292 | 27.4 | 25.5 | -10.2 | 2 | 288 | 29.9 | 28.5 | -9.0 | 2 | 291 | 29.6 | 27.6 | -10.7 | 12383 |
| 225 | 2 | 295 | 26.7 | 24.1 | -11.4 | 2 | 292 | 24.6 | 22.9 | -9.1 | 2 | 296 | 23.9 | 21.4 | -10.6 | 2 | 289 | 23.9 | 22.6 | -7.8 | 11617 |
| 250 | 2 | 298 | 20.4 | 17.9 | -9.7 | 2 | 300 | 22.6 | 19.6 | -11.1 | 2 | 297 | 23.3 | 20.7 | -10.5 | 2 | 296 | 22.9 | 20.6 | -10.0 | 10914 |
| 275 | 2 | 310 | 19.5 | 14.8 | -12.6 | 2 | 306 | 19.8 | 16.0 | -11.5 | 2 | 302 | 20.2 | 17.1 | -10.8 | 2 | 299 | 20.0 | 17.5 | -9.6 | 10262 |
| 300 | 2 | 313 | 13.0 | 9.5 | -8.8 | 2 | 312 | 15.3 | 11.3 | -10.2 | 2 | 310 | 14.3 | 11.0 | -9.2 | 2 | 300 | 15.8 | 13.7 | -7.9 | 9654 |
| 325 | 2 | 310 | 12.8 | 9.8 | -8.3 | 2 | 308 | 12.7 | 10.1 | -7.8 | 2 | 309 | 12.9 | 10.0 | -8.2 | 2 | 311 | 13.7 | 10.4 | -8.9 | 9084 |
| 350 | 2 | 328 | 11.1 | 5.9 | -9.4 | 2 | 310 | 10.0 | 7.7 | -6.5 | 2 | 308 | 13.3 | 10.4 | -8.2 | 2 | 316 | 13.1 | 9.1 | -9.4 | 8546 |
| 375 | 2 | 320 | 7.8 | 5.0 | -6.0 | 1 | 317 | 8.7 | 5.8 | -6.4 | 2 | 308 | 10.3 | 8.1 | -6.3 | 2 | 318 | 8.8 | 5.9 | -6.5 | 8039 |
| 400 | 2 | 317 | 2.1 | 1.4 | -1.5 | 2 | 318 | 5.1 | 3.4 | -3.8 | 2 | 306 | 7.7 | 6.3 | -4.5 | 2 | 306 | 6.3 | 5.1 | -3.6 | 7557 |
| 425 | 2 | 67 | 2.7 | -2.5 | -1.0 | 2 | 342 | 1.5 | .5 | -1.4 | 2 | 274 | 2.0 | 2.0 | -.2 | 2 | 276 | 2.8 | 2.7 | -.3 | 7099 |
| 450 | 2 | 357 | 2.9 | .1 | -2.9 | 2 | 333 | 3.4 | 1.5 | -3.1 | 2 | 331 | 2.2 | 1.0 | -1.9 | 2 | 327 | .2 | .1 | -.2 | 6662 |
| 475 | 2 | 320 | 6.6 | 4.3 | -5.1 | 2 | 306 | 10.3 | 8.4 | -6.1 | 2 | 317 | 9.6 | 6.5 | -7.0 | 2 | 328 | 7.4 | 4.0 | -6.3 | 6244 |
| 500 | 2 | 351 | 1.8 | .3 | -1.8 | 2 | 307 | 7.6 | 6.0 | -4.5 | 2 | 316 | 10.1 | 7.0 | -7.2 | 2 | 317 | 9.2 | 6.2 | -6.7 | 5844 |
| 525 | 2 | 75 | .7 | -.7 | -.2 | 2 | 294 | 2.7 | 2.5 | -1.1 | 2 | 301 | 4.8 | 4.1 | -2.5 | 2 | 304 | 4.6 | 3.8 | -2.6 | 5460 |
| 550 | 2 | 164 | 2.4 | -.7 | 2.3 | 2 | 243 | 1.9 | 1.7 | .9 | 2 | 239 | 2.6 | 2.3 | 1.4 | 2 | 237 | 3.4 | 2.9 | 1.9 | 5091 |
| 575 | 2 | 216 | 2.7 | 1.6 | 2.2 | 2 | 230 | 3.7 | 2.8 | 2.4 | 2 | 247 | 6.0 | 5.5 | 2.3 | 2 | 225 | 5.3 | 3.7 | 3.8 | 4736 |
| 600 | 2 | 214 | 6.4 | 3.5 | 5.3 | 2 | 228 | 4.6 | 3.4 | 3.1 | 2 | 197 | 4.2 | 1.2 | 4.0 | 2 | 228 | 5.1 | 3.7 | 3.4 | 4393 |
| 625 | 2 | 226 | 3.4 | 2.4 | 2.4 | 2 | 239 | 3.5 | 3.0 | 1.8 | 2 | 226 | 2.6 | 1.9 | 1.8 | 2 | 236 | 3.2 | 2.6 | 1.8 | 4062 |
| 650 | 2 | 276 | 2.5 | 2.5 | -.2 | 2 | 284 | 2.5 | 2.4 | -.6 | 2 | 276 | 2.9 | 2.8 | -.3 | 2 | 248 | 2.3 | 2.1 | .9 | 3742 |
| 675 | 2 | 147 | 3.0 | -1.7 | 2.5 | 2 | 143 | 1.2 | -.7 | .9 | 2 | 195 | 2.3 | .6 | 2.3 | 2 | 198 | 3.5 | 1.1 | 3.3 | 3431 |
| 700 | 2 | 111 | 7.5 | -7.0 | 2.7 | 2 | 102 | 5.4 | -5.3 | 1.1 | 2 | 118 | 4.2 | -3.7 | 1.9 | 2 | 90 | 4.5 | -4.5 | .0 | 3130 |
| 725 | 2 | 99 | 8.0 | -7.9 | 1.2 | 2 | 91 | 7.1 | -7.1 | .1 | 2 | 90 | 7.7 | -7.7 | -.1 | 2 | 77 | 9.4 | -9.2 | -2.1 | 2837 |
| 750 | 2 | 90 | 7.7 | -7.7 | .1 | 2 | 88 | 8.2 | -8.2 | -.3 | 2 | 88 | 8.2 | -8.2 | -.4 | 2 | 83 | 9.1 | -9.0 | -1.1 | 2553 |
| 775 | 2 | 87 | 8.6 | -8.6 | -.5 | 2 | 84 | 11.0 | -11.0 | -1.2 | 2 | 89 | 8.9 | -8.9 | -.1 | 2 | 82 | 8.3 | -8.2 | -1.2 | 2276 |
| 800 | 2 | 84 | 10.6 | -10.5 | -1.1 | 2 | 85 | 13.7 | -13.6 | -1.1 | 2 | 86 | 12.3 | -12.2 | -.9 | 2 | 85 | 11.3 | -11.3 | -.9 | 2007 |
| 825 | 2 | 85 | 14.4 | -14.4 | -1.2 | 2 | 92 | 16.3 | -16.3 | .6 | 2 | 89 | 15.2 | -15.2 | -.4 | 2 | 96 | 14.9 | -14.8 | 1.4 | 1745 |
| 850 | 2 | 90 | 18.2 | -18.2 | .0 | | 94 | 17.3 | -17.2 | 1.2 | 2 | 91 | 16.1 | -16.1 | .3 | 2 | 97 | 16.4 | -16.3 | 2.0 | 1490 |
| 875 | | 93 | 18.3 | -18.3 | .9 | | 88 | 15.3 | -15.3 | -.5 | | 92 | 15.7 | -15.7 | .6 | | 93 | 15.8 | -15.7 | .7 | 1242 |
| 900 | | 91 | 15.6 | -15.6 | .2 | | 82 | 13.4 | -13.3 | -1.8 | | 95 | 15.5 | -15.4 | 1.4 | | 93 | 14.3 | -14.3 | .8 | 999 |
| 925 | | 87 | 13.5 | -13.5 | -.7 | | 86 | 12.5 | -12.4 | -.9 | | 96 | 13.6 | -13.5 | 1.3 | | 100 | 12.3 | -12.1 | 2.2 | 762 |
| 950 | | 89 | 11.6 | -11.6 | -.1 | | 94 | 11.0 | -10.9 | .8 | | 97 | 10.2 | -10.1 | 1.3 | | 106 | 10.1 | -9.8 | 2.8 | 529 |
| 975 | | 101 | 9.5 | -9.3 | 1.8 | | 99 | 8.0 | -7.9 | 1.3 | | 106 | 7.8 | -7.5 | 2.1 | | 114 | 9.3 | -8.5 | 3.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/10 2055 GMT | | | | 3/11 010 GMT | | | | 3/11 3 4 GMT | | | | 3/11 6 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 168 | 5.2 | -1.1 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 262 | 9.2 | 9.1 | 1.2 | 2 | 262 | 13.9 | 13.7 | 2.0 | 2 | 270 | 13.6 | 13.6 | .1 | 2 | 224 | 7.8 | 5.4 | 5.7 | 18589 |
| 80 | 2 | 276 | 14.6 | 14.5 | -1.4 | 2 | 265 | 19.6 | 19.5 | 1.7 | 2 | 253 | 16.1 | 15.4 | 4.6 | 2 | 257 | 18.7 | 18.3 | 4.1 | 17801 |
| 90 | 2 | 260 | 15.0 | 14.8 | 2.5 | 2 | 268 | 14.8 | 14.8 | .5 | 2 | 259 | 14.8 | 14.5 | 2.9 | 2 | 280 | 17.4 | 17.1 | -3.0 | 17121 |
| 100 | 2 | 279 | 21.9 | 21.6 | -3.6 | 2 | 278 | 20.5 | 20.3 | -3.0 | 2 | 278 | 21.0 | 20.7 | -3.1 | 2 | 281 | 21.7 | 21.3 | -4.3 | 16521 |
| 110 | 2 | 283 | 23.2 | 22.6 | -5.1 | 2 | 282 | 25.7 | 25.1 | -5.4 | 2 | 279 | 23.5 | 23.2 | -3.7 | 2 | 289 | 22.3 | 21.0 | -7.4 | 15978 |
| 120 | 2 | 280 | 26.3 | 25.9 | -4.6 | 2 | 287 | 27.4 | 26.2 | -8.0 | 2 | 299 | 26.7 | 23.3 | -13.1 | 2 | 295 | 32.1 | 29.1 | -13.6 | 15479 |
| 130 | 2 | 287 | 35.3 | 33.8 | -10.1 | 2 | 287 | 33.9 | 32.5 | -9.8 | 2 | 292 | 30.2 | 28.0 | -11.3 | 2 | 289 | 35.6 | 33.6 | -11.9 | 15014 |
| 140 | 2 | 289 | 36.2 | 34.1 | -12.1 | 2 | 288 | 36.4 | 34.7 | -11.0 | 2 | 281 | 35.5 | 34.8 | -7.0 | 2 | 280 | 33.3 | 32.7 | -5.9 | 14578 |
| 150 | 2 | 288 | 32.5 | 30.9 | -10.2 | 2 | 286 | 37.3 | 35.9 | -10.3 | 2 | 281 | 37.3 | 36.6 | -7.1 | 2 | 279 | 33.1 | 32.7 | -5.3 | 14167 |
| 160 | 2 | 282 | 28.6 | 27.9 | -6.0 | 2 | 286 | 33.2 | 31.9 | -9.1 | 2 | 279 | 35.3 | 34.9 | -5.3 | 2 | 279 | 32.4 | 32.0 | -4.8 | 13776 |
| 170 | 2 | 279 | 27.4 | 27.1 | -4.2 | 2 | 287 | 31.6 | 30.3 | -9.1 | 2 | 280 | 33.6 | 33.0 | -5.8 | 2 | 278 | 32.1 | 31.7 | -4.5 | 13404 |
| 180 | 2 | 278 | 26.8 | 26.5 | -3.6 | 2 | 281 | 29.6 | 29.0 | -5.9 | 2 | 283 | 29.5 | 28.8 | -6.4 | 2 | 283 | 30.4 | 29.6 | -6.8 | 13049 |
| 190 | 2 | 280 | 25.2 | 24.8 | -4.4 | 2 | 280 | 27.5 | 27.1 | -4.7 | 2 | 279 | 29.3 | 28.9 | -4.7 | 2 | 285 | 28.9 | 27.9 | -7.4 | 12709 |
| 200 | 2 | 287 | 25.0 | 23.9 | -7.3 | 2 | 277 | 26.9 | 26.7 | -3.2 | 2 | 278 | 28.3 | 28.1 | -3.9 | 2 | 283 | 27.9 | 27.3 | -6.1 | 12383 |
| 225 | 2 | 288 | 26.9 | 25.5 | -8.5 | 2 | 286 | 24.1 | 23.2 | -6.7 | 2 | 283 | 24.2 | 23.5 | -5.5 | 2 | 279 | 24.7 | 24.4 | -3.7 | 11617 |
| 250 | 2 | 296 | 23.1 | 20.8 | -10.1 | 2 | 294 | 25.2 | 23.0 | -10.2 | 2 | 298 | 23.1 | 20.4 | -10.8 | 2 | 288 | 21.4 | 20.4 | -6.7 | 10914 |
| 275 | 2 | 303 | 21.7 | 18.3 | -11.7 | 2 | 292 | 21.8 | 20.2 | -8.1 | 2 | 288 | 23.7 | 22.5 | -7.3 | 2 | 287 | 16.4 | 15.7 | -4.7 | 10262 |
| 300 | 2 | 305 | 17.6 | 14.5 | -10.0 | 2 | 300 | 16.7 | 14.4 | -8.4 | 2 | 292 | 15.3 | 14.1 | -5.8 | 2 | 296 | 14.6 | 13.2 | -6.3 | 9654 |
| 325 | 2 | 311 | 14.9 | 11.2 | -9.8 | 2 | 307 | 14.1 | 11.3 | -8.4 | 2 | 299 | 13.6 | 11.9 | -6.7 | 2 | 302 | 10.5 | 8.9 | -5.6 | 9084 |
| 350 | 2 | 312 | 13.3 | 9.8 | -9.0 | 2 | 309 | 11.6 | 8.9 | -7.4 | 2 | 304 | 9.9 | 8.1 | -5.6 | 2 | 311 | 10.4 | 7.8 | -6.8 | 8546 |
| 375 | 2 | 327 | 8.5 | 4.7 | -7.1 | 2 | 328 | 6.1 | 3.2 | -5.2 | 2 | 321 | 7.1 | 4.5 | -5.5 | 2 | 298 | 6.2 | 5.5 | -2.9 | 8039 |
| 400 | 2 | 316 | 5.6 | 3.9 | -4.0 | 2 | 298 | 4.9 | 4.4 | -2.3 | 2 | 297 | 2.7 | 2.4 | -1.2 | 2 | 236 | 2.9 | 2.4 | 1.6 | 7557 |
| 425 | 2 | 280 | 3.0 | 2.9 | -.5 | 2 | 180 | 2.3 | .0 | 2.3 | 2 | 259 | 3.5 | 3.5 | .7 | 2 | 189 | 4.5 | .7 | 4.4 | 7099 |
| 450 | 2 | 182 | 1.7 | .1 | 1.7 | 2 | 291 | 1.1 | 1.1 | -.4 | 2 | 194 | .8 | .2 | .8 | 2 | 278 | 3.8 | 3.7 | -.5 | 6662 |
| 475 | 2 | 318 | 4.9 | 3.3 | -3.6 | 2 | 318 | 6.2 | 4.1 | -4.6 | 2 | 288 | 5.7 | 5.4 | -1.8 | 2 | 319 | 5.7 | 3.7 | -4.2 | 6244 |
| 500 | 2 | 322 | 7.2 | 4.4 | -5.7 | 2 | 321 | 7.5 | 4.7 | -5.8 | 2 | 311 | 6.9 | 5.2 | -4.5 | 2 | 312 | 4.7 | 3.5 | -3.1 | 5844 |
| 525 | 2 | 296 | 5.4 | 4.9 | -2.3 | 2 | 305 | 5.4 | 4.4 | -3.1 | 2 | 312 | 6.1 | 4.6 | -4.1 | 1 | 251 | 4.9 | 4.7 | 1.6 | 5460 |
| 550 | 2 | 242 | 4.2 | 3.7 | 2.0 | 2 | 248 | 5.5 | 5.1 | 2.1 | 2 | 253 | 4.6 | 4.4 | 1.3 | 1 | 248 | 4.8 | 4.5 | 1.8 | 5091 |
| 575 | 2 | 235 | 5.9 | 4.8 | 3.3 | 2 | 239 | 7.4 | 6.4 | 3.8 | 2 | 241 | 8.1 | 7.0 | 4.0 | 1 | 228 | 6.3 | 4.7 | 4.2 | 4736 |
| 600 | 2 | 230 | 5.5 | 4.2 | 3.6 | 2 | 228 | 5.4 | 4.0 | 3.6 | 2 | 235 | 6.9 | 5.6 | 3.9 | 1 | 228 | 5.5 | 4.1 | 3.7 | 4393 |
| 625 | 2 | 211 | 5.4 | 2.8 | 4.6 | 2 | 226 | 3.4 | 2.4 | 2.4 | 2 | 205 | 3.7 | 1.5 | 3.3 | 2 | 232 | 3.6 | 2.8 | 2.2 | 4062 |
| 650 | 2 | 232 | 3.1 | 2.4 | 1.9 | 2 | 265 | 3.0 | 3.0 | .3 | 2 | 217 | 2.0 | 1.2 | 1.6 | 2 | 254 | 2.6 | 2.5 | .7 | 3742 |
| 675 | 2 | 255 | 1.0 | 1.0 | .3 | 2 | 266 | 1.7 | 1.7 | .1 | 2 | 264 | 3.7 | 3.6 | .4 | 2 | 272 | 4.5 | 4.5 | -.1 | 3431 |
| 700 | 2 | 139 | 1.2 | -.8 | .9 | 2 | 105 | 2.3 | -2.2 | .6 | 2 | 272 | 2.3 | 2.3 | -.1 | 2 | 287 | 3.5 | 3.4 | -1.0 | 3130 |
| 725 | 3 | 74 | 5.5 | -5.3 | -1.5 | 2 | 74 | 6.3 | -6.1 | -1.8 | 2 | 65 | 3.3 | -3.0 | -1.4 | 3 | 39 | 3.8 | -2.4 | -3.0 | 2837 |
| 750 | | 76 | 9.1 | -8.9 | -2.2 | 2 | 78 | 7.8 | -7.6 | -1.6 | 2 | 84 | 6.9 | -6.9 | -.7 | | 77 | 6.0 | -5.8 | -1.3 | 2553 |
| 775 | | 85 | 10.2 | -10.2 | -.9 | 2 | 101 | 7.5 | -7.4 | 1.4 | 2 | 99 | 8.0 | -7.9 | 1.3 | | 99 | 7.7 | -7.6 | 1.2 | 2276 |
| 800 | | 85 | 10.5 | -10.5 | -1.0 | 2 | 99 | 8.2 | -8.1 | 1.3 | 2 | 98 | 8.4 | -8.3 | 1.1 | | 98 | 10.6 | -10.5 | 1.4 | 2007 |
| 825 | | 85 | 10.7 | -10.7 | -1.0 | 2 | 89 | 10.7 | -10.7 | -.1 | 2 | 90 | 9.7 | -9.7 | .1 | | 98 | 12.5 | -12.4 | 1.7 | 1745 |
| 850 | | 91 | 12.9 | -12.9 | .2 | 2 | 93 | 13.1 | -13.1 | .6 | | 96 | 12.4 | -12.3 | 1.4 | | 99 | 13.7 | -13.5 | 2.2 | 1490 |
| 875 | | 96 | 14.9 | -14.8 | 1.6 | | 102 | 13.9 | -13.6 | 2.9 | | 105 | 15.3 | -14.8 | 3.9 | 3 | 97 | 14.9 | -14.8 | 1.8 | 1242 |
| 900 | | 100 | 14.8 | -14.5 | 2.6 | | 104 | 13.5 | -13.1 | 3.3 | | 106 | 16.1 | -15.5 | 4.4 | 2 | 95 | 14.5 | -14.5 | 1.2 | 999 |
| 925 | 2 | 102 | 13.1 | -12.8 | 2.6 | | 104 | 11.5 | -11.1 | 2.8 | | 102 | 14.6 | -14.3 | 3.0 | 2 | 95 | 12.2 | -12.1 | 1.0 | 762 |
| 950 | 2 | 104 | 10.1 | -9.8 | 2.4 | | 110 | 9.9 | -9.3 | 3.4 | | 99 | 11.7 | -11.6 | 1.8 | 2 | 95 | 10.0 | -10.0 | .9 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 8.6 | -8.4 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/11 835 GMT | | | | 3/11 12 0 GMT | | | | 3/12 620 GMT | | | | 3/12 12 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 82 | 4.0 | -3.9 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 269 | 13.6 | 13.6 | .2 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 264 | 14.7 | 14.7 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 244 | 6.6 | 5.9 | 3.0 | 18589 |
| 80 | 2 | 258 | 15.1 | 14.7 | 3.2 | 2 | 248 | 17.6 | 16.3 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 252 | 11.7 | 11.2 | 3.6 | 17801 |
| 90 | 2 | 272 | 12.1 | 12.1 | -.4 | 2 | 252 | 19.5 | 18.5 | 6.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 255 | 16.7 | 16.1 | 4.2 | 17121 |
| 100 | 2 | 280 | 21.2 | 20.9 | -3.7 | 2 | 279 | 16.6 | 16.4 | -2.6 | 2 | 226 | 10.1 | 7.2 | 7.0 | 2 | 232 | 22.1 | 17.5 | 13.4 | 16521 |
| 110 | 2 | 285 | 27.6 | 26.6 | -7.2 | 2 | 296 | 22.6 | 20.3 | -9.9 | 2 | 262 | 5.2 | 5.2 | .8 | 2 | 231 | 14.7 | 11.4 | 9.3 | 15978 |
| 120 | 0 | 287 | 28.5 | 27.3 | -8.2 | 2 | 295 | 26.4 | 23.9 | -11.1 | 2 | 290 | 9.0 | 8.4 | -3.0 | 2 | 279 | 8.8 | 8.7 | -1.3 | 15479 |
| 130 | 0 | 289 | 29.9 | 28.2 | -9.7 | 2 | 292 | 28.3 | 26.3 | -10.4 | 2 | 273 | 13.1 | 13.1 | -.6 | 2 | 290 | 12.3 | 11.5 | -4.2 | 15014 |
| 140 | 0 | 287 | 32.1 | 30.7 | -9.4 | 2 | 287 | 32.9 | 31.4 | -9.6 | 2 | 280 | 15.6 | 15.4 | -2.7 | 2 | 288 | 15.5 | 14.7 | -4.9 | 14578 |
| 150 | 0 | 282 | 34.8 | 34.0 | -7.5 | 2 | 284 | 32.5 | 31.5 | -8.1 | 2 | 278 | 21.2 | 21.0 | -2.9 | 2 | 276 | 21.8 | 21.7 | -2.4 | 14167 |
| 160 | 1 | 280 | 35.3 | 34.7 | -6.0 | 2 | 278 | 32.7 | 32.4 | -4.7 | 2 | 265 | 29.0 | 28.9 | 2.4 | 2 | 262 | 27.8 | 27.6 | 3.9 | 13776 |
| 170 | 2 | 278 | 33.0 | 32.7 | -4.8 | 2 | 277 | 32.4 | 32.2 | -3.8 | 2 | 262 | 32.1 | 31.8 | 4.2 | 2 | 257 | 29.0 | 28.3 | 6.5 | 13404 |
| 180 | 2 | 279 | 33.8 | 33.4 | -5.5 | 2 | 278 | 31.8 | 31.5 | -4.5 | 2 | 265 | 30.9 | 30.8 | 2.5 | 2 | 258 | 28.6 | 27.9 | 6.1 | 13049 |
| 190 | 2 | 279 | 29.5 | 29.2 | -4.4 | 2 | 280 | 30.1 | 29.6 | -5.3 | 2 | 268 | 29.8 | 29.8 | 1.1 | 2 | 260 | 28.5 | 28.1 | 5.0 | 12709 |
| 200 | 2 | 284 | 27.7 | 26.9 | -6.6 | 2 | 281 | 28.8 | 28.2 | -5.7 | 2 | 267 | 27.0 | 27.0 | 1.6 | 2 | 265 | 27.8 | 27.7 | 2.5 | 12383 |
| 225 | 2 | 280 | 24.7 | 24.4 | -4.2 | 2 | 283 | 27.1 | 26.4 | -5.9 | 2 | 263 | 18.3 | 18.2 | 2.1 | 2 | 268 | 25.5 | 25.5 | 1.0 | 11617 |
| 250 | 2 | 270 | 18.8 | 18.8 | -.1 | 2 | 287 | 23.9 | 22.8 | -7.2 | 2 | 267 | 14.2 | 14.2 | .7 | 2 | 263 | 16.6 | 16.5 | 2.1 | 10914 |
| 275 | 0 | 272 | 15.5 | 15.5 | -.4 | 2 | 298 | 20.1 | 17.7 | -9.5 | 2 | 282 | 11.7 | 11.5 | -2.4 | 2 | 282 | 13.0 | 12.7 | -2.8 | 10262 |
| 300 | 1 | 303 | 15.0 | 12.6 | -8.2 | 2 | 289 | 15.5 | 14.7 | -5.1 | 2 | 292 | 13.9 | 12.9 | -5.1 | 2 | 280 | 11.1 | 10.9 | -2.0 | 9654 |
| 325 | 0 | 328 | 12.3 | 6.4 | -10.5 | 2 | 297 | 11.4 | 10.2 | -5.1 | 2 | 269 | 13.0 | 13.0 | .2 | 2 | 278 | 10.9 | 10.8 | -1.6 | 9084 |
| 350 | 1 | 338 | 12.5 | 4.7 | -11.6 | 2 | 304 | 11.8 | 9.8 | -6.6 | 2 | 259 | 14.6 | 14.3 | 2.8 | 2 | 259 | 11.6 | 11.4 | 2.1 | 8546 |
| 375 | 2 | 305 | 5.2 | 4.3 | -3.0 | 2 | 300 | 11.4 | 9.8 | -5.7 | 2 | 262 | 11.1 | 11.0 | 1.6 | 2 | 267 | 10.9 | 10.8 | .5 | 8039 |
| 400 | 2 | 249 | 3.3 | 3.1 | 1.2 | 2 | 275 | 6.5 | 6.5 | -.6 | 2 | 245 | 5.1 | 4.6 | 2.2 | 2 | 258 | 7.7 | 7.6 | 1.6 | 7557 |
| 425 | 2 | 193 | 3.8 | .8 | 3.7 | 2 | 225 | 6.0 | 4.3 | 4.2 | 2 | 225 | 3.4 | 2.4 | 2.4 | 2 | 239 | 4.4 | 3.8 | 2.3 | 7099 |
| 450 | 2 | 261 | 3.1 | 3.1 | .5 | 2 | 191 | 6.5 | 1.3 | 6.4 | 2 | 225 | 5.4 | 3.8 | 3.8 | 2 | 226 | 5.5 | 4.0 | 3.9 | 6662 |
| 475 | 2 | 314 | 4.8 | 3.4 | -3.3 | 2 | 237 | 4.4 | 3.7 | 2.4 | 2 | 176 | 7.9 | -.6 | 7.9 | 2 | 199 | 6.5 | 2.1 | 6.1 | 6244 |
| 500 | 2 | 321 | 4.0 | 2.5 | -3.1 | 2 | 264 | 3.9 | 3.9 | .4 | 2 | 185 | 6.6 | .5 | 6.5 | 2 | 177 | 9.2 | -.4 | 9.2 | 5844 |
| 525 | 2 | 247 | 5.1 | 4.6 | 2.0 | 2 | 241 | 5.6 | 4.9 | 2.7 | 2 | 246 | 4.9 | 4.5 | 2.0 | 2 | 220 | 6.4 | 4.2 | 4.9 | 5460 |
| 550 | 2 | 229 | 7.3 | 5.6 | 4.8 | 2 | 236 | 7.5 | 6.2 | 4.1 | 2 | 213 | 4.6 | 2.5 | 3.8 | 2 | 231 | 5.8 | 4.5 | 3.6 | 5091 |
| 575 | 2 | 225 | 7.3 | 5.2 | 5.2 | 2 | 232 | 10.0 | 7.9 | 6.2 | 2 | 208 | 6.7 | 3.1 | 6.0 | 2 | 205 | 6.6 | 2.8 | 6.0 | 4736 |
| 600 | 2 | 221 | 3.8 | 2.5 | 2.9 | 2 | 234 | 4.7 | 3.8 | 2.8 | 2 | 226 | 6.9 | 5.0 | 4.8 | 2 | 218 | 5.5 | 3.4 | 4.3 | 4393 |
| 625 | 2 | 197 | 2.2 | .6 | 2.1 | 2 | 206 | 2.2 | .9 | 2.0 | 2 | 237 | 4.0 | 3.4 | 2.1 | 2 | 246 | 4.3 | 4.0 | 1.7 | 4062 |
| 650 | 2 | 256 | 1.5 | 1.5 | .4 | 2 | 225 | 2.3 | 1.6 | 1.6 | 2 | 158 | .6 | -.2 | .5 | 2 | 290 | 1.5 | 1.4 | -.5 | 3742 |
| 675 | 2 | 292 | 4.3 | 4.0 | -1.6 | 2 | 282 | 4.6 | 4.5 | -.9 | 2 | 101 | 2.3 | -2.3 | .4 | 2 | 357 | 2.6 | .2 | -2.6 | 3431 |
| 700 | 2 | 304 | 3.3 | 2.7 | -1.8 | 2 | 297 | 3.6 | 3.2 | -1.6 | | 26 | 1.7 | -.7 | -1.5 | 2 | 343 | 4.0 | 1.2 | -3.9 | 3130 |
| 725 | 2 | 42 | 2.1 | -1.4 | -1.5 | 2 | 81 | 2.9 | -2.9 | -.5 | | 350 | 3.5 | .6 | -3.4 | 2 | 34 | 4.9 | -2.8 | -4.0 | 2837 |
| 750 | 2 | 88 | 3.5 | -3.5 | -.1 | 2 | 103 | 7.8 | -7.6 | 1.8 | | 59 | 4.6 | -4.0 | -2.4 | 2 | 77 | 9.5 | -9.2 | -2.1 | 2553 |
| 775 | 2 | 113 | 6.0 | -5.5 | 2.3 | 2 | 103 | 10.5 | -10.2 | 2.4 | | 86 | 11.0 | -10.9 | -.8 | 2 | 91 | 13.4 | -13.4 | .2 | 2276 |
| 800 | | 106 | 11.4 | -11.0 | 3.1 | 2 | 100 | 11.6 | -11.5 | 2.1 | | 87 | 15.7 | -15.7 | -.8 | 2 | 88 | 16.7 | -16.7 | -.5 | 2007 |
| 825 | | 100 | 16.0 | -15.7 | 2.8 | 2 | 100 | 13.2 | -13.0 | 2.4 | | 89 | 16.6 | -16.6 | -.4 | 2 | 81 | 17.7 | -17.5 | -2.6 | 1745 |
| 850 | | 97 | 17.8 | -17.7 | 2.3 | | 99 | 14.9 | -14.7 | 2.3 | | 89 | 15.2 | -15.2 | -.3 | | 76 | 15.6 | -15.2 | -3.7 | 1490 |
| 875 | | 94 | 17.6 | -17.6 | 1.3 | | 95 | 15.2 | -15.2 | 1.4 | | 86 | 14.2 | -14.1 | -1.1 | | 74 | 14.2 | -13.7 | -3.8 | 1242 |
| 900 | | 91 | 15.6 | -15.6 | .3 | | 94 | 14.8 | -14.8 | 1.0 | | 85 | 14.0 | -13.9 | -1.1 | | 75 | 14.4 | -13.9 | -3.8 | 999 |
| 925 | | 93 | 13.6 | -13.5 | .6 | | 96 | 13.8 | -13.7 | 1.5 | | 88 | 12.0 | -12.0 | -.5 | | 77 | 13.7 | -13.4 | -3.2 | 762 |
| 950 | | 96 | 11.8 | -11.7 | 1.3 | | 97 | 11.2 | -11.2 | 1.3 | | 89 | 9.7 | -9.7 | -.2 | | 81 | 12.0 | -11.8 | -1.9 | 529 |
| 975 | | 100 | 9.8 | -9.6 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 9.7 | -9.7 | .4 | | 86 | 11.0 | -10.9 | -.9 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/12 1840 GMT | | | | 3/13 18 0 GMT | | | | 3/14 030 GMT | | | | 3/14 315 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 256 | 18.6 | 18.0 | 4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 286 | 4.2 | 4.0 | -1.2 | 2 | 43 | .4 | -.3 | -.3 | 2 | 199 | 4.4 | 1.4 | 4.2 | 2 | 178 | 6.5 | -.3 | 6.5 | 18589 |
| 80 | 2 | 263 | 9.7 | 9.7 | 1.1 | 2 | 282 | 10.3 | 10.0 | -2.2 | 2 | 288 | 12.0 | 11.4 | -3.7 | 2 | 278 | 14.2 | 14.1 | -1.9 | 17801 |
| 90 | 2 | 261 | 18.8 | 18.6 | 2.8 | 2 | 226 | 14.9 | 10.8 | 10.3 | 2 | 245 | 11.5 | 10.4 | 4.8 | 2 | 238 | 13.5 | 11.4 | 7.2 | 17121 |
| 100 | 2 | 241 | 24.2 | 21.2 | 11.7 | 2 | 236 | 12.3 | 10.2 | 6.9 | 2 | 269 | 9.5 | 9.5 | .1 | 2 | 278 | 9.1 | 9.0 | -1.3 | 16521 |
| 110 | 2 | 221 | 22.5 | 14.7 | 17.0 | 2 | 283 | 10.9 | 10.6 | -2.4 | 2 | 302 | 10.4 | 8.8 | -5.5 | 2 | 288 | 9.5 | 9.0 | -2.9 | 15978 |
| 120 | 2 | 209 | 9.2 | 4.4 | 8.1 | 2 | 280 | 11.3 | 11.1 | -2.0 | 2 | 282 | 11.1 | 10.9 | -2.3 | 1 | 318 | 10.4 | 7.0 | -7.7 | 15479 |
| 130 | 2 | 346 | 3.5 | .8 | -3.4 | 2 | 297 | 12.3 | 10.9 | -5.6 | 2 | 312 | 10.4 | 7.7 | -7.0 | 0 | 332 | 11.0 | 5.2 | -9.7 | 15014 |
| 140 | 2 | 343 | 7.3 | 2.2 | -7.0 | 2 | 299 | 15.0 | 13.2 | -7.2 | 2 | 333 | 11.9 | 5.4 | -10.6 | 1 | 322 | 11.4 | 7.1 | -9.0 | 14578 |
| 150 | 2 | 326 | 11.7 | 6.6 | -9.6 | 2 | 294 | 16.7 | 15.3 | -6.7 | 2 | 324 | 13.4 | 7.9 | -10.9 | 2 | 319 | 13.0 | 8.5 | -9.8 | 14167 |
| 160 | 2 | 320 | 14.9 | 9.5 | -11.4 | 2 | 283 | 21.5 | 20.9 | -4.9 | 2 | 293 | 15.3 | 14.1 | -6.0 | 2 | 304 | 14.0 | 11.6 | -7.8 | 13776 |
| 170 | 2 | 319 | 14.5 | 9.5 | -11.0 | 2 | 283 | 23.1 | 22.5 | -5.2 | 2 | 281 | 18.8 | 18.4 | -3.5 | 2 | 285 | 17.7 | 17.0 | -4.7 | 13404 |
| 180 | 2 | 316 | 12.9 | 8.9 | -9.3 | 2 | 287 | 22.5 | 21.6 | -6.4 | 2 | 278 | 18.8 | 18.6 | -2.7 | 2 | 279 | 19.4 | 19.1 | -3.2 | 13049 |
| 190 | 2 | 299 | 14.2 | 12.4 | -6.8 | 2 | 290 | 22.8 | 21.5 | -7.6 | 2 | 281 | 18.6 | 18.3 | -3.6 | 2 | 276 | 19.4 | 19.3 | -1.9 | 12709 |
| 200 | 2 | 280 | 18.3 | 18.1 | -3.1 | 2 | 288 | 21.6 | 20.6 | -6.5 | 2 | 283 | 18.9 | 18.4 | -4.2 | 2 | 275 | 19.9 | 19.8 | -1.7 | 12383 |
| 225 | 2 | 255 | 24.8 | 23.9 | 6.3 | 2 | 277 | 14.0 | 13.9 | -1.7 | 2 | 284 | 17.2 | 16.7 | -4.2 | 2 | 286 | 17.4 | 16.7 | -4.7 | 11617 |
| 250 | 2 | 260 | 22.7 | 22.4 | 4.1 | 2 | 332 | 14.2 | 6.7 | -12.6 | 2 | 312 | 11.4 | 8.5 | -7.6 | 2 | 310 | 10.5 | 8.0 | -6.8 | 10914 |
| 275 | 2 | 279 | 13.9 | 13.7 | -2.2 | 1 | 341 | 14.1 | 4.5 | -13.3 | 2 | 340 | 11.6 | 3.9 | -11.0 | 2 | 345 | 10.6 | 2.8 | -10.2 | 10262 |
| 300 | 2 | 281 | 12.7 | 12.5 | -2.3 | 2 | 341 | 10.9 | 3.6 | -10.3 | 2 | 348 | 8.1 | 1.7 | -8.0 | 2 | 351 | 10.5 | 1.6 | -10.3 | 9654 |
| 325 | 2 | 282 | 6.8 | 6.7 | -1.4 | 2 | 313 | 10.2 | 7.4 | -7.0 | 2 | 337 | 7.8 | 3.0 | -7.2 | 2 | 349 | 5.6 | 1.0 | -5.5 | 9084 |
| 350 | 2 | 269 | 6.6 | 6.6 | .1 | 2 | 271 | 11.9 | 11.9 | -.2 | 2 | 310 | 8.7 | 6.7 | -5.6 | 2 | 336 | 6.8 | 2.7 | -6.2 | 8546 |
| 375 | 2 | 262 | 9.9 | 9.8 | 1.4 | 2 | 279 | 10.7 | 10.6 | -1.7 | 2 | 296 | 7.7 | 6.9 | -3.3 | 2 | 286 | 9.2 | 8.8 | -2.6 | 8039 |
| 400 | 2 | 269 | 12.4 | 12.4 | .3 | 2 | 327 | 7.3 | 4.0 | -6.1 | 2 | 286 | 11.0 | 10.6 | -3.0 | 2 | 286 | 9.8 | 9.4 | -2.7 | 7557 |
| 425 | 2 | 272 | 10.2 | 10.1 | -.4 | 2 | 6 | 6.0 | -.6 | -6.0 | 2 | 335 | 7.0 | 2.9 | -6.3 | 2 | 335 | 6.2 | 2.7 | -5.6 | 7099 |
| 450 | 2 | 264 | 6.2 | 6.2 | .6 | 2 | 10 | 5.3 | -1.0 | -5.3 | 2 | 18 | 5.8 | -1.8 | -5.5 | 2 | 9 | 4.9 | -.7 | -4.8 | 6662 |
| 475 | 2 | 213 | 5.2 | 2.9 | 4.4 | 2 | 271 | 2.5 | 2.5 | -.0 | 2 | 345 | 4.7 | 1.2 | -4.6 | 2 | 6 | 5.2 | -.6 | -5.1 | 6244 |
| 500 | 2 | 184 | 7.4 | .5 | 7.4 | 2 | 235 | 2.4 | 2.0 | 1.4 | 2 | 270 | 3.2 | 3.2 | -.0 | 2 | 335 | 4.5 | 1.9 | -4.1 | 5844 |
| 525 | 2 | 199 | 6.6 | 2.1 | 6.3 | 2 | 258 | 1.2 | 1.2 | .3 | 2 | 268 | 3.7 | 3.7 | .1 | 2 | 269 | 3.6 | 3.6 | .0 | 5460 |
| 550 | 2 | 218 | 5.3 | 3.2 | 4.1 | 2 | 343 | 2.4 | .7 | -2.3 | 2 | 309 | 1.6 | 1.3 | -1.0 | 2 | 299 | 3.1 | 2.7 | -1.5 | 5091 |
| 575 | 2 | 198 | 7.3 | 2.2 | 6.9 | 2 | 2 | 3.8 | -.2 | -3.8 | 2 | 319 | 5.0 | 3.2 | -3.8 | 2 | 334 | 6.0 | 2.7 | -5.4 | 4736 |
| 600 | 2 | 210 | 3.2 | 1.6 | 2.8 | 2 | 22 | 5.3 | -1.9 | -4.9 | 2 | 6 | 6.0 | -.6 | -6.0 | 2 | 7 | 6.8 | -.8 | -6.8 | 4393 |
| 625 | 2 | 287 | 2.5 | 2.4 | -.7 | 2 | 36 | 8.9 | -5.3 | -7.2 | 2 | 38 | 8.6 | -5.3 | -6.7 | 2 | 39 | 9.0 | -5.6 | -7.0 | 4062 |
| 650 | 2 | 355 | 5.2 | .4 | -5.2 | 2 | 55 | 12.4 | -10.2 | -7.1 | 2 | 55 | 10.5 | -8.7 | -6.0 | 2 | 64 | 12.7 | -11.4 | -5.5 | 3742 |
| 675 | 2 | 15 | 6.9 | -1.8 | -6.6 | 2 | 69 | 13.5 | -12.6 | -4.8 | 2 | 72 | 11.0 | -10.4 | -3.4 | 2 | 76 | 13.7 | -13.3 | -3.4 | 3431 |
| 700 | 2 | 13 | 5.6 | -1.3 | -5.5 | 2 | 79 | 10.8 | -10.6 | -2.1 | 2 | 95 | 10.1 | -10.1 | .9 | 2 | 93 | 12.3 | -12.3 | .7 | 3130 |
| 725 | 2 | 46 | 6.0 | -4.3 | -4.1 | 2 | 93 | 14.1 | -14.1 | .7 | 2 | 100 | 15.7 | -15.5 | 2.8 | 2 | 105 | 14.2 | -13.7 | 3.6 | 2837 |
| 750 | 2 | 85 | 8.8 | -8.7 | -.7 | 2 | 94 | 20.3 | -20.2 | 1.6 | 2 | 96 | 18.1 | -18.0 | 1.8 | 2 | 103 | 17.4 | -17.0 | 3.9 | 2553 |
| 775 | 2 | 95 | 12.1 | -12.0 | 1.1 | 2 | 89 | 20.7 | -20.7 | -.3 | 2 | 94 | 18.1 | -18.1 | 1.2 | 3 | 101 | 17.8 | -17.5 | 3.3 | 2276 |
| 800 | 2 | 87 | 15.3 | -15.3 | -.7 | 2 | 83 | 18.2 | -18.1 | -2.3 | 2 | 90 | 18.1 | -18.1 | .1 | | 93 | 16.0 | -16.0 | .8 | 2007 |
| 825 | 2 | 81 | 17.0 | -16.8 | -2.6 | 2 | 83 | 17.4 | -17.3 | -2.2 | 2 | 89 | 18.7 | -18.7 | -.3 | | 90 | 17.5 | -17.5 | -.0 | 1745 |
| 850 | | 80 | 16.2 | -16.0 | -2.9 | | 86 | 17.1 | -17.0 | -1.2 | 2 | 91 | 18.5 | -18.5 | .3 | | 96 | 19.4 | -19.3 | 2.0 | 1490 |
| 875 | | 79 | 14.2 | -14.0 | -2.7 | | 90 | 15.9 | -15.9 | -.1 | | 94 | 18.1 | -18.0 | 1.2 | | 103 | 19.5 | -19.0 | 4.3 | 1242 |
| 900 | | 79 | 12.7 | -12.5 | -2.5 | | 95 | 15.0 | -15.0 | 1.4 | | 100 | 18.7 | -18.5 | 3.2 | | 105 | 19.7 | -19.0 | 5.1 | 999 |
| 925 | | 80 | 12.3 | -12.1 | -2.2 | | 101 | 15.3 | -15.0 | 2.9 | | 102 | 17.2 | -16.8 | 3.6 | | 104 | 19.5 | -19.0 | 4.6 | 762 |
| 950 | | 84 | 12.1 | -12.0 | -1.3 | | 105 | 14.8 | -14.3 | 3.7 | | 100 | 13.9 | -13.7 | 2.5 | | 101 | 16.9 | -16.6 | 3.3 | 529 |
| 975 | | 86 | 11.3 | -11.2 | -.7 | | 109 | 12.8 | -12.2 | 4.1 | | 100 | 12.9 | -12.7 | 2.2 | | 97 | 12.2 | -12.1 | 1.5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/14 620 GMT | | | | 3/14 845 GMT | | | | 3/14 1225 GMT | | | | 3/14 15 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 274 | 20.2 | 20.1 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 199 | 4.7 | 1.5 | 4.4 | 2 | 249 | 4.1 | 3.8 | 1.5 | 2 | 218 | 3.1 | 1.9 | 2.4 | 2 | 258 | 1.4 | 1.4 | .3 | 18589 |
| 80 | 2 | 266 | 10.7 | 10.7 | .7 | 2 | 282 | 12.1 | 11.8 | -2.6 | 2 | 273 | 11.6 | 11.6 | -.5 | 2 | 275 | 10.5 | 10.4 | -1.0 | 17801 |
| 90 | 2 | 263 | 12.9 | 12.9 | 1.5 | 2 | 248 | 13.9 | 12.9 | 5.2 | 2 | 248 | 15.7 | 14.5 | 6.0 | 2 | 241 | 15.3 | 13.4 | 7.4 | 17121 |
| 100 | 2 | 268 | 9.0 | 9.0 | .2 | 2 | 268 | 8.5 | 8.4 | .3 | 2 | 258 | 8.6 | 8.4 | 1.8 | 2 | 263 | 8.5 | 8.4 | 1.0 | 16521 |
| 110 | 2 | 287 | 8.5 | 8.2 | -2.4 | 2 | 290 | 9.0 | 8.4 | -3.1 | 2 | 305 | 8.5 | 6.9 | -4.9 | 2 | 315 | 8.7 | 6.2 | -6.2 | 15978 |
| 120 | 2 | 308 | 7.4 | 5.9 | -4.6 | 2 | 320 | 8.4 | 5.3 | -6.4 | 2 | 346 | 11.2 | 2.7 | -10.8 | 2 | 347 | 11.2 | 2.6 | -10.9 | 15479 |
| 130 | 2 | 340 | 12.0 | 4.2 | -11.2 | 2 | 343 | 14.9 | 4.4 | -14.2 | 2 | 345 | 14.8 | 3.9 | -14.3 | 2 | 336 | 15.5 | 6.3 | -14.1 | 15014 |
| 140 | 2 | 342 | 15.5 | 4.8 | -14.8 | 2 | 325 | 13.2 | 7.7 | -10.8 | 2 | 336 | 14.3 | 5.9 | -13.0 | 2 | 329 | 13.4 | 7.0 | -11.4 | 14578 |
| 150 | 2 | 320 | 11.7 | 7.5 | -8.9 | 2 | 291 | 10.2 | 9.5 | -3.6 | 2 | 309 | 12.5 | 9.6 | -7.9 | 2 | 305 | 12.4 | 10.1 | -7.2 | 14167 |
| 160 | 2 | 291 | 12.2 | 11.4 | -4.4 | 2 | 271 | 11.9 | 11.9 | -.3 | 2 | 281 | 12.4 | 12.2 | -2.5 | 2 | 279 | 14.2 | 14.0 | -2.2 | 13776 |
| 170 | 2 | 286 | 15.5 | 14.9 | -4.3 | 2 | 271 | 15.0 | 14.9 | -.4 | 2 | 278 | 16.9 | 16.7 | -2.5 | 2 | 276 | 19.1 | 18.9 | -2.0 | 13404 |
| 180 | 2 | 288 | 16.8 | 16.0 | -5.2 | 2 | 276 | 17.5 | 17.4 | -1.8 | 2 | 278 | 21.0 | 20.8 | -2.9 | 2 | 279 | 20.3 | 20.0 | -3.2 | 13049 |
| 190 | 2 | 283 | 17.3 | 16.8 | -4.0 | 2 | 275 | 19.4 | 19.3 | -1.6 | 2 | 274 | 20.4 | 20.4 | -1.5 | 1 | 286 | 19.7 | 19.0 | -5.3 | 12709 |
| 200 | 2 | 276 | 18.5 | 18.4 | -1.9 | 2 | 275 | 20.1 | 20.0 | -1.9 | 2 | 277 | 18.9 | 18.8 | -2.4 | 0 | 291 | 20.0 | 18.7 | -7.1 | 12383 |
| 225 | 2 | 291 | 20.0 | 18.7 | -7.0 | 2 | 298 | 20.3 | 18.0 | -9.5 | 2 | 300 | 20.5 | 17.7 | -10.3 | 2 | 307 | 19.9 | 15.8 | -12.1 | 11617 |
| 250 | 2 | 286 | 13.9 | 13.3 | -3.8 | 2 | 310 | 15.6 | 11.9 | -10.1 | 2 | 307 | 16.3 | 13.0 | -9.7 | 1 | 317 | 11.4 | 7.8 | -8.4 | 10914 |
| 275 | 2 | 319 | 9.9 | 6.6 | -7.5 | 2 | 324 | 10.6 | 6.3 | -8.5 | 2 | 323 | 11.9 | 7.2 | -9.5 | 2 | 326 | 12.8 | 7.2 | -10.6 | 10262 |
| 300 | 2 | 349 | 10.8 | 2.0 | -10.6 | 2 | 352 | 11.0 | 1.6 | -10.8 | 2 | 342 | 9.1 | 2.8 | -8.6 | 2 | 340 | 8.3 | 2.8 | -7.8 | 9654 |
| 325 | 2 | 356 | 5.4 | .3 | -5.4 | 2 | 12 | 7.6 | -1.6 | -7.4 | 2 | 16 | 4.9 | -1.3 | -4.7 | 2 | 16 | 4.0 | -1.1 | -3.8 | 9084 |
| 350 | 2 | 355 | 3.1 | .3 | -3.0 | 2 | 353 | 3.3 | .4 | -3.3 | 2 | 96 | .8 | -.8 | .1 | 2 | 169 | .9 | -.2 | .8 | 8546 |
| 375 | 2 | 324 | 4.7 | 2.7 | -3.8 | 2 | 343 | 3.1 | .9 | -2.9 | 2 | 258 | 2.9 | 2.9 | .6 | 2 | 246 | 3.3 | 3.0 | 1.4 | 8039 |
| 400 | 2 | 286 | 9.2 | 8.8 | -2.6 | 2 | 284 | 7.5 | 7.3 | -1.8 | 2 | 246 | 8.5 | 7.8 | 3.5 | 2 | 250 | 8.7 | 8.2 | 3.0 | 7557 |
| 425 | 2 | 326 | 5.4 | 3.1 | -4.5 | 2 | 307 | 4.6 | 3.7 | -2.8 | 2 | 273 | 4.5 | 4.5 | -.2 | 2 | 263 | 7.2 | 7.2 | .9 | 7099 |
| 450 | 2 | 16 | 3.8 | -1.0 | -3.7 | 2 | 29 | 3.2 | -1.6 | -2.8 | 2 | 20 | 2.7 | -.9 | -2.5 | 2 | 355 | 2.5 | .2 | -2.5 | 6662 |
| 475 | 2 | 21 | 3.8 | -1.4 | -3.5 | 2 | 21 | 3.4 | -1.2 | -3.1 | 2 | 2 | 2.9 | -.1 | -2.9 | 2 | 341 | 2.2 | .7 | -2.1 | 6244 |
| 500 | 2 | 7 | 7.6 | -.9 | -7.6 | 2 | 11 | 5.8 | -1.1 | -5.7 | 2 | 9 | 6.3 | -1.0 | -6.2 | 2 | 11 | 6.6 | -1.2 | -6.5 | 5844 |
| 525 | 2 | 351 | 1.5 | .2 | -1.5 | 2 | 2 | 1.8 | -.1 | -1.8 | 2 | 331 | 2.9 | 1.4 | -2.5 | 2 | 1 | 3.2 | -.0 | -3.2 | 5460 |
| 550 | 2 | 273 | 1.3 | 1.3 | -.1 | 2 | 329 | 1.4 | .7 | -1.2 | 2 | 317 | 5.0 | 3.4 | -3.7 | 2 | 324 | 4.6 | 2.7 | -3.7 | 5091 |
| 575 | 2 | 340 | 4.2 | 1.4 | -3.9 | 2 | 342 | 5.1 | 1.6 | -4.9 | 2 | 345 | 6.9 | 1.8 | -6.7 | 2 | 340 | 7.2 | 2.4 | -6.7 | 4736 |
| 600 | 2 | 352 | 6.2 | .8 | -6.2 | 2 | 359 | 7.4 | .1 | -7.4 | 2 | 14 | 8.8 | -2.1 | -8.6 | 2 | 15 | 8.8 | -2.2 | -8.5 | 4393 |
| 625 | 2 | 43 | 8.9 | -6.1 | -6.5 | 2 | 47 | 10.1 | -7.4 | -6.8 | 2 | 48 | 10.4 | -7.7 | -6.9 | 2 | 58 | 11.3 | -9.5 | -6.0 | 4062 |
| 650 | 2 | 65 | 13.0 | -11.8 | -5.5 | 2 | 69 | 12.9 | -12.0 | -4.6 | 2 | 68 | 12.1 | -11.2 | -4.5 | 2 | 79 | 12.6 | -12.3 | -2.4 | 3742 |
| 675 | 2 | 71 | 13.1 | -12.3 | -4.2 | 2 | 85 | 12.9 | -12.9 | -1.1 | 2 | 87 | 11.9 | -11.9 | -.7 | 2 | 99 | 11.7 | -11.6 | 1.7 | 3431 |
| 700 | 2 | 89 | 13.4 | -13.4 | -.2 | 2 | 101 | 15.3 | -15.0 | 2.9 | 2 | 103 | 13.5 | -13.1 | 2.9 | 2 | 111 | 12.5 | -11.6 | 4.5 | 3130 |
| 725 | 2 | 104 | 15.5 | -15.1 | 3.6 | 2 | 105 | 16.1 | -15.5 | 4.2 | 2 | 103 | 15.4 | -15.1 | 3.4 | 2 | 108 | 14.9 | -14.1 | 4.7 | 2837 |
| 750 | 2 | 104 | 16.8 | -16.3 | 4.0 | 2 | 103 | 16.3 | -15.9 | 3.7 | 2 | 100 | 15.6 | -15.3 | 2.7 | 2 | 101 | 15.6 | -15.4 | 2.9 | 2553 |
| 775 | 2 | 100 | 16.7 | -16.4 | 2.9 | 2 | 99 | 17.1 | -16.9 | 2.8 | 2 | 94 | 14.2 | -14.1 | 1.1 | 2 | 95 | 14.6 | -14.5 | 1.4 | 2276 |
| 800 | 2 | 97 | 17.3 | -17.2 | 2.1 | 2 | 97 | 17.1 | -17.0 | 2.0 | 2 | 101 | 15.2 | -14.9 | 2.8 | 3 | 95 | 14.3 | -14.3 | 1.2 | 2007 |
| 825 | 2 | 96 | 19.2 | -19.1 | 1.9 | 2 | 99 | 17.6 | -17.4 | 2.6 | 2 | 107 | 17.6 | -16.8 | 5.3 | | 92 | 14.4 | -14.4 | .5 | 1745 |
| 850 | | 98 | 20.0 | -19.8 | 3.0 | | 102 | 18.4 | -18.0 | 3.9 | 2 | 103 | 16.5 | -16.1 | 3.8 | | 92 | 13.3 | -13.3 | .4 | 1490 |
| 875 | | 103 | 18.7 | -18.1 | 4.3 | | 103 | 18.2 | -17.7 | 4.1 | | 97 | 14.8 | -14.7 | 1.9 | | 97 | 13.0 | -12.9 | 1.5 | 1242 |
| 900 | | 104 | 17.4 | -16.9 | 4.2 | | 101 | 17.5 | -17.2 | 3.2 | | 97 | 15.2 | -15.1 | 1.9 | | 97 | 14.0 | -13.9 | 1.6 | 999 |
| 925 | | 100 | 17.2 | -16.9 | 3.0 | | 97 | 16.1 | -15.9 | 2.1 | | 96 | 15.6 | -15.5 | 1.7 | | 95 | 13.5 | -13.4 | 1.2 | 762 |
| 950 | | 98 | 15.6 | -15.4 | 2.1 | | 95 | 13.1 | -13.0 | 1.1 | | 95 | 12.9 | -12.9 | 1.1 | | 97 | 11.1 | -11.0 | 1.3 | 529 |
| 975 | | 98 | 12.0 | -11.8 | 1.7 | | 94 | 8.9 | -8.9 | .6 | | 98 | 8.5 | -8.4 | 1.2 | | 99 | 9.9 | -9.8 | 1.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/14 1730 GMT | | | | 3/14 2030 GMT | | | | 3/15 0 0 GMT | | | | 3/15 315 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 258 | 20.4 | 20.0 | 4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 288 | 4.9 | 4.6 | -1.5 | 2 | 313 | 2.4 | 1.7 | -1.6 | 2 | 297 | 4.3 | 3.9 | -2.0 | 2 | 238 | 2.6 | 2.2 | 1.4 | 18589 |
| 80 | 2 | 275 | 5.9 | 5.9 | -.5 | 2 | 271 | 8.0 | 8.0 | -.2 | 2 | 279 | 7.8 | 7.7 | -1.2 | 2 | 278 | 10.7 | 10.6 | -1.5 | 17801 |
| 90 | 2 | 262 | 13.3 | 13.2 | 1.8 | 2 | 263 | 12.9 | 12.8 | 1.5 | 2 | 260 | 11.8 | 11.6 | 2.1 | 2 | 280 | 10.8 | 10.6 | -2.0 | 17121 |
| 100 | 2 | 242 | 11.3 | 10.0 | 5.2 | 2 | 270 | 9.4 | 9.4 | -.0 | 2 | 288 | 9.8 | 9.3 | -3.0 | 2 | 307 | 9.1 | 7.3 | -5.4 | 16521 |
| 110 | 2 | 305 | 7.9 | 6.5 | -4.6 | 2 | 298 | 8.5 | 7.5 | -4.0 | 2 | 299 | 8.0 | 7.0 | -3.9 | 2 | 295 | 9.6 | 8.7 | -4.0 | 15978 |
| 120 | 2 | 337 | 9.0 | 3.5 | -8.3 | 2 | 332 | 9.1 | 4.3 | -8.0 | 2 | 322 | 9.1 | 5.6 | -7.2 | 2 | 310 | 7.9 | 6.0 | -5.1 | 15479 |
| 130 | 2 | 339 | 14.2 | 5.2 | -13.3 | 2 | 326 | 13.4 | 7.4 | -11.1 | 2 | 316 | 13.1 | 9.1 | -9.3 | 2 | 315 | 11.0 | 7.8 | -7.7 | 15014 |
| 140 | 2 | 325 | 16.1 | 9.2 | -13.2 | 2 | 325 | 16.5 | 9.5 | -13.5 | 2 | 315 | 15.2 | 10.8 | -10.7 | 2 | 314 | 13.8 | 10.0 | -9.5 | 14578 |
| 150 | 2 | 313 | 15.5 | 11.4 | -10.5 | 2 | 318 | 16.0 | 10.7 | -11.9 | 2 | 316 | 16.6 | 11.5 | -11.9 | 2 | 315 | 18.3 | 12.9 | -13.0 | 14167 |
| 160 | 2 | 293 | 14.5 | 13.4 | -5.6 | 2 | 305 | 15.2 | 12.4 | -8.8 | 2 | 305 | 15.9 | 12.9 | -9.2 | 2 | 305 | 14.8 | 12.2 | -8.4 | 13776 |
| 170 | 2 | 281 | 17.5 | 17.2 | -3.3 | 2 | 287 | 17.8 | 17.0 | -5.3 | 2 | 296 | 17.2 | 15.5 | -7.5 | 2 | 296 | 16.6 | 14.8 | -7.4 | 13404 |
| 180 | 2 | 278 | 19.9 | 19.7 | -2.8 | 2 | 282 | 20.6 | 20.2 | -4.2 | 2 | 291 | 18.8 | 17.5 | -6.8 | 2 | 290 | 17.7 | 16.6 | -6.1 | 13049 |
| 190 | 2 | 278 | 19.0 | 18.8 | -2.7 | 2 | 281 | 20.2 | 19.8 | -3.8 | 2 | 284 | 19.3 | 18.7 | -4.7 | 2 | 288 | 18.0 | 17.2 | -5.4 | 12709 |
| 200 | 2 | 288 | 17.2 | 16.4 | -5.3 | 2 | 281 | 18.8 | 18.5 | -3.5 | 2 | 282 | 19.0 | 18.6 | -3.8 | 2 | 287 | 17.8 | 17.0 | -5.1 | 12383 |
| 225 | 2 | 303 | 19.2 | 16.1 | -10.4 | 2 | 302 | 16.6 | 14.1 | -8.9 | 2 | 292 | 15.8 | 14.7 | -6.0 | 2 | 294 | 15.0 | 13.8 | -6.0 | 11617 |
| 250 | 2 | 319 | 15.8 | 10.3 | -11.9 | 2 | 313 | 13.7 | 10.0 | -9.4 | 2 | 304 | 14.2 | 11.8 | -7.9 | 2 | 299 | 12.7 | 11.2 | -6.1 | 10914 |
| 275 | 2 | 322 | 11.6 | 7.1 | -9.1 | 2 | 321 | 11.0 | 6.8 | -8.6 | 2 | 309 | 11.5 | 8.9 | -7.3 | 2 | 306 | 12.1 | 9.8 | -7.1 | 10262 |
| 300 | 2 | 334 | 7.2 | 3.1 | -6.5 | 2 | 326 | 7.4 | 4.2 | -6.2 | 2 | 318 | 8.6 | 5.8 | -6.3 | 2 | 302 | 9.2 | 7.8 | -4.8 | 9654 |
| 325 | 2 | 354 | 4.1 | .4 | -4.1 | 2 | 340 | 3.8 | 1.3 | -3.6 | 2 | 293 | 5.6 | 5.2 | -2.2 | 2 | 271 | 5.7 | 5.7 | -.1 | 9084 |
| 350 | 2 | 239 | 1.2 | 1.0 | .6 | 2 | 100 | .3 | -.3 | .1 | 2 | 232 | 1.7 | 1.3 | 1.0 | 2 | 207 | 3.6 | 1.6 | 3.2 | 8546 |
| 375 | 2 | 262 | 5.0 | 4.9 | .7 | 2 | 265 | 3.4 | 3.4 | .3 | 2 | 232 | 3.9 | 3.1 | 2.4 | 2 | 234 | 5.8 | 4.7 | 3.4 | 8039 |
| 400 | 2 | 254 | 9.7 | 9.3 | 2.7 | 2 | 260 | 8.6 | 8.5 | 1.5 | 2 | 251 | 7.8 | 7.3 | 2.5 | 2 | 244 | 8.8 | 7.9 | 3.9 | 7557 |
| 425 | 2 | 266 | 7.8 | 7.8 | .5 | 2 | 273 | 8.1 | 8.1 | -.4 | 2 | 263 | 7.6 | 7.6 | 1.0 | 2 | 268 | 8.8 | 8.8 | .3 | 7099 |
| 450 | 2 | 334 | 2.3 | 1.0 | -2.1 | 2 | 332 | 2.8 | 1.3 | -2.5 | 2 | 320 | 5.4 | 3.5 | -4.1 | 2 | 333 | 4.6 | 2.1 | -4.1 | 6662 |
| 475 | 2 | 355 | 2.1 | .2 | -2.1 | 2 | 327 | 2.3 | 1.2 | -1.9 | 2 | 348 | 3.1 | .7 | -3.0 | 2 | 358 | 1.6 | .1 | -1.6 | 6244 |
| 500 | 2 | 12 | 6.3 | -1.3 | -6.1 | 2 | 13 | 5.2 | -1.2 | -5.0 | 2 | 2 | 4.5 | -.2 | -4.5 | 2 | 334 | 3.3 | 1.5 | -3.0 | 5844 |
| 525 | 2 | 19 | 4.3 | -1.4 | -4.1 | 2 | 23 | 3.0 | -1.2 | -2.8 | 2 | 19 | 5.6 | -1.9 | -5.3 | 2 | 7 | 5.9 | -.7 | -5.8 | 5460 |
| 550 | 2 | 315 | 2.6 | 1.8 | -1.9 | 2 | 287 | 1.1 | 1.1 | -.3 | 2 | 352 | 1.3 | .2 | -1.3 | 2 | 45 | 2.0 | -1.4 | -1.4 | 5091 |
| 575 | 2 | 333 | 6.4 | 2.9 | -5.7 | 2 | 317 | 3.4 | 2.3 | -2.5 | 2 | 320 | 3.8 | 2.4 | -2.9 | 2 | 286 | 2.6 | 2.5 | -.7 | 4736 |
| 600 | 2 | 20 | 8.9 | -3.1 | -8.4 | 2 | 19 | 6.9 | -2.3 | -6.5 | 2 | 20 | 5.9 | -2.0 | -5.5 | 2 | 8 | 5.2 | -.7 | -5.2 | 4393 |
| 625 | 2 | 67 | 12.3 | -11.3 | -4.8 | 2 | 57 | 10.8 | -9.0 | -5.9 | 2 | 64 | 7.2 | -6.5 | -3.2 | 2 | 68 | 10.3 | -9.5 | -3.9 | 4062 |
| 650 | 2 | 84 | 12.4 | -12.3 | -1.2 | 2 | 82 | 13.0 | -12.8 | -1.9 | 1 | 95 | 6.2 | -6.2 | .6 | 2 | 92 | 11.6 | -11.6 | .3 | 3742 |
| 675 | 2 | 105 | 12.1 | -11.7 | 3.2 | 2 | 101 | 13.0 | -12.8 | 2.5 | 0 | 110 | 10.1 | -9.4 | 3.5 | 2 | 109 | 11.3 | -10.7 | 3.6 | 3431 |
| 700 | 2 | 112 | 13.2 | -12.2 | 5.0 | 2 | 116 | 12.5 | -11.2 | 5.6 | 2 | 112 | 13.0 | -12.1 | 4.9 | 2 | 114 | 12.7 | -11.6 | 5.2 | 3130 |
| 725 | 2 | 103 | 13.7 | -13.3 | 3.1 | 2 | 114 | 14.1 | -12.8 | 5.8 | 2 | 109 | 15.0 | -14.2 | 4.9 | 2 | 112 | 14.4 | -13.3 | 5.5 | 2837 |
| 750 | 2 | 96 | 14.2 | -14.1 | 1.4 | 2 | 105 | 15.0 | -14.5 | 3.9 | 2 | 104 | 16.1 | -15.6 | 3.8 | 2 | 113 | 14.0 | -13.0 | 5.4 | 2553 |
| 775 | 2 | 97 | 14.8 | -14.7 | 1.8 | 2 | 102 | 15.4 | -15.0 | 3.3 | 2 | 103 | 15.8 | -15.4 | 3.6 | 2 | 110 | 13.7 | -12.8 | 4.6 | 2276 |
| 800 | 2 | 98 | 15.2 | -15.0 | 2.1 | 2 | 105 | 15.9 | -15.3 | 4.1 | 2 | 106 | 15.3 | -14.8 | 4.1 | 2 | 99 | 13.7 | -13.5 | 2.1 | 2007 |
| 825 | 2 | 93 | 14.5 | -14.4 | .8 | 2 | 105 | 16.0 | -15.5 | 4.1 | 2 | 107 | 15.6 | -15.0 | 4.5 | 2 | 91 | 13.3 | -13.3 | .2 | 1745 |
| 850 | 2 | 88 | 14.2 | -14.2 | -.5 | 2 | 101 | 14.8 | -14.5 | 2.9 | | 105 | 15.4 | -14.9 | 4.0 | | 91 | 12.6 | -12.6 | .3 | 1490 |
| 875 | | 88 | 14.2 | -14.2 | -.5 | | 94 | 13.0 | -12.9 | .9 | | 98 | 13.9 | -13.8 | 2.0 | | 92 | 12.5 | -12.5 | .5 | 1242 |
| 900 | | 91 | 13.1 | -13.1 | .3 | | 88 | 13.4 | -13.4 | -.4 | | 88 | 12.6 | -12.6 | -.3 | | 89 | 12.6 | -12.6 | -.3 | 999 |
| 925 | | 94 | 11.5 | -11.5 | .8 | | 90 | 13.7 | -13.7 | -.1 | | 84 | 11.7 | -11.7 | -1.1 | | 87 | 11.8 | -11.8 | -.6 | 762 |
| 950 | | 97 | 10.9 | -10.8 | 1.4 | | 91 | 11.8 | -11.8 | .3 | | 88 | 10.0 | -10.0 | -.4 | | 89 | 10.5 | -10.5 | -.3 | 529 |
| 975 | | 102 | 11.6 | -11.4 | 2.5 | | 94 | 9.4 | -9.4 | .7 | | 99 | 7.1 | -7.0 | 1.1 | | 90 | 9.0 | -9.0 | .0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/15 530 GMT | | | | 3/15 845 GMT | | | | 3/15 12 5 GMT | | | | 3/15 18 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 254 | 25.3 | 24.3 | 7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 240 | 8.2 | 7.1 | 4.1 | 2 | 245 | 7.4 | 6.8 | 3.1 | 2 | 266 | 10.0 | 9.9 | .6 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 271 | 7.3 | 7.3 | -.1 | 2 | 270 | 8.0 | 8.0 | -.0 | 2 | 209 | 6.2 | 3.0 | 5.4 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 285 | 9.2 | 8.9 | -2.4 | 2 | 285 | 13.0 | 12.6 | -3.3 | 2 | 269 | 12.0 | 12.0 | .2 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 321 | 9.5 | 6.0 | -7.4 | 2 | 309 | 9.4 | 7.4 | -5.9 | 2 | 297 | 8.9 | 7.9 | -4.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 294 | 8.8 | 8.1 | -3.6 | 2 | 293 | 9.2 | 8.5 | -3.6 | 2 | 306 | 9.9 | 8.0 | -5.9 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 297 | 6.7 | 6.0 | -3.0 | 2 | 311 | 8.9 | 6.7 | -5.8 | 2 | 319 | 11.7 | 7.7 | -8.8 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 305 | 9.8 | 8.0 | -5.7 | 2 | 296 | 10.1 | 9.0 | -4.5 | 2 | 317 | 12.3 | 8.4 | -9.0 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 305 | 12.0 | 9.8 | -6.9 | 2 | 294 | 11.0 | 10.0 | -4.5 | 2 | 298 | 11.7 | 10.3 | -5.5 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 302 | 13.0 | 11.0 | -6.8 | 2 | 289 | 13.2 | 12.5 | -4.3 | 2 | 290 | 11.9 | 11.2 | -4.1 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 292 | 14.9 | 13.8 | -5.6 | 2 | 283 | 14.3 | 13.9 | -3.3 | 2 | 289 | 12.6 | 11.9 | -4.1 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 290 | 16.4 | 15.5 | -5.5 | 2 | 289 | 15.4 | 14.6 | -4.9 | 2 | 295 | 11.9 | 10.8 | -5.1 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 290 | 18.1 | 17.1 | -6.2 | 2 | 296 | 14.5 | 13.1 | -6.3 | 2 | 296 | 11.9 | 10.7 | -5.2 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 289 | 18.8 | 17.8 | -6.0 | 2 | 296 | 17.3 | 15.5 | -7.5 | 2 | 286 | 15.1 | 14.5 | -4.2 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 290 | 16.1 | 15.1 | -5.5 | 2 | 294 | 20.6 | 18.9 | -8.4 | 2 | 284 | 18.5 | 17.9 | -4.5 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 288 | 14.9 | 14.2 | -4.5 | 2 | 284 | 15.6 | 15.1 | -3.8 | 2 | 278 | 15.3 | 15.1 | -2.1 | 11617 |
| 250 | 1 | 297 | 10.4 | 9.2 | -4.7 | 2 | 289 | 13.1 | 12.4 | -4.2 | 2 | 282 | 12.2 | 11.9 | -2.6 | 2 | 282 | 14.4 | 14.1 | -3.0 | 10914 |
| 275 | 2 | 304 | 10.9 | 9.1 | -6.1 | 2 | 283 | 9.9 | 9.6 | -2.3 | 2 | 285 | 11.9 | 11.5 | -3.0 | 2 | 282 | 10.4 | 10.2 | -2.2 | 10262 |
| 300 | 2 | 305 | 10.1 | 8.2 | -5.7 | 2 | 292 | 9.4 | 8.7 | -3.4 | 2 | 296 | 9.7 | 8.7 | -4.3 | 2 | 288 | 9.6 | 9.1 | -2.9 | 9654 |
| 325 | 2 | 273 | 5.1 | 5.1 | -.2 | 2 | 276 | 7.5 | 7.5 | -.7 | 2 | 299 | 9.8 | 8.6 | -4.7 | 2 | 301 | 10.0 | 8.5 | -5.2 | 9084 |
| 350 | 2 | 215 | 4.6 | 2.6 | 3.8 | 2 | 234 | 4.4 | 3.6 | 2.6 | 2 | 262 | 4.9 | 4.9 | .7 | 2 | 268 | 6.5 | 6.5 | .2 | 8546 |
| 375 | 2 | 229 | 6.6 | 5.0 | 4.4 | 2 | 223 | 8.2 | 5.6 | 6.0 | 2 | 233 | 8.4 | 6.7 | 5.1 | 2 | 235 | 9.3 | 7.6 | 5.3 | 8039 |
| 400 | 2 | 235 | 9.9 | 8.1 | 5.7 | 2 | 232 | 11.7 | 9.2 | 7.1 | 2 | 232 | 12.4 | 9.7 | 7.7 | 2 | 233 | 11.1 | 8.8 | 6.8 | 7557 |
| 425 | 2 | 264 | 8.1 | 8.0 | .8 | 2 | 259 | 8.7 | 8.6 | 1.6 | 2 | 256 | 8.9 | 8.7 | 2.1 | 2 | 253 | 9.0 | 8.6 | 2.7 | 7099 |
| 450 | 2 | 345 | 4.8 | 1.3 | -4.6 | 2 | 328 | 5.2 | 2.7 | -4.4 | 2 | 327 | 3.1 | 1.7 | -2.6 | 2 | 311 | 3.0 | 2.2 | -1.9 | 6662 |
| 475 | 2 | 336 | 1.7 | .7 | -1.6 | 2 | 353 | 2.0 | .2 | -2.0 | 2 | 227 | .4 | .3 | .3 | 2 | 225 | 2.0 | 1.4 | 1.5 | 6244 |
| 500 | 2 | 344 | 4.3 | 1.2 | -4.1 | 2 | 3 | 1.7 | -.1 | -1.7 | 2 | 301 | 1.8 | 1.6 | -1.0 | 2 | 231 | 2.9 | 2.2 | 1.8 | 5844 |
| 525 | 2 | 26 | 6.0 | -2.6 | -5.5 | 2 | 30 | 4.1 | -2.1 | -3.6 | 2 | 42 | 3.7 | -2.4 | -2.7 | 2 | 301 | 1.3 | 1.1 | -.7 | 5460 |
| 550 | 2 | 66 | 3.2 | -2.9 | -1.3 | 2 | 83 | 3.4 | -3.4 | -.4 | 2 | 80 | 3.5 | -3.5 | -.6 | 2 | 85 | 1.2 | -1.2 | -.1 | 5091 |
| 575 | 2 | 250 | 1.1 | 1.1 | .4 | 2 | 226 | .7 | .5 | .5 | 2 | 21 | .4 | -.2 | -.4 | 2 | 90 | 1.3 | -1.3 | -.0 | 4736 |
| 600 | 2 | 16 | 4.2 | -1.2 | -4.1 | 2 | 48 | 3.9 | -2.9 | -2.6 | 2 | 21 | 3.1 | -1.1 | -2.9 | 2 | 64 | 1.4 | -1.3 | -.6 | 4393 |
| 625 | 2 | 71 | 9.8 | -9.3 | -3.2 | 2 | 77 | 10.7 | -10.4 | -2.4 | 2 | 73 | 8.0 | -7.6 | -2.3 | 2 | 95 | 7.4 | -7.3 | .7 | 4062 |
| 650 | 2 | 90 | 12.3 | -12.3 | -.1 | 2 | 95 | 11.6 | -11.6 | 1.1 | 2 | 96 | 8.5 | -8.5 | .9 | 2 | 105 | 9.7 | -9.3 | 2.5 | 3742 |
| 675 | 2 | 104 | 11.4 | -11.0 | 2.8 | 2 | 115 | 11.5 | -10.5 | 4.8 | 2 | 112 | 11.0 | -10.3 | 4.1 | 2 | 121 | 10.4 | -8.9 | 5.3 | 3431 |
| 700 | 2 | 113 | 11.5 | -10.5 | 4.5 | 2 | 114 | 12.8 | -11.7 | 5.2 | 2 | 111 | 12.5 | -11.6 | 4.6 | 2 | 122 | 11.5 | -9.8 | 6.1 | 3130 |
| 725 | 2 | 108 | 13.4 | -12.7 | 4.1 | 2 | 104 | 13.2 | -12.8 | 3.2 | 2 | 109 | 12.6 | -11.9 | 4.1 | 2 | 107 | 12.7 | -12.2 | 3.7 | 2837 |
| 750 | 2 | 105 | 14.3 | -13.8 | 3.7 | 2 | 100 | 12.6 | -12.4 | 2.1 | 2 | 106 | 12.9 | -12.4 | 3.5 | 2 | 98 | 13.4 | -13.3 | 1.9 | 2553 |
| 775 | 2 | 95 | 13.6 | -13.5 | 1.3 | 2 | 95 | 12.7 | -12.6 | 1.1 | 2 | 105 | 11.5 | -11.1 | 2.9 | 2 | 93 | 12.3 | -12.3 | .7 | 2276 |
| 800 | 2 | 90 | 12.9 | -12.9 | .0 | 2 | 92 | 13.0 | -13.0 | .4 | 2 | 105 | 10.8 | -10.4 | 2.7 | 2 | 88 | 11.6 | -11.6 | -.3 | 2007 |
| 825 | 3 | 98 | 13.7 | -13.5 | 1.8 | 2 | 91 | 12.1 | -12.1 | .2 | 2 | 101 | 10.7 | -10.5 | 2.1 | 2 | 88 | 11.8 | -11.8 | -.4 | 1745 |
| 850 | | 102 | 13.5 | -13.2 | 2.8 | | 86 | 11.1 | -11.1 | -.8 | 2 | 93 | 10.8 | -10.8 | .6 | | 87 | 12.4 | -12.4 | -.6 | 1490 |
| 875 | | 99 | 11.1 | -11.0 | 1.7 | | 82 | 11.8 | -11.7 | -1.6 | | 90 | 11.2 | -11.2 | -.0 | | 84 | 12.7 | -12.7 | -1.3 | 1242 |
| 900 | | 93 | 9.3 | -9.3 | .5 | | 83 | 13.3 | -13.2 | -1.6 | | 87 | 11.3 | -11.3 | -.5 | | 82 | 12.6 | -12.5 | -1.7 | 999 |
| 925 | | 87 | 8.5 | -8.5 | -.5 | | 85 | 13.1 | -13.1 | -1.1 | | 81 | 11.0 | -10.9 | -1.7 | | 83 | 11.3 | -11.2 | -1.4 | 762 |
| 950 | | 84 | 7.9 | -7.9 | -.8 | | 88 | 10.4 | -10.4 | -.3 | | 79 | 9.4 | -9.2 | -1.8 | | 86 | 8.8 | -8.8 | -.7 | 529 |
| 975 | | 90 | 7.2 | -7.2 | -.0 | | 95 | 6.4 | -6.4 | .5 | | 83 | 7.7 | -7.6 | -1.0 | | 89 | 7.0 | -7.0 | -.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA — CHRISTMAS ISLAND

| | 3/16 0 5 GMT | | | | 3/16 555 GMT | | | | 3/16 1210 GMT | | | | 3/16 1532 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 2 | 258 | 17.8 | 17.4 | 3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 263 | 15.6 | 15.5 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 264 | 20.4 | 20.3 | 2.0 | 2 | 276 | 16.3 | 16.3 | -1.6 | 2 | 277 | 16.3 | 16.1 | -1.9 | 2 | 282 | 16.4 | 16.1 | -3.4 | 18589 |
| 80 | 2 | 193 | 6.2 | 1.4 | 6.0 | 2 | 183 | 7.7 | .4 | 7.7 | 2 | 160 | 6.5 | -2.2 | 6.2 | 2 | 145 | 4.6 | -2.6 | 3.7 | 17801 |
| 90 | 2 | 284 | 11.2 | 10.9 | -2.7 | 2 | 251 | 11.4 | 10.8 | 3.8 | 2 | 269 | 10.6 | 10.6 | .1 | 2 | 254 | 11.0 | 10.5 | 3.0 | 17121 |
| 100 | 2 | 290 | 11.0 | 10.3 | -3.8 | 2 | 295 | 6.3 | 5.7 | -2.7 | 2 | 299 | 7.5 | 6.5 | -3.7 | 2 | 287 | 7.1 | 6.8 | -2.1 | 16521 |
| 110 | 2 | 316 | 11.4 | 7.9 | -8.2 | 2 | 315 | 11.4 | 8.0 | -8.1 | 2 | 320 | 9.6 | 6.2 | -7.4 | 2 | 338 | 10.5 | 4.0 | -9.7 | 15978 |
| 120 | 2 | 310 | 11.0 | 8.4 | -7.0 | 2 | 312 | 12.3 | 9.1 | -8.3 | 2 | 312 | 9.0 | 6.7 | -6.0 | 2 | 315 | 8.9 | 6.3 | -6.3 | 15479 |
| 130 | 2 | 305 | 10.7 | 8.8 | -6.1 | 2 | 310 | 10.3 | 7.9 | -6.7 | 2 | 308 | 9.4 | 7.4 | -5.8 | 2 | 311 | 9.5 | 7.2 | -6.2 | 15014 |
| 140 | 2 | 295 | 11.9 | 10.8 | -4.9 | 2 | 286 | 9.0 | 8.7 | -2.4 | 2 | 286 | 9.6 | 9.2 | -2.6 | 2 | 302 | 10.1 | 8.6 | -5.4 | 14578 |
| 150 | 2 | 292 | 13.2 | 12.2 | -4.9 | 2 | 287 | 9.0 | 8.6 | -2.6 | 2 | 290 | 9.9 | 9.3 | -3.4 | 2 | 305 | 10.1 | 8.3 | -5.8 | 14167 |
| 160 | 2 | 286 | 12.3 | 11.9 | -3.4 | 2 | 288 | 9.1 | 8.6 | -2.7 | 2 | 292 | 10.4 | 9.6 | -4.0 | 2 | 299 | 9.0 | 7.9 | -4.4 | 13776 |
| 170 | 2 | 276 | 11.0 | 10.9 | -1.1 | 2 | 283 | 9.9 | 9.7 | -2.2 | 2 | 284 | 11.4 | 11.1 | -2.8 | 2 | 281 | 9.5 | 9.4 | -1.8 | 13404 |
| 180 | 2 | 282 | 10.7 | 10.5 | -2.2 | 2 | 293 | 12.8 | 11.8 | -5.1 | 2 | 282 | 12.2 | 11.9 | -2.6 | 2 | 284 | 11.8 | 11.5 | -2.8 | 13049 |
| 190 | 2 | 285 | 12.4 | 12.0 | -3.1 | 2 | 295 | 18.5 | 16.8 | -7.8 | 2 | 287 | 14.6 | 14.0 | -4.4 | 2 | 287 | 15.2 | 14.5 | -4.4 | 12709 |
| 200 | 2 | 281 | 17.2 | 16.8 | -3.4 | 2 | 290 | 20.7 | 19.5 | -7.0 | 2 | 289 | 18.2 | 17.2 | -5.8 | 2 | 284 | 18.4 | 17.9 | -4.5 | 12383 |
| 225 | 2 | 286 | 21.5 | 20.7 | -5.9 | 2 | 281 | 17.1 | 16.8 | -3.1 | 2 | 276 | 20.4 | 20.3 | -2.1 | 2 | 272 | 19.8 | 19.8 | -.6 | 11617 |
| 250 | 2 | 273 | 17.3 | 17.3 | -.8 | 2 | 284 | 18.2 | 17.6 | -4.3 | 2 | 276 | 17.0 | 16.9 | -1.8 | 2 | 274 | 20.2 | 20.2 | -1.5 | 10914 |
| 275 | 2 | 281 | 17.3 | 17.0 | -3.5 | 2 | 275 | 15.7 | 15.7 | -1.3 | 2 | 282 | 14.5 | 14.2 | -3.0 | 2 | 270 | 14.9 | 14.9 | -.1 | 10262 |
| 300 | 2 | 289 | 12.3 | 11.6 | -4.0 | 2 | 268 | 13.5 | 13.5 | .6 | 2 | 264 | 12.6 | 12.5 | 1.3 | 2 | 264 | 12.0 | 12.0 | 1.3 | 9654 |
| 325 | 2 | 297 | 10.3 | 9.2 | -4.6 | 2 | 283 | 11.0 | 10.7 | -2.5 | 2 | 264 | 10.5 | 10.4 | 1.2 | 2 | 258 | 10.7 | 10.4 | 2.3 | 9084 |
| 350 | 2 | 294 | 9.6 | 8.8 | -3.9 | 2 | 274 | 8.3 | 8.3 | -.6 | 2 | 275 | 10.0 | 9.9 | -.8 | 2 | 264 | 8.9 | 8.8 | 1.0 | 8546 |
| 375 | 2 | 267 | 7.9 | 7.9 | .4 | 2 | 250 | 9.3 | 8.8 | 3.2 | 2 | 255 | 9.9 | 9.5 | 2.6 | 2 | 249 | 10.5 | 9.8 | 3.7 | 8039 |
| 400 | 2 | 239 | 9.8 | 8.3 | 5.1 | 2 | 239 | 11.0 | 9.4 | 5.6 | 2 | 239 | 11.6 | 9.9 | 6.0 | 2 | 240 | 11.6 | 10.0 | 5.7 | 7557 |
| 425 | 2 | 242 | 10.8 | 9.5 | 5.1 | 2 | 241 | 10.5 | 9.1 | 5.1 | 2 | 238 | 9.0 | 7.6 | 4.8 | 2 | 233 | 9.4 | 7.5 | 5.7 | 7099 |
| 450 | 2 | 266 | 7.7 | 7.6 | .5 | 2 | 265 | 6.2 | 6.2 | .5 | 2 | 265 | 4.5 | 4.5 | .4 | 2 | 251 | 6.0 | 5.7 | 1.9 | 6662 |
| 475 | 2 | 269 | 2.8 | 2.8 | .1 | 2 | 267 | 2.6 | 2.6 | .1 | 2 | 248 | 2.8 | 2.6 | 1.0 | 2 | 295 | 3.1 | 2.8 | -1.3 | 6244 |
| 500 | 2 | 209 | 4.1 | 2.0 | 3.6 | 2 | 229 | 4.3 | 3.3 | 2.8 | 2 | 240 | 6.1 | 5.3 | 3.1 | 2 | 252 | 3.9 | 3.7 | 1.2 | 5844 |
| 525 | 2 | 192 | 2.7 | .6 | 2.7 | 2 | 223 | 3.0 | 2.1 | 2.2 | 2 | 255 | 4.2 | 4.1 | 1.1 | 2 | 261 | 4.4 | 4.4 | .7 | 5460 |
| 550 | 2 | 138 | 2.1 | -1.4 | 1.6 | 2 | 61 | .9 | -.8 | -.4 | 2 | 19 | .9 | -.3 | -.8 | 2 | 341 | 1.6 | .5 | -1.5 | 5091 |
| 575 | 2 | 114 | 1.5 | -1.4 | .6 | 2 | 63 | 2.3 | -2.1 | -1.0 | 2 | 103 | 1.9 | -1.8 | .4 | 2 | 99 | 1.6 | -1.6 | .2 | 4736 |
| 600 | 2 | 102 | 2.9 | -2.8 | .6 | 2 | 119 | 4.3 | -3.7 | 2.1 | 2 | 142 | 5.1 | -3.2 | 4.0 | 2 | 155 | 3.5 | -1.5 | 3.2 | 4393 |
| 625 | 2 | 121 | 7.7 | -6.5 | 4.0 | 2 | 133 | 7.6 | -5.6 | 5.2 | 2 | 139 | 7.2 | -4.7 | 5.4 | 1 | 155 | 5.3 | -2.2 | 4.8 | 4062 |
| 650 | 2 | 122 | 10.1 | -8.5 | 5.4 | 2 | 134 | 8.2 | -5.9 | 5.7 | 2 | 142 | 7.9 | -4.9 | 6.2 | 0 | 148 | 6.7 | -3.6 | 5.7 | 3742 |
| 675 | 2 | 120 | 9.8 | -8.5 | 4.8 | 2 | 129 | 8.7 | -6.8 | 5.5 | 2 | 139 | 8.8 | -5.8 | 6.7 | 1 | 129 | 7.2 | -5.5 | 4.6 | 3431 |
| 700 | 2 | 119 | 9.5 | -8.3 | 4.5 | 2 | 112 | 9.2 | -8.5 | 3.5 | 2 | 116 | 8.1 | -7.3 | 3.5 | 2 | 105 | 7.7 | -7.4 | 2.0 | 3130 |
| 725 | 2 | 108 | 10.0 | -9.5 | 3.1 | 2 | 97 | 10.2 | -10.1 | 1.2 | 2 | 93 | 8.6 | -8.6 | .5 | 2 | 87 | 8.7 | -8.7 | -.5 | 2837 |
| 750 | 2 | 100 | 10.0 | -9.8 | 1.7 | 2 | 86 | 10.6 | -10.6 | -.7 | 2 | 86 | 9.9 | -9.9 | -.7 | 2 | 79 | 9.5 | -9.4 | -1.9 | 2553 |
| 775 | 2 | 92 | 10.0 | -10.0 | .3 | 2 | 74 | 9.8 | -9.4 | -2.7 | 2 | 78 | 10.1 | -9.8 | -2.1 | 2 | 78 | 9.6 | -9.4 | -2.0 | 2276 |
| 800 | 2 | 80 | 10.9 | -10.7 | -1.8 | 2 | 70 | 8.9 | -8.4 | -3.1 | 2 | 73 | 9.8 | -9.4 | -2.9 | 2 | 77 | 9.3 | -9.1 | -2.1 | 2007 |
| 825 | 2 | 78 | 11.1 | -10.9 | -2.3 | 2 | 74 | 9.7 | -9.3 | -2.7 | 2 | 74 | 10.4 | -10.0 | -2.9 | 3 | 74 | 9.6 | -9.2 | -2.7 | 1745 |
| 850 | | 83 | 11.7 | -11.6 | -1.5 | | 74 | 11.7 | -11.2 | -3.3 | | 71 | 11.4 | -10.7 | -3.7 | | 70 | 10.3 | -9.7 | -3.5 | 1490 |
| 875 | | 83 | 12.9 | -12.8 | -1.6 | | 74 | 12.9 | -12.3 | -3.6 | | 64 | 11.0 | -9.9 | -4.9 | | 68 | 10.6 | -9.8 | -4.1 | 1242 |
| 900 | | 77 | 13.4 | -13.0 | -3.0 | | 74 | 12.6 | -12.1 | -3.4 | | 58 | 9.9 | -8.4 | -5.2 | | 65 | 10.2 | -9.2 | -4.3 | 999 |
| 925 | | 67 | 13.3 | -12.2 | -5.2 | | 74 | 11.3 | -10.9 | -3.1 | | 56 | 8.9 | -7.4 | -4.9 | | 64 | 9.1 | -8.2 | -3.9 | 762 |
| 950 | | 67 | 11.1 | -10.2 | -4.4 | | 73 | 9.8 | -9.4 | -2.9 | | 60 | 8.0 | -6.9 | -4.0 | | 68 | 7.8 | -7.2 | -2.9 | 529 |
| 975 | | 113 | 7.4 | -6.8 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 70 | 6.6 | -6.2 | -2.3 | | 76 | 6.8 | -6.6 | -1.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/16 1831 GMT | | | | 3/16 2030 GMT | | | | 3/17 013 GMT | | | | 3/17 3 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 278 | 11.8 | 11.7 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 272 | 13.7 | 13.7 | -.5 | 2 | 279 | 18.3 | 18.1 | -2.7 | 2 | 279 | 17.4 | 17.2 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 2 | 278 | 18.9 | 18.7 | -2.7 | 2 | 186 | 1.0 | .1 | 1.0 | 2 | 262 | 3.3 | 3.2 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 2 | 94 | 1.3 | -1.3 | .1 | 2 | 261 | 8.3 | 8.2 | 1.3 | 2 | 230 | 6.2 | 4.7 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 2 | 232 | 9.1 | 7.2 | 5.6 | 2 | 251 | 7.9 | 7.5 | 2.5 | 2 | 240 | 10.6 | 9.1 | 5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 2 | 252 | 4.7 | 4.5 | 1.5 | 2 | 344 | 6.6 | 1.8 | -6.3 | 2 | 321 | 5.3 | 3.3 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 2 | 347 | 9.6 | 2.1 | -9.3 | 2 | 339 | 9.5 | 3.4 | -8.8 | 2 | 332 | 6.4 | 3.0 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 2 | 338 | 11.5 | 4.3 | -10.7 | 2 | 342 | 8.4 | 2.6 | -7.9 | 2 | 345 | 5.2 | 1.3 | -5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 2 | 335 | 9.3 | 3.9 | -8.4 | 2 | 333 | 8.3 | 3.8 | -7.4 | 2 | 2 | 7.8 | -.2 | -7.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 2 | 318 | 8.2 | 5.5 | -6.0 | 2 | 337 | 9.1 | 3.6 | -8.4 | 2 | 357 | 10.6 | .5 | -10.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 2 | 317 | 9.6 | 6.6 | -7.0 | 2 | 345 | 9.9 | 2.5 | -9.6 | 2 | 348 | 9.6 | 2.0 | -9.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 2 | 328 | 10.9 | 5.7 | -9.3 | 2 | 341 | 9.7 | 3.2 | -9.1 | 2 | 335 | 8.3 | 3.5 | -7.5 | 2 | 330 | 8.2 | 4.1 | -7.2 | 13404 |
| 180 | 2 | 331 | 10.1 | 4.9 | -8.8 | 2 | 329 | 9.8 | 5.1 | -8.4 | 2 | 326 | 8.6 | 4.9 | -7.1 | 2 | 321 | 8.1 | 5.1 | -6.3 | 13049 |
| 190 | 2 | 310 | 8.4 | 6.4 | -5.4 | 2 | 304 | 9.9 | 8.2 | -5.5 | 2 | 313 | 8.9 | 6.4 | -6.1 | 2 | 305 | 8.0 | 6.5 | -4.6 | 12709 |
| 200 | 2 | 284 | 10.3 | 10.0 | -2.5 | 2 | 280 | 13.4 | 13.2 | -2.2 | 2 | 292 | 10.2 | 9.5 | -3.9 | 2 | 285 | 8.9 | 8.6 | -2.3 | 12383 |
| 225 | 2 | 272 | 18.5 | 18.5 | -.7 | 2 | 267 | 20.0 | 20.0 | 1.2 | 2 | 266 | 18.3 | 18.2 | 1.4 | 2 | 264 | 14.2 | 14.1 | 1.5 | 11617 |
| 250 | 2 | 271 | 20.9 | 20.9 | -.2 | 2 | 271 | 21.3 | 21.3 | -.4 | 2 | 268 | 19.8 | 19.8 | .6 | 2 | 260 | 19.9 | 19.6 | 3.5 | 10914 |
| 275 | 2 | 275 | 20.0 | 19.9 | -1.6 | 2 | 272 | 16.3 | 16.3 | -.5 | 2 | 272 | 17.2 | 17.2 | -.5 | 2 | 263 | 18.1 | 18.0 | 2.1 | 10262 |
| 300 | 2 | 271 | 12.1 | 12.1 | -.1 | 2 | 267 | 12.2 | 12.2 | .6 | 2 | 273 | 13.0 | 13.0 | -.6 | 2 | 279 | 14.2 | 14.0 | -2.3 | 9654 |
| 325 | 2 | 268 | 11.0 | 11.0 | .4 | 2 | 237 | 10.5 | 8.8 | 5.7 | 2 | 245 | 11.6 | 10.5 | 5.0 | 1 | 255 | 12.2 | 11.8 | 3.1 | 9084 |
| 350 | 2 | 247 | 10.5 | 9.6 | 4.1 | 2 | 252 | 9.9 | 9.4 | 3.1 | 2 | 246 | 9.3 | 8.5 | 3.8 | 1 | 251 | 9.1 | 8.7 | 2.9 | 8546 |
| 375 | 2 | 246 | 9.0 | 8.2 | 3.7 | 2 | 246 | 8.5 | 7.7 | 3.5 | 2 | 244 | 8.8 | 7.9 | 3.9 | 2 | 245 | 7.2 | 6.5 | 3.0 | 8039 |
| 400 | 2 | 253 | 7.5 | 7.1 | 2.2 | 2 | 246 | 10.8 | 9.9 | 4.3 | 2 | 252 | 12.3 | 11.7 | 3.8 | 2 | 257 | 10.8 | 10.5 | 2.5 | 7557 |
| 425 | 2 | 244 | 9.8 | 8.7 | 4.3 | 2 | 241 | 8.9 | 7.8 | 4.3 | 2 | 254 | 8.1 | 7.8 | 2.3 | 2 | 260 | 10.2 | 10.1 | 1.8 | 7099 |
| 450 | 2 | 243 | 8.1 | 7.2 | 3.7 | 2 | 235 | 7.1 | 5.8 | 4.1 | 2 | 250 | 5.7 | 5.4 | 1.9 | | | | | | 6662 |
| 475 | 2 | 244 | 5.5 | 4.9 | 2.5 | 2 | 261 | .8 | .8 | .1 | 2 | 281 | 2.3 | 2.3 | -.4 | | | | | | 6244 |
| 500 | 2 | 240 | .5 | .4 | .2 | 2 | 234 | 1.4 | 1.1 | .8 | 2 | 234 | 2.0 | 1.6 | 1.2 | | | | | | 5844 |
| 525 | 2 | 222 | 2.5 | 1.7 | 1.9 | 2 | 247 | 4.1 | 3.7 | 1.6 | 2 | 253 | 4.1 | 4.0 | 1.2 | 2 | 246 | 3.7 | 3.4 | 1.5 | 5460 |
| 550 | 2 | 241 | 4.3 | 3.8 | 2.1 | 2 | 9 | .6 | -.1 | -.6 | 2 | 340 | .6 | .2 | -.5 | 2 | 194 | 1.0 | .2 | 1.0 | 5091 |
| 575 | 2 | 347 | 1.0 | .2 | -.9 | 2 | 82 | 1.6 | -1.6 | -.2 | 2 | 85 | 2.8 | -2.8 | -.2 | 2 | 107 | 1.6 | -1.6 | .5 | 4736 |
| 600 | 2 | 60 | 2.4 | -2.1 | -1.2 | 2 | 193 | 2.8 | .6 | 2.8 | 2 | 168 | 2.0 | -.4 | 1.9 | 2 | 145 | 2.4 | -1.4 | 2.0 | 4393 |
| 625 | 2 | 133 | 2.2 | -1.6 | 1.5 | 2 | 187 | 3.7 | .4 | 3.7 | 2 | 179 | 4.5 | -.1 | 4.5 | 2 | 160 | 4.7 | -1.6 | 4.4 | 4062 |
| 650 | 2 | 162 | 4.2 | -1.3 | 4.0 | 2 | 149 | 4.7 | -2.4 | 4.0 | 2 | 154 | 4.9 | -2.2 | 4.4 | 2 | 150 | 5.6 | -2.8 | 4.8 | 3742 |
| 675 | 2 | 152 | 4.9 | -2.3 | 4.3 | 2 | 129 | 7.9 | -6.1 | 4.9 | 2 | 127 | 6.5 | -5.2 | 3.9 | 2 | 122 | 6.2 | -5.3 | 3.3 | 3431 |
| 700 | 2 | 135 | 6.2 | -4.4 | 4.4 | 2 | 117 | 10.2 | -9.1 | 4.6 | 2 | 104 | 9.0 | -8.7 | 2.3 | 2 | 94 | 9.1 | -9.1 | .7 | 3130 |
| 725 | 2 | 122 | 7.7 | -6.6 | 4.1 | 2 | 100 | 10.0 | -9.9 | 1.8 | 2 | 82 | 10.2 | -10.1 | -1.5 | 2 | 80 | 11.1 | -10.9 | -2.0 | 2837 |
| 750 | 2 | 102 | 7.2 | -7.1 | 1.5 | 2 | 77 | 9.6 | -9.4 | -2.2 | 2 | 76 | 9.7 | -9.4 | -2.3 | 2 | 77 | 11.1 | -10.8 | -2.5 | 2553 |
| 775 | 2 | 74 | 5.8 | -5.6 | -1.6 | 2 | 72 | 10.3 | -9.8 | -3.1 | 2 | 85 | 9.6 | -9.6 | -.9 | 2 | 82 | 10.4 | -10.3 | -1.4 | 2276 |
| 800 | 2 | 84 | 7.7 | -7.6 | -.8 | 2 | 81 | 10.4 | -10.3 | -1.7 | 2 | 83 | 10.9 | -10.8 | -1.4 | 2 | 83 | 10.1 | -10.0 | -1.2 | 2007 |
| 825 | 2 | 73 | 10.0 | -9.6 | -2.9 | 3 | 79 | 10.6 | -10.4 | -2.1 | 2 | 73 | 12.0 | -11.5 | -3.5 | 3 | 74 | 10.4 | -10.0 | -2.8 | 1745 |
| 850 | | 65 | 11.3 | -10.2 | -4.7 | | 68 | 11.6 | -10.8 | -4.3 | | 66 | 12.5 | -11.4 | -5.2 | | 66 | 10.9 | -9.9 | -4.4 | 1490 |
| 875 | | 66 | 11.5 | -10.5 | -4.7 | | 63 | 12.5 | -11.1 | -5.7 | | 64 | 12.3 | -11.1 | -5.4 | | 66 | 10.7 | -9.8 | -4.3 | 1242 |
| 900 | | 69 | 11.0 | -10.3 | -4.0 | | 64 | 12.2 | -11.0 | -5.4 | | 69 | 11.5 | -10.8 | -4.1 | | 71 | 10.4 | -9.8 | -3.4 | 999 |
| 925 | | 68 | 9.7 | -8.9 | -3.7 | | 69 | 11.0 | -10.2 | -4.0 | | 78 | 10.6 | -10.4 | -2.2 | | 76 | 10.3 | -10.0 | -2.5 | 762 |
| 950 | | 68 | 7.7 | -7.1 | -2.9 | | 77 | 8.9 | -8.6 | -2.1 | | 87 | 9.2 | -9.2 | -.5 | | 83 | 9.4 | -9.3 | -1.2 | 529 |
| 975 | | 78 | 6.0 | -5.9 | -1.2 | | 88 | 6.6 | -6.6 | -.2 | | 93 | 7.5 | -7.5 | .3 | | 94 | 7.3 | -7.3 | .5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA — CHRISTMAS ISLAND

| | 3/17 547 GMT | | | | 3/17 1145 GMT | | | | 3/17 1750 GMT | | | | 3/18 0 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 285 | 6.1 | 5.9 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 281 | 11.2 | 10.9 | -2.2 | 19517 |
| 70 | 2 | 293 | 18.4 | 16.9 | -7.3 | 2 | 269 | 13.9 | 13.9 | .3 | 2 | 279 | 12.7 | 12.6 | -2.1 | 2 | 293 | 12.1 | 11.1 | -4.8 | 18589 |
| 80 | 2 | 210 | 1.9 | 1.0 | 1.7 | 2 | 279 | 2.3 | 2.2 | -.3 | 2 | 313 | 2.1 | 1.5 | -1.4 | 2 | 347 | 5.5 | 1.2 | -5.4 | 17801 |
| 90 | 2 | 222 | 7.9 | 5.3 | 5.9 | 2 | 277 | 7.6 | 7.5 | -.9 | 2 | 289 | 14.0 | 13.2 | -4.6 | 2 | 236 | 6.8 | 5.6 | 3.8 | 17121 |
| 100 | 2 | 240 | 11.9 | 10.4 | 5.9 | 2 | 265 | 11.5 | 11.5 | 1.1 | 2 | 275 | 10.8 | 10.8 | -1.0 | 2 | 255 | 6.0 | 5.8 | 1.6 | 16521 |
| 110 | 2 | 226 | 8.9 | 6.4 | 6.1 | 2 | 255 | 6.1 | 5.9 | 1.5 | 2 | 287 | 3.1 | 3.0 | -.9 | 2 | 341 | 4.7 | 1.5 | -4.4 | 15978 |
| 120 | 2 | 44 | 2.3 | -1.6 | -1.6 | 1 | 295 | 3.8 | 3.5 | -1.6 | 2 | 300 | 5.4 | 4.7 | -2.6 | 2 | 324 | 7.5 | 4.4 | -6.0 | 15479 |
| 130 | 2 | 16 | 5.8 | -1.5 | -5.5 | 1 | 312 | 3.2 | 2.4 | -2.1 | 2 | 293 | 5.3 | 4.9 | -2.1 | 2 | 312 | 6.8 | 5.0 | -4.6 | 15014 |
| 140 | 2 | 10 | 7.1 | -1.2 | -7.0 | 1 | 345 | 3.4 | .9 | -3.3 | 2 | 279 | 2.7 | 2.7 | -.4 | 2 | 324 | 7.0 | 4.1 | -5.6 | 14578 |
| 150 | 2 | 358 | 7.1 | .2 | -7.0 | 2 | 3 | 4.3 | -.2 | -4.3 | 2 | 336 | .9 | .4 | -.9 | 2 | 326 | 8.3 | 4.6 | -6.9 | 14167 |
| 160 | 2 | 348 | 5.9 | 1.2 | -5.8 | 2 | 346 | 4.3 | 1.0 | -4.2 | 2 | 349 | 2.3 | .4 | -2.3 | 2 | 327 | 9.5 | 5.1 | -8.0 | 13776 |
| 170 | 2 | 334 | 5.8 | 2.5 | -5.2 | 2 | 327 | 4.3 | 2.3 | -3.6 | 2 | 326 | 3.0 | 1.7 | -2.5 | 2 | 325 | 8.7 | 5.0 | -7.1 | 13404 |
| 180 | 2 | 323 | 6.5 | 3.9 | -5.2 | 2 | 310 | 4.8 | 3.6 | -3.1 | 2 | 330 | 3.2 | 1.6 | -2.8 | 2 | 319 | 7.7 | 5.0 | -5.8 | 13049 |
| 190 | 2 | 310 | 5.9 | 4.5 | -3.7 | 2 | 293 | 5.6 | 5.2 | -2.2 | 2 | 328 | 3.8 | 2.0 | -3.2 | 2 | 317 | 6.7 | 4.6 | -4.9 | 12709 |
| 200 | 2 | 285 | 5.6 | 5.4 | -1.5 | 2 | 279 | 5.2 | 5.1 | -.8 | 2 | 318 | 3.2 | 2.1 | -2.4 | 2 | 315 | 5.1 | 3.6 | -3.6 | 12383 |
| 225 | 2 | 265 | 13.3 | 13.3 | 1.1 | 2 | 263 | 13.1 | 13.0 | 1.6 | 2 | 274 | 3.4 | 3.4 | -.3 | 2 | 341 | 4.8 | 1.5 | -4.5 | 11617 |
| 250 | 2 | 253 | 20.0 | 19.1 | 5.9 | 2 | 250 | 20.8 | 19.6 | 7.0 | 2 | 246 | 13.7 | 12.5 | 5.6 | 2 | 317 | 2.2 | 1.5 | -1.6 | 10914 |
| 275 | 2 | 266 | 17.8 | 17.7 | 1.3 | 2 | 259 | 14.9 | 14.6 | 2.8 | 2 | 245 | 16.8 | 15.2 | 7.0 | 2 | 252 | 12.0 | 11.4 | 3.6 | 10262 |
| 300 | 2 | 275 | 16.1 | 16.1 | -1.3 | 2 | 273 | 15.7 | 15.7 | -.7 | 2 | 258 | 15.3 | 15.0 | 3.2 | 2 | 247 | 14.9 | 13.7 | 5.8 | 9654 |
| 325 | 2 | 265 | 11.2 | 11.1 | 1.0 | 2 | 262 | 12.4 | 12.3 | 1.6 | 2 | 266 | 12.5 | 12.4 | .9 | 2 | 251 | 11.8 | 11.1 | 3.8 | 9084 |
| 350 | 2 | 244 | 9.7 | 8.7 | 4.3 | 2 | 249 | 9.4 | 8.8 | 3.3 | 2 | 246 | 10.9 | 10.0 | 4.5 | 2 | 250 | 12.3 | 11.6 | 4.2 | 8546 |
| 375 | 2 | 248 | 9.7 | 9.0 | 3.6 | 2 | 263 | 10.4 | 10.3 | 1.2 | 2 | 252 | 9.8 | 9.3 | 3.0 | 2 | 256 | 10.5 | 10.2 | 2.5 | 8039 |
| 400 | 2 | 253 | 10.4 | 9.9 | 3.1 | 2 | 254 | 10.2 | 9.9 | 2.7 | 2 | 258 | 11.5 | 11.3 | 2.3 | 2 | 251 | 10.5 | 9.9 | 3.4 | 7557 |
| 425 | 2 | 237 | 6.9 | 5.8 | 3.7 | 2 | 235 | 6.6 | 5.4 | 3.8 | 2 | 255 | 9.7 | 9.4 | 2.6 | 2 | 255 | 10.5 | 10.1 | 2.8 | 7099 |
| 450 | 2 | 233 | 5.4 | 4.3 | 3.3 | 2 | 258 | 3.4 | 3.3 | .7 | 2 | 264 | 4.6 | 4.5 | .5 | 2 | 268 | 5.7 | 5.7 | .2 | 6662 |
| 475 | 2 | 238 | 2.0 | 1.7 | 1.1 | 2 | 23 | .8 | -.3 | -.8 | 2 | 343 | 2.1 | .6 | -2.0 | 2 | 356 | .7 | .1 | -.7 | 6244 |
| 500 | 2 | 251 | 3.3 | 3.1 | 1.1 | 2 | 275 | 2.1 | 2.1 | -.2 | 2 | 311 | 3.1 | 2.4 | -2.1 | 2 | 331 | .8 | .4 | -.7 | 5844 |
| 525 | 2 | 260 | 3.6 | 3.5 | .6 | 2 | 271 | 3.5 | 3.5 | -.1 | 2 | 303 | 3.2 | 2.7 | -1.7 | 2 | 272 | 2.2 | 2.2 | -.1 | 5460 |
| 550 | 2 | 107 | 1.1 | -1.1 | .3 | 2 | 84 | .4 | -.4 | -.0 | 2 | 24 | 2.5 | -1.0 | -2.3 | 2 | 80 | 1.6 | -1.6 | -.3 | 5091 |
| 575 | 2 | 93 | 2.8 | -2.8 | .2 | 2 | 89 | 2.8 | -2.8 | -.0 | 2 | 65 | 4.8 | -4.4 | -2.0 | 2 | 77 | 5.7 | -5.6 | -1.2 | 4736 |
| 600 | 2 | 171 | 2.7 | -.4 | 2.7 | 2 | 135 | 2.7 | -1.9 | 1.9 | 2 | 77 | 4.9 | -4.8 | -1.1 | 2 | 82 | 5.2 | -5.1 | -.7 | 4393 |
| 625 | 2 | 171 | 5.5 | -.8 | 5.4 | 2 | 140 | 4.2 | -2.7 | 3.3 | 2 | 108 | 2.9 | -2.8 | .9 | 2 | 80 | 3.7 | -3.6 | -.6 | 4062 |
| 650 | 2 | 141 | 5.3 | -3.4 | 4.1 | 2 | 100 | 4.0 | -3.9 | .7 | 2 | 89 | 3.8 | -3.8 | -.0 | 2 | 76 | 5.4 | -5.3 | -1.3 | 3742 |
| 675 | 2 | 107 | 7.2 | -6.9 | 2.1 | 2 | 88 | 6.2 | -6.2 | -.2 | 2 | 83 | 7.8 | -7.7 | -.9 | 2 | 80 | 8.3 | -8.2 | -1.5 | 3431 |
| 700 | 2 | 92 | 10.2 | -10.2 | .3 | 2 | 96 | 10.6 | -10.6 | 1.0 | 2 | 92 | 11.6 | -11.6 | .4 | 2 | 79 | 11.0 | -10.8 | -2.1 | 3130 |
| 725 | 2 | 79 | 11.4 | -11.2 | -2.2 | 2 | 86 | 12.4 | -12.4 | -.9 | 2 | 86 | 12.7 | -12.7 | -.9 | 2 | 70 | 13.3 | -12.6 | -4.5 | 2837 |
| 750 | 2 | 75 | 11.2 | -10.8 | -2.9 | 2 | 73 | 12.3 | -11.8 | -3.6 | 2 | 72 | 13.0 | -12.4 | -4.0 | 2 | 68 | 15.3 | -14.1 | -5.8 | 2553 |
| 775 | 2 | 83 | 10.3 | -10.3 | -1.2 | 2 | 72 | 11.9 | -11.3 | -3.7 | 2 | 72 | 13.7 | -13.0 | -4.2 | 2 | 76 | 16.2 | -15.7 | -3.9 | 2276 |
| 800 | 2 | 87 | 11.0 | -10.9 | -.5 | 2 | 76 | 11.1 | -10.8 | -2.7 | 2 | 79 | 14.3 | -14.0 | -2.8 | 2 | 81 | 15.7 | -15.5 | -2.3 | 2007 |
| 825 | 2 | 78 | 12.8 | -12.5 | -2.6 | 2 | 74 | 11.4 | -11.0 | -3.2 | 2 | 79 | 14.9 | -14.7 | -2.8 | 2 | 78 | 14.1 | -13.8 | -2.8 | 1745 |
| 850 | | 67 | 13.6 | -12.5 | -5.4 | | 70 | 13.2 | -12.4 | -4.4 | | 77 | 15.0 | -14.6 | -3.5 | | 76 | 13.2 | -12.8 | -3.3 | 1490 |
| 875 | | 62 | 12.6 | -11.1 | -6.0 | | 70 | 13.7 | -12.9 | -4.7 | | 77 | 14.0 | -13.6 | -3.3 | | 79 | 13.3 | -13.1 | -2.5 | 1242 |
| 900 | | 67 | 11.9 | -11.0 | -4.7 | | 72 | 12.6 | -12.0 | -3.8 | | 80 | 12.5 | -12.3 | -2.2 | | 84 | 13.2 | -13.2 | -1.3 | 999 |
| 925 | | 77 | 11.7 | -11.4 | -2.7 | | 78 | 11.5 | -11.2 | -2.5 | | 86 | 11.5 | -11.4 | -.8 | | 89 | 12.1 | -12.1 | -.2 | 762 |
| 950 | | 87 | 10.2 | -10.2 | -.6 | | 86 | 10.1 | -10.1 | -.8 | | 93 | 10.8 | -10.8 | .6 | | 93 | 10.2 | -10.1 | .6 | 529 |
| 975 | | 99 | 8.7 | -8.6 | 1.4 | | 96 | 8.3 | -8.3 | .8 | | 100 | 9.9 | -9.7 | 1.8 | | 94 | 8.8 | -8.8 | .6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/18 531 GMT | | | | 3/18 1255 GMT | | | | 3/18 1740 GMT | | | | 3/18 2035 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 308 | 10.0 | 7.9 | -6.2 | 2 | 296 | 6.9 | 6.2 | -3.0 | 2 | 290 | 6.6 | 6.2 | -2.3 | 2 | 293 | 7.6 | 7.0 | -3.0 | 18589 |
| 80 | 2 | 320 | 10.0 | 6.4 | -7.6 | 2 | 314 | 8.8 | 6.3 | -6.1 | 2 | 312 | 11.2 | 8.3 | -7.4 | 2 | 315 | 13.9 | 9.9 | -9.8 | 17801 |
| 90 | 2 | 193 | 2.3 | .5 | 2.2 | 2 | 286 | 2.9 | 2.7 | -.8 | 2 | 298 | 6.1 | 5.4 | -2.8 | 2 | 272 | 6.8 | 6.8 | -.2 | 17121 |
| 100 | 2 | 240 | 9.7 | 8.3 | 4.9 | 2 | 275 | 12.0 | 12.0 | -1.0 | 2 | 247 | 13.6 | 12.5 | 5.4 | 2 | 249 | 11.3 | 10.6 | 4.0 | 16521 |
| 110 | 2 | 282 | 3.2 | 3.1 | -.7 | 2 | 252 | 5.0 | 4.7 | 1.6 | 2 | 231 | 6.7 | 5.2 | 4.2 | 2 | 227 | 11.5 | 8.4 | 7.8 | 15978 |
| 120 | 2 | 305 | 8.7 | 7.1 | -4.9 | 2 | 285 | 8.0 | 7.7 | -2.0 | 2 | 277 | 8.7 | 8.6 | -1.0 | 2 | 254 | 9.8 | 9.4 | 2.7 | 15479 |
| 130 | 2 | 294 | 7.4 | 6.8 | -3.0 | 2 | 289 | 10.6 | 10.0 | -3.5 | 2 | 286 | 9.3 | 8.9 | -2.6 | 2 | 276 | 8.3 | 8.2 | -.9 | 15014 |
| 140 | 2 | 295 | 6.5 | 5.9 | -2.7 | 2 | 284 | 9.4 | 9.2 | -2.3 | 2 | 296 | 8.7 | 7.8 | -3.8 | 2 | 275 | 8.2 | 8.1 | -.7 | 14578 |
| 150 | 2 | 292 | 8.1 | 7.5 | -3.0 | 2 | 287 | 10.9 | 10.5 | -3.3 | 2 | 279 | 10.6 | 10.5 | -1.6 | 2 | 277 | 9.4 | 9.3 | -1.2 | 14167 |
| 160 | 2 | 283 | 8.8 | 8.5 | -2.0 | 2 | 290 | 11.2 | 10.5 | -3.8 | 2 | 275 | 11.2 | 11.1 | -1.0 | 2 | 287 | 9.1 | 8.7 | -2.6 | 13776 |
| 170 | 2 | 289 | 8.7 | 8.2 | -2.8 | 2 | 303 | 9.5 | 8.0 | -5.1 | 2 | 290 | 9.8 | 9.2 | -3.3 | 2 | 298 | 8.6 | 7.6 | -4.0 | 13404 |
| 180 | 2 | 301 | 10.1 | 8.6 | -5.2 | 2 | 309 | 10.3 | 7.9 | -6.5 | 2 | 305 | 10.0 | 8.2 | -5.7 | 2 | 296 | 9.9 | 8.9 | -4.3 | 13049 |
| 190 | 2 | 307 | 11.7 | 9.3 | -7.1 | 2 | 300 | 11.8 | 10.2 | -6.0 | 2 | 296 | 11.9 | 10.8 | -5.2 | 2 | 284 | 11.0 | 10.7 | -2.7 | 12709 |
| 200 | 2 | 309 | 11.8 | 9.2 | -7.5 | 2 | 293 | 12.8 | 11.7 | -5.1 | 2 | 289 | 13.0 | 12.3 | -4.2 | 2 | 275 | 12.9 | 12.9 | -1.2 | 12383 |
| 225 | 2 | 320 | 9.2 | 5.9 | -7.1 | 2 | 296 | 13.7 | 12.3 | -6.0 | 2 | 285 | 12.0 | 11.6 | -3.1 | 2 | 282 | 14.2 | 13.9 | -2.9 | 11617 |
| 250 | 2 | 328 | 6.3 | 3.3 | -5.3 | 2 | 278 | 8.5 | 8.4 | -1.2 | 2 | 273 | 13.5 | 13.5 | -.6 | 2 | 250 | 11.9 | 11.2 | 4.0 | 10914 |
| 275 | 2 | 316 | 5.9 | 4.1 | -4.3 | 2 | 284 | 9.8 | 9.5 | -2.3 | 2 | 259 | 11.8 | 11.6 | 2.3 | 2 | 268 | 10.5 | 10.5 | .4 | 10262 |
| 300 | 2 | 257 | 10.9 | 10.6 | 2.5 | 2 | 274 | 13.1 | 13.1 | -.8 | 2 | 266 | 12.5 | 12.5 | .9 | 2 | 258 | 12.5 | 12.3 | 2.5 | 9654 |
| 325 | 2 | 227 | 11.6 | 8.4 | 8.0 | 2 | 256 | 9.2 | 8.9 | 2.2 | 2 | 275 | 11.7 | 11.7 | -1.0 | 2 | 268 | 14.4 | 14.4 | .5 | 9084 |
| 350 | 2 | 242 | 10.8 | 9.5 | 5.1 | 2 | 251 | 8.0 | 7.6 | 2.7 | 2 | 264 | 8.4 | 8.4 | .8 | 2 | 270 | 7.7 | 7.7 | .1 | 8546 |
| 375 | 2 | 245 | 9.2 | 8.4 | 3.9 | 2 | 256 | 8.6 | 8.3 | 2.1 | 2 | 265 | 8.9 | 8.9 | .8 | 2 | 269 | 8.5 | 8.5 | .2 | 8039 |
| 400 | 2 | 245 | 8.3 | 7.5 | 3.6 | 2 | 260 | 8.2 | 8.1 | 1.4 | 2 | 262 | 8.5 | 8.4 | 1.2 | 2 | 270 | 7.8 | 7.8 | .0 | 7557 |
| 425 | 2 | 264 | 5.9 | 5.9 | .6 | 2 | 286 | 5.9 | 5.7 | -1.6 | 2 | 272 | 8.3 | 8.3 | -.3 | 2 | 273 | 6.7 | 6.7 | -.4 | 7099 |
| 450 | 2 | 312 | 3.6 | 2.7 | -2.4 | 2 | 320 | 5.8 | 3.7 | -4.4 | 2 | 318 | 6.9 | 4.6 | -5.1 | 2 | 322 | 7.2 | 4.4 | -5.6 | 6662 |
| 475 | 2 | 11 | 3.7 | -.7 | -3.6 | 2 | 347 | 5.2 | 1.2 | -5.1 | 2 | 340 | 6.9 | 2.3 | -6.5 | 2 | 344 | 8.0 | 2.2 | -7.7 | 6244 |
| 500 | 2 | 12 | 4.1 | -.9 | -4.0 | 2 | 34 | 5.4 | -3.0 | -4.5 | 2 | 19 | 6.1 | -2.0 | -5.7 | 2 | 31 | 7.5 | -3.9 | -6.4 | 5844 |
| 525 | 2 | 331 | 4.6 | 2.2 | -4.0 | 2 | 37 | 5.0 | -3.0 | -4.0 | 2 | 50 | 7.5 | -5.8 | -4.8 | 2 | 52 | 7.8 | -6.2 | -4.9 | 5460 |
| 550 | 2 | 2 | 3.0 | -.1 | -3.0 | 2 | 53 | 6.0 | -4.8 | -3.6 | 2 | 56 | 6.2 | -5.1 | -3.4 | 2 | 58 | 7.3 | -6.2 | -3.9 | 5091 |
| 575 | 2 | 57 | 5.7 | -4.7 | -3.1 | 2 | 67 | 7.8 | -7.2 | -3.1 | 2 | 63 | 7.9 | -7.1 | -3.6 | 2 | 69 | 8.9 | -8.3 | -3.2 | 4736 |
| 600 | 2 | 69 | 9.5 | -8.9 | -3.4 | 2 | 68 | 8.7 | -8.0 | -3.2 | 2 | 72 | 12.4 | -11.8 | -3.7 | 2 | 77 | 10.3 | -10.1 | -2.4 | 4393 |
| 625 | 2 | 67 | 7.6 | -7.0 | -2.9 | 2 | 65 | 9.8 | -8.9 | -4.1 | 2 | 73 | 12.0 | -11.5 | -3.4 | 2 | 80 | 11.3 | -11.1 | -2.0 | 4062 |
| 650 | 2 | 58 | 5.8 | -5.0 | -3.0 | 2 | 63 | 9.5 | -8.5 | -4.2 | 2 | 73 | 12.1 | -11.6 | -3.5 | 2 | 84 | 11.3 | -11.3 | -1.1 | 3742 |
| 675 | 2 | 68 | 9.2 | -8.5 | -3.5 | 2 | 69 | 10.2 | -9.6 | -3.6 | 2 | 74 | 13.1 | -12.6 | -3.5 | 2 | 84 | 10.1 | -10.0 | -1.1 | 3431 |
| 700 | 2 | 73 | 12.1 | -11.5 | -3.6 | 2 | 73 | 11.8 | -11.3 | -3.4 | 2 | 73 | 12.6 | -12.1 | -3.6 | 2 | 81 | 11.4 | -11.2 | -1.9 | 3130 |
| 725 | 2 | 70 | 12.6 | -11.8 | -4.3 | 2 | 71 | 12.6 | -11.9 | -4.1 | 2 | 78 | 12.3 | -12.0 | -2.6 | 2 | 84 | 13.8 | -13.7 | -1.4 | 2837 |
| 750 | 2 | 71 | 14.2 | -13.4 | -4.7 | 2 | 70 | 12.5 | -11.7 | -4.4 | 2 | 87 | 12.9 | -12.9 | -.8 | 2 | 91 | 15.3 | -15.3 | .4 | 2553 |
| 775 | 2 | 79 | 15.5 | -15.2 | -3.0 | 2 | 76 | 12.1 | -11.8 | -2.8 | 2 | 95 | 13.1 | -13.1 | 1.1 | 2 | 95 | 15.0 | -15.0 | 1.3 | 2276 |
| 800 | 2 | 84 | 14.9 | -14.8 | -1.5 | 2 | 92 | 12.1 | -12.1 | .3 | 2 | 101 | 13.5 | -13.3 | 2.5 | 2 | 91 | 14.0 | -14.0 | .3 | 2007 |
| 825 | 2 | 84 | 13.8 | -13.7 | -1.5 | 2 | 100 | 12.4 | -12.2 | 2.1 | 2 | 99 | 14.2 | -14.0 | 2.2 | 2 | 91 | 15.1 | -15.1 | .3 | 1745 |
| 850 | | 80 | 14.1 | -13.9 | -2.4 | 2 | 96 | 12.6 | -12.5 | 1.3 | | 95 | 15.3 | -15.2 | 1.4 | 3 | 95 | 16.4 | -16.3 | 1.5 | 1490 |
| 875 | | 79 | 15.1 | -14.8 | -2.8 | | 91 | 13.2 | -13.2 | .2 | | 93 | 16.2 | -16.2 | .8 | | 97 | 15.7 | -15.6 | 1.8 | 1242 |
| 900 | | 82 | 15.0 | -14.9 | -2.1 | | 93 | 13.5 | -13.5 | .7 | | 92 | 16.2 | -16.2 | .4 | | 98 | 15.1 | -15.0 | 2.0 | 999 |
| 925 | | 89 | 13.9 | -13.9 | -.2 | | 97 | 12.9 | -12.8 | 1.5 | | 94 | 15.5 | -15.5 | 1.1 | | 100 | 15.5 | -15.2 | 2.8 | 762 |
| 950 | | 97 | 12.3 | -12.2 | 1.6 | | 99 | 11.6 | -11.4 | 1.8 | | 99 | 13.9 | -13.7 | 2.1 | | 103 | 14.5 | -14.2 | 3.2 | 529 |
| 975 | | 105 | 10.6 | -10.2 | 2.7 | | 103 | 10.3 | -10.0 | 2.4 | | 102 | 10.4 | -10.1 | 2.1 | | 103 | 11.7 | -11.4 | 2.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/18 2343 GMT | | | | | 3/19 255 GMT | | | | | 3/19 6 5 GMT | | | | | 3/19 9 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 271 | 4.6 | 4.6 | -.1 | 2 | 299 | 8.7 | 7.6 | -4.2 | 2 | 327 | 5.8 | 3.2 | -4.9 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 284 | 11.3 | 11.0 | -2.7 | 2 | 283 | 11.1 | 10.8 | -2.6 | 2 | 307 | 11.0 | 8.8 | -6.7 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 299 | 11.5 | 10.1 | -5.5 | 2 | 283 | 9.1 | 8.8 | -2.1 | 2 | 274 | 11.2 | 11.2 | -.7 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 294 | 10.6 | 9.6 | -4.3 | 2 | 298 | 15.3 | 13.5 | -7.3 | 2 | 282 | 15.2 | 14.9 | -3.2 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 234 | 11.8 | 9.5 | 7.0 | 2 | 259 | 11.1 | 10.9 | 2.1 | 2 | 270 | 14.7 | 14.7 | -.1 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 243 | 13.5 | 12.1 | 6.2 | 2 | 243 | 13.1 | 11.7 | 5.9 | 2 | 253 | 14.0 | 13.4 | 4.1 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 252 | 12.4 | 11.8 | 3.7 | 2 | 252 | 12.7 | 12.1 | 3.9 | 2 | 251 | 13.3 | 12.6 | 4.4 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 258 | 13.2 | 12.9 | 2.7 | 2 | 254 | 13.2 | 12.7 | 3.7 | 2 | 252 | 14.0 | 13.3 | 4.4 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 267 | 12.0 | 12.0 | .7 | 2 | 263 | 12.8 | 12.7 | 1.5 | 2 | 253 | 13.3 | 12.8 | 3.9 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 265 | 9.6 | 9.6 | .9 | 2 | 261 | 12.4 | 12.2 | 2.0 | 2 | 255 | 13.0 | 12.5 | 3.3 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 272 | 9.8 | 9.8 | -.4 | 2 | 253 | 12.4 | 11.9 | 3.6 | 2 | 254 | 13.4 | 12.9 | 3.6 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 276 | 12.0 | 11.9 | -1.2 | 2 | 253 | 11.4 | 10.9 | 3.3 | 2 | 257 | 14.5 | 14.1 | 3.3 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 270 | 13.4 | 13.4 | -.1 | 2 | 255 | 11.1 | 10.7 | 2.8 | 2 | 258 | 13.3 | 13.0 | 2.7 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 265 | 12.3 | 12.3 | 1.0 | 2 | 252 | 11.0 | 10.4 | 3.4 | 2 | 256 | 11.8 | 11.4 | 2.8 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 264 | 13.1 | 13.0 | 1.3 | 2 | 266 | 10.5 | 10.5 | .7 | 2 | 263 | 9.4 | 9.3 | 1.1 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 272 | 14.0 | 14.0 | -.5 | 2 | 256 | 11.8 | 11.4 | 3.0 | 2 | 259 | 15.9 | 15.6 | 2.9 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 262 | 14.0 | 13.8 | 1.8 | 2 | 257 | 19.4 | 18.9 | 4.4 | 2 | 253 | 21.4 | 20.4 | 6.2 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 263 | 15.1 | 14.9 | 1.9 | 2 | 267 | 17.7 | 17.6 | 1.0 | 2 | 253 | 22.5 | 21.5 | 6.7 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 261 | 17.1 | 16.9 | 2.8 | 2 | 270 | 18.5 | 18.5 | -.1 | 2 | 267 | 18.4 | 18.4 | 1.1 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 283 | 11.2 | 10.9 | -2.6 | 2 | 271 | 18.0 | 18.0 | -.4 | 2 | 267 | 17.9 | 17.9 | .9 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 286 | 10.8 | 10.4 | -2.9 | 2 | 283 | 13.9 | 13.6 | -3.1 | 2 | 285 | 14.2 | 13.8 | -3.6 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 279 | 10.0 | 9.9 | -1.6 | 2 | 281 | 9.5 | 9.3 | -1.9 | 2 | 285 | 12.9 | 12.4 | -3.2 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 273 | 7.5 | 7.5 | -.4 | 2 | 289 | 8.9 | 8.4 | -2.8 | 2 | 280 | 7.9 | 7.8 | -1.4 | 7099 |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 297 | 7.0 | 6.3 | -3.2 | 2 | 277 | 7.0 | 6.9 | -.8 | 2 | 270 | 5.4 | 5.4 | -.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 316 | 9.1 | 6.3 | -6.6 | 2 | 286 | 6.8 | 6.5 | -1.9 | 2 | 262 | 5.3 | 5.2 | .7 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 334 | 8.2 | 3.6 | -7.3 | 2 | 330 | 4.4 | 2.2 | -3.8 | 2 | 336 | 2.4 | 1.0 | -2.2 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 17 | 6.0 | -1.8 | -5.8 | 2 | 45 | 4.9 | -3.5 | -3.5 | 2 | 75 | 5.6 | -5.5 | -1.5 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 57 | 6.0 | -5.0 | -3.2 | 2 | 72 | 5.5 | -5.2 | -1.7 | 2 | 87 | 6.8 | -6.8 | -.3 | 5091 |
| 575 | 2 | 70 | 9.3 | -8.7 | -3.1 | 2 | 76 | 5.9 | -5.8 | -1.4 | 2 | 84 | 7.4 | -7.3 | -.8 | 2 | 88 | 9.6 | -9.6 | -.3 | 4736 |
| 600 | 2 | 70 | 9.7 | -9.1 | -3.3 | 2 | 80 | 7.9 | -7.8 | -1.4 | 2 | 86 | 8.8 | -8.8 | -.7 | 2 | 90 | 12.7 | -12.7 | .0 | 4393 |
| 625 | 2 | 76 | 10.6 | -10.3 | -2.6 | 2 | 92 | 8.9 | -8.9 | .3 | 2 | 89 | 12.0 | -12.0 | -.2 | 2 | 96 | 11.4 | -11.4 | 1.2 | 4062 |
| 650 | 2 | 84 | 11.3 | -11.3 | -1.2 | 2 | 98 | 10.2 | -10.1 | 1.5 | 2 | 93 | 13.6 | -13.6 | .7 | 2 | 105 | 13.6 | -13.2 | 3.4 | 3742 |
| 675 | 2 | 87 | 12.8 | -12.7 | -.6 | 2 | 98 | 11.4 | -11.3 | 1.6 | 2 | 100 | 13.5 | -13.3 | 2.4 | 2 | 105 | 17.2 | -16.6 | 4.4 | 3431 |
| 700 | 2 | 86 | 12.8 | -12.7 | -.9 | 2 | 94 | 12.3 | -12.3 | .8 | 2 | 102 | 14.1 | -13.8 | 2.9 | 2 | 96 | 17.8 | -17.7 | 1.9 | 3130 |
| 725 | 2 | 83 | 12.6 | -12.5 | -1.6 | 2 | 90 | 16.4 | -16.4 | .1 | 2 | 100 | 16.3 | -16.1 | 2.8 | 2 | 83 | 17.4 | -17.2 | -2.1 | 2837 |
| 750 | 2 | 88 | 13.6 | -13.6 | -.5 | 2 | 91 | 19.7 | -19.7 | .3 | 2 | 100 | 18.6 | -18.4 | 3.2 | 2 | 74 | 16.5 | -15.9 | -4.5 | 2553 |
| 775 | 2 | 96 | 14.1 | -14.0 | 1.4 | 2 | 93 | 19.1 | -19.1 | .9 | 2 | 99 | 19.3 | -19.0 | 2.9 | 2 | 74 | 15.6 | -14.9 | -4.3 | 2276 |
| 800 | 2 | 98 | 13.3 | -13.2 | 1.8 | 2 | 95 | 16.6 | -16.6 | 1.4 | 2 | 96 | 18.3 | -18.2 | 1.9 | 2 | 79 | 15.5 | -15.2 | -2.8 | 2007 |
| 825 | 2 | 95 | 14.8 | -14.8 | 1.3 | 2 | 95 | 15.7 | -15.7 | 1.3 | 2 | 95 | 16.9 | -16.8 | 1.5 | 2 | 85 | 16.0 | -15.9 | -1.5 | 1745 |
| 850 | 2 | 93 | 18.3 | -18.3 | 1.0 | | 93 | 17.2 | -17.1 | .8 | 2 | 97 | 17.2 | -17.1 | 2.0 | | 87 | 16.3 | -16.3 | -1.0 | 1490 |
| 875 | | 92 | 19.1 | -19.1 | .8 | | 94 | 17.8 | -17.7 | 1.1 | | 95 | 18.8 | -18.7 | 1.8 | | 87 | 17.0 | -17.0 | -.8 | 1242 |
| 900 | | 95 | 18.3 | -18.2 | 1.5 | | 98 | 16.7 | -16.5 | 2.3 | | 93 | 18.4 | -18.4 | .9 | | 89 | 17.6 | -17.6 | -.3 | 999 |
| 925 | | 99 | 16.8 | -16.6 | 2.7 | | 104 | 14.5 | -14.1 | 3.5 | | 94 | 15.7 | -15.7 | 1.2 | | 91 | 15.6 | -15.6 | .4 | 762 |
| 950 | | 103 | 14.0 | -13.6 | 3.2 | | 109 | 12.2 | -11.5 | 3.9 | | 100 | 12.7 | -12.5 | 2.3 | | 94 | 11.6 | -11.6 | .9 | 529 |
| 975 | | 104 | 10.7 | -10.4 | 2.7 | | 109 | 10.0 | -9.4 | 3.2 | 2 | 100 | 11.2 | -11.0 | 2.0 | | 101 | 9.7 | -9.5 | 1.8 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA — CHRISTMAS ISLAND

| | 3/19 1220 GMT | | | | 3/19 1740 GMT | | | | 3/19 2350 GMT | | | | 3/20 6 1 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 2 | 295 | 11.0 | 10.0 | -4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 308 | 10.8 | 8.5 | -6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 2 | 308 | 7.9 | 6.2 | -4.8 | 1 | 298 | 11.0 | 9.8 | -5.1 | 2 | 311 | 9.3 | 7.1 | -6.0 | 2 | 306 | 7.2 | 5.8 | -4.2 | 18589 |
| 80 | 2 | 296 | 14.4 | 12.9 | -6.3 | 2 | 295 | 8.5 | 7.7 | -3.5 | 2 | 272 | 12.6 | 12.6 | -.4 | 2 | 265 | 13.9 | 13.8 | 1.2 | 17801 |
| 90 | 2 | 289 | 10.2 | 9.7 | -3.3 | 2 | 271 | 13.7 | 13.7 | -.1 | 2 | 271 | 13.1 | 13.1 | -.2 | 2 | 273 | 18.9 | 18.9 | -.8 | 17121 |
| 100 | 2 | 279 | 12.7 | 12.6 | -2.0 | 2 | 305 | 17.6 | 14.4 | -10.1 | 2 | 294 | 12.9 | 11.8 | -5.2 | 2 | 285 | 14.2 | 13.7 | -3.8 | 16521 |
| 110 | 2 | 264 | 17.9 | 17.8 | 1.9 | 2 | 270 | 23.1 | 23.1 | .0 | 2 | 284 | 19.9 | 19.3 | -4.9 | 2 | 274 | 20.9 | 20.8 | -1.4 | 15978 |
| 120 | 2 | 255 | 18.7 | 18.0 | 4.8 | 2 | 256 | 20.0 | 19.4 | 4.9 | 2 | 272 | 24.8 | 24.8 | -1.0 | 2 | 263 | 27.5 | 27.3 | 3.4 | 15479 |
| 130 | 2 | 256 | 16.7 | 16.2 | 4.0 | 2 | 251 | 18.8 | 17.8 | 6.2 | 2 | 254 | 26.3 | 25.3 | 7.1 | 2 | 262 | 27.3 | 27.0 | 3.7 | 15014 |
| 140 | 2 | 256 | 14.8 | 14.4 | 3.5 | 2 | 248 | 20.0 | 18.5 | 7.5 | 2 | 244 | 23.7 | 21.3 | 10.4 | 2 | 262 | 27.7 | 27.4 | 4.0 | 14578 |
| 150 | 2 | 256 | 18.2 | 17.6 | 4.6 | 2 | 247 | 18.0 | 16.6 | 7.0 | 2 | 245 | 20.3 | 18.4 | 8.5 | 2 | 260 | 26.9 | 26.5 | 4.7 | 14167 |
| 160 | 2 | 253 | 14.1 | 13.5 | 4.1 | 2 | 253 | 16.4 | 15.7 | 4.7 | 2 | 249 | 19.9 | 18.5 | 7.1 | 2 | 259 | 26.3 | 25.8 | 5.1 | 13776 |
| 170 | 2 | 246 | 13.0 | 11.9 | 5.2 | 2 | 259 | 15.4 | 15.1 | 2.9 | 2 | 251 | 21.1 | 20.0 | 6.9 | 2 | 254 | 27.3 | 26.3 | 7.4 | 13404 |
| 180 | 2 | 249 | 13.7 | 12.7 | 4.9 | 2 | 260 | 16.6 | 16.3 | 3.0 | 2 | 254 | 22.1 | 21.3 | 5.9 | 2 | 250 | 28.2 | 26.5 | 9.8 | 13049 |
| 190 | 2 | 253 | 14.2 | 13.5 | 4.2 | 2 | 258 | 15.3 | 14.9 | 3.2 | 2 | 259 | 21.3 | 20.9 | 4.0 | 2 | 248 | 27.4 | 25.4 | 10.3 | 12709 |
| 200 | 2 | 254 | 10.6 | 10.1 | 2.9 | 2 | 257 | 14.1 | 13.7 | 3.1 | 2 | 260 | 19.8 | 19.5 | 3.5 | 2 | 249 | 24.2 | 22.6 | 8.7 | 12383 |
| 225 | 2 | 247 | 18.8 | 17.3 | 7.4 | 2 | 253 | 17.5 | 16.8 | 5.0 | 2 | 253 | 21.9 | 21.0 | 6.4 | 2 | 253 | 21.4 | 20.5 | 6.4 | 11617 |
| 250 | 2 | 250 | 22.2 | 20.8 | 7.7 | 2 | 245 | 25.1 | 22.8 | 10.5 | 2 | 250 | 24.4 | 23.0 | 8.3 | 2 | 254 | 24.5 | 23.5 | 6.8 | 10914 |
| 275 | 2 | 248 | 26.2 | 24.3 | 9.7 | 2 | 257 | 23.1 | 22.5 | 5.1 | 2 | 258 | 22.6 | 22.0 | 4.8 | 2 | 257 | 22.5 | 22.0 | 5.1 | 10262 |
| 300 | 2 | 254 | 22.8 | 21.9 | 6.4 | 2 | 260 | 24.1 | 23.7 | 4.3 | 2 | 268 | 22.0 | 22.0 | .9 | 2 | 255 | 20.6 | 19.9 | 5.3 | 9654 |
| 325 | 2 | 272 | 15.4 | 15.4 | -.5 | 2 | 262 | 24.7 | 24.5 | 3.6 | 2 | 270 | 18.6 | 18.6 | -.1 | 2 | 257 | 19.9 | 19.4 | 4.5 | 9084 |
| 350 | 2 | 285 | 15.9 | 15.4 | -4.0 | 2 | 263 | 14.3 | 14.2 | 1.7 | 2 | 264 | 19.4 | 19.3 | 2.2 | 2 | 265 | 18.9 | 18.8 | 1.5 | 8546 |
| 375 | 2 | 285 | 13.9 | 13.4 | -3.6 | 2 | 273 | 12.7 | 12.7 | -.6 | 2 | 259 | 14.9 | 14.6 | 2.9 | 2 | 260 | 16.2 | 15.9 | 2.9 | 8039 |
| 400 | 2 | 278 | 9.7 | 9.6 | -1.3 | 2 | 276 | 8.9 | 8.8 | -1.0 | 2 | 270 | 9.3 | 9.3 | .1 | 2 | 263 | 8.1 | 8.0 | .9 | 7557 |
| 425 | 2 | 268 | 6.6 | 6.6 | .2 | 2 | 275 | 7.0 | 7.0 | -.6 | 2 | 269 | 7.1 | 7.1 | .1 | 2 | 268 | 6.4 | 6.4 | .2 | 7099 |
| 450 | 2 | 260 | 5.5 | 5.4 | .9 | 2 | 279 | 4.7 | 4.6 | -.7 | 2 | 277 | 3.6 | 3.6 | -.4 | 2 | 255 | 7.3 | 7.1 | 1.9 | 6662 |
| 475 | 2 | 274 | 4.6 | 4.6 | -.3 | 2 | 271 | 4.6 | 4.6 | -.1 | 2 | 270 | 2.8 | 2.8 | -.0 | 2 | 240 | 3.8 | 3.3 | 1.9 | 6244 |
| 500 | 2 | 319 | 4.3 | 2.8 | -3.2 | 2 | 313 | 4.1 | 3.0 | -2.8 | 2 | 291 | 3.5 | 3.3 | -1.2 | 2 | 238 | 3.7 | 3.1 | 1.9 | 5844 |
| 525 | 2 | 35 | 4.3 | -2.4 | -3.5 | 2 | 20 | 4.1 | -1.4 | -3.8 | 2 | 8 | 2.4 | -.3 | -2.4 | 2 | 238 | 1.6 | 1.4 | .9 | 5460 |
| 550 | 2 | 76 | 5.4 | -5.2 | -1.3 | 2 | 88 | 7.5 | -7.5 | -.2 | 2 | 105 | 4.9 | -4.7 | 1.2 | 2 | 129 | 4.3 | -3.3 | 2.7 | 5091 |
| 575 | 2 | 100 | 8.3 | -8.2 | 1.5 | 2 | 107 | 10.9 | -10.5 | 3.2 | 2 | 104 | 5.7 | -5.5 | 1.4 | 2 | 149 | 7.3 | -3.8 | 6.2 | 4736 |
| 600 | 2 | 108 | 10.9 | -10.4 | 3.4 | 2 | 110 | 12.0 | -11.3 | 4.1 | 2 | 110 | 7.7 | -7.3 | 2.6 | 2 | 150 | 7.8 | -4.0 | 6.7 | 4393 |
| 625 | 2 | 104 | 12.5 | -12.1 | 3.1 | 2 | 110 | 11.8 | -11.1 | 4.0 | 2 | 115 | 9.8 | -8.8 | 4.1 | 2 | 118 | 9.8 | -8.7 | 4.6 | 4062 |
| 650 | 2 | 96 | 13.7 | -13.7 | 1.3 | 2 | 108 | 12.0 | -11.4 | 3.7 | 2 | 106 | 8.9 | -8.6 | 2.4 | 2 | 108 | 11.5 | -10.9 | 3.6 | 3742 |
| 675 | 2 | 95 | 13.1 | -13.1 | 1.1 | 2 | 104 | 12.3 | -11.9 | 3.0 | 2 | 102 | 8.2 | -8.0 | 1.7 | 2 | 114 | 11.4 | -10.5 | 4.6 | 3431 |
| 700 | 2 | 91 | 12.3 | -12.3 | .2 | 2 | 98 | 11.3 | -11.2 | 1.5 | 2 | 102 | 9.5 | -9.3 | 2.0 | 2 | 115 | 11.0 | -10.0 | 4.6 | 3130 |
| 725 | 2 | 81 | 13.3 | -13.2 | -2.1 | 2 | 91 | 11.3 | -11.3 | .2 | 2 | 99 | 11.9 | -11.8 | 1.8 | 2 | 101 | 11.4 | -11.2 | 2.2 | 2837 |
| 750 | 2 | 83 | 14.0 | -13.9 | -1.8 | 2 | 92 | 12.9 | -12.8 | .5 | 2 | 98 | 13.8 | -13.7 | 1.9 | 2 | 97 | 12.8 | -12.8 | 1.5 | 2553 |
| 775 | 2 | 85 | 13.6 | -13.6 | -1.2 | 2 | 97 | 13.3 | -13.2 | 1.7 | 3 | 97 | 15.0 | -14.9 | 1.8 | 2 | 96 | 13.4 | -13.3 | 1.4 | 2276 |
| 800 | 2 | 81 | 13.5 | -13.4 | -2.0 | 2 | 98 | 14.6 | -14.4 | 2.1 | | 94 | 16.0 | -16.0 | 1.0 | 2 | 92 | 12.4 | -12.4 | .4 | 2007 |
| 825 | 2 | 83 | 14.5 | -14.4 | -1.8 | 2 | 96 | 16.5 | -16.4 | 1.6 | | 91 | 17.2 | -17.2 | .2 | 2 | 83 | 11.1 | -11.0 | -1.3 | 1745 |
| 850 | 2 | 90 | 16.3 | -16.3 | .1 | | 97 | 16.9 | -16.7 | 2.0 | | 90 | 17.5 | -17.5 | -.1 | | 75 | 11.2 | -10.8 | -3.0 | 1490 |
| 875 | | 96 | 17.9 | -17.8 | 1.8 | | 101 | 17.4 | -17.1 | 3.3 | | 91 | 16.9 | -16.9 | .2 | | 73 | 12.4 | -11.8 | -3.7 | 1242 |
| 900 | | 99 | 18.2 | -17.9 | 3.0 | | 102 | 18.3 | -17.9 | 3.7 | | 90 | 16.3 | -16.3 | .1 | | 77 | 13.0 | -12.6 | -2.9 | 999 |
| 925 | | 102 | 16.4 | -16.0 | 3.5 | | 98 | 17.5 | -17.3 | 2.5 | | 88 | 15.6 | -15.6 | -.5 | | 81 | 11.8 | -11.7 | -1.8 | 762 |
| 950 | | 105 | 12.9 | -12.5 | 3.4 | | 93 | 14.5 | -14.5 | .9 | | 88 | 13.3 | -13.2 | -.5 | | 85 | 9.5 | -9.5 | -.9 | 529 |
| 975 | | 106 | 9.8 | -9.4 | 2.7 | | 91 | 10.3 | -10.3 | .2 | | 97 | 8.6 | -8.5 | 1.0 | | 89 | 7.6 | -7.6 | -.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/20 12 0 GMT | | | | | 3/20 15 0 GMT | | | | | 3/20 1730 GMT | | | | | 3/20 2030 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 313 | 9.5 | 7.0 | -6.4 | | 283 | 14.1 | 13.8 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 22.6 | 22.5 | 2.0 | | 269 | 15.9 | 15.9 | .3 | | 277 | 18.7 | 18.5 | -2.4 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 21.6 | 21.5 | 2.7 | | 265 | 17.3 | 17.2 | 1.4 | | 267 | 18.8 | 18.7 | 1.1 | 17121 |
| 100 | | | | | | | 275 | 16.6 | 16.5 | -1.5 | | 266 | 17.7 | 17.7 | 1.3 | | 261 | 22.7 | 22.4 | 3.5 | 16521 |
| 110 | | | | | | | 294 | 22.4 | 20.4 | -9.3 | | 305 | 21.1 | 17.2 | -12.2 | | 303 | 18.9 | 15.9 | -10.2 | 15978 |
| 120 | | | | | | | 275 | 30.1 | 29.9 | -2.7 | | 291 | 29.0 | 27.1 | -10.4 | | 300 | 28.1 | 24.3 | -14.2 | 15479 |
| 130 | | | | | | | 260 | 32.5 | 32.0 | 5.6 | | 283 | 29.5 | 28.8 | -6.5 | | 296 | 29.7 | 26.8 | -12.9 | 15014 |
| 140 | | | | | | | 256 | 32.9 | 31.9 | 8.2 | | 262 | 32.7 | 32.4 | 4.5 | | 276 | 32.9 | 32.8 | -3.3 | 14578 |
| 150 | | | | | | | 254 | 29.1 | 28.0 | 7.8 | | 257 | 29.1 | 28.3 | 6.8 | | 261 | 35.5 | 35.0 | 5.8 | 14167 |
| 160 | 2 | 258 | 28.6 | 28.0 | 6.1 | | 256 | 28.5 | 27.6 | 7.1 | | 257 | 30.4 | 29.6 | 6.8 | | 263 | 31.9 | 31.7 | 3.7 | 13776 |
| 170 | | 252 | 23.9 | 22.8 | 7.2 | | 252 | 29.4 | 27.9 | 9.3 | | 256 | 30.9 | 29.9 | 7.7 | | 264 | 24.9 | 24.8 | 2.7 | 13404 |
| 180 | | 252 | 29.4 | 28.0 | 9.0 | | 249 | 32.6 | 30.4 | 11.6 | | 251 | 26.8 | 25.3 | 8.9 | | 258 | 23.6 | 23.1 | 4.7 | 13049 |
| 190 | | 252 | 29.7 | 28.3 | 9.3 | | 249 | 31.0 | 29.0 | 10.9 | | 247 | 27.2 | 25.1 | 10.5 | | 254 | 25.5 | 24.6 | 6.9 | 12709 |
| 200 | | 248 | 27.5 | 25.6 | 10.2 | | 252 | 29.7 | 28.2 | 9.2 | | 247 | 29.3 | 26.9 | 11.7 | | 253 | 25.4 | 24.3 | 7.4 | 12383 |
| 225 | | 257 | 22.8 | 22.2 | 5.3 | | 258 | 26.5 | 25.9 | 5.5 | | 252 | 25.5 | 24.3 | 7.9 | | 248 | 26.6 | 24.6 | 10.0 | 11617 |
| 250 | | 251 | 26.0 | 24.5 | 8.6 | | 258 | 24.8 | 24.3 | 5.2 | | 259 | 22.2 | 21.8 | 4.2 | | 256 | 23.5 | 22.7 | 5.9 | 10914 |
| 275 | | 257 | 24.3 | 23.7 | 5.3 | | 263 | 22.8 | 22.6 | 2.8 | | 258 | 21.9 | 21.4 | 4.6 | | 254 | 24.3 | 23.4 | 6.5 | 10262 |
| 300 | | 253 | 23.8 | 22.8 | 7.0 | | 255 | 23.9 | 23.1 | 6.0 | | 264 | 22.9 | 22.7 | 2.5 | | 259 | 24.2 | 23.7 | 4.8 | 9654 |
| 325 | | 251 | 22.3 | 21.1 | 7.2 | | 254 | 23.3 | 22.4 | 6.4 | | 256 | 23.2 | 22.5 | 5.5 | | 267 | 21.7 | 21.7 | 1.0 | 9084 |
| 350 | | 250 | 21.9 | 20.6 | 7.3 | | 253 | 22.8 | 21.8 | 6.7 | | 258 | 23.2 | 22.7 | 4.9 | | 257 | 19.6 | 19.1 | 4.3 | 8546 |
| 375 | | 251 | 16.5 | 15.6 | 5.4 | | 258 | 21.0 | 20.6 | 4.3 | | 260 | 21.9 | 21.6 | 3.7 | | 254 | 20.6 | 19.8 | 5.7 | 8039 |
| 400 | | 244 | 7.1 | 6.4 | 3.1 | | 252 | 15.5 | 14.7 | 4.8 | | 250 | 19.2 | 18.0 | 6.5 | | 250 | 18.8 | 17.6 | 6.5 | 7557 |
| 425 | | 260 | 6.1 | 6.0 | 1.1 | | 245 | 8.5 | 7.7 | 3.6 | | 232 | 9.9 | 7.8 | 6.2 | | 231 | 13.5 | 10.5 | 8.5 | 7099 |
| 450 | | 254 | 5.1 | 4.9 | 1.4 | | 255 | 6.4 | 6.1 | 1.7 | | 216 | 6.6 | 3.9 | 5.4 | | 213 | 8.0 | 4.3 | 6.8 | 6662 |
| 475 | | 267 | 1.4 | 1.3 | .1 | | 253 | 3.0 | 2.8 | .9 | | 209 | 5.7 | 2.8 | 4.9 | | 210 | 6.3 | 3.2 | 5.5 | 6244 |
| 500 | | 266 | 2.7 | 2.7 | .2 | | 242 | 2.7 | 2.4 | 1.3 | | 202 | 4.7 | 1.7 | 4.3 | | 206 | 5.8 | 2.6 | 5.2 | 5844 |
| 525 | | 301 | 1.6 | 1.4 | -.8 | | 290 | 1.5 | 1.5 | -.5 | | 214 | 4.4 | 2.5 | 3.6 | | 206 | 4.4 | 1.9 | 3.9 | 5460 |
| 550 | | 111 | 3.4 | -3.2 | 1.2 | | 125 | 2.6 | -2.1 | 1.5 | | 138 | 2.3 | -1.6 | 1.8 | | 128 | 4.4 | -3.4 | 2.7 | 5091 |
| 575 | | 155 | 4.4 | -1.8 | 4.0 | | 177 | 5.0 | -.2 | 5.0 | | 171 | 3.2 | -.5 | 3.2 | | 151 | 4.6 | -2.2 | 4.0 | 4736 |
| 600 | | 164 | 4.1 | -1.1 | 4.0 | | 176 | 4.4 | -.3 | 4.4 | | 189 | 3.4 | .5 | 3.3 | | 194 | 4.4 | 1.1 | 4.2 | 4393 |
| 625 | | 120 | 4.6 | -3.9 | 2.3 | | 117 | 4.7 | -4.2 | 2.1 | | 107 | 2.7 | -2.6 | .8 | | 141 | 2.4 | -1.5 | 1.9 | 4062 |
| 650 | | 114 | 5.7 | -5.2 | 2.4 | | 120 | 6.4 | -5.5 | 3.3 | | 96 | 4.6 | -4.5 | .5 | | 96 | 4.9 | -4.8 | .5 | 3742 |
| 675 | | 126 | 6.7 | -5.4 | 4.0 | | 126 | 7.5 | -6.1 | 4.4 | | 104 | 5.7 | -5.5 | 1.4 | | 106 | 7.0 | -6.7 | 2.0 | 3431 |
| 700 | | 111 | 7.8 | -7.3 | 2.8 | | 112 | 8.1 | -7.5 | 3.1 | | 100 | 7.1 | -7.0 | 1.3 | | 101 | 7.9 | -7.7 | 1.5 | 3130 |
| 725 | | 89 | 8.8 | -8.8 | -.1 | | 93 | 9.0 | -9.0 | .5 | | 87 | 8.2 | -8.2 | -.4 | | 90 | 8.3 | -8.3 | .0 | 2837 |
| 750 | | 87 | 9.7 | -9.6 | -.5 | | 86 | 8.8 | -8.8 | -.6 | | 78 | 9.1 | -8.9 | -2.0 | | 80 | 10.3 | -10.2 | -1.7 | 2553 |
| 775 | | 93 | 10.8 | -10.8 | .5 | | 93 | 8.7 | -8.7 | .4 | | 88 | 9.4 | -9.4 | -.4 | | 80 | 9.1 | -8.9 | -1.6 | 2276 |
| 800 | | 90 | 11.4 | -11.4 | .0 | | 90 | 10.4 | -10.4 | .1 | | 90 | 10.3 | -10.3 | -.0 | | 82 | 9.1 | -9.1 | -1.2 | 2007 |
| 825 | 3 | 86 | 11.2 | -11.2 | -.9 | | 86 | 11.5 | -11.5 | -.9 | | 83 | 11.4 | -11.3 | -1.4 | | 77 | 10.3 | -10.0 | -2.3 | 1745 |
| 850 | | 87 | 11.2 | -11.2 | -.6 | | 85 | 11.7 | -11.6 | -1.0 | | 80 | 11.9 | -11.7 | -2.1 | | 75 | 10.3 | -9.9 | -2.7 | 1490 |
| 875 | | 88 | 11.5 | -11.4 | -.5 | | 81 | 10.7 | -10.6 | -1.6 | | 72 | 11.1 | -10.6 | -3.4 | | 70 | 10.2 | -9.6 | -3.5 | 1242 |
| 900 | | 85 | 11.2 | -11.2 | -.9 | | 69 | 9.0 | -8.3 | -3.2 | | 61 | 10.3 | -8.9 | -5.0 | | 61 | 10.3 | -9.0 | -5.0 | 999 |
| 925 | | 83 | 9.9 | -9.9 | -1.3 | | 62 | 7.8 | -6.9 | -3.7 | | 60 | 9.2 | -8.0 | -4.6 | | 57 | 10.1 | -8.5 | -5.5 | 762 |
| 950 | | 83 | 7.8 | -7.8 | -1.0 | | 72 | 7.5 | -7.2 | -2.3 | | 69 | 7.4 | -6.9 | -2.6 | | 59 | 8.7 | -7.4 | -4.5 | 529 |
| 975 | | 93 | 6.1 | -6.1 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 84 | 6.0 | -6.0 | -.6 | | 64 | 6.0 | -5.4 | -2.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/20 2350 GMT | | | | 3/21 3 0 GMT | | | | 3/21 630 GMT | | | | 3/21 910 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 273 | 10.4 | 10.4 | -.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 306 | 13.2 | 10.7 | -7.7 | 292 | 12.0 | 11.1 | -4.6 | 283 | 13.9 | 13.5 | -3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 279 | 17.6 | 17.4 | -2.8 | 266 | 22.2 | 22.1 | 1.6 | 271 | 22.0 | 22.0 | -.3 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 268 | 23.8 | 23.8 | 1.0 | 272 | 24.7 | 24.6 | -1.0 | 267 | 21.3 | 21.3 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 270 | 26.7 | 26.7 | -.0 | 280 | 20.7 | 20.3 | -3.7 | | | | | 0 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 302 | 18.5 | 15.7 | -9.8 | 302 | 24.3 | 20.7 | -12.7 | | | | | 0 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 300 | 24.4 | 21.0 | -12.4 | 301 | 24.9 | 21.3 | -12.9 | 283 | 33.4 | 32.6 | -7.3 | 0 0 | 0.0 | 0.0 | 0.0 | 15479 |
| 130 | 294 | 26.3 | 24.0 | -10.8 | 291 | 30.8 | 28.7 | -11.2 | 265 | 27.8 | 27.7 | 2.6 | 0 0 | 0.0 | 0.0 | 0.0 | 15014 |
| 140 | 281 | 30.8 | 30.2 | -5.7 | 284 | 30.4 | 29.4 | -7.5 | 264 | 29.1 | 29.0 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 14578 |
| 150 | 262 | 34.0 | 33.6 | 4.9 | 269 | 33.3 | 33.3 | .5 | 259 | 29.5 | 29.0 | 5.6 | 0 0 | 0.0 | 0.0 | 0.0 | 14167 |
| 160 | 257 | 31.4 | 30.7 | 6.9 | 262 | 34.0 | 33.7 | 4.5 | 261 | 32.0 | 31.6 | 5.0 | 0 0 | 0.0 | 0.0 | 0.0 | 13776 |
| 170 | 260 | 25.9 | 25.5 | 4.5 | 265 | 32.4 | 32.3 | 2.6 | 263 | 32.2 | 31.9 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 13404 |
| 180 | 256 | 24.9 | 24.2 | 6.0 | 265 | 30.5 | 30.4 | 2.6 | 266 | 31.1 | 31.0 | 2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 13049 |
| 190 | 255 | 26.1 | 25.2 | 6.7 | 258 | 27.7 | 27.2 | 5.5 | 265 | 28.4 | 28.3 | 2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 12709 |
| 200 | 258 | 25.5 | 25.0 | 5.1 | 256 | 27.6 | 26.8 | 6.7 | 258 | 30.0 | 29.3 | 6.2 | 0 0 | 0.0 | 0.0 | 0.0 | 12383 |
| 225 | 256 | 26.0 | 25.2 | 6.4 | 267 | 24.7 | 24.7 | 1.4 | 253 | 31.3 | 30.0 | 8.9 | 0 0 | 0.0 | 0.0 | 0.0 | 11617 |
| 250 | 258 | 27.5 | 26.9 | 5.6 | 266 | 22.9 | 22.9 | 1.6 | 265 | 29.5 | 29.4 | 2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 10914 |
| 275 | 266 | 24.5 | 24.5 | 1.7 | 269 | 25.6 | 25.6 | .4 | 273 | 30.2 | 30.2 | -1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 10262 |
| 300 | 271 | 24.5 | 24.5 | -.4 | 264 | 27.7 | 27.6 | 3.0 | 276 | 27.0 | 26.8 | -2.9 | 0 0 | 0.0 | 0.0 | 0.0 | 9654 |
| 325 | 273 | 24.8 | 24.8 | -1.4 | 271 | 24.5 | 24.5 | -.5 | 276 | 24.7 | 24.5 | -2.8 | 0 0 | 0.0 | 0.0 | 0.0 | 9084 |
| 350 | 266 | 21.3 | 21.2 | 1.6 | 267 | 22.7 | 22.7 | 1.1 | 276 | 23.3 | 23.2 | -2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 8546 |
| 375 | 261 | 22.3 | 22.0 | 3.4 | 258 | 20.7 | 20.2 | 4.3 | 266 | 17.4 | 17.3 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 8039 |
| 400 | 258 | 21.3 | 20.8 | 4.4 | 258 | 19.1 | 18.7 | 4.1 | 258 | 18.4 | 18.0 | 4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 7557 |
| 425 | 244 | 15.7 | 14.1 | 7.0 | 247 | 15.7 | 14.4 | 6.2 | 254 | 14.6 | 14.0 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 7099 |
| 450 | 235 | 8.5 | 6.9 | 4.9 | 239 | 8.7 | 7.5 | 4.4 | 249 | 8.4 | 7.8 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 226 | 5.7 | 4.1 | 4.0 | 240 | 7.0 | 6.1 | 3.5 | 243 | 7.7 | 6.9 | 3.5 | 0 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 229 | 8.6 | 6.5 | 5.6 | 238 | 6.6 | 5.6 | 3.5 | 250 | 6.0 | 5.6 | 2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 230 | 7.6 | 5.8 | 4.9 | 244 | 6.0 | 5.4 | 2.7 | 256 | 4.8 | 4.7 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 167 | 1.9 | -.4 | 1.8 | 229 | 2.0 | 1.5 | 1.3 | 180 | 1.7 | -.0 | 1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 148 | 2.9 | -1.5 | 2.4 | 175 | 2.6 | -.2 | 2.6 | 193 | 2.9 | .6 | 2.8 | 0 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 208 | 3.3 | 1.5 | 2.9 | 223 | 3.3 | 2.2 | 2.4 | 221 | 2.5 | 1.7 | 1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 200 | 1.5 | .5 | 1.4 | 174 | .5 | -.1 | .5 | 105 | 1.1 | -1.0 | .3 | 0 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 98 | 4.3 | -4.3 | .6 | 95 | 4.8 | -4.8 | .4 | 91 | 4.8 | -4.8 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 96 | 7.2 | -7.2 | .7 | 94 | 7.6 | -7.6 | .5 | 90 | 8.2 | -8.2 | -.0 | 0 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 89 | 7.6 | -7.6 | -.1 | 88 | 7.4 | -7.4 | -.3 | 82 | 8.5 | -8.5 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 79 | 8.3 | -8.2 | -1.6 | 79 | 7.7 | -7.6 | -1.4 | 74 | 8.4 | -8.0 | -2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 75 | 8.3 | -8.0 | -2.1 | 79 | 8.4 | -8.2 | -1.6 | 75 | 10.2 | -9.9 | -2.6 | 0 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 83 | 7.9 | -7.8 | -1.0 | 92 | 8.1 | -8.1 | .3 | 77 | 11.3 | -11.0 | -2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 81 | 9.1 | -9.0 | -1.4 | 84 | 10.0 | -9.9 | -1.1 | 79 | 10.6 | -10.5 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 70 | 10.4 | -9.8 | -3.6 | 68 | 11.4 | -10.6 | -4.2 | 82 | 8.6 | -8.5 | -1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 63 | 10.8 | -9.6 | -4.9 | 59 | 11.3 | -9.7 | -5.9 | 71 | 7.4 | -7.0 | -2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 63 | 10.4 | -9.3 | -4.7 | 53 | 10.3 | -8.2 | -6.3 | 61 | 8.4 | -7.4 | -4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 63 | 10.1 | -9.0 | -4.5 | 50 | 9.1 | -7.0 | -5.9 | 61 | 9.7 | -8.5 | -4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | 62 | 9.7 | -8.5 | -4.6 | 51 | 8.0 | -6.2 | -5.1 | 62 | 10.3 | -9.2 | -4.8 | 0 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | 62 | 8.6 | -7.6 | -4.0 | 59 | 6.7 | -5.7 | -3.5 | 66 | 9.3 | -8.5 | -3.8 | 0 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | 66 | 6.4 | -5.9 | -2.6 | 71 | 5.0 | -4.7 | -1.6 | 78 | 7.3 | -7.1 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/21 1424 GMT | | | | 3/21 18 0 GMT | | | | 3/22 020 GMT | | | | 3/22 615 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 279 | 34.9 | 34.5 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 15.5 | 15.4 | -1.0 | | 267 | 18.7 | 18.7 | .9 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 14.7 | 14.7 | -.7 | | 261 | 19.3 | 19.1 | 2.9 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 16.6 | 16.6 | -1.3 | | 290 | 16.1 | 15.1 | -5.5 | 17121 |
| 100 | | 275 | 13.3 | 13.2 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 18.0 | 18.0 | -1.1 | | 301 | 19.0 | 16.2 | -9.9 | 16521 |
| 110 | | 293 | 18.7 | 17.2 | -7.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 289 | 18.0 | 17.0 | -5.8 | | 300 | 21.5 | 18.6 | -10.8 | 15978 |
| 120 | | 283 | 36.4 | 35.4 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 299 | 24.4 | 21.4 | -11.7 | | 304 | 25.9 | 21.3 | -14.6 | 15479 |
| 130 | | 270 | 24.0 | 24.0 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 293 | 27.0 | 24.8 | -10.6 | | 292 | 51.5 | 47.7 | -19.3 | 15014 |
| 140 | | 261 | 27.9 | 27.5 | 4.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 30.0 | 29.6 | -4.7 | | 291 | 44.1 | 41.1 | -15.8 | 14578 |
| 150 | | 258 | 26.9 | 26.3 | 5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 24.9 | 24.8 | -2.0 | | 288 | 17.1 | 16.2 | -5.4 | 14167 |
| 160 | | 264 | 30.3 | 30.2 | 3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 20.2 | 20.2 | 1.3 | | 263 | 20.1 | 19.9 | 2.4 | 13776 |
| 170 | | 265 | 30.9 | 30.8 | 2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 23.4 | 23.3 | 2.6 | | 263 | 27.3 | 27.1 | 3.5 | 13404 |
| 180 | | 267 | 38.5 | 38.4 | 1.8 | 2 | 256 | 38.9 | 37.8 | 9.3 | | 262 | 26.6 | 26.4 | 3.5 | | 266 | 26.8 | 26.7 | 2.1 | 13049 |
| 190 | | 266 | 34.0 | 33.9 | 2.5 | 3 | 257 | 38.7 | 37.7 | 8.7 | | 259 | 26.5 | 26.0 | 5.2 | | 272 | 22.7 | 22.7 | -.7 | 12709 |
| 200 | | 262 | 29.3 | 29.0 | 4.3 | | 259 | 32.9 | 32.2 | 6.4 | | 253 | 23.1 | 22.1 | 6.8 | | 274 | 24.0 | 23.9 | -1.8 | 12383 |
| 225 | | 260 | 30.8 | 30.3 | 5.3 | | 255 | 29.3 | 28.3 | 7.4 | | 243 | 24.7 | 22.1 | 11.1 | | 253 | 21.2 | 20.3 | 6.3 | 11617 |
| 250 | | 254 | 31.6 | 30.3 | 8.8 | | 250 | 28.2 | 26.4 | 9.9 | | 248 | 29.4 | 27.4 | 10.9 | | 244 | 25.8 | 23.3 | 11.2 | 10914 |
| 275 | | 255 | 29.3 | 28.3 | 7.6 | | 255 | 26.9 | 26.0 | 7.1 | | 260 | 26.3 | 25.9 | 4.6 | | 251 | 27.6 | 26.1 | 9.1 | 10262 |
| 300 | | 274 | 23.1 | 23.0 | -1.5 | | 272 | 23.1 | 23.1 | -.8 | | 261 | 27.2 | 26.8 | 4.4 | | 258 | 26.1 | 25.5 | 5.6 | 9654 |
| 325 | | | | | | | 280 | 18.7 | 18.4 | -3.2 | | 263 | 23.7 | 23.6 | 2.8 | | 267 | 24.0 | 23.9 | 1.4 | 9084 |
| 350 | | | | | | | 281 | 20.1 | 19.7 | -3.7 | | 267 | 20.3 | 20.2 | 1.2 | | 270 | 19.4 | 19.4 | -.2 | 8546 |
| 375 | | | | | | | 270 | 18.5 | 18.5 | .0 | | 274 | 17.0 | 16.9 | -1.1 | | 271 | 20.9 | 20.9 | -.4 | 8039 |
| 400 | | | | | | | | | | | 3 | 269 | 13.0 | 13.0 | .3 | | 269 | 18.1 | 18.1 | .3 | 7557 |
| 425 | | | | | | | | | | | | 271 | 11.9 | 11.9 | -.2 | | 263 | 15.4 | 15.2 | 2.0 | 7099 |
| 450 | | 244 | 7.7 | 6.9 | 3.3 | | | | | | | 268 | 13.6 | 13.6 | .4 | | 259 | 16.2 | 15.9 | 3.2 | 6662 |
| 475 | | 237 | 7.2 | 6.0 | 4.0 | | 242 | 8.0 | 7.1 | 3.7 | | 266 | 12.2 | 12.1 | .8 | | 267 | 12.2 | 12.2 | .6 | 6244 |
| 500 | | 241 | 4.7 | 4.1 | 2.3 | | 232 | 4.5 | 3.6 | 2.8 | | 259 | 8.7 | 8.6 | 1.7 | | 277 | 8.2 | 8.2 | -1.0 | 5844 |
| 525 | | 303 | 2.5 | 2.1 | -1.4 | | 262 | 3.8 | 3.8 | .6 | | 269 | 5.4 | 5.4 | .1 | | 312 | 7.4 | 5.5 | -4.9 | 5460 |
| 550 | | 300 | 2.9 | 2.5 | -1.5 | | 310 | 2.6 | 2.0 | -1.7 | | 296 | 5.0 | 4.5 | -2.2 | | 333 | 5.6 | 2.6 | -5.0 | 5091 |
| 575 | | 206 | .8 | .4 | .7 | | 55 | 1.9 | -1.5 | -1.1 | | 339 | 4.2 | 1.5 | -3.9 | | 16 | 4.5 | -1.2 | -4.4 | 4736 |
| 600 | | 262 | 1.4 | 1.4 | .2 | | 18 | .8 | -.3 | -.8 | | 359 | 5.7 | .1 | -5.7 | | 34 | 5.6 | -3.2 | -4.6 | 4393 |
| 625 | | 333 | 1.2 | .5 | -1.1 | | 332 | 1.5 | .7 | -1.3 | | 16 | 6.7 | -1.9 | -6.4 | | 42 | 5.3 | -3.6 | -4.0 | 4062 |
| 650 | | 28 | 2.0 | -.9 | -1.7 | | 332 | 1.3 | .6 | -1.2 | | 38 | 5.1 | -3.1 | -4.0 | | 43 | 4.9 | -3.4 | -3.6 | 3742 |
| 675 | | 50 | 3.9 | -2.9 | -2.5 | | 56 | 2.5 | -2.1 | -1.4 | | 63 | 4.7 | -4.2 | -2.2 | | 49 | 6.0 | -4.5 | -3.9 | 3431 |
| 700 | | 65 | 5.8 | -5.3 | -2.4 | | 62 | 5.3 | -4.7 | -2.5 | | 61 | 5.5 | -4.9 | -2.7 | | 66 | 7.0 | -6.3 | -2.9 | 3130 |
| 725 | | 75 | 7.1 | -6.8 | -1.8 | | 59 | 7.5 | -6.4 | -3.9 | 3 | 50 | 7.5 | -5.7 | -4.8 | | 81 | 6.9 | -6.8 | -1.1 | 2837 |
| 750 | | 73 | 6.3 | -6.0 | -1.9 | | 60 | 8.0 | -6.9 | -4.0 | | 45 | 7.0 | -5.0 | -4.9 | | 96 | 6.7 | -6.7 | .8 | 2553 |
| 775 | | 67 | 5.1 | -4.7 | -2.0 | | 61 | 6.9 | -6.1 | -3.4 | | 54 | 5.8 | -4.7 | -3.4 | | 109 | 7.3 | -6.9 | 2.4 | 2276 |
| 800 | | 72 | 5.5 | -5.3 | -1.7 | | 58 | 6.1 | -5.2 | -3.2 | | 61 | 4.6 | -4.0 | -2.3 | | 114 | 8.3 | -7.6 | 3.4 | 2007 |
| 825 | | 82 | 6.5 | -6.4 | -.9 | | 56 | 5.7 | -4.7 | -3.2 | | 58 | 3.9 | -3.3 | -2.1 | | 114 | 9.9 | -9.0 | 4.1 | 1745 |
| 850 | | 91 | 6.8 | -6.8 | .1 | | 58 | 5.2 | -4.4 | -2.8 | | 64 | 4.2 | -3.8 | -1.8 | | 114 | 11.0 | -10.1 | 4.4 | 1490 |
| 875 | | 94 | 6.5 | -6.5 | .4 | | 70 | 4.8 | -4.5 | -1.6 | | 89 | 3.5 | -3.5 | -.0 | | 114 | 9.6 | -8.8 | 3.9 | 1242 |
| 900 | | 96 | 6.1 | -6.0 | .6 | | 90 | 5.8 | -5.8 | .0 | | 130 | 2.8 | -2.2 | 1.8 | | 116 | 8.4 | -7.6 | 3.6 | 999 |
| 925 | | 101 | 5.9 | -5.8 | 1.1 | | 102 | 7.1 | -7.0 | 1.5 | | 130 | 3.3 | -2.6 | 2.2 | | 118 | 9.2 | -8.1 | 4.4 | 762 |
| 950 | | 107 | 5.8 | -5.6 | 1.7 | | 111 | 6.9 | -6.4 | 2.4 | | 118 | 5.1 | -4.5 | 2.4 | | 123 | 10.6 | -8.9 | 5.7 | 529 |
| 975 | | 115 | 6.5 | -5.8 | 2.7 | | 125 | 5.4 | -4.4 | 3.1 | | 122 | 5.7 | -4.8 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/22 1250 GMT | | | | 3/22 1515 GMT | | | | 3/22 18 0 GMT | | | | 3/22 2120 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 272 | 13.9 | 13.9 | -.6 | | 255 | 13.9 | 13.4 | 3.5 | | 240 | 12.6 | 10.9 | 6.2 | | 262 | 14.8 | 14.7 | 2.0 | 18589 |
| 80 | | 267 | 18.5 | 18.5 | 1.1 | | 258 | 14.4 | 14.1 | 2.9 | | 261 | 19.2 | 19.0 | 3.1 | | 254 | 20.7 | 19.9 | 5.5 | 17801 |
| 90 | | 272 | 20.4 | 20.4 | -.8 | | 256 | 22.1 | 21.5 | 5.4 | | 273 | 19.1 | 19.1 | -.9 | | 272 | 21.5 | 21.5 | -.6 | 17121 |
| 100 | | 307 | 14.8 | 11.8 | -8.9 | | 298 | 24.7 | 21.8 | -11.6 | | 305 | 23.6 | 19.2 | -13.6 | | 302 | 16.7 | 14.1 | -8.9 | 16521 |
| 110 | | 296 | 30.7 | 27.6 | -13.4 | | 306 | 25.5 | 20.6 | -15.1 | | 315 | 27.2 | 19.2 | -19.3 | | 308 | 19.7 | 15.5 | -12.2 | 15978 |
| 120 | | 305 | 36.9 | 30.4 | -21.0 | | 310 | 35.5 | 27.2 | -22.8 | | 309 | 37.3 | 28.8 | -23.7 | | 315 | 29.4 | 20.7 | -20.9 | 15479 |
| 130 | | 290 | 38.6 | 36.2 | -13.4 | | 299 | 34.6 | 30.1 | -17.0 | | 299 | 36.1 | 31.6 | -17.4 | | 302 | 32.8 | 27.7 | -17.6 | 15014 |
| 140 | | 288 | 32.2 | 30.6 | -10.0 | | 293 | 30.5 | 28.2 | -11.7 | | 292 | 29.8 | 27.7 | -11.0 | | 288 | 28.4 | 27.0 | -9.0 | 14578 |
| 150 | | 286 | 19.0 | 18.2 | -5.3 | | 292 | 22.6 | 20.9 | -8.5 | | 297 | 22.5 | 20.1 | -10.1 | | 284 | 25.8 | 25.0 | -6.4 | 14167 |
| 160 | | 274 | 18.9 | 18.8 | -1.3 | | 295 | 14.2 | 12.9 | -5.9 | | 303 | 20.2 | 17.0 | -11.0 | | 296 | 21.3 | 19.1 | -9.3 | 13776 |
| 170 | | 269 | 19.2 | 19.2 | .2 | | 273 | 17.0 | 17.0 | -.9 | | 292 | 21.2 | 19.6 | -8.1 | | 304 | 22.2 | 18.5 | -12.4 | 13404 |
| 180 | | 258 | 17.9 | 17.5 | 3.6 | | 278 | 15.2 | 15.0 | -2.1 | | 285 | 20.4 | 19.7 | -5.1 | | 300 | 26.0 | 22.6 | -12.8 | 13049 |
| 190 | | 257 | 17.7 | 17.3 | 4.1 | | 273 | 14.8 | 14.8 | -.7 | | 281 | 18.0 | 17.6 | -3.6 | | 293 | 26.0 | 23.8 | -10.2 | 12709 |
| 200 | | 257 | 20.4 | 19.9 | 4.7 | | 268 | 15.6 | 15.6 | .5 | | 279 | 16.9 | 16.7 | -2.6 | | 286 | 25.0 | 24.0 | -6.8 | 12383 |
| 225 | | 265 | 17.5 | 17.5 | 1.6 | | 270 | 16.4 | 16.4 | .1 | | 267 | 23.5 | 23.4 | 1.1 | | 272 | 26.3 | 26.3 | -.7 | 11617 |
| 250 | | 263 | 19.6 | 19.5 | 2.3 | | 273 | 23.2 | 23.2 | -1.0 | | 265 | 20.0 | 20.0 | 1.7 | | 265 | 26.2 | 26.1 | 2.5 | 10914 |
| 275 | | 266 | 21.0 | 21.0 | 1.4 | | 257 | 20.9 | 20.3 | 4.8 | | 262 | 17.0 | 16.8 | 2.4 | | 267 | 25.4 | 25.4 | 1.4 | 10262 |
| 300 | | 262 | 21.2 | 21.0 | 2.8 | | 260 | 21.8 | 21.5 | 3.7 | | 274 | 19.7 | 19.7 | -1.3 | | 267 | 18.4 | 18.4 | 1.0 | 9654 |
| 325 | | 272 | 18.7 | 18.7 | -.8 | | 271 | 18.4 | 18.4 | -.2 | | 282 | 14.0 | 13.7 | -3.0 | | 273 | 16.1 | 16.0 | -.7 | 9084 |
| 350 | | 283 | 15.6 | 15.2 | -3.6 | | 295 | 13.3 | 12.0 | -5.6 | | 301 | 14.8 | 12.7 | -7.5 | | 297 | 12.0 | 10.7 | -5.4 | 8546 |
| 375 | | 287 | 12.3 | 11.7 | -3.7 | | 295 | 18.7 | 17.0 | -7.8 | | 290 | 15.2 | 14.2 | -5.2 | | 295 | 13.4 | 12.1 | -5.6 | 8039 |
| 400 | | 271 | 15.5 | 15.5 | -.3 | | 292 | 14.6 | 13.5 | -5.5 | | 279 | 12.3 | 12.2 | -2.0 | | 275 | 14.1 | 14.0 | -1.3 | 7557 |
| 425 | | 285 | 15.7 | 15.2 | -4.0 | | 279 | 12.5 | 12.3 | -1.9 | | 275 | 10.1 | 10.1 | -.8 | | 268 | 13.2 | 13.2 | .5 | 7099 |
| 450 | | 281 | 19.2 | 18.8 | -3.7 | | 273 | 13.8 | 13.8 | -.7 | | 280 | 10.4 | 10.3 | -1.9 | | 261 | 15.5 | 15.3 | 2.4 | 6662 |
| 475 | | 283 | 17.0 | 16.6 | -3.9 | | 272 | 14.9 | 14.9 | -.5 | | 276 | 11.6 | 11.5 | -1.3 | | 266 | 14.0 | 13.9 | .9 | 6244 |
| 500 | | 290 | 13.2 | 12.4 | -4.5 | | 278 | 12.7 | 12.5 | -1.8 | | 284 | 8.0 | 7.7 | -1.9 | | 268 | 11.1 | 11.1 | .3 | 5844 |
| 525 | | 301 | 11.2 | 9.6 | -5.7 | | 288 | 12.3 | 11.6 | -3.9 | | 287 | 5.5 | 5.2 | -1.6 | | 281 | 8.5 | 8.3 | -1.6 | 5460 |
| 550 | | 296 | 7.7 | 6.9 | -3.3 | | 298 | 7.1 | 6.3 | -3.4 | | 288 | 4.1 | 3.9 | -1.2 | | 306 | 4.1 | 3.3 | -2.4 | 5091 |
| 575 | | 277 | 4.4 | 4.3 | -.5 | | 340 | 5.7 | 2.0 | -5.3 | | 322 | 2.7 | 1.7 | -2.1 | | 183 | .3 | .0 | .3 | 4736 |
| 600 | | 319 | 1.2 | .8 | -.9 | | 352 | 6.7 | 1.0 | -6.7 | | 37 | 4.0 | -2.4 | -3.2 | | 129 | 2.7 | -2.1 | 1.7 | 4393 |
| 625 | | 52 | 3.0 | -2.4 | -1.8 | | 353 | 5.3 | .6 | -5.2 | | 47 | 7.1 | -5.2 | -4.9 | | 102 | 3.5 | -3.4 | .7 | 4062 |
| 650 | | 80 | 4.4 | -4.3 | -.8 | | 41 | 3.4 | -2.2 | -2.6 | | 49 | 5.1 | -3.9 | -3.4 | | 97 | 2.9 | -2.8 | .3 | 3742 |
| 675 | | 94 | 5.6 | -5.6 | .4 | | 93 | 5.3 | -5.3 | .3 | | 70 | 2.9 | -2.8 | -1.0 | | 127 | 2.4 | -1.9 | 1.4 | 3431 |
| 700 | | 98 | 8.0 | -7.9 | 1.1 | | 112 | 7.1 | -6.6 | 2.6 | | 85 | 5.5 | -5.5 | -.5 | | 121 | 4.4 | -3.8 | 2.3 | 3130 |
| 725 | | 101 | 10.6 | -10.4 | 2.0 | | 111 | 9.3 | -8.7 | 3.4 | | 84 | 6.0 | -6.0 | -.6 | | 109 | 6.3 | -5.9 | 2.0 | 2837 |
| 750 | | 104 | 13.3 | -12.9 | 3.2 | | 100 | 10.4 | -10.2 | 1.7 | | 84 | 5.0 | -4.9 | -.5 | | 113 | 9.7 | -9.0 | 3.8 | 2553 |
| 775 | | 103 | 16.3 | -15.9 | 3.8 | | 89 | 10.4 | -10.4 | -.1 | | 100 | 7.1 | -7.0 | 1.2 | | 111 | 13.1 | -12.2 | 4.7 | 2276 |
| 800 | | 101 | 17.8 | -17.5 | 3.3 | | 92 | 10.8 | -10.8 | .3 | | 105 | 10.2 | -9.9 | 2.6 | | 104 | 14.2 | -13.8 | 3.4 | 2007 |
| 825 | | 98 | 17.6 | -17.4 | 2.4 | | 99 | 11.5 | -11.3 | 1.9 | | 102 | 11.1 | -10.8 | 2.3 | | 100 | 13.4 | -13.2 | 2.4 | 1745 |
| 850 | | 98 | 16.6 | -16.5 | 2.4 | | 106 | 12.3 | -11.8 | 3.4 | | 102 | 11.8 | -11.5 | 2.4 | | 102 | 12.4 | -12.2 | 2.5 | 1490 |
| 875 | | 103 | 15.6 | -15.2 | 3.4 | | 110 | 14.2 | -13.4 | 4.8 | | 102 | 13.6 | -13.3 | 2.8 | | 101 | 12.3 | -12.1 | 2.3 | 1242 |
| 900 | | 107 | 14.6 | -13.9 | 4.4 | | 110 | 15.7 | -14.8 | 5.3 | | 103 | 15.2 | -14.8 | 3.5 | | 97 | 12.7 | -12.6 | 1.6 | 999 |
| 925 | | 113 | 12.9 | -11.9 | 5.1 | | 111 | 15.1 | -14.1 | 5.3 | | 110 | 14.5 | -13.7 | 5.0 | | 93 | 12.2 | -12.2 | .6 | 762 |
| 950 | | 124 | 11.0 | -9.1 | 6.1 | | 117 | 11.9 | -10.6 | 5.3 | | 120 | 11.7 | -10.1 | 5.8 | | 90 | 10.3 | -10.3 | .0 | 529 |
| 975 | | 134 | 10.1 | -7.2 | 7.1 | | 130 | 8.6 | -6.6 | 5.5 | | 127 | 8.8 | -7.0 | 5.3 | | 93 | 8.4 | -8.4 | .4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/23 030 GMT | | | | 3/23 3 0 GMT | | | | 3/23 6 0 GMT | | | | 3/23 9 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 15.9 | 15.9 | -.1 | | 271 | 14.4 | 14.4 | -.3 | | 268 | 14.3 | 14.3 | .5 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 244 | 11.7 | 10.6 | 5.1 | | 249 | 15.7 | 14.7 | 5.7 | | 232 | 16.1 | 12.7 | 9.9 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 19.7 | 18.3 | 7.3 | | 248 | 21.2 | 19.7 | 7.8 | | 247 | 21.9 | 20.2 | 8.6 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 9.9 | 9.0 | -4.0 | | 267 | 7.6 | 7.5 | .4 | | 267 | 6.4 | 6.4 | .3 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 316 | 18.4 | 12.8 | -13.2 | | 317 | 12.7 | 8.7 | -9.2 | | 315 | 13.4 | 9.4 | -9.6 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 308 | 26.5 | 20.9 | -16.2 | | 306 | 28.3 | 22.8 | -16.8 | | 301 | 31.3 | 26.9 | -16.1 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 32.3 | 29.0 | -14.3 | | 299 | 32.2 | 28.3 | -15.5 | | 287 | 35.8 | 34.2 | -10.6 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 34.4 | 33.2 | -9.3 | | 287 | 32.0 | 30.6 | -9.4 | | 279 | 29.2 | 28.8 | -4.6 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 31.2 | 30.7 | -5.6 | | 278 | 30.6 | 30.2 | -4.5 | | 269 | 28.9 | 28.9 | .6 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 25.6 | 25.6 | -1.5 | | 272 | 26.4 | 26.3 | -.9 | | 268 | 24.1 | 24.1 | .9 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 277 | 22.4 | 22.2 | -2.7 | | 275 | 21.2 | 21.2 | -1.9 | | 261 | 17.2 | 16.9 | 2.8 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 23.0 | 21.6 | -7.9 | | 287 | 20.5 | 19.6 | -5.8 | | 264 | 18.7 | 18.6 | 1.8 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 26.0 | 24.1 | -9.9 | | 296 | 25.6 | 22.9 | -11.4 | | 283 | 19.9 | 19.4 | -4.4 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 28.9 | 28.0 | -7.0 | | 296 | 26.5 | 23.8 | -11.5 | | 291 | 21.2 | 19.9 | -7.4 | 12383 |
| 225 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 30.9 | 30.8 | 2.4 | | 268 | 24.6 | 24.5 | 1.0 | | 277 | 25.0 | 24.8 | -3.1 | 11617 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 32.1 | 31.9 | 4.0 | | 263 | 30.2 | 30.0 | 3.5 | | 264 | 26.1 | 26.0 | 2.8 | 10914 |
| 275 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 28.7 | 28.4 | 4.2 | | 262 | 26.4 | 26.2 | 3.6 | | 260 | 29.4 | 28.9 | 5.3 | 10262 |
| 300 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 23.7 | 23.7 | 1.8 | | 271 | 21.9 | 21.9 | -.2 | | 263 | 26.1 | 25.9 | 3.1 | 9654 |
| 325 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 271 | 16.5 | 16.5 | -.2 | | 281 | 16.3 | 16.0 | -3.0 | | 269 | 20.3 | 20.3 | .2 | 9084 |
| 350 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 13.1 | 12.1 | -5.0 | | 303 | 14.0 | 11.7 | -7.6 | | 279 | 14.2 | 14.0 | -2.3 | 8546 |
| 375 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 304 | 14.7 | 12.1 | -8.3 | | 302 | 16.9 | 14.3 | -8.9 | | 281 | 14.9 | 14.6 | -2.8 | 8039 |
| 400 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 305 | 11.7 | 9.6 | -6.6 | | 289 | 13.1 | 12.4 | -4.3 | | 288 | 15.4 | 14.6 | -4.8 | 7557 |
| 425 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 10.3 | 9.8 | -3.1 | | 280 | 9.0 | 8.9 | -1.5 | | 278 | 13.0 | 12.9 | -1.8 | 7099 |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 13.7 | 13.7 | -.4 | | 260 | 12.1 | 11.9 | 2.1 | | 278 | 10.4 | 10.3 | -1.4 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 14.2 | 14.2 | -.6 | | 260 | 13.8 | 13.6 | 2.4 | | 273 | 12.3 | 12.2 | -.6 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 279 | 11.8 | 11.7 | -1.9 | | 267 | 14.3 | 14.2 | .8 | | 273 | 12.2 | 12.1 | -.7 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 7.0 | 6.7 | -2.1 | | 264 | 7.1 | 7.0 | .7 | | 277 | 7.8 | 7.7 | -.9 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 320 | 2.2 | 1.4 | -1.7 | | 295 | 2.0 | 1.8 | -.9 | | 285 | 5.1 | 4.9 | -1.3 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 125 | 1.5 | -1.2 | .9 | | 110 | 3.6 | -3.4 | 1.2 | | 54 | 2.1 | -1.7 | -1.3 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 51 | 2.0 | -1.6 | -1.2 | | 75 | 4.2 | -4.0 | -1.0 | | 43 | 4.0 | -2.7 | -2.9 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 347 | 2.4 | .5 | -2.4 | | 49 | 5.7 | -4.3 | -3.7 | | 56 | 3.7 | -3.0 | -2.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 49 | .8 | -.6 | -.5 | | 42 | 4.3 | -2.9 | -3.2 | | 92 | 4.9 | -4.9 | .2 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 4.0 | -4.0 | .1 | | 39 | 3.0 | -1.9 | -2.4 | | 101 | 6.8 | -6.7 | 1.3 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 7.0 | -7.0 | .2 | | 78 | 5.1 | -5.0 | -1.0 | | 96 | 8.7 | -8.6 | .9 | 3130 |
| 725 | | 109 | 5.9 | -5.6 | 2.0 | | 104 | 8.8 | -8.6 | 2.1 | | 94 | 8.2 | -8.2 | .5 | | 89 | 9.2 | -9.2 | -.2 | 2837 |
| 750 | | 112 | 6.8 | -6.3 | 2.5 | | 116 | 8.4 | -7.6 | 3.7 | | 101 | 7.9 | -7.7 | 1.5 | | 82 | 10.1 | -10.0 | -1.3 | 2553 |
| 775 | | 115 | 8.5 | -7.8 | 3.6 | | 115 | 9.1 | -8.2 | 3.9 | | 103 | 8.6 | -8.3 | 1.9 | | 79 | 11.8 | -11.6 | -2.2 | 2276 |
| 800 | | 107 | 11.0 | -10.6 | 3.2 | | 104 | 12.0 | -11.7 | 2.9 | | 94 | 12.7 | -12.7 | .8 | | 79 | 13.0 | -12.8 | -2.5 | 2007 |
| 825 | | 100 | 12.8 | -12.6 | 2.3 | | 101 | 15.2 | -14.9 | 2.8 | | 95 | 16.1 | -16.0 | 1.3 | | 86 | 14.5 | -14.5 | -1.0 | 1745 |
| 850 | | 100 | 14.0 | -13.8 | 2.4 | | 101 | 17.3 | -17.0 | 3.3 | | 98 | 16.1 | -15.9 | 2.3 | | 95 | 16.6 | -16.6 | 1.4 | 1490 |
| 875 | | 101 | 14.9 | -14.7 | 2.7 | | 99 | 17.4 | -17.2 | 2.6 | | 98 | 15.8 | -15.6 | 2.3 | | 98 | 17.6 | -17.4 | 2.6 | 1242 |
| 900 | | 97 | 15.1 | -15.0 | 1.8 | | 95 | 15.3 | -15.2 | 1.5 | | 96 | 16.2 | -16.1 | 1.6 | | 100 | 17.5 | -17.2 | 3.1 | 999 |
| 925 | | 91 | 13.5 | -13.5 | .2 | | 97 | 12.1 | -12.0 | 1.4 | | 95 | 15.9 | -15.9 | 1.4 | | 105 | 15.4 | -14.9 | 4.0 | 762 |
| 950 | | 92 | 10.6 | -10.6 | .3 | | 103 | 9.4 | -9.2 | 2.1 | | 99 | 13.4 | -13.2 | 2.0 | | 113 | 12.3 | -11.3 | 4.8 | 529 |
| 975 | | 103 | 8.2 | -7.9 | 1.8 | | 109 | 8.2 | -7.8 | 2.6 | | 107 | 9.4 | -9.0 | 2.8 | | 117 | 10.8 | -9.6 | 4.9 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/23 1145 GMT | | | | 3/23 15 0 GMT | | | | 3/23 1745 GMT | | | | 3/23 2039 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 258 | 14.1 | 13.8 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 268 | 17.3 | 17.3 | .6 | 264 | 16.4 | 16.3 | 1.8 | 274 | 18.0 | 17.9 | -1.3 | 267 | 17.5 | 17.5 | .8 | 18589 |
| 80 | 238 | 16.6 | 14.1 | 8.7 | 243 | 21.3 | 19.0 | 9.7 | 241 | 16.1 | 14.0 | 7.8 | 238 | 17.1 | 14.5 | 9.1 | 17801 |
| 90 | 249 | 22.4 | 21.0 | 8.0 | 245 | 16.5 | 15.0 | 6.9 | 250 | 16.3 | 15.3 | 5.7 | 246 | 17.9 | 16.3 | 7.4 | 17121 |
| 100 | 255 | 11.2 | 10.9 | 2.8 | 293 | 5.3 | 4.9 | -2.1 | 266 | 6.7 | 6.7 | .5 | 246 | 5.8 | 5.3 | 2.4 | 16521 |
| 110 | 308 | 13.1 | 10.3 | -8.1 | 315 | 16.3 | 11.6 | -11.4 | 308 | 17.1 | 13.4 | -10.6 | 335 | 7.0 | 2.9 | -6.3 | 15978 |
| 120 | 300 | 32.0 | 27.6 | -16.2 | 292 | 28.5 | 26.3 | -10.8 | 296 | 30.9 | 27.7 | -13.6 | 301 | 24.6 | 21.1 | -12.6 | 15479 |
| 130 | 287 | 36.2 | 34.5 | -10.8 | 276 | 32.6 | 32.4 | -3.2 | 279 | 34.0 | 33.6 | -5.4 | 275 | 33.7 | 33.6 | -3.1 | 15014 |
| 140 | 282 | 29.2 | 28.6 | -5.8 | 266 | 32.7 | 32.7 | 2.1 | 276 | 31.5 | 31.3 | -3.5 | 267 | 31.5 | 31.5 | 1.7 | 14578 |
| 150 | 275 | 31.2 | 31.1 | -2.6 | 264 | 31.0 | 30.8 | 3.1 | 277 | 29.2 | 29.0 | -3.5 | 270 | 27.9 | 27.9 | .1 | 14167 |
| 160 | 270 | 31.4 | 31.4 | -.2 | 260 | 26.6 | 26.2 | 4.7 | 269 | 26.1 | 26.1 | .6 | 264 | 25.4 | 25.2 | 2.8 | 13776 |
| 170 | 272 | 24.0 | 24.0 | -.7 | 255 | 22.4 | 21.6 | 5.8 | 253 | 22.9 | 22.0 | 6.6 | 257 | 25.3 | 24.6 | 5.9 | 13404 |
| 180 | 280 | 16.2 | 15.9 | -2.9 | 258 | 19.8 | 19.4 | 4.3 | 247 | 20.6 | 19.0 | 8.1 | 258 | 26.2 | 25.6 | 5.6 | 13049 |
| 190 | 275 | 13.0 | 12.9 | -1.1 | 251 | 19.2 | 18.1 | 6.4 | 252 | 19.1 | 18.2 | 5.9 | 259 | 26.5 | 26.0 | 5.0 | 12709 |
| 200 | 271 | 17.5 | 17.4 | -.3 | 246 | 21.5 | 19.6 | 8.8 | 252 | 18.0 | 17.1 | 5.5 | 258 | 25.2 | 24.6 | 5.3 | 12383 |
| 225 | 274 | 25.3 | 25.2 | -2.0 | 271 | 19.2 | 19.2 | -.3 | 250 | 22.8 | 21.5 | 7.7 | 264 | 21.9 | 21.7 | 2.1 | 11617 |
| 250 | 274 | 28.1 | 28.1 | -2.1 | 270 | 21.1 | 21.1 | -.1 | 255 | 21.3 | 20.6 | 5.4 | 268 | 22.6 | 22.6 | .7 | 10914 |
| 275 | 263 | 29.1 | 28.8 | 3.7 | 266 | 26.6 | 26.5 | 1.9 | 262 | 19.7 | 19.4 | 2.9 | 271 | 25.1 | 25.1 | -.4 | 10262 |
| 300 | 263 | 29.5 | 29.2 | 3.8 | 260 | 29.6 | 29.2 | 5.4 | 263 | 21.4 | 21.3 | 2.4 | 263 | 24.7 | 24.5 | 3.0 | 9654 |
| 325 | 266 | 23.8 | 23.7 | 1.7 | 262 | 25.2 | 24.9 | 3.5 | 258 | 22.8 | 22.3 | 4.5 | 257 | 25.1 | 24.5 | 5.6 | 9084 |
| 350 | 269 | 15.5 | 15.5 | .2 | 268 | 17.1 | 17.1 | .6 | 265 | 21.3 | 21.2 | 1.8 | 270 | 21.5 | 21.5 | -.1 | 8546 |
| 375 | 282 | 14.5 | 14.2 | -3.0 | 267 | 14.3 | 14.3 | .7 | 271 | 14.3 | 14.3 | -.2 | 275 | 16.2 | 16.1 | -1.3 | 8039 |
| 400 | 280 | 14.2 | 14.0 | -2.4 | 275 | 14.0 | 13.9 | -1.2 | 269 | 13.1 | 13.1 | .3 | 275 | 14.2 | 14.2 | -1.2 | 7557 |
| 425 | 279 | 11.0 | 10.9 | -1.7 | 282 | 12.4 | 12.2 | -2.6 | 274 | 12.1 | 12.1 | -.8 | 277 | 13.0 | 12.9 | -1.6 | 7099 |
| 450 | 274 | 12.7 | 12.7 | -1.0 | 275 | 11.1 | 11.1 | -1.0 | 283 | 11.6 | 11.3 | -2.6 | 289 | 11.9 | 11.3 | -3.8 | 6662 |
| 475 | 266 | 12.0 | 11.9 | .8 | 259 | 11.1 | 10.9 | 2.2 | 283 | 9.8 | 9.5 | -2.3 | 284 | 8.8 | 8.6 | -2.1 | 6244 |
| 500 | 267 | 11.0 | 11.0 | .6 | 265 | 10.9 | 10.9 | .9 | 264 | 10.3 | 10.2 | 1.1 | 273 | 8.7 | 8.6 | -.5 | 5844 |
| 525 | 272 | 7.5 | 7.5 | -.3 | 281 | 6.5 | 6.4 | -1.3 | 271 | 7.2 | 7.2 | -.2 | 276 | 6.7 | 6.7 | -.7 | 5460 |
| 550 | 273 | 3.4 | 3.4 | -.2 | 333 | 2.3 | 1.0 | -2.0 | 306 | 3.2 | 2.6 | -1.9 | 347 | 2.2 | .5 | -2.1 | 5091 |
| 575 | 117 | 1.6 | -1.4 | .7 | 37 | 3.2 | -1.9 | -2.5 | 19 | 2.5 | -.8 | -2.4 | 48 | 4.4 | -3.3 | -2.9 | 4736 |
| 600 | 84 | 3.7 | -3.7 | -.4 | 69 | 3.8 | -3.6 | -1.3 | 63 | 3.6 | -3.3 | -1.6 | 73 | 5.5 | -5.3 | -1.6 | 4393 |
| 625 | 59 | 3.2 | -2.8 | -1.7 | 73 | 4.8 | -4.6 | -1.4 | 58 | 3.9 | -3.3 | -2.0 | 74 | 5.5 | -5.3 | -1.5 | 4062 |
| 650 | 77 | 4.1 | -4.0 | -.9 | 74 | 6.2 | -5.9 | -1.7 | 76 | 5.9 | -5.8 | -1.4 | 75 | 6.4 | -6.2 | -1.6 | 3742 |
| 675 | 96 | 7.0 | -7.0 | .7 | 89 | 7.4 | -7.4 | -.2 | 88 | 8.5 | -8.5 | -.2 | 87 | 7.5 | -7.5 | -.4 | 3431 |
| 700 | 101 | 8.5 | -8.4 | 1.6 | 96 | 8.0 | -8.0 | .8 | 91 | 7.8 | -7.8 | .1 | 86 | 7.1 | -7.0 | -.5 | 3130 |
| 725 | 98 | 8.3 | -8.2 | 1.2 | 86 | 8.4 | -8.4 | -.6 | 104 | 5.9 | -5.7 | 1.4 | 74 | 6.5 | -6.3 | -1.8 | 2837 |
| 750 | 81 | 9.1 | -9.0 | -1.4 | 83 | 9.3 | -9.2 | -1.1 | 102 | 7.3 | -7.1 | 1.5 | 84 | 7.9 | -7.8 | -.8 | 2553 |
| 775 | 82 | 10.1 | -10.0 | -1.4 | 88 | 10.5 | -10.5 | -.3 | 94 | 10.8 | -10.8 | .7 | 97 | 11.3 | -11.2 | 1.3 | 2276 |
| 800 | 91 | 10.9 | -10.9 | .1 | 93 | 12.3 | -12.3 | .6 | 96 | 13.1 | -13.0 | 1.4 | 98 | 13.7 | -13.5 | 2.0 | 2007 |
| 825 | 94 | 12.6 | -12.6 | .8 | 98 | 14.3 | -14.2 | 1.9 | 98 | 14.8 | -14.7 | 2.1 | 98 | 14.9 | -14.8 | 2.0 | 1745 |
| 850 | 99 | 15.2 | -15.0 | 2.5 | 98 | 14.5 | -14.4 | 1.9 | 97 | 15.2 | -15.1 | 1.8 | 96 | 15.3 | -15.2 | 1.5 | 1490 |
| 875 | 99 | 16.1 | -15.9 | 2.7 | 87 | 12.8 | -12.8 | -.6 | 91 | 14.1 | -14.1 | .1 | 90 | 14.3 | -14.3 | -.0 | 1242 |
| 900 | 93 | 14.4 | -14.4 | .7 | 82 | 12.1 | -12.0 | -1.7 | 82 | 12.9 | -12.7 | -1.9 | 87 | 13.1 | -13.1 | -.7 | 999 |
| 925 | 90 | 13.0 | -13.0 | -.1 | 92 | 12.1 | -12.1 | .4 | 84 | 11.6 | -11.6 | -1.1 | 95 | 12.6 | -12.6 | 1.1 | 762 |
| 950 | 96 | 11.8 | -11.7 | 1.3 | 102 | 11.3 | -11.1 | 2.4 | 100 | 9.8 | -9.7 | 1.6 | 105 | 11.4 | -11.0 | 2.9 | 529 |
| 975 | 104 | 9.4 | -9.1 | 2.3 | 113 | 9.5 | -8.7 | 3.6 | 117 | 7.7 | -6.8 | 3.5 | 113 | 9.1 | -8.3 | 3.6 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/24 0 7 GMT | | | | 3/24 3 0 GMT | | | | 3/24 9 0 GMT | | | | 3/24 12 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 291 | 6.6 | 6.1 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 325 | 4.9 | 2.8 | -4.0 | 19517 |
| 70 | | 266 | 19.6 | 19.6 | 1.5 | | 265 | 15.4 | 15.3 | 1.3 | | 265 | 9.1 | 9.1 | .8 | | 268 | 18.6 | 18.5 | .7 | 18589 |
| 80 | | 228 | 12.9 | 9.7 | 8.6 | | 231 | 14.1 | 10.9 | 8.9 | | 274 | 6.9 | 6.9 | -.5 | | 246 | 17.0 | 15.5 | 6.9 | 17801 |
| 90 | | 240 | 15.9 | 13.8 | 7.9 | | 246 | 15.7 | 14.4 | 6.4 | | 261 | 18.3 | 18.0 | 2.8 | | 228 | 14.7 | 10.8 | 9.9 | 17121 |
| 100 | | 237 | 5.3 | 4.4 | 2.8 | | 234 | 2.5 | 2.0 | 1.5 | | 225 | 14.1 | 10.0 | 9.9 | | 247 | 10.6 | 9.8 | 4.1 | 16521 |
| 110 | | 321 | 7.6 | 4.7 | -5.9 | | 317 | 15.0 | 10.2 | -11.0 | | 219 | 10.9 | 6.9 | 8.4 | | 295 | 16.2 | 14.7 | -6.8 | 15978 |
| 120 | | 301 | 28.1 | 24.0 | -14.6 | | 303 | 27.2 | 22.8 | -14.9 | | 264 | 7.1 | 7.0 | .7 | | 292 | 23.0 | 21.4 | -8.6 | 15479 |
| 130 | | 285 | 27.5 | 26.6 | -7.0 | | 285 | 39.4 | 38.0 | -10.5 | | 309 | 12.8 | 10.0 | -8.0 | | 273 | 26.1 | 26.1 | -1.5 | 15014 |
| 140 | | 266 | 32.7 | 32.6 | 2.5 | | 272 | 25.9 | 25.9 | -1.0 | | 287 | 22.9 | 21.8 | -6.9 | | 266 | 29.5 | 29.4 | 2.2 | 14578 |
| 150 | | 266 | 31.4 | 31.3 | 2.4 | | 261 | 27.9 | 27.5 | 4.3 | | 266 | 19.4 | 19.4 | 1.2 | | 264 | 27.3 | 27.1 | 3.1 | 14167 |
| 160 | | 266 | 26.3 | 26.2 | 1.8 | | 260 | 26.8 | 26.4 | 4.5 | | 262 | 25.2 | 25.0 | 3.6 | | 262 | 24.5 | 24.2 | 3.5 | 13776 |
| 170 | | 258 | 27.8 | 27.2 | 5.7 | | 254 | 27.4 | 26.3 | 7.8 | | 262 | 27.1 | 26.8 | 3.8 | | 258 | 28.4 | 27.7 | 6.1 | 13404 |
| 180 | | 253 | 30.5 | 29.2 | 8.8 | | 256 | 29.5 | 28.6 | 7.3 | | 263 | 26.8 | 26.6 | 3.3 | | 256 | 30.0 | 29.1 | 7.1 | 13049 |
| 190 | | 257 | 30.9 | 30.1 | 7.1 | | 257 | 30.5 | 29.7 | 6.9 | | 262 | 25.7 | 25.5 | 3.4 | | 258 | 27.9 | 27.2 | 6.0 | 12709 |
| 200 | | 263 | 30.0 | 29.7 | 3.6 | | 258 | 29.9 | 29.2 | 6.4 | | 261 | 26.8 | 26.5 | 4.0 | | 259 | 26.4 | 25.9 | 5.0 | 12383 |
| 225 | | 260 | 25.4 | 25.0 | 4.5 | | 264 | 29.3 | 29.1 | 3.2 | | 255 | 28.1 | 27.2 | 7.1 | | 257 | 24.6 | 24.0 | 5.5 | 11617 |
| 250 | | 266 | 22.1 | 22.0 | 1.7 | | 256 | 25.0 | 24.3 | 6.1 | | 264 | 23.4 | 23.3 | 2.5 | | 264 | 24.8 | 24.6 | 2.7 | 10914 |
| 275 | | 272 | 26.8 | 26.8 | -.7 | | 264 | 23.4 | 23.3 | 2.3 | | 268 | 25.6 | 25.6 | 1.1 | | 271 | 22.9 | 22.9 | -.6 | 10262 |
| 300 | | 265 | 28.2 | 28.1 | 2.5 | | 265 | 28.4 | 28.3 | 2.2 | | 273 | 23.1 | 23.1 | -1.3 | | 268 | 20.5 | 20.5 | .9 | 9654 |
| 325 | | 260 | 26.9 | 26.5 | 4.5 | | 271 | 27.7 | 27.7 | -.4 | | 267 | 18.2 | 18.1 | .8 | | 262 | 19.9 | 19.8 | 2.6 | 9084 |
| 350 | | 277 | 22.6 | 22.4 | -2.8 | | 277 | 25.7 | 25.5 | -3.0 | | 272 | 22.1 | 22.1 | -.8 | | 266 | 19.1 | 19.1 | 1.3 | 8546 |
| 375 | | 273 | 19.0 | 18.9 | -1.1 | | 278 | 19.4 | 19.2 | -2.8 | | 276 | 23.1 | 23.0 | -2.5 | | 275 | 20.1 | 20.0 | -1.8 | 8039 |
| 400 | | 270 | 16.8 | 16.8 | .1 | | 264 | 17.9 | 17.8 | 1.9 | | 270 | 16.8 | 16.8 | -.1 | | 274 | 17.4 | 17.4 | -1.2 | 7557 |
| 425 | | 278 | 14.2 | 14.0 | -2.0 | | 273 | 12.5 | 12.5 | -.6 | | 260 | 16.0 | 15.8 | 2.7 | | 264 | 16.7 | 16.6 | 1.8 | 7099 |
| 450 | | 296 | 11.7 | 10.5 | -5.1 | | 295 | 11.3 | 10.2 | -4.7 | | 261 | 14.2 | 14.0 | 2.1 | | 261 | 13.8 | 13.7 | 2.1 | 6662 |
| 475 | | 297 | 9.6 | 8.5 | -4.4 | | 281 | 8.5 | 8.4 | -1.6 | | 275 | 10.4 | 10.3 | -.8 | | 269 | 12.1 | 12.1 | .1 | 6244 |
| 500 | | 284 | 8.0 | 7.8 | -1.9 | | 275 | 9.8 | 9.8 | -.8 | | 271 | 6.9 | 6.9 | -.1 | | 275 | 7.2 | 7.1 | -.7 | 5844 |
| 525 | | 292 | 5.9 | 5.5 | -2.2 | | 274 | 8.4 | 8.4 | -.6 | | 260 | 8.6 | 8.5 | 1.4 | | 268 | 6.9 | 6.9 | .2 | 5460 |
| 550 | | 330 | 3.1 | 1.5 | -2.7 | | 295 | 1.3 | 1.2 | -.5 | | 264 | 5.2 | 5.2 | .5 | | 291 | 3.5 | 3.3 | -1.3 | 5091 |
| 575 | | 44 | 4.0 | -2.8 | -2.9 | | 85 | 4.3 | -4.3 | -.4 | | 73 | 4.4 | -4.2 | -1.3 | | 51 | 5.3 | -4.1 | -3.3 | 4736 |
| 600 | | 72 | 5.8 | -5.5 | -1.8 | | 87 | 5.5 | -5.5 | -.3 | | 79 | 8.4 | -8.2 | -1.5 | | 79 | 6.2 | -6.1 | -1.2 | 4393 |
| 625 | | 76 | 5.0 | -4.8 | -1.2 | | 92 | 4.7 | -4.7 | .2 | | 86 | 5.7 | -5.7 | -.4 | | 82 | 4.9 | -4.8 | -.7 | 4062 |
| 650 | | 78 | 5.1 | -5.0 | -1.1 | | 107 | 4.8 | -4.6 | 1.4 | | 92 | 3.8 | -3.8 | .1 | | 75 | 5.3 | -5.1 | -1.4 | 3742 |
| 675 | | 88 | 5.4 | -5.4 | -.2 | | 99 | 6.0 | -6.0 | .9 | | 89 | 5.6 | -5.6 | -.1 | | 95 | 6.4 | -6.4 | .6 | 3431 |
| 700 | | 95 | 5.0 | -5.0 | .4 | | 105 | 8.9 | -8.6 | 2.4 | | 104 | 7.4 | -7.2 | 1.7 | | 107 | 8.9 | -8.5 | 2.6 | 3130 |
| 725 | | 109 | 7.9 | -7.5 | 2.6 | | 109 | 11.3 | -10.7 | 3.7 | | 107 | 10.1 | -9.6 | 3.0 | | 97 | 9.9 | -9.8 | 1.2 | 2837 |
| 750 | | 115 | 11.4 | -10.4 | 4.8 | | 100 | 12.6 | -12.4 | 2.2 | | 97 | 11.2 | -11.2 | 1.3 | | 87 | 10.6 | -10.6 | -.5 | 2553 |
| 775 | | 103 | 13.2 | -12.9 | 3.0 | | 91 | 12.5 | -12.5 | .3 | | 88 | 12.3 | -12.3 | -.4 | | 89 | 12.0 | -12.0 | -.2 | 2276 |
| 800 | | 90 | 14.4 | -14.4 | -.1 | | 88 | 14.3 | -14.3 | -.4 | | 89 | 14.4 | -14.4 | -.3 | | 93 | 14.0 | -14.0 | .7 | 2007 |
| 825 | | 91 | 14.1 | -14.1 | .2 | | 91 | 16.2 | -16.2 | .1 | | 93 | 16.2 | -16.1 | .8 | | 93 | 16.3 | -16.2 | .8 | 1745 |
| 850 | | 97 | 13.8 | -13.7 | 1.6 | | 90 | 15.9 | -15.9 | -.0 | | 96 | 17.4 | -17.3 | 1.7 | | 91 | 18.5 | -18.5 | .3 | 1490 |
| 875 | | 92 | 14.2 | -14.2 | .5 | | 88 | 15.5 | -15.5 | -.6 | | 93 | 18.4 | -18.4 | 1.0 | | 89 | 18.8 | -18.8 | -.2 | 1242 |
| 900 | | 86 | 15.2 | -15.2 | -1.1 | | 88 | 16.4 | -16.3 | -.7 | | 89 | 18.1 | -18.1 | -.3 | | 89 | 16.0 | -16.0 | -.4 | 999 |
| 925 | | 88 | 15.0 | -15.0 | -.6 | | 89 | 16.3 | -16.3 | -.1 | | 91 | 15.1 | -15.1 | .3 | | 91 | 12.9 | -12.9 | .3 | 762 |
| 950 | | 95 | 12.8 | -12.7 | 1.1 | | 96 | 13.7 | -13.6 | 1.4 | | 101 | 11.6 | -11.4 | 2.3 | | 97 | 10.5 | -10.4 | 1.3 | 529 |
| 975 | | 107 | 9.8 | -9.3 | 2.9 | | 103 | 10.6 | -10.3 | 2.4 | | 109 | 10.1 | -9.5 | 3.3 | | 109 | 8.1 | -7.7 | 2.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/24 1750 GMT | | | | 3/25 0 1 GMT | | | | 3/25 6 0 GMT | | | | 3/25 12 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 0 0 | 0.0 | 0.0 | 0.0 | 284 | 9.5 | 9.2 | -2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 271 | 14.6 | 14.6 | -.4 | 19517 |
| 70 | 261 | 22.9 | 22.6 | 3.8 | 254 | 12.5 | 12.0 | 3.4 | 265 | 11.2 | 11.1 | .9 | 266 | 6.9 | 6.9 | .5 | 18589 |
| 80 | 251 | 11.6 | 11.0 | 3.9 | 235 | 10.5 | 8.6 | 6.1 | 197 | 2.8 | .8 | 2.7 | 283 | 9.9 | 9.7 | -2.2 | 17801 |
| 90 | 223 | 8.9 | 6.1 | 6.4 | 244 | 8.0 | 7.2 | 3.6 | 246 | 15.3 | 14.0 | 6.2 | 270 | 13.0 | 13.0 | .1 | 17121 |
| 100 | 230 | 18.5 | 14.1 | 11.9 | 244 | 12.9 | 11.5 | 5.7 | 237 | 12.2 | 10.3 | 6.6 | 234 | 13.9 | 11.2 | 8.2 | 16521 |
| 110 | 271 | 13.2 | 13.1 | -.2 | 301 | 8.8 | 7.5 | -4.5 | 277 | 14.0 | 13.9 | -1.6 | 244 | 5.7 | 5.1 | 2.5 | 15978 |
| 120 | 290 | 26.7 | 25.1 | -9.1 | 271 | 19.2 | 19.2 | -.2 | 279 | 18.5 | 18.2 | -2.9 | 274 | 15.3 | 15.3 | -1.0 | 15479 |
| 130 | 271 | 28.9 | 28.9 | -.4 | 258 | 24.2 | 23.7 | 4.8 | 275 | 22.0 | 21.9 | -2.1 | 271 | 22.6 | 22.6 | -.4 | 15014 |
| 140 | 268 | 29.0 | 29.0 | 1.2 | 265 | 27.6 | 27.5 | 2.5 | 270 | 25.5 | 25.5 | .2 | 266 | 26.1 | 26.0 | 1.7 | 14578 |
| 150 | 269 | 25.2 | 25.2 | .6 | 264 | 27.3 | 27.2 | 2.9 | 269 | 26.4 | 26.4 | .7 | 278 | 27.3 | 27.0 | -3.9 | 14167 |
| 160 | 264 | 23.8 | 23.7 | 2.6 | 261 | 24.6 | 24.2 | 3.8 | 264 | 26.5 | 26.3 | 2.7 | 280 | 28.4 | 28.0 | -4.8 | 13776 |
| 170 | 256 | 24.2 | 23.5 | 5.8 | 259 | 20.8 | 20.4 | 4.0 | 264 | 23.0 | 22.9 | 2.4 | 277 | 24.2 | 24.0 | -2.8 | 13404 |
| 180 | 260 | 24.7 | 24.3 | 4.1 | 247 | 20.5 | 18.9 | 7.9 | 257 | 19.9 | 19.3 | 4.6 | 269 | 18.5 | 18.5 | .4 | 13049 |
| 190 | 265 | 25.6 | 25.5 | 2.4 | 241 | 23.3 | 20.5 | 11.2 | 238 | 19.5 | 16.6 | 10.2 | 256 | 15.8 | 15.3 | 3.9 | 12709 |
| 200 | 263 | 26.4 | 26.2 | 3.2 | 247 | 23.2 | 21.5 | 8.9 | 244 | 18.7 | 16.8 | 8.2 | 252 | 13.9 | 13.2 | 4.4 | 12383 |
| 225 | 264 | 24.6 | 24.5 | 2.8 | 267 | 20.0 | 19.9 | .9 | 258 | 18.8 | 18.4 | 4.0 | 264 | 15.9 | 15.8 | 1.8 | 11617 |
| 250 | 267 | 20.9 | 20.9 | 1.3 | 268 | 18.4 | 18.4 | .6 | 275 | 18.3 | 18.2 | -1.5 | 269 | 14.1 | 14.1 | .4 | 10914 |
| 275 | 260 | 19.2 | 19.0 | 3.3 | 274 | 17.1 | 17.0 | -1.3 | 279 | 17.2 | 17.0 | -2.8 | 273 | 15.6 | 15.5 | -.7 | 10262 |
| 300 | 270 | 19.1 | 19.1 | .1 | 268 | 16.6 | 16.6 | .5 | 280 | 16.7 | 16.5 | -2.9 | 274 | 19.3 | 19.3 | -1.2 | 9654 |
| 325 | 273 | 18.6 | 18.5 | -1.0 | 287 | 16.2 | 15.4 | -4.8 | 280 | 16.2 | 16.0 | -2.9 | 273 | 19.5 | 19.5 | -1.2 | 9084 |
| 350 | 269 | 18.7 | 18.7 | .3 | 276 | 15.0 | 14.9 | -1.6 | 269 | 16.2 | 16.2 | .2 | 267 | 20.2 | 20.1 | 1.0 | 8546 |
| 375 | 284 | 17.2 | 16.7 | -4.1 | 3 271 | 16.5 | 16.5 | -.3 | 274 | 16.6 | 16.6 | -1.3 | 264 | 17.4 | 17.3 | 1.7 | 8039 |
| 400 | 293 | 14.8 | 13.6 | -5.9 | 281 | 16.5 | 16.2 | -3.3 | 282 | 15.1 | 14.8 | -3.2 | 291 | 12.1 | 11.3 | -4.3 | 7557 |
| 425 | 271 | 14.4 | 14.4 | -.3 | 287 | 14.5 | 13.9 | -4.1 | 283 | 10.6 | 10.3 | -2.4 | 295 | 12.1 | 11.0 | -5.1 | 7099 |
| 450 | 268 | 13.3 | 13.3 | .5 | 276 | 16.1 | 16.0 | -1.6 | 278 | 11.4 | 11.3 | -1.6 | 301 | 10.6 | 9.1 | -5.4 | 6662 |
| 475 | 273 | 11.5 | 11.5 | -.5 | 276 | 14.4 | 14.3 | -1.4 | 278 | 10.3 | 10.2 | -1.5 | 289 | 11.4 | 10.8 | -3.7 | 6244 |
| 500 | 269 | 7.4 | 7.4 | .2 | 281 | 13.6 | 13.3 | -2.5 | 288 | 9.8 | 9.3 | -3.0 | 285 | 10.6 | 10.3 | -2.7 | 5844 |
| 525 | 268 | 5.9 | 5.9 | .3 | 285 | 12.2 | 11.8 | -3.2 | 290 | 10.1 | 9.5 | -3.5 | 290 | 8.7 | 8.1 | -3.0 | 5460 |
| 550 | 299 | 1.8 | 1.5 | -.8 | 291 | 6.9 | 6.4 | -2.5 | 285 | 5.3 | 5.1 | -1.4 | 308 | 3.9 | 3.1 | -2.4 | 5091 |
| 575 | 72 | 6.0 | -5.7 | -1.9 | 32 | 3.9 | -2.1 | -3.3 | 47 | 1.8 | -1.3 | -1.2 | 71 | 2.8 | -2.6 | -.9 | 4736 |
| 600 | 88 | 9.1 | -9.1 | -.4 | 64 | 7.5 | -6.7 | -3.2 | 81 | 7.8 | -7.7 | -1.3 | 92 | 6.0 | -5.9 | .2 | 4393 |
| 625 | 100 | 9.7 | -9.5 | 1.7 | 88 | 6.9 | -6.9 | -.3 | 96 | 7.8 | -7.7 | .7 | 107 | 5.8 | -5.6 | 1.7 | 4062 |
| 650 | 112 | 7.8 | -7.3 | 2.9 | 105 | 5.3 | -5.1 | 1.4 | 108 | 6.6 | -6.3 | 2.0 | 125 | 6.9 | -5.7 | 3.9 | 3742 |
| 675 | 108 | 5.6 | -5.3 | 1.7 | 119 | 7.5 | -6.6 | 3.7 | 117 | 8.5 | -7.6 | 3.9 | 126 | 8.1 | -6.6 | 4.8 | 3431 |
| 700 | 108 | 7.6 | -7.2 | 2.3 | 129 | 10.1 | -7.9 | 6.4 | 119 | 10.4 | -9.0 | 5.1 | 120 | 7.2 | -6.2 | 3.5 | 3130 |
| 725 | 111 | 9.6 | -8.9 | 3.5 | 123 | 8.7 | -7.3 | 4.7 | 113 | 9.2 | -8.4 | 3.6 | 107 | 6.4 | -6.1 | 1.9 | 2837 |
| 750 | 98 | 10.3 | -10.2 | 1.5 | 103 | 9.4 | -9.2 | 2.2 | 99 | 9.4 | -9.3 | 1.4 | 88 | 7.1 | -7.1 | -.3 | 2553 |
| 775 | 88 | 11.9 | -11.9 | -.4 | 96 | 11.9 | -11.9 | 1.3 | 87 | 10.3 | -10.3 | -.5 | 84 | 9.7 | -9.6 | -1.0 | 2276 |
| 800 | 90 | 14.8 | -14.8 | -.1 | 89 | 14.3 | -14.3 | -.3 | 81 | 11.4 | -11.2 | -1.8 | 91 | 11.9 | -11.9 | .3 | 2007 |
| 825 | 93 | 17.1 | -17.1 | .9 | 87 | 16.5 | -16.5 | -.8 | 83 | 12.6 | -12.5 | -1.4 | 95 | 11.9 | -11.9 | 1.1 | 1745 |
| 850 | 94 | 17.7 | -17.6 | 1.2 | 90 | 17.6 | -17.6 | .1 | 85 | 12.7 | -12.7 | -1.1 | 96 | 12.0 | -11.9 | 1.2 | 1490 |
| 875 | 88 | 16.7 | -16.7 | -.5 | 88 | 16.3 | -16.3 | -.5 | 77 | 12.5 | -12.2 | -2.7 | 92 | 13.3 | -13.3 | .4 | 1242 |
| 900 | 82 | 14.1 | -14.0 | -2.0 | 81 | 13.4 | -13.3 | -2.1 | 70 | 11.9 | -11.2 | -4.1 | 83 | 12.8 | -12.7 | -1.5 | 999 |
| 925 | 83 | 11.6 | -11.5 | -1.5 | 77 | 11.0 | -10.7 | -2.5 | 75 | 10.4 | -10.1 | -2.6 | 78 | 10.7 | -10.5 | -2.2 | 762 |
| 950 | 88 | 9.3 | -9.3 | -.3 | 82 | 9.1 | -9.0 | -1.3 | 89 | 9.3 | -9.3 | -.1 | 85 | 8.5 | -8.5 | -.7 | 529 |
| 975 | 95 | 6.9 | -6.9 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 99 | 8.4 | -8.4 | 1.3 | 98 | 6.7 | -6.7 | .9 | 302 |
| P | 1 DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/25 1736 GMT | | | | 3/25 2140 GMT | | | | 3/27 010 GMT | | | | 3/27 635 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 9.0 | 9.0 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 1.7 | 1.7 | .2 | | 295 | 6.5 | 5.9 | -2.7 | | 334 | 4.1 | 1.8 | -3.7 | 18589 |
| 80 | | 276 | 10.1 | 10.0 | -1.1 | | 241 | 11.1 | 9.7 | 5.3 | | 267 | 7.0 | 7.0 | .4 | | 274 | 4.7 | 4.6 | -.3 | 17801 |
| 90 | | 272 | 16.3 | 16.3 | -.6 | | 245 | 9.1 | 8.3 | 3.8 | | 263 | 6.8 | 6.8 | .8 | | 233 | 8.3 | 6.7 | 5.0 | 17121 |
| 100 | | 234 | 17.3 | 13.9 | 10.3 | | 240 | 16.8 | 14.6 | 8.3 | | 218 | 22.5 | 13.9 | 17.8 | | 221 | 22.4 | 14.6 | 17.0 | 16521 |
| 110 | | 249 | 11.3 | 10.6 | 4.0 | | 231 | 15.3 | 11.9 | 9.7 | | 227 | 23.9 | 17.6 | 16.2 | | 247 | 18.0 | 16.5 | 7.0 | 15978 |
| 120 | | 274 | 18.3 | 18.2 | -1.3 | | 269 | 13.8 | 13.8 | .2 | | 256 | 11.0 | 10.6 | 2.6 | | 284 | 13.9 | 13.4 | -3.3 | 15479 |
| 130 | | 282 | 23.8 | 23.3 | -5.1 | | 282 | 18.7 | 18.3 | -3.9 | | 286 | 14.2 | 13.7 | -3.9 | | 290 | 19.5 | 18.3 | -6.8 | 15014 |
| 140 | | 272 | 27.4 | 27.3 | -1.1 | | 273 | 23.8 | 23.8 | -1.4 | | 279 | 21.8 | 21.5 | -3.3 | | 271 | 23.6 | 23.6 | -.5 | 14578 |
| 150 | | 266 | 26.3 | 26.3 | 1.8 | | 275 | 26.2 | 26.1 | -2.2 | | 269 | 23.3 | 23.3 | .3 | | 270 | 24.3 | 24.3 | -.0 | 14167 |
| 160 | | 269 | 24.1 | 24.1 | .5 | | 275 | 27.5 | 27.4 | -2.4 | | 265 | 23.1 | 23.0 | 2.0 | | 269 | 23.8 | 23.8 | .4 | 13776 |
| 170 | | 268 | 15.7 | 15.7 | .5 | | 274 | 26.2 | 26.1 | -1.9 | | 268 | 27.0 | 27.0 | 1.0 | | 263 | 26.3 | 26.1 | 3.3 | 13404 |
| 180 | | 249 | 12.3 | 11.4 | 4.5 | | 281 | 20.8 | 20.4 | -4.1 | | 273 | 30.2 | 30.1 | -1.8 | | 269 | 29.4 | 29.3 | .8 | 13049 |
| 190 | | 237 | 15.2 | 12.7 | 8.3 | | 282 | 13.6 | 13.3 | -2.8 | | 275 | 30.3 | 30.1 | -2.7 | | 275 | 30.0 | 29.9 | -2.7 | 12709 |
| 200 | | 238 | 15.1 | 12.9 | 8.0 | | 252 | 9.9 | 9.4 | 3.1 | | 277 | 29.0 | 28.7 | -3.5 | | 280 | 31.4 | 30.8 | -5.7 | 12383 |
| 225 | | 247 | 15.3 | 14.1 | 6.1 | | 227 | 13.3 | 9.8 | 9.0 | | 298 | 19.2 | 17.0 | -8.9 | | 291 | 26.1 | 24.3 | -9.5 | 11617 |
| 250 | | 272 | 15.1 | 15.1 | -.5 | | 246 | 13.2 | 12.1 | 5.4 | | 340 | 12.3 | 4.3 | -11.6 | | 313 | 17.0 | 12.4 | -11.6 | 10914 |
| 275 | | 279 | 12.3 | 12.1 | -2.0 | | 272 | 12.7 | 12.7 | -.4 | | 26 | 14.6 | -6.4 | -13.1 | | 11 | 20.1 | -3.7 | -19.7 | 10262 |
| 300 | | 284 | 15.8 | 15.3 | -3.8 | | 289 | 9.5 | 9.0 | -3.1 | | 24 | 13.2 | -5.4 | -12.0 | | 14 | 17.9 | -4.2 | -17.4 | 9654 |
| 325 | | 291 | 16.2 | 15.1 | -5.7 | | 286 | 11.7 | 11.3 | -3.2 | | 20 | 14.2 | -4.9 | -13.4 | | 356 | 13.9 | .9 | -13.9 | 9084 |
| 350 | | 278 | 16.2 | 16.0 | -2.4 | | 283 | 11.5 | 11.2 | -2.7 | | 17 | 13.4 | -3.9 | -12.9 | | 357 | 14.0 | .6 | -14.0 | 8546 |
| 375 | | 269 | 14.8 | 14.8 | .3 | | 276 | 15.1 | 15.0 | -1.6 | | 337 | 9.9 | 3.8 | -9.1 | | 348 | 11.6 | 2.5 | -11.3 | 8039 |
| 400 | | 271 | 12.0 | 12.0 | -.1 | | 271 | 12.6 | 12.6 | -.2 | | 309 | 8.6 | 6.6 | -5.5 | | 333 | 9.7 | 4.5 | -8.7 | 7557 |
| 425 | | 283 | 10.0 | 9.7 | -2.3 | | 271 | 10.4 | 10.4 | -.2 | | 289 | 11.6 | 11.0 | -3.7 | | 306 | 8.7 | 7.0 | -5.2 | 7099 |
| 450 | | 299 | 9.6 | 8.4 | -4.7 | | 280 | 8.8 | 8.6 | -1.5 | | 297 | 10.5 | 9.4 | -4.8 | | 287 | 7.8 | 7.5 | -2.2 | 6662 |
| 475 | | 293 | 9.4 | 8.7 | -3.6 | | 296 | 7.4 | 6.6 | -3.3 | | 306 | 9.1 | 7.4 | -5.3 | | 293 | 5.5 | 5.1 | -2.2 | 6244 |
| 500 | | 271 | 10.2 | 10.2 | -.1 | | 288 | 8.2 | 7.8 | -2.5 | | 296 | 7.3 | 6.6 | -3.2 | | 336 | 5.1 | 2.1 | -4.7 | 5844 |
| 525 | | 269 | 13.5 | 13.5 | .2 | | 282 | 10.6 | 10.4 | -2.1 | | 313 | 5.4 | 3.9 | -3.7 | | 359 | 4.3 | .1 | -4.3 | 5460 |
| 550 | | 281 | 9.6 | 9.4 | -1.9 | | 289 | 10.4 | 9.8 | -3.5 | | 338 | 5.6 | 2.1 | -5.2 | | 17 | 5.6 | -1.6 | -5.4 | 5091 |
| 575 | | 344 | 2.3 | .6 | -2.2 | | 307 | 5.9 | 4.7 | -3.6 | | 12 | 6.2 | -1.3 | -6.0 | | 34 | 6.5 | -3.6 | -5.4 | 4736 |
| 600 | | 86 | 4.9 | -4.9 | -.4 | | 44 | 2.0 | -1.4 | -1.4 | | 50 | 5.3 | -4.1 | -3.4 | | 64 | 6.5 | -5.8 | -2.9 | 4393 |
| 625 | | 116 | 9.0 | -8.1 | 3.9 | | 115 | 6.1 | -5.5 | 2.5 | | 107 | 5.4 | -5.2 | 1.6 | | 88 | 4.5 | -4.5 | -.1 | 4062 |
| 650 | | 127 | 9.4 | -7.5 | 5.6 | | 121 | 8.6 | -7.4 | 4.5 | | 117 | 9.7 | -8.7 | 4.4 | | 125 | 6.0 | -4.9 | 3.5 | 3742 |
| 675 | | 115 | 9.1 | -8.3 | 3.9 | | 113 | 9.8 | -9.0 | 3.8 | | 100 | 11.4 | -11.2 | 2.0 | | 113 | 10.9 | -10.0 | 4.3 | 3431 |
| 700 | | 109 | 8.8 | -8.3 | 2.9 | | 112 | 10.0 | -9.3 | 3.7 | | 92 | 11.5 | -11.5 | .4 | | 94 | 13.5 | -13.5 | 1.0 | 3130 |
| 725 | | 104 | 6.4 | -6.2 | 1.6 | | 114 | 8.2 | -7.5 | 3.3 | | 87 | 11.1 | -11.1 | -.5 | | 88 | 14.7 | -14.7 | -.5 | 2837 |
| 750 | | 80 | 6.8 | -6.7 | -1.2 | | 95 | 6.4 | -6.4 | .5 | | 85 | 12.4 | -12.3 | -1.0 | | 89 | 14.3 | -14.3 | -.3 | 2553 |
| 775 | | 80 | 10.7 | -10.5 | -1.8 | | 82 | 8.8 | -8.7 | -1.2 | | 89 | 13.8 | -13.8 | -.3 | | 87 | 13.3 | -13.3 | -.8 | 2276 |
| 800 | | 89 | 14.1 | -14.1 | -.3 | | 88 | 12.3 | -12.3 | -.4 | | 88 | 13.2 | -13.2 | -.5 | | 86 | 13.3 | -13.3 | -1.0 | 2007 |
| 825 | | 95 | 15.9 | -15.9 | 1.4 | | 91 | 15.1 | -15.1 | .3 | | 83 | 12.6 | -12.5 | -1.6 | | 84 | 14.1 | -14.0 | -1.4 | 1745 |
| 850 | | 95 | 17.0 | -16.9 | 1.4 | | 89 | 15.5 | -15.5 | -.4 | | 79 | 13.7 | -13.4 | -2.5 | | 84 | 14.8 | -14.7 | -1.4 | 1490 |
| 875 | | 91 | 15.4 | -15.4 | .1 | | 80 | 12.3 | -12.1 | -2.1 | | 82 | 14.7 | -14.6 | -2.0 | | 89 | 15.5 | -15.5 | -.3 | 1242 |
| 900 | | 86 | 12.0 | -12.0 | -.8 | | 75 | 10.0 | -9.7 | -2.5 | | 89 | 15.1 | -15.1 | -.4 | | 93 | 16.1 | -16.1 | .7 | 999 |
| 925 | | 88 | 9.5 | -9.5 | -.3 | | 87 | 8.6 | -8.6 | -.4 | | 95 | 14.6 | -14.5 | 1.3 | | 94 | 15.4 | -15.4 | 1.1 | 762 |
| 950 | | 99 | 7.7 | -7.6 | 1.2 | | 108 | 7.1 | -6.7 | 2.1 | | 101 | 12.3 | -12.1 | 2.3 | | 95 | 12.6 | -12.5 | 1.2 | 529 |
| 975 | | 116 | 6.8 | -6.1 | 3.0 | | 120 | 6.2 | -5.3 | 3.1 | | 104 | 9.3 | -9.0 | 2.3 | | 101 | 8.5 | -8.3 | 1.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/27 1150 GMT | | | | 3/27 20 6 GMT | | | | 3/27 2350 GMT | | | | 3/28 545 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 297 | 7.1 | 6.3 | -3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 260 | 5.1 | 5.1 | .9 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 15 | 4.2 | -1.1 | -4.0 | 293 | 8.0 | 7.3 | -3.2 | 278 | 11.0 | 10.9 | -1.6 | 286 | 10.4 | 10.0 | -2.8 | 18589 |
| 80 | 281 | 5.1 | 5.0 | -1.0 | 273 | 7.4 | 7.4 | -.4 | 282 | 11.3 | 11.1 | -2.4 | 274 | 13.5 | 13.4 | -.9 | 17801 |
| 90 | 241 | 8.3 | 7.2 | 4.1 | 50 | .4 | -.3 | -.3 | 194 | 2.6 | .6 | 2.5 | 242 | 4.0 | 3.5 | 1.9 | 17121 |
| 100 | 233 | 23.7 | 19.0 | 14.3 | 246 | 17.3 | 15.7 | 7.1 | 251 | 19.4 | 18.3 | 6.2 | 233 | 19.0 | 15.2 | 11.4 | 16521 |
| 110 | 235 | 20.3 | 16.6 | 11.7 | 242 | 19.6 | 17.4 | 9.1 | 244 | 18.7 | 16.9 | 8.1 | 240 | 18.8 | 16.2 | 9.5 | 15978 |
| 120 | 259 | 14.9 | 14.7 | 2.8 | 241 | 15.2 | 13.3 | 7.4 | 250 | 12.7 | 12.0 | 4.4 | 272 | 13.6 | 13.6 | -.5 | 15479 |
| 130 | 279 | 18.2 | 18.0 | -3.0 | 287 | 14.0 | 13.4 | -4.0 | 288 | 11.2 | 10.7 | -3.4 | 287 | 14.1 | 13.5 | -4.1 | 15014 |
| 140 | 267 | 20.8 | 20.8 | 1.0 | 295 | 18.1 | 16.4 | -7.7 | 290 | 17.2 | 16.2 | -5.9 | 297 | 17.3 | 15.4 | -7.9 | 14578 |
| 150 | 272 | 22.8 | 22.8 | -.9 | 288 | 19.2 | 18.3 | -6.0 | 286 | 21.1 | 20.3 | -5.7 | 304 | 23.1 | 19.1 | -13.0 | 14167 |
| 160 | 277 | 25.6 | 25.4 | -3.2 | 285 | 20.1 | 19.4 | -5.3 | 293 | 22.2 | 20.5 | -8.5 | 299 | 23.5 | 20.6 | -11.5 | 13776 |
| 170 | 287 | 29.9 | 28.6 | -8.8 | 283 | 21.0 | 20.5 | -4.9 | 295 | 21.5 | 19.4 | -9.1 | 297 | 25.6 | 22.8 | -11.6 | 13404 |
| 180 | 292 | 33.9 | 31.4 | -12.8 | 290 | 21.2 | 20.0 | -7.1 | 297 | 21.7 | 19.4 | -9.9 | 298 | 28.1 | 24.9 | -13.0 | 13049 |
| 190 | 293 | 35.4 | 32.6 | -13.7 | 299 | 25.3 | 22.1 | -12.4 | 302 | 33.3 | 28.2 | -17.7 | 298 | 32.3 | 28.6 | -15.0 | 12709 |
| 200 | 290 | 33.2 | 31.2 | -11.5 | 303 | 32.8 | 27.5 | -17.8 | 304 | 39.2 | 32.6 | -21.8 | 299 | 35.0 | 30.6 | -17.1 | 12383 |
| 225 | 294 | 26.9 | 24.5 | -11.0 | 303 | 36.7 | 30.9 | -19.7 | 301 | 35.0 | 30.1 | -17.9 | 304 | 34.7 | 28.9 | -19.2 | 11617 |
| 250 | 308 | 19.7 | 15.4 | -12.2 | 303 | 28.3 | 23.7 | -15.5 | 308 | 30.4 | 23.9 | -18.9 | 310 | 33.1 | 25.5 | -21.1 | 10914 |
| 275 | 7 | 14.6 | -1.8 | -14.4 | 307 | 22.0 | 17.5 | -13.4 | 307 | 25.9 | 20.6 | -15.7 | 311 | 28.8 | 21.8 | -18.8 | 10262 |
| 300 | 359 | 11.2 | .2 | -11.2 | 330 | 14.9 | 7.4 | -12.9 | 317 | 17.4 | 11.9 | -12.7 | 318 | 21.5 | 14.4 | -16.0 | 9654 |
| 325 | 4 | 10.9 | -.8 | -10.9 | 349 | 10.0 | 1.9 | -9.8 | 352 | 11.2 | 1.5 | -11.1 | 353 | 14.9 | 1.9 | -14.8 | 9084 |
| 350 | 32 | 13.3 | -7.0 | -11.3 | 23 | 10.7 | -4.2 | -9.8 | 36 | 10.8 | -6.3 | -8.8 | 17 | 10.0 | -2.9 | -9.6 | 8546 |
| 375 | 26 | 12.0 | -5.4 | -10.8 | 52 | 10.2 | -8.0 | -6.2 | 64 | 11.3 | -10.2 | -5.0 | 51 | 8.3 | -6.4 | -5.2 | 8039 |
| 400 | 353 | 7.5 | .9 | -7.5 | 39 | 9.6 | -6.1 | -7.5 | 43 | 10.0 | -6.8 | -7.3 | 50 | 9.1 | -6.9 | -5.9 | 7557 |
| 425 | 330 | 6.6 | 3.2 | -5.7 | 9 | 6.2 | -1.0 | -6.1 | 24 | 9.0 | -3.7 | -8.2 | 46 | 10.1 | -7.3 | -7.0 | 7099 |
| 450 | 333 | 4.9 | 2.2 | -4.4 | 346 | 5.7 | 1.4 | -5.5 | 5 | 7.4 | -.6 | -7.4 | 17 | 8.3 | -2.4 | -7.9 | 6662 |
| 475 | 350 | 4.6 | .8 | -4.5 | 9 | 8.2 | -1.2 | -8.1 | 0 | 9.6 | -.0 | -9.6 | 348 | 9.0 | 1.8 | -8.8 | 6244 |
| 500 | 11 | 8.4 | -1.6 | -8.2 | 19 | 10.5 | -3.4 | -9.9 | 18 | 9.9 | -3.0 | -9.5 | 5 | 9.5 | -.9 | -9.4 | 5844 |
| 525 | 11 | 8.8 | -1.7 | -8.6 | 26 | 10.8 | -4.7 | -9.7 | 21 | 10.6 | -3.7 | -10.0 | 14 | 10.6 | -2.5 | -10.3 | 5460 |
| 550 | 22 | 8.3 | -3.1 | -7.7 | 21 | 11.0 | -4.0 | -10.3 | 34 | 13.3 | -7.4 | -11.1 | 26 | 11.0 | -4.9 | -9.9 | 5091 |
| 575 | 29 | 7.4 | -3.6 | -6.5 | 40 | 11.7 | -7.5 | -9.0 | 43 | 11.1 | -7.6 | -8.1 | 38 | 12.2 | -7.4 | -9.7 | 4736 |
| 600 | 38 | 7.3 | -4.5 | -5.7 | 61 | 9.5 | -8.3 | -4.6 | 69 | 7.3 | -6.8 | -2.5 | 55 | 8.5 | -7.0 | -4.9 | 4393 |
| 625 | 60 | 5.6 | -4.9 | -2.8 | 71 | 5.4 | -5.1 | -1.7 | 101 | 9.4 | -9.2 | 1.8 | 89 | 6.8 | -6.8 | -.1 | 4062 |
| 650 | 107 | 6.6 | -6.3 | 1.9 | 106 | 7.8 | -7.4 | 2.2 | 100 | 11.0 | -10.9 | 1.9 | 109 | 8.8 | -8.3 | 2.8 | 3742 |
| 675 | 97 | 10.8 | -10.7 | 1.4 | 99 | 10.7 | -10.6 | 1.7 | 83 | 10.6 | -10.5 | -1.4 | 94 | 9.8 | -9.8 | .6 | 3431 |
| 700 | 89 | 12.5 | -12.5 | -.3 | 83 | 11.4 | -11.3 | -1.4 | 74 | 11.3 | -10.9 | -3.1 | 71 | 10.8 | -10.2 | -3.6 | 3130 |
| 725 | 92 | 12.6 | -12.6 | .3 | 79 | 12.9 | -12.7 | -2.6 | 80 | 11.7 | -11.5 | -2.0 | 74 | 11.3 | -10.8 | -3.2 | 2837 |
| 750 | 93 | 14.0 | -14.0 | .8 | 79 | 15.0 | -14.7 | -2.9 | 86 | 11.5 | -11.5 | -.7 | 80 | 10.6 | -10.4 | -1.9 | 2553 |
| 775 | 92 | 15.3 | -15.3 | .4 | 79 | 14.4 | -14.2 | -2.7 | 84 | 10.7 | -10.6 | -1.1 | 80 | 10.7 | -10.5 | -1.9 | 2276 |
| 800 | 90 | 14.5 | -14.5 | .1 | 81 | 14.3 | -14.1 | -2.2 | 78 | 10.5 | -10.3 | -2.1 | 76 | 11.7 | -11.4 | -2.8 | 2007 |
| 825 | 88 | 13.0 | -13.0 | -.5 | 84 | 15.8 | -15.7 | -1.7 | 79 | 12.7 | -12.5 | -2.5 | 73 | 12.3 | -11.7 | -3.5 | 1745 |
| 850 | 83 | 13.6 | -13.5 | -1.7 | 83 | 15.9 | -15.7 | -1.9 | 81 | 14.6 | -14.4 | -2.3 | 80 | 12.7 | -12.5 | -2.3 | 1490 |
| 875 | 84 | 15.1 | -15.1 | -1.5 | 88 | 14.8 | -14.8 | -.6 | 84 | 14.0 | -13.9 | -1.5 | 84 | 13.8 | -13.8 | -1.4 | 1242 |
| 900 | 89 | 14.8 | -14.8 | -.2 | 99 | 14.2 | -14.1 | 2.1 | 89 | 11.8 | -11.8 | -.2 | 83 | 14.8 | -14.7 | -1.9 | 999 |
| 925 | 90 | 11.4 | -11.4 | .1 | 103 | 13.0 | -12.7 | 2.9 | 96 | 9.6 | -9.5 | 1.0 | 83 | 14.2 | -14.1 | -1.7 | 762 |
| 950 | 89 | 7.6 | -7.6 | -.1 | 101 | 10.4 | -10.2 | 1.9 | 100 | 7.6 | -7.5 | 1.4 | 87 | 11.6 | -11.6 | -.6 | 529 |
| 975 | 87 | 6.3 | -6.3 | -.4 | 102 | 7.9 | -7.7 | 1.6 | 103 | 6.0 | -5.9 | 1.3 | 92 | 8.1 | -8.1 | .3 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/28 1155 GMT | | | | 3/28 15 0 GMT | | | | 3/28 1750 GMT | | | | 3/28 21 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 292 | 7.4 | 6.8 | -2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 245 | 8.6 | 7.8 | 3.7 | | 232 | 10.4 | 8.2 | 6.3 | | 245 | 12.1 | 11.0 | 5.1 | | 222 | 5.9 | 3.9 | 4.4 | 18589 |
| 80 | | 278 | 16.3 | 16.1 | -2.3 | | 279 | 18.6 | 18.3 | -3.0 | | 276 | 19.0 | 18.9 | -1.9 | | 262 | 16.5 | 16.4 | 2.3 | 17801 |
| 90 | | 317 | 9.9 | 6.7 | -7.3 | | 302 | 11.3 | 9.5 | -6.1 | | 298 | 12.9 | 11.4 | -6.0 | | 286 | 18.4 | 17.7 | -4.9 | 17121 |
| 100 | | 246 | 4.8 | 4.4 | 2.0 | | 280 | 7.0 | 6.9 | -1.2 | | 275 | 6.3 | 6.3 | -.6 | | 310 | 4.7 | 3.6 | -3.0 | 16521 |
| 110 | | 259 | 22.8 | 22.3 | 4.4 | | 256 | 22.7 | 22.1 | 5.5 | | 252 | 23.1 | 22.0 | 7.2 | | 268 | 16.3 | 16.3 | .4 | 15978 |
| 120 | | 245 | 25.4 | 23.0 | 10.7 | | 246 | 23.6 | 21.6 | 9.5 | | 253 | 22.3 | 21.3 | 6.5 | | 260 | 24.8 | 24.4 | 4.3 | 15479 |
| 130 | | 269 | 20.5 | 20.5 | .5 | | 269 | 18.1 | 18.1 | .2 | | 268 | 16.0 | 16.0 | .5 | | 275 | 19.0 | 18.9 | -1.5 | 15014 |
| 140 | | 295 | 18.5 | 16.8 | -7.8 | | 281 | 15.9 | 15.6 | -3.0 | | 285 | 16.0 | 15.4 | -4.2 | | 275 | 15.4 | 15.3 | -1.2 | 14578 |
| 150 | | 307 | 22.2 | 17.8 | -13.3 | | 302 | 19.3 | 16.4 | -10.1 | | 305 | 17.6 | 14.5 | -10.0 | | 283 | 17.0 | 16.5 | -3.9 | 14167 |
| 160 | | 307 | 20.8 | 16.6 | -12.5 | | 307 | 21.5 | 17.3 | -12.8 | | 308 | 21.5 | 16.9 | -13.3 | | 299 | 19.1 | 16.7 | -9.1 | 13776 |
| 170 | | 309 | 21.4 | 16.6 | -13.4 | | 314 | 25.7 | 18.5 | -17.8 | | 309 | 27.9 | 21.7 | -17.6 | | 310 | 28.8 | 22.1 | -18.4 | 13404 |
| 180 | | 310 | 25.0 | 19.1 | -16.2 | | 317 | 33.2 | 22.6 | -24.4 | | 311 | 32.7 | 24.6 | -21.6 | | 312 | 36.2 | 26.8 | -24.3 | 13049 |
| 190 | | 309 | 29.6 | 22.9 | -18.8 | | 316 | 36.0 | 25.2 | -25.7 | | 312 | 36.2 | 26.9 | -24.1 | | 311 | 38.8 | 29.3 | -25.5 | 12709 |
| 200 | | 309 | 33.4 | 25.8 | -21.2 | | 314 | 36.5 | 26.1 | -25.5 | | 309 | 36.0 | 28.0 | -22.7 | | 309 | 38.4 | 29.8 | -24.3 | 12383 |
| 225 | | 309 | 38.9 | 30.4 | -24.3 | | 303 | 32.4 | 27.0 | -17.9 | | 308 | 36.2 | 28.7 | -22.1 | | 308 | 36.6 | 28.9 | -22.5 | 11617 |
| 250 | | 306 | 33.3 | 26.8 | -19.8 | | 311 | 34.6 | 26.2 | -22.7 | | 308 | 35.5 | 27.8 | -22.0 | | 312 | 33.8 | 25.0 | -22.8 | 10914 |
| 275 | | 312 | 30.3 | 22.6 | -20.3 | | 312 | 29.8 | 22.3 | -19.9 | | 311 | 32.8 | 24.6 | -21.7 | | 304 | 35.0 | 29.0 | -19.7 | 10262 |
| 300 | | 312 | 23.0 | 17.0 | -15.4 | | 308 | 23.1 | 18.1 | -14.3 | | 309 | 24.8 | 19.2 | -15.8 | | 307 | 28.1 | 22.4 | -16.9 | 9654 |
| 325 | | 322 | 18.8 | 11.6 | -14.8 | | 324 | 14.9 | 8.8 | -12.1 | | 318 | 17.6 | 11.8 | -13.1 | | 311 | 18.4 | 13.8 | -12.1 | 9084 |
| 350 | | 338 | 11.5 | 4.2 | -10.7 | | 341 | 10.2 | 3.3 | -9.6 | | 333 | 12.3 | 5.6 | -11.0 | | 328 | 11.2 | 5.9 | -9.6 | 8546 |
| 375 | | 22 | 11.2 | -4.1 | -10.4 | | 24 | 10.0 | -4.1 | -9.1 | | 2 | 8.9 | -.2 | -8.9 | | 333 | 7.0 | 3.2 | -6.2 | 8039 |
| 400 | | 39 | 7.3 | -4.6 | -5.7 | | 30 | 7.7 | -3.8 | -6.6 | | 32 | 10.3 | -5.4 | -8.8 | | 0 | 7.1 | -.0 | -7.1 | 7557 |
| 425 | | 36 | 7.2 | -4.2 | -5.8 | | 38 | 6.6 | -4.1 | -5.2 | | 40 | 8.6 | -5.5 | -6.6 | | 44 | 8.3 | -5.8 | -5.9 | 7099 |
| 450 | | 36 | 9.4 | -5.5 | -7.6 | | 29 | 8.9 | -4.3 | -7.8 | | 31 | 8.8 | -4.5 | -7.5 | | 46 | 8.7 | -6.3 | -6.1 | 6662 |
| 475 | | 8 | 8.2 | -1.2 | -8.1 | | 359 | 8.8 | .2 | -8.8 | | 351 | 8.8 | 1.4 | -8.7 | | 9 | 6.1 | -1.0 | -6.0 | 6244 |
| 500 | | 353 | 9.8 | 1.1 | -9.7 | | 351 | 9.8 | 1.5 | -9.7 | | 343 | 9.5 | 2.8 | -9.1 | | 347 | 8.3 | 1.8 | -8.1 | 5844 |
| 525 | | 358 | 11.4 | .4 | -11.4 | | 355 | 10.8 | 1.0 | -10.7 | | 18 | 8.8 | -2.8 | -8.3 | | 6 | 6.9 | -.7 | -6.8 | 5460 |
| 550 | | 12 | 11.3 | -2.4 | -11.0 | | 21 | 10.8 | -3.9 | -10.1 | | 36 | 10.5 | -6.2 | -8.5 | | 27 | 9.5 | -4.3 | -8.5 | 5091 |
| 575 | | 26 | 12.6 | -5.5 | -11.3 | | 30 | 12.2 | -6.0 | -10.6 | | 40 | 11.4 | -7.4 | -8.7 | | 22 | 11.0 | -4.2 | -10.2 | 4736 |
| 600 | | 35 | 11.3 | -6.5 | -9.2 | | 53 | 8.7 | -7.0 | -5.2 | | 58 | 7.4 | -6.3 | -4.0 | | 36 | 9.7 | -5.6 | -7.8 | 4393 |
| 625 | | 73 | 7.9 | -7.6 | -2.3 | | 94 | 6.8 | -6.8 | .5 | | 100 | 5.6 | -5.5 | 1.0 | | 72 | 5.2 | -5.0 | -1.7 | 4062 |
| 650 | | 93 | 8.4 | -8.4 | .4 | | 103 | 7.4 | -7.2 | 1.7 | | 107 | 6.8 | -6.5 | 2.0 | | 117 | 4.2 | -3.8 | 1.9 | 3742 |
| 675 | | 89 | 8.6 | -8.6 | -.1 | | 76 | 8.1 | -7.9 | -2.0 | | 85 | 6.7 | -6.6 | -.6 | | 106 | 6.0 | -5.7 | 1.7 | 3431 |
| 700 | | 67 | 9.7 | -8.9 | -3.9 | | 65 | 10.3 | -9.3 | -4.4 | | 61 | 8.8 | -7.7 | -4.2 | | 72 | 6.0 | -5.7 | -1.9 | 3130 |
| 725 | | 68 | 12.1 | -11.2 | -4.6 | | 81 | 10.2 | -10.1 | -1.7 | | 68 | 11.4 | -10.6 | -4.2 | | 62 | 7.9 | -7.0 | -3.7 | 2837 |
| 750 | | 80 | 11.6 | -11.4 | -2.1 | | 87 | 9.9 | -9.9 | -.5 | | 80 | 11.0 | -10.8 | -1.9 | | 72 | 10.6 | -10.0 | -3.3 | 2553 |
| 775 | | 81 | 9.5 | -9.4 | -1.4 | | 77 | 9.6 | -9.4 | -2.2 | | 88 | 9.1 | -9.1 | -.3 | | 82 | 9.3 | -9.2 | -1.3 | 2276 |
| 800 | | 80 | 9.8 | -9.7 | -1.7 | | 72 | 9.4 | -8.9 | -2.9 | | 83 | 8.7 | -8.6 | -1.1 | | 90 | 9.0 | -9.0 | .0 | 2007 |
| 825 | | 80 | 10.9 | -10.7 | -1.8 | | 81 | 9.7 | -9.6 | -1.5 | | 78 | 9.8 | -9.6 | -2.0 | | 88 | 10.9 | -10.9 | -.4 | 1745 |
| 850 | | 82 | 11.2 | -11.1 | -1.6 | | 93 | 10.6 | -10.6 | .5 | | 83 | 10.9 | -10.8 | -1.3 | | 85 | 12.4 | -12.3 | -1.1 | 1490 |
| 875 | | 82 | 10.6 | -10.5 | -1.4 | | 91 | 10.3 | -10.3 | .3 | | 89 | 11.0 | -11.0 | -.3 | | 96 | 12.9 | -12.8 | 1.3 | 1242 |
| 900 | | 81 | 9.9 | -9.8 | -1.5 | | 82 | 9.9 | -9.8 | -1.4 | | 92 | 10.7 | -10.7 | .4 | | 99 | 12.7 | -12.5 | 2.0 | 999 |
| 925 | | 88 | 9.2 | -9.2 | -.3 | | 82 | 10.0 | -9.9 | -1.5 | | 94 | 10.8 | -10.8 | .8 | | 85 | 11.4 | -11.4 | -1.0 | 762 |
| 950 | | 101 | 8.0 | -7.9 | 1.5 | | 91 | 9.6 | -9.6 | .2 | | 98 | 10.7 | -10.6 | 1.4 | | 95 | 9.8 | -9.8 | .8 | 529 |
| 975 | | 108 | 6.3 | -6.0 | 1.9 | | 104 | 8.4 | -8.2 | 2.0 | | 106 | 9.3 | -8.9 | 2.6 | | 114 | 9.3 | -8.5 | 3.8 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/29 0 0 GMT | | | | 3/29 250 GMT | | | | 3/29 6 0 GMT | | | | 3/29 9 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 294 | 7.3 | 6.7 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 243 | 11.4 | 10.1 | 5.2 | | 238 | 12.1 | 10.2 | 6.5 | | 237 | 12.3 | 10.3 | 6.6 | | 262 | 10.6 | 10.5 | 1.5 | 18589 |
| 80 | | 274 | 19.0 | 18.9 | -1.3 | | 261 | 19.1 | 18.8 | 3.0 | | 263 | 19.3 | 19.1 | 2.5 | | 267 | 18.3 | 18.3 | .9 | 17801 |
| 90 | | 288 | 13.7 | 13.0 | -4.3 | | 287 | 14.1 | 13.5 | -4.2 | | 286 | 15.8 | 15.2 | -4.5 | | 293 | 16.0 | 14.8 | -6.2 | 17121 |
| 100 | | 288 | 10.4 | 9.9 | -3.3 | | 286 | 13.8 | 13.3 | -3.8 | | 277 | 13.3 | 13.2 | -1.6 | | 273 | 17.0 | 17.0 | -1.0 | 16521 |
| 110 | | 269 | 21.5 | 21.5 | .4 | | 269 | 23.0 | 23.0 | .5 | | 264 | 21.8 | 21.7 | 2.3 | | 252 | 22.9 | 21.8 | 6.9 | 15978 |
| 120 | | 271 | 18.8 | 18.8 | -.2 | | 285 | 19.0 | 18.4 | -5.1 | | 283 | 18.0 | 17.6 | -4.0 | | 274 | 19.3 | 19.3 | -1.2 | 15479 |
| 130 | | 302 | 15.4 | 13.1 | -8.1 | | 302 | 15.0 | 12.7 | -8.0 | | 304 | 15.4 | 12.7 | -8.7 | | 300 | 14.9 | 12.9 | -7.4 | 15014 |
| 140 | | 289 | 15.4 | 14.6 | -4.9 | | 316 | 18.5 | 12.8 | -13.4 | | 322 | 26.1 | 16.1 | -20.6 | | 315 | 23.8 | 16.9 | -16.7 | 14578 |
| 150 | | 296 | 16.1 | 14.5 | -7.0 | | 316 | 28.1 | 19.7 | -20.0 | | 323 | 27.1 | 16.3 | -21.6 | | 313 | 30.1 | 21.9 | -20.6 | 14167 |
| 160 | | 308 | 23.8 | 18.8 | -14.6 | | 317 | 31.9 | 21.6 | -23.5 | | 322 | 31.5 | 19.4 | -24.8 | | 319 | 38.1 | 25.2 | -28.5 | 13776 |
| 170 | | 311 | 32.9 | 24.7 | -21.7 | | 318 | 33.3 | 22.1 | -24.9 | | 319 | 33.2 | 21.7 | -25.2 | | 317 | 35.5 | 24.1 | -26.1 | 13404 |
| 180 | | 313 | 34.4 | 25.0 | -23.7 | | 318 | 32.2 | 21.5 | -23.9 | | 317 | 33.4 | 22.8 | -24.4 | | 313 | 34.8 | 25.4 | -23.7 | 13049 |
| 190 | | 315 | 32.5 | 22.9 | -23.1 | | 317 | 32.6 | 22.3 | -23.8 | | 315 | 31.6 | 22.5 | -22.2 | | 315 | 34.5 | 24.5 | -24.3 | 12709 |
| 200 | | 318 | 33.1 | 22.0 | -24.7 | | 318 | 34.2 | 22.8 | -25.5 | | 314 | 27.6 | 19.9 | -19.1 | | 312 | 35.1 | 26.1 | -23.5 | 12383 |
| 225 | | 324 | 28.0 | 16.4 | -22.7 | | 313 | 29.0 | 21.3 | -19.7 | | 304 | 25.6 | 21.4 | -14.1 | | 309 | 27.5 | 21.4 | -17.4 | 11617 |
| 250 | | 314 | 34.3 | 24.7 | -23.7 | | 315 | 26.9 | 19.2 | -18.9 | | 318 | 20.6 | 13.7 | -15.3 | | 312 | 21.6 | 16.0 | -14.6 | 10914 |
| 275 | | 301 | 34.8 | 29.7 | -18.1 | | 320 | 28.2 | 18.0 | -21.8 | | 335 | 25.0 | 10.5 | -22.7 | | 303 | 20.4 | 17.1 | -11.0 | 10262 |
| 300 | | 308 | 31.8 | 25.2 | -19.3 | | 320 | 26.6 | 16.9 | -20.5 | | 331 | 24.5 | 11.9 | -21.4 | | 299 | 18.4 | 16.0 | -9.1 | 9654 |
| 325 | | 303 | 22.3 | 18.6 | -12.3 | | 324 | 24.7 | 14.7 | -19.9 | | 331 | 22.8 | 10.9 | -20.0 | | 327 | 20.8 | 11.4 | -17.4 | 9084 |
| 350 | | 318 | 12.6 | 8.5 | -9.4 | | 312 | 20.2 | 15.0 | -13.5 | | 338 | 15.6 | 6.0 | -14.4 | | 339 | 16.9 | 6.0 | -15.8 | 8546 |
| 375 | 3 | 307 | 6.2 | 5.0 | -3.7 | | 315 | 9.0 | 6.4 | -6.3 | | 314 | 9.7 | 6.9 | -6.8 | | 344 | 10.9 | 3.0 | -10.4 | 8039 |
| 400 | | 354 | 6.1 | .6 | -6.0 | 3 | 328 | 3.7 | 2.0 | -3.1 | | 307 | 3.4 | 2.7 | -2.1 | | 300 | 6.2 | 5.4 | -3.1 | 7557 |
| 425 | | 37 | 7.0 | -4.2 | -5.6 | | 10 | 5.1 | -.9 | -5.0 | | 25 | 4.5 | -1.9 | -4.1 | | 268 | 4.2 | 4.2 | .1 | 7099 |
| 450 | | 39 | 7.4 | -4.7 | -5.7 | | 50 | 6.5 | -5.0 | -4.2 | | 45 | 4.6 | -3.3 | -3.3 | | 354 | 1.0 | .1 | -1.0 | 6662 |
| 475 | | 356 | 7.3 | .5 | -7.3 | | 25 | 4.8 | -2.0 | -4.3 | | 20 | 4.9 | -1.6 | -4.6 | | 47 | 4.5 | -3.3 | -3.1 | 6244 |
| 500 | | 347 | 7.7 | 1.8 | -7.5 | | 334 | 5.7 | 2.5 | -5.2 | | 336 | 5.5 | 2.2 | -5.0 | | 330 | 4.0 | 2.0 | -3.5 | 5844 |
| 525 | | 12 | 7.1 | -1.5 | -7.0 | | 360 | 5.9 | .0 | -5.9 | | 355 | 6.1 | .5 | -6.0 | | 4 | 4.2 | -.3 | -4.2 | 5460 |
| 550 | | 20 | 11.0 | -3.7 | -10.4 | | 20 | 8.6 | -3.0 | -8.1 | | 24 | 8.4 | -3.4 | -7.6 | | 46 | 8.1 | -5.8 | -5.7 | 5091 |
| 575 | | 31 | 10.7 | -5.4 | -9.2 | | 37 | 9.1 | -5.4 | -7.3 | | 35 | 9.1 | -5.2 | -7.5 | | 55 | 7.6 | -6.2 | -4.4 | 4736 |
| 600 | | 52 | 8.9 | -7.0 | -5.4 | | 62 | 7.4 | -6.5 | -3.5 | | 62 | 6.8 | -5.9 | -3.2 | | 81 | 6.0 | -6.0 | -.9 | 4393 |
| 625 | | 102 | 4.4 | -4.3 | .9 | | 115 | 4.7 | -4.3 | 2.0 | | 102 | 6.2 | -6.1 | 1.3 | | 108 | 4.9 | -4.6 | 1.5 | 4062 |
| 650 | | 124 | 5.9 | -4.9 | 3.3 | | 117 | 6.3 | -5.6 | 2.8 | | 110 | 7.2 | -6.7 | 2.4 | | 97 | 6.0 | -5.9 | .8 | 3742 |
| 675 | | 102 | 8.6 | -8.5 | 1.8 | | 100 | 7.5 | -7.4 | 1.3 | | 104 | 8.6 | -8.3 | 2.0 | | 73 | 7.2 | -6.9 | -2.1 | 3431 |
| 700 | | 78 | 7.0 | -6.8 | -1.5 | | 68 | 6.2 | -5.8 | -2.3 | | 64 | 6.9 | -6.2 | -3.1 | | 70 | 9.2 | -8.7 | -3.1 | 3130 |
| 725 | | 58 | 8.1 | -6.9 | -4.3 | | 55 | 8.0 | -6.5 | -4.6 | | 60 | 9.5 | -8.2 | -4.8 | | 83 | 10.7 | -10.6 | -1.2 | 2837 |
| 750 | | 74 | 9.1 | -8.8 | -2.5 | | 74 | 8.8 | -8.5 | -2.4 | | 73 | 9.8 | -9.3 | -2.9 | | 77 | 10.7 | -10.5 | -2.4 | 2553 |
| 775 | | 88 | 8.5 | -8.5 | -.3 | | 85 | 9.1 | -9.0 | -.8 | | 78 | 9.7 | -9.5 | -2.0 | | 73 | 11.4 | -10.9 | -3.4 | 2276 |
| 800 | | 84 | 8.7 | -8.7 | -.9 | | 85 | 9.0 | -8.9 | -.8 | | 81 | 10.5 | -10.4 | -1.6 | | 84 | 12.1 | -12.1 | -1.2 | 2007 |
| 825 | | 80 | 10.6 | -10.4 | -1.8 | | 87 | 10.1 | -10.1 | -.5 | | 90 | 10.9 | -10.9 | -.0 | | 95 | 13.5 | -13.4 | 1.2 | 1745 |
| 850 | | 83 | 12.1 | -12.0 | -1.5 | | 92 | 12.2 | -12.2 | .4 | | 93 | 12.5 | -12.5 | .7 | | 93 | 13.7 | -13.6 | .8 | 1490 |
| 875 | | 86 | 12.3 | -12.3 | -.8 | | 94 | 12.9 | -12.9 | .9 | | 91 | 13.7 | -13.7 | .2 | | 86 | 13.0 | -12.9 | -.9 | 1242 |
| 900 | | 89 | 11.8 | -11.8 | -.2 | | 96 | 12.0 | -12.0 | 1.3 | | 91 | 12.9 | -12.9 | .2 | | 83 | 12.1 | -12.0 | -1.4 | 999 |
| 925 | | 93 | 11.7 | -11.7 | .6 | | 99 | 10.5 | -10.4 | 1.6 | | 92 | 10.9 | -10.9 | .4 | | 83 | 11.3 | -11.3 | -1.4 | 762 |
| 950 | | 97 | 11.2 | -11.1 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 8.8 | -8.8 | .5 | | 86 | 10.7 | -10.7 | -.7 | 529 |
| 975 | | 101 | 9.4 | -9.2 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 96 | 7.6 | -7.6 | .8 | | 94 | 9.4 | -9.4 | .6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/29 12 0 GMT | | | | 3/29 1750 GMT | | | | 3/29 2345 GMT | | | | 3/30 6 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 289 | 13.7 | 13.0 | -4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 302 | 6.7 | 5.7 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 269 | 11.3 | 11.3 | .2 | | 255 | 11.2 | 10.8 | 3.0 | | 246 | 8.6 | 7.9 | 3.5 | | 315 | 4.9 | 3.4 | -3.4 | 18589 |
| 80 | | 261 | 19.7 | 19.5 | 3.1 | | 256 | 17.4 | 16.9 | 4.1 | | 268 | 17.8 | 17.7 | .7 | | 256 | 13.6 | 13.2 | 3.3 | 17801 |
| 90 | | 300 | 16.8 | 14.6 | -8.4 | | 295 | 13.3 | 12.0 | -5.6 | | 292 | 17.9 | 16.7 | -6.7 | | 286 | 12.0 | 11.5 | -3.2 | 17121 |
| 100 | | 291 | 15.4 | 14.4 | -5.6 | | 297 | 21.0 | 18.6 | -9.7 | | 259 | 17.8 | 17.5 | 3.5 | | 278 | 18.3 | 18.1 | -2.5 | 16521 |
| 110 | | 261 | 20.8 | 20.6 | 3.2 | | 264 | 20.8 | 20.7 | 2.2 | | 262 | 24.6 | 24.3 | 3.6 | | 263 | 19.9 | 19.8 | 2.4 | 15978 |
| 120 | | 257 | 22.4 | 21.8 | 5.1 | | 260 | 22.6 | 22.3 | 4.0 | | 267 | 19.9 | 19.9 | 1.0 | | 269 | 22.5 | 22.5 | .2 | 15479 |
| 130 | | 285 | 16.4 | 15.8 | -4.2 | | 277 | 13.9 | 13.8 | -1.6 | | 294 | 17.4 | 15.9 | -7.2 | | 294 | 17.0 | 15.5 | -7.0 | 15014 |
| 140 | | 312 | 21.8 | 16.1 | -14.6 | | 303 | 19.9 | 16.6 | -10.9 | | 317 | 21.2 | 14.5 | -15.5 | | 320 | 22.9 | 14.8 | -17.5 | 14578 |
| 150 | | 317 | 29.1 | 19.8 | -21.2 | | 316 | 25.6 | 17.8 | -18.5 | | 320 | 26.8 | 17.3 | -20.5 | | 316 | 33.2 | 22.9 | -24.1 | 14167 |
| 160 | 2 | 319 | 33.9 | 22.3 | -25.5 | | 325 | 29.7 | 17.1 | -24.2 | | 315 | 35.5 | 25.0 | -25.3 | | 312 | 38.6 | 28.7 | -25.8 | 13776 |
| 170 | | 319 | 36.1 | 23.6 | -27.4 | | 325 | 35.3 | 20.3 | -28.9 | | 313 | 38.7 | 28.4 | -26.3 | | 310 | 39.9 | 30.5 | -25.7 | 13404 |
| 180 | | 320 | 36.1 | 23.2 | -27.7 | | 324 | 35.5 | 20.7 | -28.8 | | 312 | 35.3 | 26.4 | -23.4 | | 309 | 39.5 | 30.6 | -25.0 | 13049 |
| 190 | | 317 | 36.6 | 24.8 | -26.8 | | 315 | 30.2 | 21.4 | -21.3 | | 313 | 33.8 | 24.9 | -22.9 | | 306 | 37.1 | 29.9 | -22.0 | 12709 |
| 200 | | 313 | 35.3 | 25.6 | -24.2 | | 304 | 27.2 | 22.4 | -15.4 | | 315 | 35.2 | 24.7 | -25.0 | | 303 | 33.7 | 28.3 | -18.4 | 12383 |
| 225 | | 305 | 32.1 | 26.2 | -18.6 | | 308 | 21.7 | 17.0 | -13.5 | | 310 | 32.4 | 24.9 | -20.8 | | 300 | 32.0 | 27.6 | -16.1 | 11617 |
| 250 | | 302 | 27.0 | 22.9 | -14.2 | | 302 | 21.0 | 17.9 | -11.0 | | 310 | 28.0 | 21.5 | -17.9 | | 298 | 27.5 | 24.3 | -12.8 | 10914 |
| 275 | | 307 | 24.4 | 19.5 | -14.6 | | 294 | 20.8 | 19.0 | -8.5 | | 311 | 25.6 | 19.2 | -17.0 | | 294 | 22.4 | 20.5 | -9.1 | 10262 |
| 300 | | 316 | 20.2 | 14.1 | -14.4 | | 296 | 15.3 | 13.7 | -6.7 | | 309 | 18.8 | 14.6 | -11.9 | | 299 | 16.4 | 14.4 | -8.0 | 9654 |
| 325 | | 318 | 16.0 | 10.6 | -12.0 | | 287 | 15.9 | 15.2 | -4.7 | | 306 | 9.6 | 7.7 | -5.7 | | 308 | 9.4 | 7.4 | -5.8 | 9084 |
| 350 | | 336 | 13.6 | 5.5 | -12.5 | | 281 | 6.1 | 5.9 | -1.2 | | 286 | 5.1 | 4.9 | -1.4 | | 286 | 6.2 | 6.0 | -1.7 | 8546 |
| 375 | | 336 | 9.5 | 3.8 | -8.7 | | 6 | 3.4 | -.4 | -3.4 | | 261 | 2.6 | 2.6 | .4 | | 234 | 3.6 | 2.9 | 2.1 | 8039 |
| 400 | | 274 | 6.7 | 6.6 | -.4 | | 284 | 3.6 | 3.5 | -.9 | | 231 | 5.4 | 4.2 | 3.4 | | 195 | 5.6 | 1.5 | 5.4 | 7557 |
| 425 | | 288 | 2.4 | 2.2 | -.7 | | 300 | 1.0 | .9 | -.5 | | 213 | 4.2 | 2.3 | 3.5 | | 191 | 6.9 | 1.4 | 6.8 | 7099 |
| 450 | | 55 | 3.7 | -3.0 | -2.1 | | 116 | 2.2 | -2.0 | 1.0 | | 159 | 1.0 | -.4 | 1.0 | | 177 | 5.6 | -.3 | 5.6 | 6662 |
| 475 | | 64 | 5.1 | -4.6 | -2.2 | | 67 | 4.0 | -3.7 | -1.6 | | 82 | 1.0 | -1.0 | -.1 | | 177 | 4.5 | -.2 | 4.5 | 6244 |
| 500 | | 6 | 2.4 | -.3 | -2.4 | | 354 | 2.7 | .3 | -2.7 | | 322 | .9 | .5 | -.7 | | 294 | 2.0 | 1.8 | -.8 | 5844 |
| 525 | | 329 | 4.6 | 2.3 | -3.9 | | 4 | 3.7 | -.2 | -3.7 | | 51 | 3.1 | -2.4 | -1.9 | | 47 | 4.8 | -3.6 | -3.3 | 5460 |
| 550 | | 29 | 5.9 | -2.8 | -5.2 | | 51 | 5.6 | -4.4 | -3.5 | | 65 | 4.3 | -3.9 | -1.8 | | 60 | 4.4 | -3.8 | -2.2 | 5091 |
| 575 | | 56 | 9.3 | -7.7 | -5.3 | | 93 | 6.3 | -6.3 | .3 | | 92 | 5.3 | -5.3 | .2 | | 100 | 3.5 | -3.4 | .6 | 4736 |
| 600 | | 61 | 8.1 | -7.1 | -4.0 | | 95 | 5.1 | -5.1 | .5 | | 96 | 3.9 | -3.8 | .4 | | 147 | 4.1 | -2.3 | 3.4 | 4393 |
| 625 | | 82 | 4.7 | -4.6 | -.7 | | 108 | 3.5 | -3.4 | 1.1 | | 114 | 3.1 | -2.9 | 1.3 | | 125 | 4.6 | -3.7 | 2.7 | 4062 |
| 650 | | 87 | 7.2 | -7.2 | -.4 | | 102 | 6.2 | -6.1 | 1.3 | | 117 | 5.0 | -4.4 | 2.3 | | 126 | 5.2 | -4.2 | 3.1 | 3742 |
| 675 | | 82 | 8.8 | -8.7 | -1.2 | | 91 | 6.7 | -6.7 | .2 | | 94 | 5.9 | -5.9 | .4 | | 109 | 4.7 | -4.5 | 1.5 | 3431 |
| 700 | | 65 | 8.9 | -8.1 | -3.8 | | 58 | 8.0 | -6.8 | -4.2 | | 67 | 8.4 | -7.8 | -3.3 | | 78 | 8.8 | -8.6 | -1.9 | 3130 |
| 725 | | 67 | 10.2 | -9.4 | -4.0 | | 65 | 10.5 | -9.5 | -4.4 | | 75 | 10.5 | -10.1 | -2.7 | | 85 | 10.9 | -10.8 | -1.0 | 2837 |
| 750 | | 77 | 10.4 | -10.1 | -2.3 | | 82 | 12.4 | -12.2 | -1.7 | | 85 | 10.3 | -10.3 | -.9 | | 94 | 11.7 | -11.7 | .8 | 2553 |
| 775 | | 83 | 10.3 | -10.2 | -1.3 | | 90 | 13.1 | -13.1 | -.1 | | 85 | 9.9 | -9.8 | -.8 | | 93 | 13.7 | -13.7 | .8 | 2276 |
| 800 | | 88 | 10.8 | -10.8 | -.4 | | 93 | 11.5 | -11.5 | .6 | | 93 | 11.3 | -11.3 | .5 | | 91 | 13.9 | -13.9 | .2 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 11.0 | -11.0 | .6 | | 95 | 11.5 | -11.5 | 1.0 | | 91 | 11.4 | -11.4 | .1 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 14.8 | -14.8 | .0 | | 89 | 12.2 | -12.2 | -.3 | | 87 | 11.1 | -11.1 | -.5 | 1490 |
| 875 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 87 | 16.8 | -16.8 | -.8 | | 85 | 14.5 | -14.4 | -1.2 | | 88 | 15.7 | -15.7 | -.6 | 1242 |
| 900 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 14.4 | -14.4 | -.6 | | 84 | 14.9 | -14.8 | -1.4 | | 87 | 16.3 | -16.3 | -.8 | 999 |
| 925 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 12.9 | -12.9 | .3 | | 83 | 13.4 | -13.3 | -1.6 | | 82 | 12.7 | -12.5 | -1.8 | 762 |
| 950 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 12.6 | -12.5 | .5 | | 82 | 11.3 | -11.2 | -1.6 | | 80 | 9.0 | -8.8 | -1.6 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 94 | 10.8 | -10.7 | .7 | | 83 | 9.1 | -9.0 | -1.1 | | 83 | 7.9 | -7.9 | -1.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/30 1220 GMT | | | | 3/30 1755 GMT | | | | 3/31 0 2 GMT | | | | 3/31 655 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 257 | 14.8 | 14.5 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 18.6 | 17.6 | 6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 284 | 8.1 | 7.9 | -2.0 | | 267 | 9.0 | 9.0 | .4 | | 239 | 5.7 | 4.9 | 2.9 | | 272 | 4.9 | 4.9 | -.2 | 18589 |
| 80 | | 270 | 17.1 | 17.1 | -.1 | | 263 | 14.5 | 14.4 | 1.7 | | 259 | 10.8 | 10.6 | 2.0 | | 268 | 5.1 | 5.1 | .2 | 17801 |
| 90 | | 246 | 13.7 | 12.5 | 5.6 | | 247 | 16.9 | 15.5 | 6.7 | | 231 | 18.7 | 14.6 | 11.7 | | 225 | 13.9 | 9.8 | 9.8 | 17121 |
| 100 | | 263 | 19.3 | 19.1 | 2.4 | | 260 | 21.9 | 21.5 | 3.8 | | 251 | 20.8 | 19.6 | 6.8 | | 246 | 18.8 | 17.2 | 7.6 | 16521 |
| 110 | | 269 | 27.3 | 27.3 | .6 | | 267 | 23.1 | 23.1 | 1.4 | | 249 | 16.3 | 15.3 | 5.7 | | 235 | 18.1 | 14.8 | 10.4 | 15978 |
| 120 | | 265 | 23.0 | 22.9 | 2.0 | | 274 | 18.7 | 18.7 | -1.4 | | 291 | 14.2 | 13.3 | -5.1 | | 263 | 10.1 | 10.0 | 1.2 | 15479 |
| 130 | | 289 | 20.9 | 19.7 | -6.8 | | 307 | 20.6 | 16.5 | -12.3 | | 309 | 18.3 | 14.3 | -11.5 | | 300 | 14.3 | 12.4 | -7.1 | 15014 |
| 140 | | 307 | 28.7 | 22.9 | -17.2 | | 324 | 33.8 | 19.8 | -27.3 | | 317 | 24.3 | 16.7 | -17.7 | | 313 | 20.2 | 14.9 | -13.7 | 14578 |
| 150 | | 314 | 38.3 | 27.7 | -26.6 | | 321 | 37.3 | 23.2 | -29.2 | | 318 | 37.6 | 25.3 | -27.8 | | 314 | 36.3 | 25.9 | -25.4 | 14167 |
| 160 | | 314 | 44.1 | 31.5 | -30.8 | | 316 | 38.1 | 26.2 | -27.6 | | 311 | 42.8 | 32.5 | -27.8 | | 306 | 37.9 | 30.7 | -22.2 | 13776 |
| 170 | | 314 | 42.8 | 30.7 | -29.8 | | 311 | 40.4 | 30.3 | -26.7 | | 303 | 40.4 | 34.0 | -21.7 | | 304 | 37.8 | 31.3 | -21.2 | 13404 |
| 180 | | 314 | 40.8 | 29.1 | -28.6 | | 308 | 41.3 | 32.6 | -25.3 | | 299 | 39.5 | 34.5 | -19.2 | | 307 | 34.0 | 27.3 | -20.3 | 13049 |
| 190 | | 312 | 40.9 | 30.3 | -27.5 | | 307 | 38.5 | 30.7 | -23.3 | | 301 | 35.4 | 30.3 | -18.3 | | 309 | 30.0 | 23.3 | -18.9 | 12709 |
| 200 | | 312 | 41.1 | 30.6 | -27.5 | | 310 | 37.1 | 28.3 | -24.0 | | 303 | 30.1 | 25.3 | -16.3 | | 308 | 27.5 | 21.8 | -16.8 | 12383 |
| 225 | | 300 | 32.1 | 27.7 | -16.2 | | 309 | 26.5 | 20.6 | -16.6 | | 300 | 19.2 | 16.6 | -9.6 | | 298 | 26.5 | 23.4 | -12.5 | 11617 |
| 250 | | 291 | 21.1 | 19.8 | -7.4 | | 309 | 20.1 | 15.7 | -12.7 | | 292 | 18.1 | 16.8 | -6.7 | | 286 | 22.9 | 22.0 | -6.4 | 10914 |
| 275 | | 276 | 14.9 | 14.8 | -1.6 | | 300 | 14.7 | 12.8 | -7.3 | | 280 | 13.7 | 13.4 | -2.4 | | 273 | 17.7 | 17.7 | -.9 | 10262 |
| 300 | | 286 | 14.5 | 14.0 | -3.9 | | 282 | 7.3 | 7.1 | -1.5 | | 268 | 18.0 | 18.0 | .6 | | 259 | 14.4 | 14.1 | 2.8 | 9654 |
| 325 | | 305 | 12.7 | 10.4 | -7.3 | | 248 | 5.9 | 5.5 | 2.1 | | 256 | 13.2 | 12.8 | 3.1 | | 234 | 13.6 | 11.0 | 8.0 | 9084 |
| 350 | | 333 | 8.3 | 3.8 | -7.4 | | 289 | 5.6 | 5.3 | -1.8 | | 219 | 10.1 | 6.4 | 7.8 | | 229 | 14.7 | 11.0 | 9.7 | 8546 |
| 375 | | 339 | 5.2 | 1.8 | -4.8 | | 291 | 8.4 | 7.8 | -3.0 | | 204 | 9.8 | 4.0 | 8.9 | | 229 | 11.5 | 8.7 | 7.5 | 8039 |
| 400 | | 256 | 2.2 | 2.2 | .5 | | 280 | 8.9 | 8.8 | -1.5 | | 214 | 7.7 | 4.3 | 6.4 | | 228 | 14.4 | 10.6 | 9.7 | 7557 |
| 425 | | 214 | 6.7 | 3.8 | 5.5 | | 250 | 6.3 | 5.9 | 2.2 | 3 | 237 | 7.8 | 6.6 | 4.3 | | 233 | 13.6 | 10.8 | 8.2 | 7099 |
| 450 | | 220 | 8.0 | 5.1 | 6.2 | | 225 | 11.5 | 8.2 | 8.1 | | 237 | 12.8 | 10.7 | 6.9 | | 238 | 13.4 | 11.3 | 7.2 | 6662 |
| 475 | | 209 | 7.8 | 3.8 | 6.8 | | 206 | 9.1 | 4.1 | 8.2 | | 211 | 8.9 | 4.6 | 7.7 | | 216 | 10.2 | 6.0 | 8.2 | 6244 |
| 500 | | 198 | 3.7 | 1.2 | 3.6 | | 213 | 6.4 | 3.5 | 5.4 | | 193 | 7.5 | 1.7 | 7.4 | | 185 | 8.3 | .8 | 8.3 | 5844 |
| 525 | | 45 | 3.5 | -2.4 | -2.5 | | 136 | 3.7 | -2.5 | 2.6 | | 182 | 5.4 | .1 | 5.4 | | 177 | 6.4 | -.3 | 6.4 | 5460 |
| 550 | | 74 | 4.6 | -4.4 | -1.3 | | 106 | 6.6 | -6.4 | 1.8 | | 102 | 3.6 | -3.5 | .7 | | 158 | 3.6 | -1.3 | 3.3 | 5091 |
| 575 | | 119 | 3.5 | -3.0 | 1.7 | | 136 | 4.2 | -2.9 | 3.0 | | 96 | 4.5 | -4.5 | .5 | | 107 | 4.3 | -4.1 | 1.3 | 4736 |
| 600 | | 158 | 4.5 | -1.7 | 4.2 | | 150 | 5.9 | -2.9 | 5.1 | | 125 | 3.4 | -2.8 | 2.0 | | 118 | 4.6 | -4.1 | 2.2 | 4393 |
| 625 | | 130 | 5.9 | -4.5 | 3.8 | | 106 | 7.3 | -7.0 | 1.9 | | 136 | 5.9 | -4.1 | 4.2 | | 132 | 5.5 | -4.1 | 3.7 | 4062 |
| 650 | | 108 | 5.2 | -5.0 | 1.7 | | 84 | 6.2 | -6.1 | -.7 | | 107 | 7.2 | -6.9 | 2.1 | | 96 | 5.4 | -5.3 | .6 | 3742 |
| 675 | | 78 | 5.0 | -4.9 | -1.1 | | 71 | 6.8 | -6.4 | -2.2 | | 94 | 5.9 | -5.9 | .4 | | 74 | 5.9 | -5.7 | -1.6 | 3431 |
| 700 | | 79 | 8.2 | -8.1 | -1.6 | | 73 | 10.0 | -9.5 | -3.0 | | 77 | 7.8 | -7.6 | -1.8 | | 64 | 9.9 | -9.0 | -4.3 | 3130 |
| 725 | | 97 | 10.6 | -10.5 | 1.2 | | 83 | 10.3 | -10.2 | -1.3 | | 74 | 11.1 | -10.7 | -3.1 | | 63 | 12.7 | -11.3 | -5.8 | 2837 |
| 750 | | 98 | 11.1 | -11.0 | 1.5 | | 83 | 11.5 | -11.4 | -1.5 | | 73 | 11.2 | -10.8 | -3.2 | | 73 | 13.4 | -12.8 | -4.0 | 2553 |
| 775 | | 91 | 11.4 | -11.4 | .2 | | 82 | 13.9 | -13.8 | -2.0 | | 70 | 12.5 | -11.7 | -4.3 | | 77 | 14.0 | -13.7 | -3.1 | 2276 |
| 800 | | 87 | 11.9 | -11.9 | -.6 | | 85 | 15.1 | -15.0 | -1.4 | | 71 | 12.9 | -12.2 | -4.1 | | 70 | 13.6 | -12.8 | -4.6 | 2007 |
| 825 | | 84 | 13.3 | -13.2 | -1.5 | | 80 | 15.5 | -15.3 | -2.6 | | 70 | 13.4 | -12.6 | -4.6 | | 70 | 13.8 | -13.0 | -4.7 | 1745 |
| 850 | | 83 | 14.9 | -14.8 | -1.7 | | 71 | 14.9 | -14.1 | -4.9 | | 59 | 14.4 | -12.4 | -7.3 | | 71 | 13.3 | -12.5 | -4.4 | 1490 |
| 875 | | 85 | 15.1 | -15.1 | -1.4 | | 70 | 12.9 | -12.2 | -4.4 | | 57 | 14.8 | -12.4 | -8.2 | | 67 | 12.5 | -11.5 | -4.8 | 1242 |
| 900 | | 86 | 15.1 | -15.0 | -1.2 | | 77 | 12.0 | -11.6 | -2.8 | | 62 | 14.2 | -12.6 | -6.6 | | 66 | 12.2 | -11.2 | -5.1 | 999 |
| 925 | | 86 | 14.5 | -14.5 | -1.1 | | 82 | 11.9 | -11.8 | -1.7 | | 71 | 12.3 | -11.6 | -4.1 | | 72 | 11.6 | -11.1 | -3.5 | 762 |
| 950 | | 87 | 12.3 | -12.3 | -.6 | | 88 | 11.0 | -11.0 | -.4 | | 80 | 9.8 | -9.6 | -1.8 | | 82 | 10.8 | -10.7 | -1.5 | 529 |
| 975 | | 94 | 9.6 | -9.6 | .7 | | 97 | 9.6 | -9.5 | 1.2 | | 85 | 7.5 | -7.5 | -.6 | | 84 | 8.9 | -8.8 | -.9 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 3/31 12 0 GMT | | | | 3/31 1744 GMT | | | | 4/ 1 0 1 GMT | | | | 4/ 1 6 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 251 | 23.0 | 21.7 | 7.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 245 | 14.9 | 13.5 | 6.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 225 | 5.7 | 4.1 | 4.1 | | 213 | 6.1 | 3.3 | 5.1 | | 260 | 14.5 | 14.3 | 2.5 | | 263 | 10.7 | 10.6 | 1.4 | 18589 |
| 80 | | 291 | 6.2 | 5.8 | -2.3 | | 268 | 3.7 | 3.7 | .1 | | 229 | 4.3 | 3.2 | 2.8 | | 262 | 4.0 | 4.0 | .6 | 17801 |
| 90 | | 235 | 16.7 | 13.6 | 9.6 | | 228 | 13.2 | 9.8 | 8.9 | | 227 | 16.0 | 11.7 | 11.0 | | 209 | 13.8 | 6.7 | 12.1 | 17121 |
| 100 | | 238 | 21.7 | 18.4 | 11.5 | | 224 | 20.9 | 14.6 | 15.0 | | 221 | 18.0 | 11.7 | 13.7 | | 212 | 22.0 | 11.7 | 18.6 | 16521 |
| 110 | | 224 | 14.5 | 10.0 | 10.5 | | 234 | 13.1 | 10.6 | 7.6 | | 249 | 11.6 | 10.8 | 4.1 | | 235 | 17.0 | 13.9 | 9.7 | 15978 |
| 120 | | 266 | 11.6 | 11.6 | .8 | | 284 | 11.8 | 11.5 | -2.9 | | 297 | 12.9 | 11.5 | -5.9 | | 280 | 12.4 | 12.2 | -2.1 | 15479 |
| 130 | | 297 | 17.2 | 15.3 | -7.9 | | 305 | 20.8 | 17.0 | -12.0 | | 303 | 17.9 | 15.1 | -9.7 | | 306 | 16.7 | 13.4 | -9.9 | 15014 |
| 140 | | 310 | 22.2 | 17.0 | -14.4 | | 310 | 26.1 | 20.1 | -16.6 | | 292 | 20.2 | 18.6 | -7.7 | | 300 | 25.0 | 21.7 | -12.5 | 14578 |
| 150 | | 307 | 32.8 | 26.2 | -19.7 | | 303 | 25.8 | 21.6 | -14.2 | | 290 | 22.3 | 21.0 | -7.6 | | 294 | 27.2 | 24.9 | -11.0 | 14167 |
| 160 | | 303 | 39.5 | 33.1 | -21.5 | | 302 | 29.3 | 24.9 | -15.5 | | 293 | 25.1 | 23.1 | -9.9 | | 290 | 29.4 | 27.5 | -10.2 | 13776 |
| 170 | | 299 | 32.2 | 28.2 | -15.4 | | 301 | 31.6 | 27.1 | -16.3 | | 294 | 26.1 | 23.7 | -10.8 | | 286 | 29.4 | 28.3 | -8.2 | 13404 |
| 180 | | 298 | 28.5 | 25.3 | -13.2 | | 298 | 30.4 | 26.8 | -14.3 | | 294 | 29.7 | 27.1 | -12.1 | | 288 | 25.5 | 24.3 | -7.7 | 13049 |
| 190 | | 300 | 28.7 | 24.8 | -14.4 | | 295 | 28.8 | 26.1 | -12.1 | | 295 | 30.2 | 27.4 | -12.8 | | 288 | 21.7 | 20.6 | -6.5 | 12709 |
| 200 | | 298 | 27.4 | 24.2 | -12.7 | | 295 | 27.1 | 24.6 | -11.3 | | 296 | 28.4 | 25.5 | -12.5 | | 289 | 19.7 | 18.7 | -6.3 | 12383 |
| 225 | | 299 | 25.5 | 22.3 | -12.4 | | 298 | 21.8 | 19.2 | -10.3 | | 284 | 20.4 | 19.8 | -5.0 | | 279 | 15.5 | 15.3 | -2.6 | 11617 |
| 250 | | 308 | 24.5 | 19.2 | -15.2 | | 296 | 20.9 | 18.8 | -9.1 | | 271 | 15.9 | 15.9 | -.2 | | 268 | 13.9 | 13.9 | .5 | 10914 |
| 275 | | 312 | 18.6 | 13.8 | -12.6 | | 300 | 21.8 | 18.9 | -10.9 | | 287 | 18.4 | 17.6 | -5.4 | | 234 | 16.6 | 13.4 | 9.8 | 10262 |
| 300 | | 286 | 15.1 | 14.5 | -4.1 | | 293 | 19.6 | 18.0 | -7.6 | | 291 | 18.8 | 17.5 | -6.8 | | 256 | 14.5 | 14.1 | 3.5 | 9654 |
| 325 | | 251 | 16.1 | 15.3 | 5.2 | | 288 | 15.2 | 14.4 | -4.7 | | 291 | 18.1 | 16.8 | -6.6 | | 280 | 17.2 | 17.0 | -3.0 | 9084 |
| 350 | | 235 | 16.0 | 13.2 | 9.1 | | 273 | 11.2 | 11.2 | -.6 | | 270 | 15.8 | 15.8 | .0 | | 278 | 18.6 | 18.4 | -2.5 | 8546 |
| 375 | | 229 | 15.3 | 11.6 | 9.9 | 0 | 242 | 8.3 | 7.3 | 3.9 | | 257 | 10.7 | 10.4 | 2.5 | | 267 | 12.4 | 12.4 | .7 | 8039 |
| 400 | | 235 | 13.1 | 10.7 | 7.5 | | 235 | 13.9 | 11.4 | 8.1 | | 241 | 12.0 | 10.5 | 5.7 | | 239 | 9.2 | 7.9 | 4.8 | 7557 |
| 425 | | 216 | 11.1 | 6.5 | 9.0 | | 218 | 11.4 | 7.0 | 9.0 | | 231 | 10.3 | 8.0 | 6.5 | | 213 | 7.5 | 4.1 | 6.3 | 7099 |
| 450 | | 222 | 10.8 | 7.3 | 8.0 | | 180 | 10.1 | -.1 | 10.1 | | 183 | 8.5 | .5 | 8.5 | | 169 | 9.4 | -1.8 | 9.2 | 6662 |
| 475 | | 232 | 10.4 | 8.2 | 6.4 | | 197 | 9.1 | 2.6 | 8.7 | | 204 | 7.2 | 2.9 | 6.5 | | 189 | 6.2 | .9 | 6.1 | 6244 |
| 500 | | 194 | 8.5 | 2.0 | 8.2 | | 230 | 9.3 | 7.1 | 6.0 | | 240 | 7.8 | 6.8 | 3.8 | | 245 | 5.4 | 4.9 | 2.3 | 5844 |
| 525 | | 182 | 6.1 | .2 | 6.1 | | 193 | 6.8 | 1.5 | 6.6 | | 193 | 6.6 | 1.5 | 6.5 | | 239 | 5.1 | 4.4 | 2.7 | 5460 |
| 550 | | 189 | 2.7 | .4 | 2.7 | | 169 | 3.1 | -.6 | 3.0 | | 165 | 4.2 | -1.1 | 4.1 | | 211 | 4.7 | 2.5 | 4.1 | 5091 |
| 575 | | 101 | 2.8 | -2.8 | .5 | | 133 | .7 | -.5 | .5 | | 154 | 2.1 | -.9 | 1.9 | | 248 | 2.4 | 2.3 | .9 | 4736 |
| 600 | | 101 | 3.4 | -3.3 | .6 | | 78 | 4.0 | -3.9 | -.8 | | 105 | 3.6 | -3.5 | .9 | | 310 | 1.5 | 1.2 | -1.0 | 4393 |
| 625 | | 114 | 3.9 | -3.6 | 1.6 | | 71 | 4.1 | -3.8 | -1.3 | | 96 | 3.6 | -3.6 | .4 | | 90 | .7 | -.7 | .0 | 4062 |
| 650 | | 94 | 5.3 | -5.3 | .4 | | 86 | 3.9 | -3.9 | -.3 | | 99 | 3.8 | -3.8 | .6 | | 104 | 2.1 | -2.0 | .5 | 3742 |
| 675 | | 69 | 7.5 | -7.0 | -2.7 | | 78 | 6.2 | -6.1 | -1.2 | | 87 | 3.8 | -3.8 | -.2 | | 85 | 4.1 | -4.1 | -.4 | 3431 |
| 700 | | 60 | 10.7 | -9.2 | -5.4 | | 61 | 7.9 | -6.9 | -3.8 | | 66 | 4.8 | -4.4 | -1.9 | | 76 | 6.3 | -6.1 | -1.6 | 3130 |
| 725 | | 64 | 11.4 | -10.3 | -5.0 | | 58 | 10.5 | -8.9 | -5.6 | | 70 | 7.6 | -7.2 | -2.6 | | 78 | 8.1 | -7.9 | -1.7 | 2837 |
| 750 | | 72 | 11.8 | -11.2 | -3.7 | | 65 | 12.7 | -11.5 | -5.3 | | 74 | 9.0 | -8.6 | -2.5 | | 85 | 8.8 | -8.7 | -.8 | 2553 |
| 775 | | 71 | 12.4 | -11.7 | -4.0 | | 73 | 13.9 | -13.3 | -4.0 | | 74 | 10.8 | -10.4 | -2.9 | | 86 | 9.4 | -9.4 | -.7 | 2276 |
| 800 | | 65 | 11.8 | -10.7 | -5.1 | | 80 | 13.5 | -13.3 | -2.4 | | 72 | 12.4 | -11.8 | -3.7 | | 81 | 11.3 | -11.1 | -1.9 | 2007 |
| 825 | | 54 | 9.9 | -8.1 | -5.8 | | 80 | 11.9 | -11.8 | -2.0 | | 70 | 12.3 | -11.5 | -4.2 | | 78 | 14.2 | -13.9 | -2.9 | 1745 |
| 850 | | 60 | 10.8 | -9.3 | -5.4 | | 72 | 11.0 | -10.5 | -3.4 | | 64 | 11.0 | -9.9 | -4.9 | | 79 | 15.9 | -15.6 | -3.1 | 1490 |
| 875 | | 74 | 10.9 | -10.4 | -3.1 | | 70 | 11.5 | -10.8 | -4.0 | | 65 | 9.4 | -8.5 | -4.0 | | 79 | 14.6 | -14.3 | -2.9 | 1242 |
| 900 | | 86 | 8.5 | -8.4 | -.6 | | 78 | 11.5 | -11.2 | -2.3 | | 82 | 9.7 | -9.6 | -1.4 | | 83 | 12.8 | -12.7 | -1.6 | 999 |
| 925 | | 102 | 7.0 | -6.8 | 1.5 | | 86 | 10.4 | -10.4 | -.8 | | 98 | 11.5 | -11.4 | 1.6 | | 93 | 12.5 | -12.5 | .7 | 762 |
| 950 | | 113 | 7.4 | -6.8 | 2.9 | | 92 | 9.6 | -9.6 | .3 | | 110 | 11.2 | -10.5 | 3.9 | | 105 | 12.2 | -11.8 | 3.1 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 104 | 8.9 | -8.7 | 2.1 | | 122 | 8.4 | -7.2 | 4.4 | | 115 | 10.1 | -9.2 | 4.3 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 1 12 5 GMT | | | | 4/ 1 15 5 GMT | | | | 4/ 1 1756 GMT | | | | 4/ 1 2035 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 254 | 19.2 | 18.5 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 237 | 9.1 | 7.6 | 4.9 | | 245 | 9.1 | 8.3 | 3.8 | | 241 | 15.5 | 13.5 | 7.5 | | 234 | 11.9 | 9.7 | 7.0 | 18589 |
| 80 | | 314 | 8.9 | 6.4 | -6.1 | | 307 | 11.5 | 9.2 | -6.9 | | 286 | 11.3 | 10.8 | -3.1 | | 290 | 10.8 | 10.1 | -3.7 | 17801 |
| 90 | | 205 | 12.9 | 5.4 | 11.7 | | 181 | 6.3 | .1 | 6.3 | | 303 | 5.0 | 4.2 | -2.7 | | 179 | 4.2 | -.1 | 4.2 | 17121 |
| 100 | | 219 | 25.1 | 15.8 | 19.5 | | 218 | 25.7 | 16.0 | 20.2 | | 192 | 15.2 | 3.2 | 14.8 | | 216 | 21.3 | 12.6 | 17.1 | 16521 |
| 110 | | 242 | 17.7 | 15.7 | 8.2 | | 234 | 21.1 | 17.2 | 12.3 | | 219 | 23.3 | 14.7 | 18.1 | | 240 | 21.0 | 18.3 | 10.4 | 15978 |
| 120 | | 274 | 21.0 | 21.0 | -1.3 | | 264 | 20.3 | 20.2 | 2.3 | | 241 | 19.5 | 17.1 | 9.3 | | 255 | 16.3 | 15.8 | 4.1 | 15479 |
| 130 | | 273 | 25.2 | 25.2 | -1.4 | | 273 | 22.3 | 22.3 | -1.3 | | 266 | 18.7 | 18.6 | 1.3 | | 268 | 16.5 | 16.5 | .6 | 15014 |
| 140 | | 281 | 25.9 | 25.4 | -4.8 | | 274 | 27.9 | 27.8 | -2.2 | | 267 | 24.2 | 24.1 | 1.4 | | 270 | 20.8 | 20.8 | .1 | 14578 |
| 150 | | 290 | 29.4 | 27.7 | -9.9 | | 272 | 30.9 | 30.9 | -.9 | | 260 | 29.5 | 29.1 | 4.9 | | 261 | 26.8 | 26.5 | 4.2 | 14167 |
| 160 | | 288 | 30.7 | 29.1 | -9.7 | | 273 | 30.4 | 30.4 | -1.6 | | 258 | 27.3 | 26.8 | 5.5 | | 257 | 27.1 | 26.5 | 6.1 | 13776 |
| 170 | | 284 | 29.8 | 28.9 | -7.1 | | 273 | 23.6 | 23.6 | -1.1 | | 265 | 26.1 | 26.0 | 2.1 | | 261 | 24.2 | 23.9 | 3.8 | 13404 |
| 180 | | 276 | 24.3 | 24.1 | -2.6 | | 276 | 22.0 | 21.9 | -2.4 | | 265 | 24.6 | 24.5 | 2.2 | | 260 | 22.0 | 21.7 | 3.9 | 13049 |
| 190 | | 274 | 22.7 | 22.6 | -1.7 | | 277 | 21.1 | 20.9 | -2.6 | | 261 | 22.2 | 22.0 | 3.3 | | 257 | 20.6 | 20.1 | 4.6 | 12709 |
| 200 | | 278 | 22.6 | 22.4 | -3.0 | | 273 | 20.7 | 20.7 | -1.1 | | 264 | 19.0 | 18.9 | 2.1 | | 253 | 20.4 | 19.5 | 5.9 | 12383 |
| 225 | | 288 | 19.3 | 18.3 | -6.0 | | 265 | 17.9 | 17.9 | 1.5 | | 257 | 13.2 | 12.8 | 3.1 | | 242 | 15.4 | 13.6 | 7.2 | 11617 |
| 250 | | 258 | 17.1 | 16.8 | 3.6 | | 258 | 14.1 | 13.8 | 3.0 | | 248 | 10.2 | 9.5 | 3.8 | | 237 | 7.9 | 6.6 | 4.3 | 10914 |
| 275 | | 259 | 17.5 | 17.1 | 3.3 | | 271 | 15.9 | 15.9 | -.2 | | 257 | 13.3 | 12.9 | 3.1 | | 245 | 11.9 | 10.8 | 4.9 | 10262 |
| 300 | | 248 | 16.2 | 15.0 | 6.1 | | 246 | 15.5 | 14.2 | 6.2 | | 253 | 14.9 | 14.2 | 4.5 | | 245 | 15.6 | 14.2 | 6.5 | 9654 |
| 325 | | 251 | 13.6 | 12.9 | 4.4 | | 242 | 13.3 | 11.7 | 6.3 | | 234 | 13.3 | 10.8 | 7.9 | | 235 | 13.0 | 10.7 | 7.4 | 9084 |
| 350 | | 271 | 13.4 | 13.4 | -.2 | | 267 | 13.9 | 13.8 | .6 | | 230 | 12.2 | 9.4 | 7.8 | | 224 | 14.5 | 10.1 | 10.4 | 8546 |
| 375 | | 279 | 12.7 | 12.6 | -1.9 | | 265 | 13.9 | 13.9 | 1.3 | | 255 | 13.9 | 13.4 | 3.6 | | 241 | 13.0 | 11.4 | 6.3 | 8039 |
| 400 | 3 | 260 | 9.6 | 9.4 | 1.7 | 3 | 254 | 11.3 | 10.9 | 3.1 | | 248 | 11.5 | 10.7 | 4.2 | | 235 | 10.3 | 8.5 | 6.0 | 7557 |
| 425 | | 218 | 9.3 | 5.7 | 7.3 | | 212 | 10.0 | 5.3 | 8.5 | | 234 | 11.3 | 9.2 | 6.6 | | 229 | 11.1 | 8.4 | 7.3 | 7099 |
| 450 | | 184 | 9.8 | .8 | 9.8 | | 189 | 9.2 | 1.5 | 9.1 | | 202 | 10.1 | 3.7 | 9.4 | | 208 | 9.3 | 4.3 | 8.2 | 6662 |
| 475 | | 210 | 7.0 | 3.5 | 6.1 | | 203 | 7.2 | 2.8 | 6.6 | | 188 | 7.9 | 1.1 | 7.8 | | 180 | 8.1 | .0 | 8.1 | 6244 |
| 500 | | 226 | 9.5 | 6.9 | 6.6 | | 225 | 8.4 | 6.0 | 6.0 | | 195 | 6.5 | 1.7 | 6.3 | | 195 | 7.2 | 1.9 | 7.0 | 5844 |
| 525 | | 211 | 9.1 | 4.6 | 7.8 | 2 | 227 | 9.1 | 6.7 | 6.2 | | 216 | 8.9 | 5.3 | 7.2 | | 200 | 7.6 | 2.6 | 7.1 | 5460 |
| 550 | | 216 | 6.6 | 3.9 | 5.4 | 2 | 225 | 7.6 | 5.4 | 5.3 | | 209 | 8.5 | 4.1 | 7.5 | | 215 | 6.8 | 3.9 | 5.6 | 5091 |
| 575 | | 237 | 4.3 | 3.7 | 2.3 | | 234 | 4.5 | 3.6 | 2.6 | | 223 | 5.6 | 3.8 | 4.1 | | 236 | 5.5 | 4.6 | 3.0 | 4736 |
| 600 | | 216 | 2.1 | 1.3 | 1.7 | | 201 | 2.2 | .8 | 2.0 | | 222 | 2.8 | 1.9 | 2.1 | | 179 | 1.8 | -.0 | 1.8 | 4393 |
| 625 | | 198 | 2.8 | .9 | 2.7 | | 172 | 3.0 | -.4 | 3.0 | | 181 | 3.0 | .1 | 3.0 | | 199 | 3.4 | 1.1 | 3.2 | 4062 |
| 650 | | 157 | 3.4 | -1.3 | 3.1 | | 129 | 3.6 | -2.8 | 2.3 | | 153 | 2.6 | -1.2 | 2.3 | | 140 | 1.9 | -1.2 | 1.4 | 3742 |
| 675 | 3 | 114 | 5.1 | -4.7 | 2.1 | | 99 | 7.1 | -7.0 | 1.1 | | 91 | 4.9 | -4.9 | .0 | | 81 | 4.0 | -3.9 | -.6 | 3431 |
| 700 | 2 | 104 | 9.1 | -8.8 | 2.2 | | 102 | 10.2 | -10.0 | 2.1 | | 87 | 9.2 | -9.1 | -.5 | | 77 | 8.1 | -7.9 | -1.9 | 3130 |
| 725 | 2 | 100 | 10.9 | -10.7 | 2.0 | | 106 | 12.4 | -11.8 | 3.5 | | 96 | 13.1 | -13.0 | 1.4 | | 86 | 12.4 | -12.4 | -.9 | 2837 |
| 750 | 2 | 93 | 13.8 | -13.8 | .7 | | 95 | 15.9 | -15.9 | 1.5 | | 96 | 15.6 | -15.5 | 1.6 | | 91 | 14.0 | -14.0 | .2 | 2553 |
| 775 | 2 | 83 | 15.6 | -15.5 | -1.9 | | 85 | 17.9 | -17.8 | -1.6 | | 88 | 15.6 | -15.6 | -.7 | | 83 | 13.6 | -13.5 | -1.7 | 2276 |
| 800 | 2 | 75 | 16.2 | -15.6 | -4.0 | | 83 | 17.9 | -17.8 | -2.0 | | 83 | 13.7 | -13.7 | -1.6 | | 78 | 14.6 | -14.3 | -3.1 | 2007 |
| 825 | 2 | 77 | 17.3 | -16.9 | -3.8 | | 85 | 17.9 | -17.8 | -1.5 | | 84 | 14.5 | -14.4 | -1.4 | | 79 | 16.0 | -15.7 | -3.1 | 1745 |
| 850 | 1 | 80 | 18.1 | -17.8 | -3.2 | | 78 | 18.5 | -18.1 | -4.0 | | 77 | 16.1 | -15.7 | -3.5 | | 73 | 16.0 | -15.3 | -4.7 | 1490 |
| 875 | | 80 | 17.8 | -17.5 | -3.0 | | 71 | 18.2 | -17.3 | -5.9 | | 75 | 10.7 | -10.3 | -2.8 | | 64 | 15.6 | -14.0 | -6.8 | 1242 |
| 900 | | 83 | 16.4 | -16.3 | -1.9 | | 74 | 15.8 | -15.2 | -4.5 | | 76 | 9.5 | -9.2 | -2.3 | | 63 | 14.8 | -13.2 | -6.6 | 999 |
| 925 | | 88 | 14.4 | -14.4 | -.4 | | 82 | 13.0 | -12.9 | -1.8 | | 79 | 9.8 | -9.7 | -1.9 | | 68 | 13.2 | -12.3 | -4.9 | 762 |
| 950 | | 92 | 12.0 | -11.9 | .5 | | 90 | 11.4 | -11.4 | .0 | | 82 | 8.9 | -8.9 | -1.2 | | 73 | 11.1 | -10.6 | -3.3 | 529 |
| 975 | | 95 | 9.6 | -9.6 | .9 | | 96 | 10.9 | -10.8 | 1.0 | | 86 | 7.6 | -7.6 | -.5 | | 76 | 9.5 | -9.2 | -2.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 1 2348 GMT | | | | 4/ 2 3 0 GMT | | | | 4/ 2 550 GMT | | | | 4/ 2 850 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 248 | 17.6 | 16.3 | 6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 239 | 16.9 | 14.4 | 8.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 239 | 15.7 | 13.5 | 8.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 290 | 12.3 | 11.5 | -4.3 | | 278 | 13.2 | 13.0 | -1.9 | | 258 | 10.8 | 10.6 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | | 270 | 2.0 | 2.0 | .0 | | 234 | 4.6 | 3.7 | 2.7 | | 276 | 4.7 | 4.7 | -.5 | | 215 | 20.5 | 11.7 | 16.9 | 17121 |
| 100 | | 208 | 18.8 | 8.9 | 16.5 | | 215 | 21.8 | 12.7 | 17.8 | | 211 | 22.4 | 11.7 | 19.1 | | 224 | 25.9 | 18.1 | 18.6 | 16521 |
| 110 | | 236 | 19.0 | 15.7 | 10.7 | | 231 | 21.5 | 16.7 | 13.5 | | 224 | 21.7 | 15.0 | 15.6 | | 240 | 20.1 | 17.3 | 10.1 | 15978 |
| 120 | | 257 | 16.9 | 16.5 | 3.8 | | 251 | 18.8 | 17.7 | 6.1 | | 244 | 18.6 | 16.7 | 8.1 | | 254 | 19.0 | 18.3 | 5.2 | 15479 |
| 130 | | 280 | 16.5 | 16.2 | -2.8 | | 278 | 17.7 | 17.5 | -2.5 | | 264 | 18.9 | 18.8 | 2.1 | | 230 | 20.6 | 15.9 | 13.1 | 15014 |
| 140 | | 286 | 18.6 | 17.9 | -5.2 | | 277 | 23.8 | 23.6 | -3.0 | | 268 | 21.4 | 21.4 | .8 | | 225 | 21.5 | 15.2 | 15.3 | 14578 |
| 150 | | 278 | 22.7 | 22.5 | -3.3 | | 261 | 24.3 | 24.1 | 3.7 | | 259 | 20.8 | 20.4 | 4.1 | | 238 | 21.3 | 18.0 | 11.4 | 14167 |
| 160 | | 270 | 27.6 | 27.6 | .2 | | 245 | 21.7 | 19.7 | 9.1 | | 249 | 20.9 | 19.6 | 7.4 | | 242 | 19.4 | 17.2 | 9.1 | 13776 |
| 170 | | 261 | 27.0 | 26.7 | 4.3 | | 244 | 19.4 | 17.4 | 8.6 | | 254 | 17.1 | 16.4 | 4.8 | | 246 | 16.9 | 15.4 | 6.8 | 13404 |
| 180 | | 256 | 22.3 | 21.7 | 5.3 | | 256 | 15.2 | 14.7 | 3.7 | | 267 | 12.3 | 12.3 | .6 | | 253 | 14.6 | 14.0 | 4.2 | 13049 |
| 190 | | 261 | 19.9 | 19.6 | 3.3 | | 259 | 12.2 | 11.9 | 2.3 | | 268 | 14.5 | 14.5 | .6 | | 254 | 12.6 | 12.1 | 3.4 | 12709 |
| 200 | | 265 | 19.2 | 19.1 | 1.8 | | 249 | 13.2 | 12.4 | 4.8 | | 258 | 16.3 | 16.0 | 3.4 | | 251 | 12.0 | 11.3 | 4.0 | 12383 |
| 225 | | 254 | 16.6 | 16.0 | 4.6 | | 233 | 14.6 | 11.8 | 8.7 | | 234 | 11.4 | 9.3 | 6.7 | | 188 | 9.7 | 1.3 | 9.6 | 11617 |
| 250 | | 234 | 11.9 | 9.6 | 7.0 | | 206 | 10.3 | 4.5 | 9.3 | | 181 | 13.2 | .2 | 13.2 | | 184 | 12.4 | .8 | 12.4 | 10914 |
| 275 | 3 | 228 | 11.6 | 8.6 | 7.8 | | 225 | 10.7 | 7.6 | 7.6 | | 204 | 10.6 | 4.3 | 9.7 | | 229 | 10.2 | 7.7 | 6.7 | 10262 |
| 300 | | 235 | 12.3 | 10.0 | 7.1 | | 238 | 13.9 | 11.7 | 7.5 | | 239 | 12.4 | 10.6 | 6.4 | | 242 | 12.1 | 10.7 | 5.7 | 9654 |
| 325 | | 237 | 11.2 | 9.4 | 6.2 | | 239 | 13.1 | 11.2 | 6.7 | | 248 | 14.2 | 13.1 | 5.4 | | 246 | 15.4 | 14.0 | 6.4 | 9084 |
| 350 | | 211 | 14.1 | 7.3 | 12.1 | | 214 | 14.9 | 8.5 | 12.3 | | 226 | 14.8 | 10.7 | 10.2 | | 235 | 15.4 | 12.5 | 8.9 | 8546 |
| 375 | | 227 | 12.3 | 9.0 | 8.3 | | 222 | 14.9 | 10.0 | 11.0 | | 228 | 16.7 | 12.5 | 11.0 | | 235 | 16.1 | 13.2 | 9.3 | 8039 |
| 400 | | 225 | 10.2 | 7.2 | 7.3 | | 227 | 12.5 | 9.1 | 8.5 | | 231 | 15.1 | 11.8 | 9.5 | | 239 | 13.9 | 11.9 | 7.2 | 7557 |
| 425 | | 220 | 11.8 | 7.5 | 9.1 | | 221 | 12.1 | 7.9 | 9.2 | | 238 | 12.1 | 10.3 | 6.4 | | 238 | 12.7 | 10.8 | 6.7 | 7099 |
| 450 | | 200 | 9.5 | 3.3 | 8.9 | | 206 | 11.5 | 5.1 | 10.3 | | 219 | 10.2 | 6.5 | 7.9 | | 220 | 7.3 | 4.7 | 5.6 | 6662 |
| 475 | | 185 | 7.3 | .6 | 7.2 | | 197 | 7.1 | 2.0 | 6.8 | | 199 | 6.8 | 2.2 | 6.4 | | 261 | 5.2 | 5.1 | .8 | 6244 |
| 500 | | 191 | 5.6 | 1.1 | 5.5 | | 201 | 4.0 | 1.4 | 3.7 | | 221 | 3.6 | 2.4 | 2.7 | | 268 | 3.5 | 3.5 | .1 | 5844 |
| 525 | | 177 | 7.0 | -.3 | 7.0 | | 182 | 4.9 | .2 | 4.9 | | 161 | 2.8 | -.9 | 2.6 | | 184 | 1.0 | .1 | 1.0 | 5460 |
| 550 | | 179 | 6.9 | -.1 | 6.9 | | 172 | 5.0 | -.7 | 4.9 | | 155 | 5.1 | -2.1 | 4.6 | | 303 | 4.3 | 3.6 | -2.4 | 5091 |
| 575 | | 219 | 4.6 | 2.9 | 3.6 | | 231 | 4.2 | 3.3 | 2.7 | | 231 | 4.4 | 3.5 | 2.8 | | 305 | 6.0 | 5.0 | -3.4 | 4736 |
| 600 | | 225 | 3.1 | 2.2 | 2.2 | | 274 | 4.2 | 4.2 | -.3 | | 281 | 1.8 | 1.8 | -.4 | | 325 | 3.9 | 2.2 | -3.2 | 4393 |
| 625 | | 214 | 2.3 | 1.2 | 1.9 | | 298 | 2.4 | 2.1 | -1.1 | | 171 | .3 | -.0 | .3 | | 330 | 2.0 | 1.0 | -1.7 | 4062 |
| 650 | | 217 | 2.1 | 1.3 | 1.7 | | 286 | 2.2 | 2.1 | -.6 | | 13 | .2 | -.1 | -.2 | | 21 | 1.2 | -.4 | -1.1 | 3742 |
| 675 | | 102 | 1.1 | -1.1 | .2 | | 12 | 1.7 | -.3 | -1.6 | | 49 | 5.2 | -4.0 | -3.4 | | 57 | 4.9 | -4.1 | -2.6 | 3431 |
| 700 | | 80 | 5.0 | -4.9 | -.9 | | 55 | 5.9 | -4.8 | -3.4 | | 59 | 8.0 | -6.9 | -4.1 | | 66 | 8.7 | -8.0 | -3.5 | 3130 |
| 725 | | 93 | 8.3 | -8.3 | .5 | | 66 | 8.0 | -7.4 | -3.3 | | 73 | 9.2 | -8.8 | -2.6 | | 79 | 10.8 | -10.6 | -2.0 | 2837 |
| 750 | | 96 | 9.9 | -9.8 | 1.0 | | 86 | 10.0 | -10.0 | -.6 | | 86 | 10.8 | -10.8 | -.8 | | 87 | 10.9 | -10.9 | -.6 | 2553 |
| 775 | | 80 | 10.6 | -10.4 | -1.8 | | 87 | 11.7 | -11.7 | -.6 | | 77 | 12.3 | -12.0 | -2.9 | | 72 | 11.5 | -11.0 | -3.6 | 2276 |
| 800 | | 72 | 13.3 | -12.7 | -4.1 | | 72 | 12.8 | -12.2 | -3.9 | | 66 | 13.3 | -12.1 | -5.5 | | 76 | 12.5 | -12.2 | -2.9 | 2007 |
| 825 | | 71 | 14.9 | -14.1 | -4.9 | | 68 | 12.7 | -11.8 | -4.7 | | 72 | 12.5 | -11.8 | -3.9 | | 86 | 14.8 | -14.8 | -1.1 | 1745 |
| 850 | | 65 | 14.1 | -12.8 | -5.9 | | 73 | 11.9 | -11.3 | -3.5 | | 81 | 12.6 | -12.5 | -1.9 | | 82 | 14.7 | -14.6 | -1.9 | 1490 |
| 875 | | 59 | 13.8 | -11.8 | -7.1 | | 70 | 11.6 | -10.9 | -3.9 | | 82 | 12.6 | -12.4 | -1.8 | | 77 | 11.6 | -11.3 | -2.7 | 1242 |
| 900 | | 59 | 13.9 | -11.9 | -7.2 | | 66 | 11.6 | -10.5 | -4.8 | | 79 | 12.3 | -12.0 | -2.4 | | 77 | 10.7 | -10.4 | -2.4 | 999 |
| 925 | | 61 | 12.0 | -10.5 | -5.9 | | 70 | 10.0 | -9.4 | -3.4 | | 78 | 11.5 | -11.3 | -2.4 | | 85 | 11.1 | -11.1 | -1.0 | 762 |
| 950 | | 62 | 8.8 | -7.7 | -4.2 | | 76 | 7.7 | -7.5 | -1.8 | | 86 | 9.0 | -9.0 | -.6 | | 97 | 10.5 | -10.4 | 1.3 | 529 |
| 975 | | 62 | 6.9 | -6.1 | -3.2 | | 69 | 7.2 | -6.8 | -2.6 | | 94 | 7.7 | -7.7 | .6 | | 105 | 9.6 | -9.3 | 2.5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 2 12 6 GMT | | | | 4/ 2 1846 GMT | | | | 4/ 2 2346 GMT | | | | 4/ 3 6 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 272 | 18.2 | 18.2 | -.7 | 0 0 | 0.0 | 0.0 | 0.0 | 260 | 19.9 | 19.6 | 3.5 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 249 | 14.0 | 13.1 | 5.0 | 273 | 16.1 | 16.1 | -.8 | 283 | 18.7 | 18.3 | -4.1 | 248 | 17.8 | 16.5 | 6.8 | 18589 |
| 80 | 250 | 14.6 | 13.7 | 4.9 | 268 | 16.3 | 16.3 | .6 | 274 | 18.2 | 18.2 | -1.4 | 288 | 23.1 | 22.0 | -7.1 | 17801 |
| 90 | 302 | 13.1 | 11.1 | -7.0 | 300 | 16.1 | 13.9 | -8.1 | 300 | 22.5 | 19.5 | -11.2 | 270 | 15.3 | 15.3 | .1 | 17121 |
| 100 | 225 | 15.8 | 11.1 | 11.2 | 223 | 15.7 | 10.6 | 11.5 | 229 | 14.8 | 11.1 | 9.7 | 242 | 31.6 | 27.9 | 15.0 | 16521 |
| 110 | 228 | 28.9 | 21.4 | 19.5 | 233 | 32.5 | 25.8 | 19.8 | 233 | 32.0 | 25.5 | 19.3 | 247 | 37.8 | 34.7 | 14.9 | 15978 |
| 120 | 237 | 27.5 | 22.9 | 15.1 | 240 | 35.9 | 31.2 | 17.7 | 240 | 36.8 | 31.9 | 18.5 | 252 | 35.9 | 34.3 | 10.9 | 15479 |
| 130 | 243 | 23.6 | 21.1 | 10.6 | 247 | 29.9 | 27.4 | 11.9 | 251 | 32.6 | 30.9 | 10.6 | 253 | 31.8 | 30.5 | 9.1 | 15014 |
| 140 | 244 | 22.4 | 20.2 | 9.7 | 251 | 26.7 | 25.2 | 8.8 | 249 | 31.6 | 29.6 | 11.1 | 246 | 29.8 | 27.3 | 11.9 | 14578 |
| 150 | 242 | 24.9 | 21.9 | 11.8 | 252 | 26.0 | 24.8 | 7.9 | 243 | 32.7 | 29.2 | 14.7 | 249 | 23.6 | 22.0 | 8.5 | 14167 |
| 160 | 235 | 23.4 | 19.1 | 13.6 | 256 | 26.9 | 26.1 | 6.7 | 246 | 29.5 | 26.9 | 12.1 | 248 | 20.3 | 18.7 | 7.7 | 13776 |
| 170 | 231 | 19.3 | 15.0 | 12.1 | 255 | 26.9 | 26.0 | 6.9 | 247 | 28.1 | 26.0 | 10.8 | 246 | 19.7 | 17.9 | 8.1 | 13404 |
| 180 | 235 | 14.9 | 12.3 | 8.5 | 249 | 25.6 | 24.0 | 9.0 | 247 | 25.3 | 23.3 | 9.7 | 249 | 18.8 | 17.6 | 6.7 | 13049 |
| 190 | 248 | 12.1 | 11.2 | 4.6 | 244 | 23.9 | 21.4 | 10.6 | 248 | 20.7 | 19.3 | 7.6 | 245 | 16.6 | 15.0 | 7.0 | 12709 |
| 200 | 245 | 10.0 | 9.0 | 4.3 | 235 | 19.2 | 15.7 | 11.0 | 243 | 18.9 | 16.9 | 8.5 | 228 | 14.8 | 11.0 | 9.8 | 12383 |
| 225 | 183 | 8.3 | .4 | 8.3 | 205 | 8.7 | 3.7 | 7.9 | 201 | 12.8 | 4.7 | 11.9 | 181 | 17.2 | .2 | 17.2 | 11617 |
| 250 | 165 | 16.0 | -4.1 | 15.5 | 164 | 11.6 | -3.2 | 11.1 | 182 | 13.8 | .5 | 13.8 | 184 | 13.2 | .8 | 13.2 | 10914 |
| 275 | 218 | 8.5 | 5.2 | 6.7 | 176 | 11.4 | -.9 | 11.4 | 164 | 9.6 | -2.7 | 9.2 | 177 | 12.9 | -.8 | 12.9 | 10262 |
| 300 | 246 | 9.3 | 8.6 | 3.7 | 202 | 6.2 | 2.3 | 5.8 | 184 | 9.4 | .7 | 9.4 | 202 | 5.5 | 2.1 | 5.1 | 9654 |
| 325 | 250 | 13.3 | 12.5 | 4.6 | 237 | 7.7 | 6.4 | 4.1 | 215 | 6.2 | 3.6 | 5.1 | 237 | 5.0 | 4.2 | 2.7 | 9084 |
| 350 | 251 | 15.0 | 14.2 | 4.9 | 246 | 13.1 | 11.9 | 5.4 | 249 | 10.2 | 9.5 | 3.7 | 249 | 10.7 | 10.0 | 3.8 | 8546 |
| 375 | 235 | 15.8 | 13.0 | 9.1 | 238 | 13.7 | 11.7 | 7.2 | 251 | 14.5 | 13.7 | 4.7 | 257 | 14.6 | 14.3 | 3.2 | 8039 |
| 400 | 230 | 13.3 | 10.2 | 8.5 | 237 | 10.7 | 9.0 | 5.8 | 3 250 | 11.2 | 10.5 | 3.9 | 249 | 14.5 | 13.6 | 5.3 | 7557 |
| 425 | 236 | 13.3 | 11.1 | 7.4 | 235 | 10.7 | 8.7 | 6.2 | 258 | 10.8 | 10.6 | 2.3 | 244 | 11.2 | 10.1 | 4.9 | 7099 |
| 450 | 208 | 9.8 | 4.6 | 8.6 | 232 | 9.3 | 7.3 | 5.8 | 251 | 7.6 | 7.2 | 2.5 | 256 | 7.8 | 7.6 | 1.9 | 6662 |
| 475 | 210 | 6.9 | 3.5 | 6.0 | 199 | 6.4 | 2.1 | 6.1 | 232 | 5.2 | 4.1 | 3.2 | 220 | 6.2 | 4.0 | 4.7 | 6244 |
| 500 | 220 | 5.6 | 3.6 | 4.3 | 218 | 3.3 | 2.0 | 2.6 | 206 | 4.0 | 1.8 | 3.6 | 297 | 5.3 | 4.7 | -2.5 | 5844 |
| 525 | 206 | 4.2 | 1.9 | 3.8 | 259 | 2.5 | 2.5 | .5 | 257 | 3.1 | 3.0 | .7 | 269 | 3.3 | 3.3 | .1 | 5460 |
| 550 | 278 | 3.0 | 3.0 | -.4 | 249 | 1.6 | 1.5 | .6 | 283 | 3.3 | 3.3 | -.8 | 304 | 4.1 | 3.4 | -2.3 | 5091 |
| 575 | 313 | 7.1 | 5.2 | -4.8 | 329 | 3.1 | 1.6 | -2.6 | 317 | 3.0 | 2.0 | -2.2 | 330 | 3.0 | 1.5 | -2.6 | 4736 |
| 600 | 322 | 6.3 | 3.9 | -4.9 | 357 | 5.6 | .3 | -5.6 | 350 | 3.9 | .6 | -3.9 | 43 | 3.7 | -2.6 | -2.7 | 4393 |
| 625 | 341 | 4.5 | 1.5 | -4.2 | 10 | 6.2 | -1.1 | -6.1 | 23 | 4.0 | -1.5 | -3.7 | 41 | 3.9 | -2.6 | -2.9 | 4062 |
| 650 | 5 | 2.5 | -.2 | -2.5 | 17 | 5.2 | -1.5 | -5.0 | 7 | 3.3 | -.4 | -3.3 | 8 | 1.6 | -.2 | -1.6 | 3742 |
| 675 | 19 | 2.2 | -.7 | -2.1 | 46 | 3.5 | -2.6 | -2.4 | 338 | 1.1 | .4 | -1.0 | 79 | 2.6 | -2.5 | -.5 | 3431 |
| 700 | 50 | 4.4 | -3.4 | -2.8 | 77 | 3.5 | -3.4 | -.8 | 106 | 2.7 | -2.6 | .7 | 100 | 5.2 | -5.1 | .9 | 3130 |
| 725 | 75 | 7.4 | -7.1 | -2.0 | 97 | 4.3 | -4.2 | .5 | 109 | 6.8 | -6.4 | 2.2 | 95 | 10.7 | -10.7 | 1.0 | 2837 |
| 750 | 92 | 8.6 | -8.6 | .3 | 115 | 5.9 | -5.3 | 2.5 | 98 | 8.5 | -8.4 | 1.3 | 90 | 12.5 | -12.5 | .1 | 2553 |
| 775 | 75 | 9.5 | -9.2 | -2.5 | 94 | 7.7 | -7.7 | .5 | 91 | 8.4 | -8.4 | .1 | 90 | 9.5 | -9.5 | .0 | 2276 |
| 800 | 69 | 10.7 | -10.0 | -3.8 | 89 | 11.3 | -11.3 | -.2 | 99 | 10.8 | -10.7 | 1.7 | 89 | 8.7 | -8.7 | -.1 | 2007 |
| 825 | 81 | 12.2 | -12.1 | -2.0 | 94 | 12.7 | -12.6 | 1.0 | 99 | 12.1 | -12.0 | 1.9 | 82 | 10.0 | -9.9 | -1.4 | 1745 |
| 850 | 81 | 12.7 | -12.6 | -2.0 | 90 | 11.8 | -11.8 | .0 | 85 | 10.3 | -10.3 | -.8 | 75 | 9.7 | -9.4 | -2.5 | 1490 |
| 875 | 74 | 10.7 | -10.3 | -3.0 | 82 | 11.1 | -11.0 | -1.6 | 76 | 10.7 | -10.4 | -2.6 | 76 | 8.7 | -8.5 | -2.1 | 1242 |
| 900 | 74 | 9.4 | -9.0 | -2.6 | 76 | 10.6 | -10.3 | -2.6 | 79 | 10.9 | -10.7 | -2.1 | 80 | 8.9 | -8.8 | -1.6 | 999 |
| 925 | 82 | 9.9 | -9.8 | -1.3 | 74 | 9.7 | -9.3 | -2.6 | 81 | 9.5 | -9.4 | -1.5 | 93 | 7.0 | -7.0 | .3 | 762 |
| 950 | 89 | 9.8 | -9.8 | -.2 | 78 | 8.8 | -8.6 | -1.8 | 84 | 8.4 | -8.4 | -.9 | 120 | 6.2 | -5.4 | 3.1 | 529 |
| 975 | 94 | 8.5 | -8.5 | .6 | 83 | 8.0 | -8.0 | -.9 | 92 | 7.5 | -7.5 | .3 | 88 | 5.8 | -5.8 | -.2 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 3 1229 GMT | | | | 4/ 3 1455 GMT | | | | 4/ 3 1744 GMT | | | | 4/ 3 2034 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 268 | 17.1 | 17.1 | .6 | | 264 | 20.1 | 20.0 | 2.2 | | 274 | 16.5 | 16.5 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | | 259 | 14.6 | 14.4 | 2.8 | | 263 | 17.7 | 17.6 | 2.3 | | 267 | 12.0 | 12.0 | .7 | | 279 | 18.6 | 18.4 | -2.8 | 17801 |
| 90 | | 281 | 22.6 | 22.2 | -4.4 | | 278 | 21.2 | 21.0 | -3.0 | | 273 | 22.1 | 22.1 | -1.2 | | 285 | 23.5 | 22.7 | -6.0 | 17121 |
| 100 | | 248 | 14.5 | 13.4 | 5.4 | | 264 | 13.4 | 13.4 | 1.4 | | 271 | 19.2 | 19.2 | -.4 | | 262 | 16.0 | 15.9 | 2.3 | 16521 |
| 110 | | 247 | 23.8 | 21.8 | 9.5 | | 249 | 24.0 | 22.4 | 8.7 | | 258 | 14.8 | 14.5 | 3.0 | | 255 | 14.2 | 13.7 | 3.7 | 15978 |
| 120 | | 255 | 33.2 | 32.2 | 8.3 | | 258 | 34.4 | 33.6 | 7.2 | | 256 | 30.2 | 29.3 | 7.3 | | 257 | 29.9 | 29.2 | 6.7 | 15479 |
| 130 | | 257 | 35.9 | 34.9 | 8.2 | | 259 | 33.8 | 33.2 | 6.6 | | 257 | 32.6 | 31.7 | 7.3 | | 255 | 34.8 | 33.6 | 9.1 | 15014 |
| 140 | | 254 | 35.2 | 33.9 | 9.6 | | 256 | 36.0 | 35.0 | 8.4 | | 257 | 35.6 | 34.6 | 8.1 | | 249 | 34.4 | 32.1 | 12.4 | 14578 |
| 150 | | 253 | 35.7 | 34.1 | 10.6 | | 253 | 39.6 | 37.9 | 11.3 | | 255 | 40.2 | 38.9 | 10.3 | | 250 | 34.7 | 32.7 | 11.9 | 14167 |
| 160 | | 256 | 33.9 | 32.9 | 8.0 | | 258 | 34.7 | 33.9 | 7.4 | | 253 | 38.0 | 36.3 | 11.2 | | 248 | 32.8 | 30.5 | 12.0 | 13776 |
| 170 | | 254 | 28.7 | 27.6 | 7.9 | | 255 | 33.0 | 31.9 | 8.5 | | 254 | 30.9 | 29.8 | 8.3 | | 246 | 28.9 | 26.3 | 11.9 | 13404 |
| 180 | | 249 | 25.4 | 23.8 | 8.9 | | 252 | 28.2 | 26.7 | 8.8 | | 259 | 28.7 | 28.2 | 5.6 | | 252 | 25.8 | 24.4 | 8.2 | 13049 |
| 190 | | 248 | 25.0 | 23.3 | 9.2 | | 249 | 24.0 | 22.4 | 8.7 | | 261 | 26.3 | 26.0 | 3.9 | | 254 | 24.1 | 23.2 | 6.4 | 12709 |
| 200 | | 245 | 22.5 | 20.5 | 9.3 | | 245 | 21.2 | 19.1 | 9.1 | | 257 | 22.6 | 22.0 | 5.3 | | 252 | 22.6 | 21.5 | 6.9 | 12383 |
| 225 | | 204 | 19.1 | 7.7 | 17.5 | | 210 | 17.4 | 8.6 | 15.1 | | 226 | 15.3 | 11.0 | 10.5 | | 237 | 17.1 | 14.4 | 9.2 | 11617 |
| 250 | | 185 | 21.9 | 1.8 | 21.8 | | 186 | 20.8 | 2.2 | 20.7 | | 195 | 19.1 | 4.9 | 18.4 | | 201 | 19.4 | 6.9 | 18.1 | 10914 |
| 275 | | 180 | 16.0 | -.1 | 16.0 | | 183 | 16.0 | .8 | 16.0 | | 196 | 16.7 | 4.5 | 16.1 | | 202 | 17.1 | 6.3 | 15.9 | 10262 |
| 300 | | 181 | 11.8 | .2 | 11.8 | | 189 | 11.5 | 1.8 | 11.4 | | 192 | 12.3 | 2.6 | 12.0 | | 192 | 13.9 | 2.8 | 13.6 | 9654 |
| 325 | | 207 | 7.4 | 3.3 | 6.6 | | 230 | 6.0 | 4.6 | 3.8 | | 242 | 6.5 | 5.7 | 3.1 | | 211 | 8.8 | 4.5 | 7.5 | 9084 |
| 350 | | 224 | 9.9 | 7.0 | 7.1 | | 238 | 9.3 | 7.9 | 4.9 | | 245 | 10.9 | 9.8 | 4.6 | | 250 | 9.8 | 9.3 | 3.3 | 8546 |
| 375 | | 247 | 15.2 | 13.9 | 6.0 | | 249 | 12.7 | 11.9 | 4.5 | | 258 | 12.2 | 11.9 | 2.6 | | 258 | 13.2 | 12.9 | 2.7 | 8039 |
| 400 | | 247 | 14.9 | 13.7 | 5.8 | | 254 | 16.9 | 16.3 | 4.5 | | 257 | 14.2 | 13.8 | 3.2 | | 264 | 16.6 | 16.5 | 1.8 | 7557 |
| 425 | | 258 | 11.8 | 11.5 | 2.5 | | 268 | 9.7 | 9.7 | .3 | | 257 | 12.0 | 11.7 | 2.8 | | 260 | 13.6 | 13.4 | 2.4 | 7099 |
| 450 | | 261 | 10.0 | 9.8 | 1.5 | | 274 | 12.4 | 12.4 | -.8 | | 275 | 10.7 | 10.7 | -.9 | | 270 | 11.9 | 11.9 | -.0 | 6662 |
| 475 | | 256 | 6.7 | 6.5 | 1.6 | | 272 | 7.5 | 7.5 | -.2 | | 275 | 9.8 | 9.8 | -.9 | | 264 | 9.8 | 9.7 | 1.1 | 6244 |
| 500 | | 269 | 6.6 | 6.6 | .1 | | 285 | 7.2 | 6.9 | -1.9 | | 279 | 6.4 | 6.3 | -1.0 | | 276 | 6.1 | 6.1 | -.7 | 5844 |
| 525 | | 268 | 5.3 | 5.3 | .2 | | 291 | 5.6 | 5.2 | -2.0 | | 287 | 5.2 | 4.9 | -1.5 | | 292 | 7.4 | 6.9 | -2.8 | 5460 |
| 550 | | 278 | 4.2 | 4.2 | -.6 | | 293 | 4.9 | 4.6 | -1.9 | | 300 | 5.0 | 4.3 | -2.4 | | 303 | 7.1 | 6.0 | -3.8 | 5091 |
| 575 | | 315 | 3.0 | 2.1 | -2.1 | | 304 | 3.3 | 2.8 | -1.8 | | 312 | 5.6 | 4.1 | -3.7 | | 329 | 5.5 | 2.8 | -4.8 | 4736 |
| 600 | | 37 | 3.4 | -2.1 | -2.8 | | 5 | 2.7 | -.2 | -2.6 | | 345 | 2.9 | .8 | -2.8 | | 330 | 2.6 | 1.3 | -2.3 | 4393 |
| 625 | | 44 | 3.7 | -2.6 | -2.7 | | 47 | 5.9 | -4.3 | -4.0 | | 40 | 5.3 | -3.4 | -4.0 | | 43 | 2.2 | -1.5 | -1.6 | 4062 |
| 650 | | 32 | 2.3 | -1.2 | -2.0 | | 48 | 5.0 | -3.7 | -3.3 | | 48 | 4.8 | -3.6 | -3.2 | | 70 | 2.3 | -2.2 | -.8 | 3742 |
| 675 | | 61 | 3.0 | -2.6 | -1.4 | | 69 | 2.7 | -2.5 | -.9 | | 69 | 2.2 | -2.1 | -.8 | | 134 | .9 | -.7 | .6 | 3431 |
| 700 | | 87 | 4.8 | -4.8 | -.2 | | 100 | 4.9 | -4.8 | .9 | | 95 | 3.8 | -3.8 | .3 | | 115 | 2.5 | -2.3 | 1.1 | 3130 |
| 725 | | 102 | 7.0 | -6.9 | 1.5 | | 102 | 6.5 | -6.4 | 1.3 | | 105 | 7.0 | -6.8 | 1.8 | | 103 | 6.5 | -6.4 | 1.4 | 2837 |
| 750 | | 97 | 7.9 | -7.9 | 1.0 | | 104 | 9.0 | -8.7 | 2.2 | | 102 | 9.7 | -9.5 | 2.0 | | 100 | 9.4 | -9.2 | 1.6 | 2553 |
| 775 | | 86 | 7.2 | -7.2 | -.5 | | 97 | 11.1 | -11.0 | 1.3 | | 94 | 11.0 | -10.9 | .9 | | 95 | 11.4 | -11.3 | .9 | 2276 |
| 800 | | 85 | 7.6 | -7.5 | -.6 | | 85 | 7.8 | -7.8 | -.7 | | 89 | 9.9 | -9.9 | -.1 | | 83 | 10.8 | -10.8 | -1.3 | 2007 |
| 825 | | 90 | 8.8 | -8.8 | .0 | | 85 | 5.6 | -5.6 | -.5 | | 82 | 8.1 | -8.0 | -1.1 | | 81 | 10.3 | -10.2 | -1.5 | 1745 |
| 850 | | 94 | 9.4 | -9.3 | .7 | | 98 | 4.8 | -4.8 | .7 | | 86 | 6.7 | -6.7 | -.4 | | 84 | 10.4 | -10.4 | -1.1 | 1490 |
| 875 | | 95 | 7.8 | -7.7 | .7 | | 112 | 4.5 | -4.2 | 1.7 | | 98 | 5.6 | -5.6 | .8 | | 79 | 8.3 | -8.2 | -1.6 | 1242 |
| 900 | | 92 | 5.1 | -5.1 | .2 | | 125 | 4.1 | -3.3 | 2.3 | | 108 | 5.3 | -5.0 | 1.6 | | 82 | 6.2 | -6.2 | -.9 | 999 |
| 925 | | 86 | 3.7 | -3.7 | -.3 | | 138 | 4.2 | -2.8 | 3.2 | | 114 | 6.0 | -5.5 | 2.5 | | 92 | 7.2 | -7.2 | .3 | 762 |
| 950 | | 84 | 3.3 | -3.3 | -.3 | | 150 | 5.1 | -2.5 | 4.4 | | 120 | 6.3 | -5.5 | 3.1 | | 97 | 8.0 | -7.9 | .9 | 529 |
| 975 | | 95 | 2.2 | -2.1 | .2 | | 166 | 5.2 | -1.3 | 5.0 | | 129 | 4.3 | -3.4 | 2.7 | | 102 | 6.6 | -6.5 | 1.4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 4 015 GMT | | | | 4/ 4 310 GMT | | | | 4/ 4 730 GMT | | | | 4/ 4 1146 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 255 | 18.9 | 18.3 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 15.6 | 15.1 | 4.0 | 19517 |
| 70 | | 279 | 13.5 | 13.3 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 250 | 15.9 | 15.0 | 5.3 | | 251 | 19.1 | 18.0 | 6.4 | 18589 |
| 80 | | 281 | 16.8 | 16.5 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 18.4 | 18.2 | 3.0 | | 259 | 15.0 | 14.8 | 2.8 | 17801 |
| 90 | | 303 | 23.3 | 19.6 | -12.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 16.0 | 15.8 | 2.7 | | 297 | 24.8 | 22.0 | -11.4 | 17121 |
| 100 | | 264 | 14.1 | 14.0 | 1.6 | | 270 | 15.2 | 15.2 | -.1 | | 269 | 15.9 | 15.9 | .3 | | 296 | 25.3 | 22.8 | -11.0 | 16521 |
| 110 | | 258 | 17.8 | 17.4 | 3.8 | | 270 | 24.2 | 24.2 | -.0 | | 310 | 22.0 | 17.0 | -14.1 | | 283 | 21.7 | 21.2 | -4.7 | 15978 |
| 120 | | 259 | 29.0 | 28.5 | 5.3 | | 253 | 29.7 | 28.4 | 8.8 | | 288 | 15.5 | 14.7 | -4.8 | 0 | 259 | 25.1 | 24.6 | 5.0 | 15479 |
| 130 | | 255 | 36.9 | 35.6 | 9.4 | | 255 | 34.5 | 33.3 | 9.2 | | 259 | 31.2 | 30.6 | 6.1 | 0 | 250 | 28.2 | 26.5 | 9.6 | 15014 |
| 140 | | 252 | 31.3 | 29.7 | 9.7 | | 250 | 33.0 | 31.0 | 11.4 | | 262 | 30.6 | 30.3 | 4.1 | 1 | 258 | 27.3 | 26.6 | 5.8 | 14578 |
| 150 | | 256 | 30.1 | 29.2 | 7.0 | | 247 | 30.0 | 27.5 | 11.9 | | 256 | 26.3 | 25.5 | 6.3 | | 261 | 27.3 | 27.0 | 4.1 | 14167 |
| 160 | | 258 | 29.7 | 29.0 | 6.4 | | 253 | 27.9 | 26.7 | 7.9 | | 253 | 25.7 | 24.5 | 7.7 | | 254 | 27.6 | 26.6 | 7.5 | 13776 |
| 170 | | 258 | 27.7 | 27.0 | 5.9 | | 260 | 28.0 | 27.6 | 4.7 | | 256 | 27.0 | 26.1 | 6.7 | | 248 | 24.6 | 22.7 | 9.3 | 13404 |
| 180 | | 265 | 26.2 | 26.1 | 2.5 | | 261 | 26.6 | 26.3 | 4.3 | | 263 | 26.6 | 26.4 | 3.4 | | 245 | 19.3 | 17.5 | 8.3 | 13049 |
| 190 | | 267 | 21.4 | 21.4 | 1.0 | | 261 | 24.6 | 24.3 | 3.9 | | 264 | 21.7 | 21.6 | 2.4 | | 251 | 18.6 | 17.5 | 6.2 | 12709 |
| 200 | | 261 | 23.2 | 22.9 | 3.8 | | 259 | 21.7 | 21.3 | 4.3 | | 259 | 20.4 | 20.1 | 3.8 | | 258 | 18.8 | 18.4 | 4.0 | 12383 |
| 225 | | 241 | 21.4 | 18.7 | 10.5 | | 245 | 17.1 | 15.5 | 7.1 | | 239 | 18.7 | 16.0 | 9.5 | | 225 | 14.6 | 10.4 | 10.2 | 11617 |
| 250 | | 213 | 17.4 | 9.5 | 14.6 | | 214 | 15.7 | 8.7 | 13.0 | | 208 | 14.7 | 7.0 | 12.9 | | 205 | 12.8 | 5.4 | 11.7 | 10914 |
| 275 | | 207 | 18.4 | 8.5 | 16.4 | | 213 | 16.5 | 9.0 | 13.9 | | 209 | 17.8 | 8.5 | 15.7 | | 201 | 15.6 | 5.5 | 14.6 | 10262 |
| 300 | | 202 | 15.0 | 5.6 | 14.0 | | 210 | 17.5 | 8.7 | 15.2 | | 205 | 15.6 | 6.6 | 14.1 | | 208 | 15.7 | 7.5 | 13.8 | 9654 |
| 325 | | 210 | 11.0 | 5.6 | 9.4 | | 210 | 14.2 | 7.1 | 12.2 | | 205 | 14.3 | 6.1 | 12.9 | | 208 | 13.0 | 6.1 | 11.5 | 9084 |
| 350 | | 252 | 7.5 | 7.1 | 2.3 | | 245 | 8.7 | 7.8 | 3.7 | | 225 | 10.0 | 7.1 | 7.1 | | 246 | 10.6 | 9.6 | 4.4 | 8546 |
| 375 | | 259 | 12.0 | 11.8 | 2.3 | | 253 | 12.4 | 11.8 | 3.5 | | 251 | 12.4 | 11.7 | 4.1 | | 251 | 12.4 | 11.8 | 4.0 | 8039 |
| 400 | | 267 | 17.5 | 17.4 | .9 | | 270 | 19.7 | 19.7 | -.1 | | 269 | 18.9 | 18.9 | .3 | | 264 | 18.2 | 18.1 | 1.8 | 7557 |
| 425 | | 265 | 16.8 | 16.7 | 1.5 | | 267 | 19.7 | 19.7 | 1.0 | | 268 | 18.3 | 18.3 | .5 | | 266 | 16.1 | 16.1 | 1.2 | 7099 |
| 450 | | 266 | 12.9 | 12.9 | .9 | | 262 | 14.1 | 13.9 | 2.0 | | 257 | 12.8 | 12.5 | 2.8 | | 278 | 14.2 | 14.1 | -2.0 | 6662 |
| 475 | | 267 | 12.9 | 12.9 | .6 | | 266 | 10.6 | 10.6 | .7 | | 275 | 12.4 | 12.3 | -1.2 | | 284 | 14.1 | 13.7 | -3.5 | 6244 |
| 500 | | 263 | 6.9 | 6.9 | .9 | | 266 | 7.9 | 7.8 | .6 | | 276 | 9.0 | 9.0 | -.9 | | 283 | 12.7 | 12.3 | -2.8 | 5844 |
| 525 | | 281 | 6.4 | 6.3 | -1.2 | | 259 | 4.3 | 4.3 | .8 | | 267 | 6.1 | 6.1 | .3 | | 271 | 7.6 | 7.6 | -.2 | 5460 |
| 550 | | 289 | 8.0 | 7.5 | -2.6 | | 293 | 7.6 | 6.9 | -3.0 | | 297 | 8.3 | 7.4 | -3.8 | | 280 | 8.2 | 8.1 | -1.4 | 5091 |
| 575 | | 321 | 4.1 | 2.6 | -3.2 | | 304 | 6.3 | 5.2 | -3.6 | | 317 | 6.2 | 4.3 | -4.5 | | 298 | 8.1 | 7.2 | -3.8 | 4736 |
| 600 | | 320 | 3.7 | 2.4 | -2.9 | | 325 | 2.7 | 1.5 | -2.2 | | 345 | 2.4 | .6 | -2.4 | | 330 | 3.9 | 1.9 | -3.4 | 4393 |
| 625 | | 304 | 1.4 | 1.1 | -.8 | | 123 | .9 | -.7 | .5 | | 71 | 1.2 | -1.2 | -.4 | | 92 | 2.8 | -2.8 | .1 | 4062 |
| 650 | | 109 | 1.8 | -1.7 | .6 | | 149 | .4 | -.2 | .4 | | 87 | 2.3 | -2.3 | -.1 | | 113 | 5.3 | -4.8 | 2.1 | 3742 |
| 675 | | 195 | 1.5 | .4 | 1.5 | | 228 | 1.2 | .9 | .8 | | 59 | 1.0 | -.9 | -.5 | | 119 | 3.1 | -2.7 | 1.5 | 3431 |
| 700 | | 160 | 1.9 | -.6 | 1.8 | | 147 | 1.4 | -.7 | 1.1 | | 133 | .9 | -.7 | .6 | | 118 | 2.3 | -2.0 | 1.1 | 3130 |
| 725 | | 124 | 4.2 | -3.5 | 2.4 | | 118 | 3.6 | -3.1 | 1.7 | | 129 | 3.4 | -2.7 | 2.1 | | 124 | 4.5 | -3.7 | 2.5 | 2837 |
| 750 | | 111 | 8.0 | -7.5 | 2.9 | | 102 | 7.9 | -7.8 | 1.7 | | 107 | 6.7 | -6.4 | 2.0 | | 120 | 6.8 | -5.9 | 3.4 | 2553 |
| 775 | | 99 | 10.7 | -10.6 | 1.6 | | 96 | 10.7 | -10.6 | 1.1 | | 98 | 10.0 | -9.9 | 1.4 | | 107 | 9.2 | -8.8 | 2.8 | 2276 |
| 800 | | 90 | 10.2 | -10.2 | .1 | | 95 | 8.9 | -8.8 | .8 | | 90 | 11.0 | -11.0 | -.1 | | 95 | 10.0 | -9.9 | .9 | 2007 |
| 825 | | 91 | 9.2 | -9.2 | .1 | | 87 | 7.4 | -7.4 | -.4 | | 78 | 9.9 | -9.7 | -2.0 | 3 | 79 | 9.5 | -9.4 | -1.9 | 1745 |
| 850 | | 91 | 8.8 | -8.8 | .2 | | 75 | 8.5 | -8.2 | -2.1 | | 73 | 9.5 | -9.1 | -2.8 | | 70 | 10.0 | -9.4 | -3.4 | 1490 |
| 875 | | 81 | 9.0 | -8.9 | -1.4 | | 72 | 9.2 | -8.7 | -2.9 | | 69 | 10.0 | -9.3 | -3.5 | | 71 | 10.4 | -9.9 | -3.4 | 1242 |
| 900 | | 70 | 9.7 | -9.1 | -3.3 | | 75 | 8.8 | -8.5 | -2.3 | | 67 | 9.6 | -8.8 | -3.8 | | 73 | 10.2 | -9.7 | -3.0 | 999 |
| 925 | | 74 | 9.5 | -9.1 | -2.6 | | 84 | 7.4 | -7.4 | -.8 | | 73 | 8.5 | -8.1 | -2.5 | | 76 | 9.0 | -8.7 | -2.2 | 762 |
| 950 | | 88 | 8.7 | -8.7 | -.3 | | 95 | 6.3 | -6.2 | .6 | | 81 | 7.5 | -7.4 | -1.1 | | 79 | 7.3 | -7.2 | -1.4 | 529 |
| 975 | | 94 | 7.5 | -7.5 | .6 | | 102 | 6.5 | -6.3 | 1.3 | | 85 | 7.6 | -7.6 | -.6 | | 81 | 5.9 | -5.8 | -.9 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 4 1439 GMT | | | | 4/ 4 1743 GMT | | | | 4/ 4 2355 GMT | | | | 4/ 5 650 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 255 | 19.8 | 19.1 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 257 | 20.5 | 20.0 | 4.5 | | 269 | 17.8 | 17.8 | .2 | | 252 | 22.1 | 21.0 | 7.0 | | 254 | 18.2 | 17.5 | 4.9 | 18589 |
| 80 | | 259 | 14.9 | 14.6 | 2.8 | | 250 | 14.9 | 14.0 | 5.1 | | 250 | 15.6 | 14.6 | 5.4 | | 248 | 15.8 | 14.7 | 5.8 | 17801 |
| 90 | | 287 | 18.7 | 18.0 | -5.4 | | 286 | 20.3 | 19.5 | -5.5 | | 289 | 20.5 | 19.3 | -6.7 | | 259 | 16.2 | 15.9 | 3.2 | 17121 |
| 100 | | 295 | 25.7 | 23.3 | -10.8 | | 300 | 26.9 | 23.3 | -13.3 | | 301 | 27.6 | 23.8 | -14.1 | | 290 | 24.0 | 22.5 | -8.3 | 16521 |
| 110 | | 278 | 24.3 | 24.1 | -3.6 | | 284 | 24.5 | 23.7 | -6.0 | | 278 | 22.7 | 22.5 | -3.2 | | 284 | 23.5 | 22.9 | -5.5 | 15978 |
| 120 | | 253 | 22.3 | 21.3 | 6.6 | | 260 | 22.1 | 21.8 | 3.7 | | 266 | 27.9 | 27.8 | 1.8 | | 254 | 22.8 | 21.9 | 6.5 | 15479 |
| 130 | | 256 | 26.5 | 25.7 | 6.3 | | 245 | 21.5 | 19.5 | 9.1 | | 267 | 22.4 | 22.4 | 1.3 | | 251 | 20.4 | 19.4 | 6.5 | 15014 |
| 140 | | 262 | 28.9 | 28.6 | 4.2 | | 252 | 23.7 | 22.6 | 7.2 | | 248 | 17.1 | 15.9 | 6.3 | | 244 | 15.3 | 13.7 | 6.7 | 14578 |
| 150 | | 264 | 27.7 | 27.5 | 2.8 | | 265 | 24.2 | 24.1 | 2.2 | | 239 | 17.9 | 15.2 | 9.3 | | 246 | 13.8 | 12.7 | 5.5 | 14167 |
| 160 | | 255 | 23.9 | 23.1 | 6.0 | | 265 | 23.0 | 22.9 | 1.9 | | 244 | 16.9 | 15.1 | 7.5 | | 232 | 12.4 | 9.7 | 7.7 | 13776 |
| 170 | | 243 | 20.1 | 17.9 | 9.1 | | 252 | 21.2 | 20.2 | 6.5 | | 246 | 16.0 | 14.6 | 6.5 | | 204 | 15.6 | 6.3 | 14.3 | 13404 |
| 180 | | 239 | 20.0 | 17.1 | 10.4 | | 243 | 17.7 | 15.8 | 8.0 | | 243 | 14.6 | 13.0 | 6.6 | | 202 | 17.2 | 6.4 | 16.0 | 13049 |
| 190 | | 248 | 20.5 | 18.9 | 7.8 | | 241 | 15.3 | 13.4 | 7.3 | | 233 | 14.6 | 11.6 | 8.8 | | 210 | 15.8 | 8.0 | 13.6 | 12709 |
| 200 | | 251 | 18.6 | 17.6 | 6.2 | | 227 | 14.6 | 10.8 | 9.9 | | 224 | 15.5 | 10.7 | 11.2 | | 214 | 14.9 | 8.3 | 12.4 | 12383 |
| 225 | | 205 | 14.0 | 5.9 | 12.7 | | 195 | 12.3 | 3.2 | 11.9 | | 191 | 13.4 | 2.7 | 13.2 | | 198 | 15.2 | 4.8 | 14.4 | 11617 |
| 250 | | 181 | 17.0 | .3 | 16.9 | | 168 | 19.2 | -3.9 | 18.8 | | 172 | 18.0 | -2.6 | 17.9 | | 179 | 14.0 | -.2 | 14.0 | 10914 |
| 275 | | 187 | 13.7 | 1.6 | 13.6 | | 182 | 12.2 | .5 | 12.2 | | 162 | 16.1 | -4.9 | 15.3 | | 167 | 15.2 | -3.4 | 14.8 | 10262 |
| 300 | | 205 | 14.8 | 6.3 | 13.3 | | 195 | 14.8 | 3.9 | 14.3 | | 189 | 12.3 | 2.0 | 12.1 | | 175 | 12.9 | -1.1 | 12.9 | 9654 |
| 325 | | 213 | 10.8 | 5.9 | 9.1 | | 205 | 12.8 | 5.5 | 11.6 | | 190 | 14.0 | 2.3 | 13.8 | | 187 | 11.7 | 1.4 | 11.7 | 9084 |
| 350 | | 252 | 9.6 | 9.1 | 3.0 | | 256 | 11.5 | 11.1 | 2.7 | | 214 | 7.7 | 4.3 | 6.4 | | 194 | 8.9 | 2.2 | 8.7 | 8546 |
| 375 | | 259 | 11.9 | 11.7 | 2.2 | | 262 | 12.7 | 12.6 | 1.7 | | 262 | 10.2 | 10.1 | 1.5 | | 255 | 6.1 | 5.9 | 1.6 | 8039 |
| 400 | | 275 | 18.2 | 18.1 | -1.6 | | 265 | 15.0 | 14.9 | 1.4 | | 271 | 13.5 | 13.5 | -.3 | | 284 | 12.1 | 11.7 | -2.8 | 7557 |
| 425 | | 277 | 17.5 | 17.3 | -2.1 | | 275 | 17.7 | 17.7 | -1.6 | | 283 | 17.7 | 17.3 | -3.9 | | 289 | 16.9 | 16.0 | -5.4 | 7099 |
| 450 | | 278 | 15.4 | 15.3 | -2.2 | | 274 | 15.7 | 15.7 | -1.0 | | 278 | 15.6 | 15.5 | -2.3 | | 294 | 18.7 | 17.2 | -7.5 | 6662 |
| 475 | | 275 | 14.6 | 14.6 | -1.2 | | 276 | 16.9 | 16.8 | -1.8 | | 276 | 14.7 | 14.7 | -1.6 | | 295 | 18.1 | 16.4 | -7.7 | 6244 |
| 500 | | 286 | 13.1 | 12.6 | -3.5 | | 276 | 13.6 | 13.5 | -1.5 | | 282 | 13.9 | 13.6 | -2.8 | | 293 | 16.0 | 14.8 | -6.1 | 5844 |
| 525 | | 282 | 9.3 | 9.1 | -1.9 | | 294 | 8.2 | 7.5 | -3.3 | | 284 | 11.9 | 11.5 | -2.9 | | 285 | 10.3 | 10.0 | -2.7 | 5460 |
| 550 | | 272 | 7.9 | 7.9 | -.3 | | 280 | 8.4 | 8.3 | -1.5 | | 289 | 9.2 | 8.7 | -2.9 | | 278 | 10.8 | 10.7 | -1.5 | 5091 |
| 575 | | 303 | 8.0 | 6.6 | -4.4 | | 294 | 8.8 | 8.1 | -3.5 | | 282 | 6.5 | 6.4 | -1.3 | | 285 | 7.2 | 6.9 | -1.9 | 4736 |
| 600 | | 340 | 2.9 | 1.0 | -2.7 | | 319 | 4.8 | 3.2 | -3.7 | | 308 | 8.0 | 6.4 | -4.9 | | 320 | 4.5 | 2.9 | -3.5 | 4393 |
| 625 | | 105 | 2.1 | -2.1 | .5 | | 87 | 2.5 | -2.5 | -.1 | | 328 | 5.7 | 3.0 | -4.9 | | 10 | 5.8 | -1.0 | -5.7 | 4062 |
| 650 | | 115 | 4.4 | -4.0 | 1.8 | | 117 | 3.8 | -3.4 | 1.8 | | 123 | 1.2 | -1.0 | .6 | | 63 | 4.2 | -3.7 | -1.9 | 3742 |
| 675 | | 130 | 3.6 | -2.7 | 2.3 | | 138 | 2.0 | -1.3 | 1.5 | | 145 | 1.9 | -1.1 | 1.6 | | 106 | 2.4 | -2.3 | .7 | 3431 |
| 700 | | 137 | 2.3 | -1.5 | 1.7 | | 104 | 2.0 | -2.0 | .5 | | 254 | .1 | .1 | .0 | | 50 | 2.2 | -1.7 | -1.4 | 3130 |
| 725 | | 128 | 3.6 | -2.8 | 2.2 | | 121 | 3.9 | -3.3 | 2.0 | | 123 | 3.2 | -2.7 | 1.7 | | 86 | 4.5 | -4.5 | -.3 | 2837 |
| 750 | | 117 | 6.3 | -5.6 | 2.9 | | 121 | 5.4 | -4.6 | 2.8 | | 119 | 6.2 | -5.4 | 3.0 | | 102 | 7.2 | -7.1 | 1.5 | 2553 |
| 775 | | 105 | 9.5 | -9.2 | 2.4 | | 102 | 8.0 | -7.9 | 1.7 | | 104 | 8.3 | -8.1 | 2.0 | | 96 | 9.2 | -9.2 | 1.0 | 2276 |
| 800 | | 92 | 10.9 | -10.9 | .4 | | 89 | 10.4 | -10.4 | -.2 | | 90 | 11.0 | -11.0 | -.0 | | 90 | 10.5 | -10.5 | -.1 | 2007 |
| 825 | | 79 | 11.0 | -10.8 | -2.0 | | 81 | 12.2 | -12.0 | -1.9 | | 79 | 10.9 | -10.7 | -2.0 | | 84 | 11.3 | -11.3 | -1.2 | 1745 |
| 850 | | 76 | 11.0 | -10.7 | -2.6 | | 78 | 12.6 | -12.3 | -2.7 | | 72 | 10.3 | -9.8 | -3.2 | | 77 | 12.6 | -12.3 | -2.8 | 1490 |
| 875 | | 76 | 10.3 | -10.0 | -2.5 | | 75 | 10.9 | -10.5 | -2.8 | | 70 | 11.5 | -10.8 | -3.9 | | 75 | 14.0 | -13.5 | -3.6 | 1242 |
| 900 | | 71 | 9.3 | -8.8 | -3.0 | | 77 | 9.4 | -9.1 | -2.1 | | 72 | 12.7 | -12.1 | -3.9 | | 71 | 12.9 | -12.1 | -4.2 | 999 |
| 925 | | 69 | 8.2 | -7.7 | -2.9 | | 84 | 9.3 | -9.2 | -1.0 | | 75 | 11.9 | -11.5 | -3.1 | | 70 | 10.7 | -10.0 | -3.6 | 762 |
| 950 | | 74 | 6.8 | -6.6 | -1.8 | | 87 | 9.0 | -9.0 | -.4 | | 78 | 8.7 | -8.5 | -1.7 | | 83 | 9.7 | -9.6 | -1.1 | 529 |
| 975 | | 84 | 5.4 | -5.4 | -.6 | | 86 | 7.6 | -7.5 | -.5 | | 86 | 6.7 | -6.7 | -.5 | | 94 | 9.3 | -9.3 | .7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 5 12 0 GMT | | | | 4/ 5 1455 GMT | | | | 4/ 5 18 5 GMT | | | | 4/ 6 0 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 262 | 22.0 | 21.7 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 252 | 19.4 | 18.5 | 6.0 | 19517 |
| 70 | 255 | 17.2 | 16.6 | 4.5 | 239 | 18.5 | 15.9 | 9.4 | 257 | 10.3 | 10.0 | 2.4 | 240 | 11.2 | 9.7 | 5.7 | 18589 |
| 80 | 250 | 15.2 | 14.3 | 5.2 | 251 | 14.7 | 13.9 | 4.8 | 233 | 15.3 | 12.2 | 9.3 | 227 | 15.7 | 11.5 | 10.8 | 17801 |
| 90 | 281 | 20.7 | 20.3 | -4.1 | 291 | 20.7 | 19.4 | -7.3 | 269 | 16.8 | 16.8 | .2 | 263 | 13.9 | 13.8 | 1.7 | 17121 |
| 100 | 282 | 22.1 | 21.7 | -4.5 | 282 | 24.1 | 23.6 | -5.1 | 281 | 23.7 | 23.2 | -4.6 | 297 | 21.5 | 19.1 | -9.9 | 16521 |
| 110 | 249 | 21.6 | 20.2 | 7.6 | 265 | 20.0 | 19.9 | 1.7 | 276 | 20.2 | 20.1 | -2.1 | 277 | 21.3 | 21.1 | -2.7 | 15978 |
| 120 | 248 | 23.6 | 21.8 | 8.9 | 255 | 20.7 | 20.0 | 5.5 | 249 | 21.5 | 20.0 | 7.6 | 259 | 22.4 | 22.0 | 4.1 | 15479 |
| 130 | 261 | 22.8 | 22.5 | 3.6 | 256 | 24.1 | 23.3 | 6.0 | 263 | 26.4 | 26.2 | 3.4 | 269 | 22.8 | 22.8 | .5 | 15014 |
| 140 | 261 | 21.0 | 20.7 | 3.4 | 261 | 23.2 | 23.0 | 3.5 | 269 | 26.2 | 26.2 | .3 | 269 | 18.4 | 18.4 | .3 | 14578 |
| 150 | 257 | 18.1 | 17.7 | 4.0 | 261 | 18.1 | 17.9 | 2.8 | 268 | 20.1 | 20.1 | .7 | 252 | 16.3 | 15.5 | 5.0 | 14167 |
| 160 | 243 | 13.2 | 11.8 | 6.1 | 245 | 15.1 | 13.6 | 6.4 | 257 | 15.0 | 14.7 | 3.3 | 232 | 16.5 | 13.0 | 10.1 | 13776 |
| 170 | 210 | 15.3 | 7.6 | 13.3 | 221 | 14.8 | 9.7 | 11.3 | 231 | 14.0 | 10.9 | 8.7 | 222 | 15.9 | 10.7 | 11.7 | 13404 |
| 180 | 200 | 16.6 | 5.7 | 15.6 | 204 | 16.1 | 6.6 | 14.6 | 211 | 15.0 | 7.7 | 12.9 | 217 | 14.7 | 8.9 | 11.7 | 13049 |
| 190 | 197 | 15.7 | 4.5 | 15.1 | 198 | 15.8 | 5.0 | 15.0 | 201 | 15.3 | 5.4 | 14.3 | 213 | 13.8 | 7.5 | 11.6 | 12709 |
| 200 | 200 | 15.1 | 5.1 | 14.2 | 197 | 14.0 | 4.0 | 13.4 | 195 | 15.0 | 3.9 | 14.5 | 209 | 13.3 | 6.6 | 11.6 | 12383 |
| 225 | 199 | 15.7 | 5.1 | 14.9 | 211 | 12.0 | 6.2 | 10.2 | 193 | 12.7 | 2.7 | 12.4 | 205 | 14.4 | 6.0 | 13.0 | 11617 |
| 250 | 197 | 14.2 | 4.1 | 13.6 | 186 | 13.8 | 1.6 | 13.7 | 189 | 10.8 | 1.6 | 10.7 | 214 | 10.9 | 6.2 | 9.0 | 10914 |
| 275 | 179 | 12.0 | -.3 | 12.0 | 174 | 11.2 | -1.3 | 11.2 | 192 | 11.1 | 2.4 | 10.9 | 219 | 9.6 | 6.1 | 7.4 | 10262 |
| 300 | 178 | 13.1 | -.5 | 13.1 | 180 | 10.0 | .0 | 10.0 | 191 | 6.5 | 1.2 | 6.4 | 209 | 9.0 | 4.3 | 7.8 | 9654 |
| 325 | 191 | 12.9 | 2.4 | 12.6 | 188 | 12.1 | 1.6 | 12.0 | 179 | 8.9 | -.2 | 8.9 | 201 | 8.0 | 2.9 | 7.5 | 9084 |
| 350 | 190 | 10.3 | 1.8 | 10.1 | 201 | 10.3 | 3.7 | 9.6 | 199 | 9.6 | 3.1 | 9.1 | 227 | 5.0 | 3.6 | 3.4 | 8546 |
| 375 | 233 | 3.6 | 2.9 | 2.2 | 222 | 4.9 | 3.3 | 3.7 | 207 | 6.0 | 2.7 | 5.3 | 185 | 7.2 | .7 | 7.2 | 8039 |
| 400 | 279 | 9.1 | 8.9 | -1.5 | 277 | 8.2 | 8.1 | -1.0 | 288 | 5.0 | 4.8 | -1.5 | 195 | 3.1 | .8 | 2.9 | 7557 |
| 425 | 289 | 12.9 | 12.2 | -4.2 | 293 | 12.5 | 11.4 | -4.9 | 300 | 11.6 | 10.0 | -5.8 | 295 | 5.0 | 4.5 | -2.1 | 7099 |
| 450 | 301 | 17.8 | 15.4 | -9.1 | 302 | 17.0 | 14.5 | -8.9 | 299 | 15.5 | 13.6 | -7.4 | 302 | 11.2 | 9.5 | -5.9 | 6662 |
| 475 | 292 | 15.4 | 14.3 | -5.7 | 299 | 14.7 | 12.8 | -7.2 | 302 | 14.0 | 11.8 | -7.5 | 318 | 10.6 | 7.1 | -7.9 | 6244 |
| 500 | 297 | 12.3 | 10.9 | -5.7 | 302 | 9.9 | 8.4 | -5.2 | 307 | 9.0 | 7.1 | -5.5 | 328 | 7.6 | 4.1 | -6.4 | 5844 |
| 525 | 288 | 9.3 | 8.9 | -2.9 | 290 | 8.4 | 7.9 | -2.9 | 298 | 6.7 | 5.9 | -3.1 | 310 | 5.7 | 4.4 | -3.7 | 5460 |
| 550 | 307 | 7.6 | 6.1 | -4.5 | 296 | 7.1 | 6.3 | -3.1 | 296 | 6.6 | 6.0 | -2.9 | 316 | 3.9 | 2.7 | -2.8 | 5091 |
| 575 | 287 | 10.9 | 10.4 | -3.3 | 299 | 7.3 | 6.4 | -3.6 | 307 | 6.1 | 4.9 | -3.7 | 311 | 2.7 | 2.0 | -1.8 | 4736 |
| 600 | 313 | 5.6 | 4.1 | -3.8 | 316 | 6.0 | 4.2 | -4.3 | 318 | 3.8 | 2.5 | -2.8 | 304 | 3.1 | 2.6 | -1.7 | 4393 |
| 625 | 22 | 5.5 | -2.0 | -5.1 | 31 | 5.1 | -2.6 | -4.4 | 37 | 4.3 | -2.6 | -3.4 | 13 | 3.0 | -.7 | -3.0 | 4062 |
| 650 | 63 | 4.1 | -3.6 | -1.9 | 83 | 3.5 | -3.5 | -.4 | 93 | 4.4 | -4.4 | .2 | 77 | 4.6 | -4.5 | -1.0 | 3742 |
| 675 | 92 | 2.5 | -2.5 | .1 | 100 | 2.6 | -2.6 | .5 | 107 | 4.7 | -4.5 | 1.4 | 107 | 5.8 | -5.5 | 1.7 | 3431 |
| 700 | 87 | 2.8 | -2.8 | -.2 | 93 | 3.4 | -3.3 | .2 | 98 | 5.1 | -5.1 | .7 | 120 | 6.2 | -5.3 | 3.1 | 3130 |
| 725 | 104 | 5.2 | -5.1 | 1.3 | 115 | 6.0 | -5.4 | 2.6 | 111 | 7.0 | -6.5 | 2.5 | 128 | 6.2 | -4.9 | 3.8 | 2837 |
| 750 | 100 | 8.3 | -8.1 | 1.5 | 110 | 10.0 | -9.4 | 3.5 | 109 | 10.5 | -9.9 | 3.5 | 122 | 8.1 | -6.9 | 4.3 | 2553 |
| 775 | 95 | 9.9 | -9.8 | .8 | 101 | 11.6 | -11.4 | 2.2 | 100 | 12.8 | -12.6 | 2.3 | 101 | 12.5 | -12.2 | 2.4 | 2276 |
| 800 | 94 | 11.3 | -11.3 | .8 | 97 | 11.9 | -11.8 | 1.5 | 95 | 13.0 | -13.0 | 1.2 | 90 | 14.7 | -14.7 | .0 | 2007 |
| 825 | 87 | 13.9 | -13.8 | -.8 | 98 | 13.5 | -13.4 | 1.9 | 95 | 13.0 | -13.0 | 1.1 | 87 | 14.1 | -14.1 | -.7 | 1745 |
| 850 | 78 | 14.2 | -13.9 | -3.0 | 92 | 13.7 | -13.7 | .5 | 91 | 13.5 | -13.5 | .1 | 85 | 13.8 | -13.7 | -1.3 | 1490 |
| 875 | 75 | 12.1 | -11.6 | -3.1 | 74 | 12.7 | -12.2 | -3.5 | 85 | 13.7 | -13.6 | -1.2 | 75 | 14.1 | -13.7 | -3.5 | 1242 |
| 900 | 81 | 10.9 | -10.8 | -1.6 | 63 | 13.2 | -11.8 | -6.0 | 81 | 13.1 | -13.0 | -2.1 | 69 | 15.1 | -14.2 | -5.4 | 999 |
| 925 | 85 | 11.0 | -10.9 | -.9 | 67 | 13.4 | -12.3 | -5.2 | 80 | 11.8 | -11.6 | -2.1 | 72 | 13.9 | -13.3 | -4.3 | 762 |
| 950 | 85 | 10.1 | -10.0 | -.9 | 75 | 12.5 | -12.1 | -3.3 | 84 | 9.9 | -9.9 | -1.0 | 81 | 10.9 | -10.7 | -1.7 | 529 |
| 975 | 89 | 8.3 | -8.3 | -.1 | 84 | 10.5 | -10.4 | -1.1 | 95 | 8.2 | -8.2 | .8 | 89 | 9.4 | -9.4 | -.1 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 6 540 GMT | | | | 4/ 6 1223 GMT | | | | 4/ 6 15 0 GMT | | | | 4/ 6 18 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 261 | 13.2 | 13.1 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 226 | 11.5 | 8.2 | 8.0 | | 273 | 9.3 | 9.2 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 241 | 11.1 | 9.7 | 5.4 | 18589 |
| 80 | | 228 | 15.3 | 11.4 | 10.2 | | 229 | 15.0 | 11.3 | 9.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 9.4 | 8.7 | 3.6 | 17801 |
| 90 | | 269 | 10.1 | 10.1 | .2 | | 252 | 9.5 | 9.0 | 2.9 | | 270 | 9.9 | 9.9 | .0 | | 262 | 10.1 | 10.0 | 1.4 | 17121 |
| 100 | | 297 | 19.7 | 17.6 | -8.9 | | 301 | 13.5 | 11.6 | -6.9 | | 299 | 14.6 | 12.8 | -7.1 | | 306 | 16.8 | 13.6 | -9.9 | 16521 |
| 110 | | 283 | 17.6 | 17.2 | -3.8 | | 294 | 16.1 | 14.7 | -6.6 | | 300 | 17.4 | 15.1 | -8.6 | | 305 | 14.8 | 12.0 | -8.6 | 15978 |
| 120 | | 256 | 16.3 | 15.8 | 3.9 | | 267 | 13.4 | 13.4 | .8 | | 277 | 11.9 | 11.8 | -1.4 | | 270 | 11.0 | 11.0 | -.1 | 15479 |
| 130 | | 267 | 16.4 | 16.4 | .9 | | 250 | 13.6 | 12.8 | 4.7 | | 251 | 10.2 | 9.6 | 3.3 | | 262 | 9.7 | 9.6 | 1.4 | 15014 |
| 140 | | 272 | 13.7 | 13.7 | -.4 | | 234 | 11.4 | 9.2 | 6.6 | | 222 | 10.3 | 6.8 | 7.7 | | 231 | 7.5 | 5.8 | 4.7 | 14578 |
| 150 | | 247 | 9.4 | 8.7 | 3.6 | | 224 | 11.1 | 7.7 | 7.9 | | 209 | 10.5 | 5.0 | 9.2 | | 194 | 6.6 | 1.5 | 6.4 | 14167 |
| 160 | | 211 | 7.6 | 3.9 | 6.5 | | 212 | 12.4 | 6.6 | 10.5 | | 204 | 12.7 | 5.2 | 11.6 | | 168 | 8.1 | -1.7 | 7.9 | 13776 |
| 170 | | 208 | 8.9 | 4.1 | 7.9 | | 229 | 13.8 | 10.3 | 9.1 | | 210 | 11.0 | 5.6 | 9.5 | | 187 | 9.0 | 1.0 | 9.0 | 13404 |
| 180 | | 209 | 9.6 | 4.6 | 8.4 | | 217 | 10.1 | 6.0 | 8.1 | | 215 | 10.8 | 6.2 | 8.9 | | 197 | 10.5 | 3.1 | 10.0 | 13049 |
| 190 | | 204 | 7.9 | 3.3 | 7.2 | | 207 | 5.3 | 2.4 | 4.7 | | 215 | 11.4 | 6.5 | 9.3 | | 188 | 11.6 | 1.7 | 11.5 | 12709 |
| 200 | | 216 | 7.4 | 4.4 | 6.0 | | 203 | 3.0 | 1.2 | 2.7 | | 220 | 9.1 | 5.9 | 7.0 | | 193 | 11.7 | 2.6 | 11.4 | 12383 |
| 225 | | 215 | 10.3 | 6.0 | 8.4 | | 218 | 5.5 | 3.4 | 4.3 | | 203 | 3.5 | 1.4 | 3.2 | | 192 | 4.4 | .9 | 4.3 | 11617 |
| 250 | | 219 | 11.3 | 7.2 | 8.7 | | 235 | 6.3 | 5.2 | 3.6 | | 197 | 5.2 | 1.5 | 5.0 | | 152 | 4.6 | -2.2 | 4.0 | 10914 |
| 275 | | 220 | 7.9 | 5.1 | 6.1 | | 222 | 8.9 | 6.0 | 6.6 | | 224 | 7.4 | 5.1 | 5.3 | | 205 | 3.3 | 1.4 | 3.0 | 10262 |
| 300 | | 219 | 6.7 | 4.1 | 5.2 | | 208 | 9.8 | 4.6 | 8.6 | | 193 | 6.0 | 1.4 | 5.9 | | 198 | 3.9 | 1.2 | 3.7 | 9654 |
| 325 | | 213 | 7.6 | 4.2 | 6.4 | | 207 | 7.0 | 3.2 | 6.2 | | 226 | 5.2 | 3.7 | 3.6 | | 181 | 1.0 | .0 | 1.0 | 9084 |
| 350 | | 196 | 7.0 | 1.9 | 6.7 | | 201 | 6.2 | 2.2 | 5.8 | | 205 | 4.2 | 1.8 | 3.8 | | 263 | 1.3 | 1.3 | .2 | 8546 |
| 375 | | 214 | 5.3 | 2.9 | 4.4 | | 216 | 4.6 | 2.7 | 3.8 | | 207 | 4.4 | 2.0 | 3.9 | | 288 | 2.1 | 2.0 | -.6 | 8039 |
| 400 | | 194 | 2.8 | .7 | 2.7 | | 238 | 1.3 | 1.1 | .7 | | 331 | 3.1 | 1.5 | -2.7 | | 348 | 1.9 | .4 | -1.9 | 7557 |
| 425 | | 301 | 7.0 | 6.0 | -3.6 | | 311 | 7.6 | 5.7 | -5.0 | | 330 | 9.4 | 4.6 | -8.2 | | 333 | 7.1 | 3.2 | -6.3 | 7099 |
| 450 | | 302 | 9.2 | 7.8 | -4.8 | | 317 | 8.0 | 5.5 | -5.9 | | 327 | 7.5 | 4.1 | -6.3 | | 322 | 6.0 | 3.7 | -4.8 | 6662 |
| 475 | | 304 | 10.1 | 8.4 | -5.7 | | 314 | 8.3 | 5.9 | -5.8 | | 329 | 6.8 | 3.6 | -5.8 | | 331 | 4.8 | 2.3 | -4.2 | 6244 |
| 500 | | 322 | 7.9 | 4.8 | -6.2 | | 356 | 5.0 | .3 | -5.0 | | 8 | 4.6 | -.6 | -4.5 | | 48 | 2.0 | -1.5 | -1.3 | 5844 |
| 525 | | 330 | 3.6 | 1.8 | -3.1 | | 22 | 2.4 | -.9 | -2.2 | | 87 | 1.0 | -1.0 | -.1 | | 198 | 1.9 | .6 | 1.9 | 5460 |
| 550 | | 343 | 2.4 | .7 | -2.3 | | 1 | .9 | -.0 | -.9 | | 98 | 1.4 | -1.4 | .2 | | 156 | 1.5 | -.6 | 1.3 | 5091 |
| 575 | | 0 | .6 | -.0 | -.6 | | 337 | 1.2 | .5 | -1.1 | | 68 | 2.6 | -2.4 | -1.0 | | 138 | 2.1 | -1.4 | 1.6 | 4736 |
| 600 | | 348 | 1.2 | .2 | -1.1 | | 61 | 3.5 | -3.1 | -1.7 | | 76 | 6.1 | -6.0 | -1.5 | | 93 | 4.8 | -4.8 | .3 | 4393 |
| 625 | | 26 | 3.5 | -1.6 | -3.1 | | 87 | 6.5 | -6.5 | -.3 | | 100 | 7.2 | -7.1 | 1.2 | | 110 | 8.3 | -7.8 | 2.8 | 4062 |
| 650 | | 75 | 6.2 | -6.0 | -1.6 | | 106 | 8.5 | -8.1 | 2.4 | | 104 | 9.0 | -8.8 | 2.1 | | 120 | 10.4 | -9.1 | 5.2 | 3742 |
| 675 | | 103 | 8.5 | -8.3 | 2.0 | | 103 | 9.8 | -9.5 | 2.3 | | 90 | 12.5 | -12.5 | .0 | | 107 | 9.3 | -8.9 | 2.7 | 3431 |
| 700 | | 113 | 8.2 | -7.6 | 3.3 | | 93 | 9.3 | -9.3 | .5 | | 87 | 14.7 | -14.6 | -.9 | | 95 | 13.7 | -13.7 | 1.1 | 3130 |
| 725 | | 114 | 7.6 | -7.0 | 3.1 | | 90 | 12.4 | -12.4 | .0 | | 92 | 15.0 | -15.0 | .5 | | 95 | 18.2 | -18.1 | 1.7 | 2837 |
| 750 | | 107 | 10.1 | -9.7 | 2.9 | | 89 | 17.0 | -17.0 | -.2 | | 92 | 16.1 | -16.1 | .6 | | 99 | 18.9 | -18.7 | 2.9 | 2553 |
| 775 | | 99 | 14.0 | -13.8 | 2.3 | | 85 | 17.6 | -17.5 | -1.6 | | 84 | 15.7 | -15.6 | -1.6 | | 95 | 18.0 | -18.0 | 1.6 | 2276 |
| 800 | | 91 | 15.5 | -15.5 | .2 | | 81 | 15.4 | -15.2 | -2.5 | | 80 | 13.6 | -13.4 | -2.4 | | 85 | 16.2 | -16.2 | -1.3 | 2007 |
| 825 | | 79 | 15.5 | -15.2 | -2.9 | | 81 | 13.8 | -13.6 | -2.2 | | 82 | 13.6 | -13.5 | -2.0 | | 76 | 14.9 | -14.5 | -3.6 | 1745 |
| 850 | | 72 | 17.4 | -16.6 | -5.3 | | 79 | 14.2 | -13.9 | -2.8 | | 79 | 13.7 | -13.4 | -2.7 | | 70 | 14.7 | -13.8 | -5.1 | 1490 |
| 875 | | 70 | 17.5 | -16.4 | -6.1 | | 73 | 15.7 | -15.0 | -4.5 | | 73 | 13.2 | -12.6 | -4.0 | | 64 | 15.0 | -13.5 | -6.5 | 1242 |
| 900 | | 66 | 15.6 | -14.3 | -6.3 | | 71 | 16.0 | -15.2 | -5.1 | | 72 | 12.7 | -12.1 | -3.8 | | 65 | 14.3 | -12.9 | -6.0 | 999 |
| 925 | | 67 | 14.3 | -13.2 | -5.6 | | 76 | 14.7 | -14.3 | -3.5 | | 79 | 11.5 | -11.3 | -2.2 | | 74 | 12.9 | -12.4 | -3.5 | 762 |
| 950 | | 72 | 12.4 | -11.8 | -3.8 | | 82 | 12.4 | -12.3 | -1.7 | | 90 | 10.0 | -10.0 | -.0 | | 85 | 11.4 | -11.4 | -1.0 | 529 |
| 975 | | 77 | 9.8 | -9.6 | -2.2 | | 84 | 8.1 | -8.0 | -.9 | | 104 | 8.7 | -8.4 | 2.1 | | 92 | 9.5 | -9.5 | .4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 6 2030 GMT | | | | | 4/ 7 025 GMT | | | | | 4/ 7 3 3 GMT | | | | | 4/ 7 555 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 251 | 19.7 | 18.6 | 6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 11.4 | 10.7 | 4.1 | | 246 | 9.9 | 9.0 | 4.0 | | 257 | 14.8 | 14.4 | 3.4 | 18589 |
| 80 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 227 | 11.7 | 8.5 | 8.0 | | 217 | 11.1 | 6.7 | 8.9 | | 248 | 10.8 | 10.0 | 4.1 | 17801 |
| 90 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 246 | 10.8 | 9.9 | 4.4 | | 271 | 9.6 | 9.6 | -.2 | | 243 | 12.2 | 10.9 | 5.5 | 17121 |
| 100 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 306 | 16.9 | 13.7 | -10.0 | | 302 | 15.4 | 13.1 | -8.1 | | 300 | 13.9 | 12.0 | -7.0 | 16521 |
| 110 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 13.0 | 11.6 | -6.1 | | 280 | 9.4 | 9.2 | -1.6 | | 277 | 11.2 | 11.1 | -1.4 | 15978 |
| 120 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 10.2 | 10.2 | -.9 | | 249 | 11.1 | 10.4 | 3.9 | | 235 | 9.4 | 7.7 | 5.4 | 15479 |
| 130 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 9.0 | 8.4 | -3.4 | | 254 | 10.1 | 9.7 | 2.9 | | 237 | 9.7 | 8.2 | 5.3 | 15014 |
| 140 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 8.1 | 8.1 | -.6 | | 204 | 8.6 | 3.5 | 7.9 | | 233 | 9.6 | 7.7 | 5.7 | 14578 |
| 150 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 197 | 4.9 | 1.4 | 4.7 | | 173 | 11.4 | -1.3 | 11.3 | | 210 | 8.4 | 4.2 | 7.2 | 14167 |
| 160 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 171 | 9.6 | -1.4 | 9.4 | | 183 | 11.5 | .6 | 11.5 | | 176 | 11.9 | -.9 | 11.9 | 13776 |
| 170 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 181 | 11.8 | .2 | 11.8 | | 185 | 13.7 | 1.2 | 13.6 | | 183 | 14.4 | .7 | 14.4 | 13404 |
| 180 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 175 | 13.0 | -1.2 | 12.9 | | 188 | 14.0 | 1.9 | 13.8 | | 193 | 15.7 | 3.5 | 15.3 | 13049 |
| 190 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 171 | 14.2 | -2.2 | 14.0 | | 178 | 14.1 | -.4 | 14.1 | | 192 | 15.1 | 3.2 | 14.7 | 12709 |
| 200 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 175 | 14.4 | -1.3 | 14.4 | | 168 | 13.5 | -2.7 | 13.2 | | 189 | 13.7 | 2.0 | 13.6 | 12383 |
| 225 | | 175 | 4.3 | -.4 | 4.3 | | 173 | 12.1 | -1.4 | 12.1 | | 169 | 8.9 | -1.7 | 8.8 | | 175 | 13.6 | -1.1 | 13.5 | 11617 |
| 250 | | 163 | 3.5 | -1.0 | 3.4 | | 171 | 6.4 | -1.0 | 6.3 | | 169 | 6.1 | -1.2 | 6.0 | | 162 | 10.0 | -3.0 | 9.5 | 10914 |
| 275 | | 236 | 2.0 | 1.6 | 1.1 | | 197 | 1.8 | .5 | 1.7 | | 191 | 1.9 | .4 | 1.8 | | 178 | 4.5 | -.2 | 4.5 | 10262 |
| 300 | | 197 | 1.7 | .5 | 1.6 | | 181 | 3.5 | .1 | 3.5 | | 172 | 3.2 | -.4 | 3.1 | | 220 | 1.4 | .9 | 1.0 | 9654 |
| 325 | | 250 | 1.1 | 1.1 | .4 | | 169 | 3.5 | -.6 | 3.4 | | 154 | 3.2 | -1.4 | 2.9 | | 214 | 2.5 | 1.4 | 2.1 | 9084 |
| 350 | | 285 | 2.4 | 2.3 | -.6 | | 139 | 1.9 | -1.2 | 1.4 | | 193 | 1.3 | .3 | 1.2 | | 194 | 2.3 | .5 | 2.2 | 8546 |
| 375 | | 253 | 1.4 | 1.4 | .4 | | 330 | 2.8 | 1.4 | -2.4 | | 316 | 2.1 | 1.4 | -1.5 | | 328 | 1.9 | 1.0 | -1.6 | 8039 |
| 400 | | 143 | 1.9 | -1.2 | 1.6 | 3 | 301 | .2 | .2 | -.1 | | 160 | .5 | -.2 | .5 | | 286 | .7 | .7 | -.2 | 7557 |
| 425 | | 7 | 3.8 | -.5 | -3.8 | 2 | 359 | 2.2 | .1 | -2.2 | | 53 | 7.1 | -5.7 | -4.2 | | 82 | 2.4 | -2.3 | -.3 | 7099 |
| 450 | | 318 | 3.0 | 2.0 | -2.2 | | 357 | 6.2 | .3 | -6.2 | | 22 | 5.3 | -2.0 | -4.9 | | 28 | 6.9 | -3.3 | -6.1 | 6662 |
| 475 | | 303 | 2.7 | 2.3 | -1.5 | | 350 | 4.9 | .8 | -4.8 | | 17 | 2.3 | -.7 | -2.2 | | 34 | 5.2 | -3.0 | -4.3 | 6244 |
| 500 | | 3 | 2.8 | -.1 | -2.8 | | 327 | 4.4 | 2.4 | -3.7 | | 348 | 1.4 | .3 | -1.4 | | 320 | 1.4 | .9 | -1.1 | 5844 |
| 525 | | 122 | 2.1 | -1.8 | 1.1 | | 37 | 1.7 | -1.1 | -1.4 | | 93 | 2.3 | -2.3 | .1 | | 133 | 1.4 | -1.0 | .9 | 5460 |
| 550 | | 155 | 2.5 | -1.0 | 2.2 | | 174 | 2.3 | -.2 | 2.3 | | 153 | 2.9 | -1.3 | 2.6 | | 112 | 4.1 | -3.8 | 1.5 | 5091 |
| 575 | | 143 | 3.1 | -1.9 | 2.5 | | 204 | 2.8 | 1.1 | 2.5 | | 174 | 2.0 | -.2 | 2.0 | | 122 | 3.2 | -2.7 | 1.7 | 4736 |
| 600 | | 119 | 2.7 | -2.3 | 1.3 | | 136 | 1.7 | -1.2 | 1.2 | | 138 | 1.9 | -1.2 | 1.4 | | 102 | 1.9 | -1.9 | .4 | 4393 |
| 625 | | 99 | 6.9 | -6.8 | 1.1 | | 126 | 1.9 | -1.6 | 1.1 | | 97 | 3.3 | -3.3 | .4 | | 96 | 2.5 | -2.5 | .3 | 4062 |
| 650 | | 117 | 9.1 | -8.1 | 4.1 | | 104 | 8.7 | -8.5 | 2.1 | | 105 | 6.9 | -6.7 | 1.8 | | 93 | 6.0 | -5.9 | .3 | 3742 |
| 675 | | 113 | 9.7 | -8.9 | 3.8 | | 95 | 14.1 | -14.1 | 1.3 | | 98 | 11.8 | -11.7 | 1.6 | | 95 | 10.0 | -10.0 | .9 | 3431 |
| 700 | | 94 | 12.2 | -12.2 | .9 | | 96 | 15.1 | -15.0 | 1.6 | | 94 | 16.5 | -16.4 | 1.2 | | 97 | 14.8 | -14.7 | 1.9 | 3130 |
| 725 | | 95 | 15.7 | -15.6 | 1.5 | | 94 | 17.4 | -17.3 | 1.4 | | 89 | 18.9 | -18.9 | -.3 | | 92 | 19.8 | -19.7 | .6 | 2837 |
| 750 | | 97 | 18.2 | -18.0 | 2.3 | | 93 | 18.7 | -18.7 | .8 | | 90 | 18.4 | -18.4 | .0 | | 86 | 20.4 | -20.4 | -1.5 | 2553 |
| 775 | | 92 | 17.8 | -17.8 | .6 | | 92 | 20.6 | -20.6 | .8 | | 91 | 16.9 | -16.9 | .4 | | 82 | 17.5 | -17.3 | -2.3 | 2276 |
| 800 | | 85 | 16.1 | -16.1 | -1.3 | | 89 | 19.5 | -19.4 | -.5 | | 85 | 16.6 | -16.5 | -1.3 | | 75 | 16.2 | -15.6 | -4.2 | 2007 |
| 825 | | 81 | 15.3 | -15.1 | -2.5 | | 85 | 14.2 | -14.1 | -1.2 | | 77 | 17.4 | -17.0 | -3.8 | | 68 | 17.5 | -16.1 | -6.6 | 1745 |
| 850 | | 72 | 15.3 | -14.5 | -4.6 | | 75 | 14.3 | -13.8 | -3.8 | | 69 | 18.6 | -17.4 | -6.6 | | 67 | 18.2 | -16.7 | -7.1 | 1490 |
| 875 | | 66 | 16.4 | -15.0 | -6.7 | | 66 | 16.5 | -15.1 | -6.6 | | 65 | 17.9 | -16.3 | -7.6 | | 70 | 17.9 | -16.9 | -6.1 | 1242 |
| 900 | | 64 | 17.2 | -15.5 | -7.5 | | 64 | 15.7 | -14.1 | -7.0 | | 66 | 14.7 | -13.4 | -5.9 | | 73 | 17.1 | -16.3 | -5.1 | 999 |
| 925 | | 65 | 15.9 | -14.4 | -6.7 | | 65 | 12.9 | -11.7 | -5.4 | | 69 | 11.7 | -11.0 | -4.2 | | 74 | 15.1 | -14.5 | -4.2 | 762 |
| 950 | | 71 | 12.5 | -11.8 | -4.1 | | 72 | 9.2 | -8.7 | -2.8 | | 74 | 10.2 | -9.8 | -2.8 | | 75 | 12.0 | -11.6 | -3.1 | 529 |
| 975 | | 81 | 8.5 | -8.4 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 84 | 9.1 | -9.1 | -.9 | | 76 | 8.6 | -8.4 | -2.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 7 835 GMT | | | | 4/ 7 1211 GMT | | | | 4/ 7 15 0 GMT | | | | 4/ 7 18 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 0 0 | 0.0 | 0.0 | 0.0 | 249 | 14.6 | 13.7 | 5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 261 | 12.3 | 12.1 | 2.0 | 252 | 19.5 | 18.6 | 5.9 | 257 | 15.4 | 15.0 | 3.4 | 252 | 12.0 | 11.4 | 3.7 | 18589 |
| 80 | 260 | 14.2 | 14.0 | 2.5 | 241 | 13.5 | 11.9 | 6.5 | 244 | 12.0 | 10.8 | 5.3 | 240 | 11.5 | 10.0 | 5.7 | 17801 |
| 90 | 299 | 14.6 | 12.7 | -7.2 | 263 | 14.0 | 13.9 | 1.8 | 256 | 12.4 | 12.0 | 2.9 | 263 | 17.8 | 17.7 | 2.1 | 17121 |
| 100 | 257 | 9.0 | 8.8 | 2.0 | 302 | 16.3 | 13.8 | -8.7 | 281 | 22.6 | 22.2 | -4.5 | 298 | 20.1 | 17.7 | -9.6 | 16521 |
| 110 | 245 | 9.8 | 8.9 | 4.2 | 297 | 11.0 | 9.9 | -4.9 | 307 | 14.0 | 11.2 | -8.4 | 301 | 17.6 | 15.1 | -9.0 | 15978 |
| 120 | 209 | 12.9 | 6.3 | 11.2 | 284 | 9.3 | 9.0 | -2.2 | 302 | 8.7 | 7.4 | -4.6 | 278 | 6.4 | 6.3 | -.9 | 15479 |
| 130 | 190 | 9.7 | 1.7 | 9.6 | 239 | 8.8 | 7.6 | 4.5 | 252 | 6.8 | 6.4 | 2.1 | 192 | 4.5 | .9 | 4.4 | 15014 |
| 140 | 180 | 15.0 | .1 | 15.0 | 194 | 13.8 | 3.3 | 13.4 | 194 | 11.3 | 2.7 | 11.0 | 181 | 11.2 | .2 | 11.2 | 14578 |
| 150 | 173 | 16.1 | -2.1 | 15.9 | 173 | 14.0 | -1.8 | 13.8 | 170 | 12.6 | -2.3 | 12.4 | 175 | 14.2 | -1.2 | 14.1 | 14167 |
| 160 | 168 | 14.5 | -3.1 | 14.2 | 166 | 13.2 | -3.3 | 12.8 | 160 | 13.5 | -4.7 | 12.7 | 166 | 17.5 | -4.2 | 17.0 | 13776 |
| 170 | 182 | 15.1 | .6 | 15.1 | 3 167 | 17.9 | -4.0 | 17.5 | 158 | 19.8 | -7.3 | 18.4 | 164 | 22.4 | -6.3 | 21.5 | 13404 |
| 180 | 191 | 14.7 | 2.8 | 14.5 | 1 168 | 23.0 | -4.6 | 22.6 | 159 | 27.3 | -10.0 | 25.4 | 162 | 26.3 | -8.1 | 25.0 | 13049 |
| 190 | 185 | 14.6 | 1.1 | 14.6 | 0 169 | 23.7 | -4.5 | 23.2 | 162 | 29.2 | -9.0 | 27.8 | 161 | 28.4 | -9.0 | 26.9 | 12709 |
| 200 | 177 | 14.3 | -.7 | 14.3 | 2 172 | 19.8 | -2.8 | 19.6 | 170 | 26.1 | -4.7 | 25.6 | 167 | 27.1 | -6.2 | 26.4 | 12383 |
| 225 | 173 | 12.2 | -1.5 | 12.1 | 187 | 18.0 | 2.3 | 17.9 | 176 | 17.5 | -1.1 | 17.5 | 177 | 18.3 | -1.0 | 18.3 | 11617 |
| 250 | 164 | 7.2 | -2.0 | 6.9 | 173 | 11.3 | -1.3 | 11.2 | 184 | 14.2 | .9 | 14.2 | 181 | 15.3 | .3 | 15.3 | 10914 |
| 275 | 188 | 1.7 | .2 | 1.7 | 172 | 9.8 | -1.4 | 9.7 | 173 | 10.4 | -1.3 | 10.3 | 182 | 9.4 | .3 | 9.4 | 10262 |
| 300 | 137 | 1.5 | -1.0 | 1.1 | 176 | 3.5 | -.2 | 3.5 | 174 | 7.2 | -.7 | 7.1 | 179 | 9.7 | -.2 | 9.7 | 9654 |
| 325 | 76 | 3.7 | -3.6 | -.9 | 312 | 1.4 | 1.1 | -1.0 | 285 | .5 | .5 | -.1 | 182 | 2.2 | .1 | 2.2 | 9084 |
| 350 | 326 | 1.9 | 1.1 | -1.6 | 312 | 5.9 | 4.3 | -4.0 | 310 | 5.4 | 4.2 | -3.4 | 308 | 4.9 | 3.9 | -3.0 | 8546 |
| 375 | 317 | 3.5 | 2.4 | -2.5 | 333 | 8.7 | 3.9 | -7.7 | 319 | 7.1 | 4.7 | -5.4 | 332 | 8.0 | 3.7 | -7.1 | 8039 |
| 400 | 47 | 2.3 | -1.6 | -1.5 | 336 | 7.0 | 2.9 | -6.4 | 352 | 7.9 | 1.1 | -7.8 | 347 | 7.5 | 1.7 | -7.3 | 7557 |
| 425 | 14 | 8.3 | -2.1 | -8.0 | 356 | 6.9 | .5 | -6.9 | 346 | 7.1 | 1.7 | -6.9 | 348 | 8.8 | 1.8 | -8.6 | 7099 |
| 450 | 11 | 6.4 | -1.2 | -6.3 | 348 | 7.7 | 1.6 | -7.5 | 332 | 8.9 | 4.2 | -7.8 | 341 | 8.7 | 2.8 | -8.3 | 6662 |
| 475 | 345 | 2.1 | .5 | -2.1 | 326 | 2.9 | 1.6 | -2.4 | 324 | 3.3 | 1.9 | -2.7 | 320 | 3.0 | 2.0 | -2.3 | 6244 |
| 500 | 118 | 2.2 | -1.9 | 1.0 | 171 | .6 | -.1 | .6 | 108 | 1.2 | -1.2 | .4 | 35 | .9 | -.5 | -.8 | 5844 |
| 525 | 112 | 5.6 | -5.2 | 2.1 | 123 | 5.1 | -4.3 | 2.8 | 135 | 4.0 | -2.8 | 2.9 | 118 | 4.1 | -3.6 | 1.9 | 5460 |
| 550 | 143 | 5.4 | -3.3 | 4.3 | 152 | 4.4 | -2.1 | 3.9 | 177 | 3.7 | -.2 | 3.7 | 144 | 3.9 | -2.3 | 3.1 | 5091 |
| 575 | 156 | 3.0 | -1.2 | 2.8 | 172 | 2.8 | -.4 | 2.7 | 193 | 4.0 | .9 | 3.9 | 152 | 3.2 | -1.5 | 2.8 | 4736 |
| 600 | 117 | 3.9 | -3.5 | 1.8 | 152 | 1.0 | -.5 | .9 | 176 | 3.0 | -.2 | 3.0 | 200 | 3.7 | 1.3 | 3.5 | 4393 |
| 625 | 98 | 5.8 | -5.8 | .8 | 90 | 4.0 | -4.0 | -.0 | 114 | 3.4 | -3.1 | 1.4 | 158 | 2.0 | -.7 | 1.8 | 4062 |
| 650 | 97 | 6.3 | -6.3 | .8 | 95 | 6.5 | -6.5 | .6 | 108 | 5.0 | -4.7 | 1.5 | 103 | 3.9 | -3.8 | .9 | 3742 |
| 675 | 105 | 11.9 | -11.5 | 3.2 | 115 | 9.4 | -8.5 | 4.0 | 124 | 8.5 | -7.0 | 4.8 | 107 | 5.4 | -5.2 | 1.5 | 3431 |
| 700 | 103 | 18.2 | -17.7 | 4.1 | 108 | 15.9 | -15.1 | 4.9 | 118 | 13.8 | -12.2 | 6.5 | 134 | 8.2 | -5.9 | 5.7 | 3130 |
| 725 | 95 | 20.2 | -20.2 | 1.8 | 95 | 19.4 | -19.3 | 1.6 | 103 | 16.3 | -15.9 | 3.7 | 117 | 13.3 | -11.9 | 6.0 | 2837 |
| 750 | 86 | 19.8 | -19.7 | -1.5 | 86 | 18.0 | -18.0 | -1.3 | 88 | 16.7 | -16.6 | -.6 | 95 | 17.0 | -16.9 | 1.6 | 2553 |
| 775 | 75 | 19.2 | -18.6 | -4.8 | 77 | 16.9 | -16.5 | -3.9 | 74 | 16.1 | -15.4 | -4.5 | 79 | 16.7 | -16.4 | -3.3 | 2276 |
| 800 | 69 | 18.6 | -17.4 | -6.8 | 71 | 17.3 | -16.3 | -5.7 | 68 | 15.9 | -14.7 | -6.1 | 66 | 15.4 | -14.0 | -6.3 | 2007 |
| 825 | 69 | 18.3 | -17.0 | -6.6 | 71 | 17.8 | -16.8 | -5.8 | 69 | 17.3 | -16.1 | -6.2 | 62 | 15.8 | -13.9 | -7.4 | 1745 |
| 850 | 69 | 18.5 | -17.3 | -6.5 | 71 | 17.8 | -16.8 | -5.9 | 70 | 17.5 | -16.4 | -6.1 | 62 | 16.8 | -14.8 | -7.9 | 1490 |
| 875 | 69 | 17.9 | -16.7 | -6.4 | 70 | 16.2 | -15.2 | -5.6 | 71 | 15.2 | -14.4 | -5.0 | 67 | 15.6 | -14.3 | -6.2 | 1242 |
| 900 | 70 | 16.5 | -15.6 | -5.6 | 75 | 14.3 | -13.8 | -3.7 | 76 | 13.6 | -13.2 | -3.4 | 75 | 13.4 | -12.9 | -3.5 | 999 |
| 925 | 74 | 14.8 | -14.3 | -4.1 | 86 | 13.1 | -13.0 | -1.0 | 82 | 12.8 | -12.7 | -1.7 | 85 | 12.4 | -12.4 | -1.0 | 762 |
| 950 | 78 | 12.1 | -11.8 | -2.4 | 94 | 11.6 | -11.5 | .7 | 91 | 10.7 | -10.7 | .2 | 98 | 11.9 | -11.8 | 1.7 | 529 |
| 975 | 83 | 7.9 | -7.9 | -.9 | 88 | 8.8 | -8.8 | -.3 | 105 | 8.1 | -7.8 | 2.1 | 110 | 9.8 | -9.2 | 3.3 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 7 2335 GMT | | | | 4/ 8 544 GMT | | | | 4/ 8 1217 GMT | | | | 4/ 8 1650 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 247 | 17.9 | 16.5 | 6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 243 | 14.8 | 13.2 | 6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 261 | 15.0 | 14.8 | 2.3 | | 257 | 17.3 | 16.8 | 3.8 | | 251 | 19.3 | 18.2 | 6.3 | | 261 | 18.3 | 18.1 | 2.7 | 18589 |
| 80 | | 265 | 12.4 | 12.3 | 1.1 | | 259 | 15.6 | 15.3 | 3.0 | | 253 | 17.9 | 17.2 | 5.2 | | 251 | 13.2 | 12.5 | 4.3 | 17801 |
| 90 | | 264 | 21.2 | 21.1 | 2.1 | | 255 | 19.1 | 18.4 | 5.0 | | 249 | 16.8 | 15.7 | 6.0 | | 257 | 16.5 | 16.1 | 3.7 | 17121 |
| 100 | | 297 | 25.2 | 22.4 | -11.4 | | 299 | 25.7 | 22.6 | -12.3 | | 277 | 21.9 | 21.8 | -2.5 | | 265 | 20.5 | 20.5 | 1.8 | 16521 |
| 110 | | 301 | 21.4 | 18.3 | -11.0 | | 289 | 23.9 | 22.6 | -7.7 | | 298 | 25.8 | 22.8 | -11.9 | | 301 | 26.5 | 22.6 | -13.8 | 15978 |
| 120 | | 293 | 14.0 | 12.9 | -5.4 | | 273 | 17.6 | 17.6 | -1.0 | | 281 | 18.7 | 18.4 | -3.5 | | 270 | 15.6 | 15.6 | -.0 | 15479 |
| 130 | | 271 | 6.9 | 6.9 | -.1 | | 252 | 9.0 | 8.6 | 2.8 | | 257 | 13.5 | 13.1 | 2.9 | | 230 | 14.9 | 11.4 | 9.6 | 15014 |
| 140 | | 189 | 8.3 | 1.2 | 8.3 | | 208 | 8.9 | 4.2 | 7.9 | | 216 | 15.1 | 9.0 | 12.1 | | 215 | 14.6 | 8.4 | 11.9 | 14578 |
| 150 | | 167 | 15.8 | -3.6 | 15.4 | | 184 | 13.6 | .8 | 13.6 | | 195 | 22.4 | 5.7 | 21.6 | | 194 | 19.9 | 4.8 | 19.3 | 14167 |
| 160 | | 168 | 22.7 | -4.8 | 22.1 | | 177 | 22.4 | -1.1 | 22.4 | | 183 | 28.7 | 1.7 | 28.6 | | 181 | 28.3 | .7 | 28.3 | 13776 |
| 170 | | 169 | 25.7 | -5.1 | 25.2 | | 178 | 27.7 | -1.1 | 27.7 | | 180 | 34.3 | -.1 | 34.3 | | 183 | 30.4 | 1.6 | 30.3 | 13404 |
| 180 | | 171 | 27.8 | -4.6 | 27.4 | | 179 | 27.4 | -.7 | 27.4 | | 182 | 34.0 | 1.2 | 34.0 | | 183 | 29.3 | 1.4 | 29.3 | 13049 |
| 190 | | 172 | 27.4 | -4.0 | 27.1 | | 183 | 30.1 | 1.6 | 30.0 | | 188 | 33.0 | 4.6 | 32.7 | | 182 | 30.0 | 1.1 | 30.0 | 12709 |
| 200 | | 180 | 24.3 | -.1 | 24.3 | | 188 | 29.2 | 3.9 | 28.9 | | 194 | 31.7 | 7.4 | 30.8 | | 183 | 32.2 | 1.8 | 32.1 | 12383 |
| 225 | | 188 | 19.9 | 2.6 | 19.8 | | 202 | 24.7 | 9.3 | 22.9 | | 202 | 27.2 | 10.0 | 25.2 | | 195 | 26.0 | 6.6 | 25.1 | 11617 |
| 250 | | 183 | 20.2 | 1.2 | 20.1 | | 207 | 22.2 | 10.3 | 19.7 | | 200 | 21.6 | 7.4 | 20.3 | | 213 | 18.4 | 10.0 | 15.4 | 10914 |
| 275 | | 190 | 14.3 | 2.6 | 14.0 | | 198 | 19.5 | 5.9 | 18.6 | | 221 | 16.8 | 10.9 | 12.7 | | 239 | 13.7 | 11.8 | 7.0 | 10262 |
| 300 | | 202 | 9.7 | 3.6 | 9.0 | | 220 | 14.3 | 9.1 | 11.0 | | 240 | 15.7 | 13.6 | 7.9 | | 249 | 13.3 | 12.4 | 4.8 | 9654 |
| 325 | | 239 | 6.6 | 5.7 | 3.4 | | 260 | 11.3 | 11.2 | 1.9 | | 272 | 13.2 | 13.2 | -.4 | | 265 | 12.4 | 12.4 | 1.2 | 9084 |
| 350 | | 280 | 6.3 | 6.2 | -1.1 | | 287 | 11.1 | 10.6 | -3.3 | | 297 | 15.4 | 13.8 | -6.9 | | 287 | 15.6 | 14.9 | -4.7 | 8546 |
| 375 | | 311 | 11.3 | 8.5 | -7.5 | | 311 | 14.8 | 11.2 | -9.7 | | 304 | 17.0 | 14.0 | -9.6 | | 295 | 17.5 | 15.9 | -7.3 | 8039 |
| 400 | | 339 | 11.6 | 4.1 | -10.8 | | 339 | 13.1 | 4.7 | -12.2 | | 324 | 14.1 | 8.3 | -11.4 | | 308 | 16.1 | 12.7 | -10.0 | 7557 |
| 425 | | 341 | 11.9 | 3.9 | -11.3 | | 344 | 13.1 | 3.7 | -12.6 | | 335 | 15.4 | 6.5 | -13.9 | | 320 | 12.1 | 7.8 | -9.2 | 7099 |
| 450 | | 351 | 13.0 | 2.0 | -12.9 | | 355 | 10.7 | .8 | -10.7 | | 337 | 7.5 | 2.9 | -7.0 | | 319 | 10.9 | 7.1 | -8.3 | 6662 |
| 475 | | 313 | 4.4 | 3.2 | -3.0 | | 306 | 3.7 | 3.0 | -2.2 | | 221 | 1.9 | 1.3 | 1.5 | | 288 | 3.7 | 3.5 | -1.2 | 6244 |
| 500 | | 62 | .7 | -.6 | -.3 | | 194 | 4.6 | 1.1 | 4.5 | | 220 | 6.4 | 4.1 | 4.9 | | 214 | 4.9 | 2.7 | 4.0 | 5844 |
| 525 | | 134 | 2.8 | -2.0 | 1.9 | | 176 | 6.3 | -.5 | 6.3 | | 211 | 8.0 | 4.1 | 6.9 | | 234 | 7.4 | 6.0 | 4.3 | 5460 |
| 550 | | 172 | 3.9 | -.5 | 3.8 | | 166 | 5.6 | -1.4 | 5.4 | | 222 | 7.5 | 5.0 | 5.6 | | 233 | 10.1 | 8.1 | 6.0 | 5091 |
| 575 | | 167 | 4.3 | -1.0 | 4.2 | | 180 | 3.8 | -.0 | 3.8 | | 210 | 6.3 | 3.2 | 5.5 | | 229 | 8.0 | 6.0 | 5.3 | 4736 |
| 600 | | 194 | 4.4 | 1.1 | 4.3 | | 177 | 3.5 | -.2 | 3.5 | | 208 | 4.8 | 2.3 | 4.3 | | 224 | 5.3 | 3.7 | 3.9 | 4393 |
| 625 | | 196 | 4.2 | 1.1 | 4.1 | | 188 | 3.6 | .5 | 3.6 | | 224 | 3.4 | 2.4 | 2.5 | | 248 | 3.2 | 3.0 | 1.2 | 4062 |
| 650 | | 182 | 3.3 | .1 | 3.3 | | 181 | 2.3 | .0 | 2.3 | | 222 | 3.2 | 2.2 | 2.4 | | 262 | 3.3 | 3.3 | .5 | 3742 |
| 675 | | 116 | 3.2 | -2.9 | 1.4 | | 92 | 1.5 | -1.5 | .1 | | 230 | 1.4 | 1.1 | .9 | | 283 | 2.9 | 2.8 | -.6 | 3431 |
| 700 | | 132 | 5.0 | -3.7 | 3.4 | | 120 | 4.3 | -3.7 | 2.2 | | 101 | 2.7 | -2.7 | .5 | | 49 | 2.1 | -1.6 | -1.4 | 3130 |
| 725 | | 125 | 10.4 | -8.6 | 6.0 | | 97 | 11.1 | -11.0 | 1.4 | | 99 | 9.3 | -9.2 | 1.4 | | 88 | 7.4 | -7.4 | -.3 | 2837 |
| 750 | | 100 | 14.4 | -14.2 | 2.4 | | 83 | 15.4 | -15.3 | -1.8 | | 83 | 13.7 | -13.6 | -1.6 | | 79 | 12.3 | -12.1 | -2.3 | 2553 |
| 775 | | 80 | 15.0 | -14.8 | -2.6 | | 80 | 15.0 | -14.8 | -2.6 | | 69 | 15.2 | -14.2 | -5.5 | | 75 | 15.2 | -14.7 | -3.8 | 2276 |
| 800 | | 65 | 14.9 | -13.5 | -6.3 | | 71 | 14.8 | -13.9 | -4.9 | | 64 | 14.5 | -13.1 | -6.2 | | 76 | 13.8 | -13.4 | -3.4 | 2007 |
| 825 | | 55 | 15.8 | -12.9 | -9.0 | | 63 | 15.8 | -14.1 | -7.3 | | 67 | 14.2 | -13.1 | -5.5 | | 77 | 13.5 | -13.1 | -3.1 | 1745 |
| 850 | | 59 | 16.5 | -14.2 | -8.4 | | 67 | 16.4 | -15.0 | -6.5 | | 73 | 16.0 | -15.3 | -4.7 | | 80 | 16.2 | -16.0 | -2.8 | 1490 |
| 875 | | 70 | 15.9 | -14.9 | -5.5 | | 76 | 16.4 | -15.9 | -4.0 | | 78 | 17.5 | -17.1 | -3.5 | | 81 | 17.7 | -17.5 | -2.7 | 1242 |
| 900 | | 77 | 14.9 | -14.5 | -3.4 | | 81 | 15.2 | -15.0 | -2.3 | | 82 | 16.4 | -16.3 | -2.2 | | 79 | 15.2 | -14.9 | -3.0 | 999 |
| 925 | | 86 | 13.8 | -13.7 | -1.0 | | 84 | 11.9 | -11.8 | -1.2 | | 87 | 13.5 | -13.5 | -.7 | | 80 | 13.0 | -12.8 | -2.3 | 762 |
| 950 | | 98 | 11.2 | -11.1 | 1.5 | | 92 | 9.0 | -9.0 | .4 | | 95 | 10.7 | -10.7 | .8 | | 89 | 12.0 | -12.0 | -.2 | 529 |
| 975 | | 108 | 7.0 | -6.7 | 2.2 | | 109 | 7.9 | -7.5 | 2.6 | | 105 | 8.1 | -7.9 | 2.1 | | 99 | 9.7 | -9.6 | 1.6 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 8 1930 GMT | | | | 4/ 8 2346 GMT | | | | 4/ 9 210 GMT | | | | 4/ 9 525 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 15.0 | 14.6 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 262 | 20.6 | 20.4 | 2.7 | | 259 | 22.8 | 22.4 | 4.2 | | 258 | 21.1 | 20.7 | 4.4 | 2 | 255 | 25.7 | 24.8 | 6.8 | 18589 |
| 80 | | 255 | 14.8 | 14.2 | 3.9 | | 255 | 13.6 | 13.2 | 3.5 | | 262 | 19.2 | 19.0 | 2.8 | 2 | 263 | 24.1 | 23.9 | 2.8 | 17801 |
| 90 | | 251 | 19.9 | 18.8 | 6.5 | | 250 | 20.4 | 19.1 | 7.1 | | 255 | 17.6 | 17.0 | 4.4 | 2 | 242 | 21.3 | 18.8 | 9.9 | 17121 |
| 100 | | 273 | 20.9 | 20.9 | -1.0 | | 268 | 17.5 | 17.5 | .5 | | 262 | 22.6 | 22.4 | 3.1 | 2 | 286 | 21.5 | 20.6 | -6.0 | 16521 |
| 110 | | 303 | 27.7 | 23.2 | -15.2 | | 307 | 27.2 | 21.7 | -16.4 | | 310 | 25.8 | 19.9 | -16.4 | 2 | 309 | 27.7 | 21.5 | -17.5 | 15978 |
| 120 | | 286 | 22.0 | 21.2 | -6.1 | | 289 | 25.4 | 24.0 | -8.1 | | 281 | 22.0 | 21.5 | -4.3 | 2 | 272 | 23.7 | 23.7 | -.7 | 15479 |
| 130 | | 266 | 17.7 | 17.7 | 1.1 | | 264 | 20.5 | 20.4 | 2.0 | | 260 | 16.3 | 16.0 | 2.8 | 2 | 265 | 22.5 | 22.4 | 2.1 | 15014 |
| 140 | | 251 | 16.8 | 15.9 | 5.4 | | 250 | 16.7 | 15.7 | 5.6 | | 241 | 13.5 | 11.7 | 6.6 | 2 | 256 | 19.1 | 18.5 | 4.8 | 14578 |
| 150 | | 220 | 15.3 | 9.9 | 11.8 | | 223 | 14.7 | 10.0 | 10.7 | | 214 | 15.9 | 8.9 | 13.2 | 2 | 235 | 16.3 | 13.3 | 9.4 | 14167 |
| 160 | | 187 | 23.2 | 2.6 | 23.0 | | 183 | 24.5 | 1.3 | 24.4 | | 189 | 22.2 | 3.4 | 21.9 | 2 | 198 | 24.2 | 7.4 | 23.1 | 13776 |
| 170 | | 175 | 31.1 | -2.5 | 31.0 | | 176 | 33.4 | -2.4 | 33.3 | | 171 | 30.0 | -4.9 | 29.6 | 2 | 174 | 27.2 | -2.7 | 27.0 | 13404 |
| 180 | | 174 | 33.1 | -3.6 | 32.9 | | 176 | 34.5 | -2.6 | 34.4 | | 171 | 30.8 | -5.1 | 30.3 | 2 | 175 | 28.7 | -2.6 | 28.6 | 13049 |
| 190 | | 175 | 32.5 | -2.6 | 32.4 | | 176 | 32.2 | -2.3 | 32.1 | | 174 | 30.5 | -3.3 | 30.3 | 2 | 173 | 27.7 | -3.1 | 27.5 | 12709 |
| 200 | | 179 | 28.8 | -.4 | 28.8 | | 180 | 28.0 | .1 | 28.0 | | 175 | 28.7 | -2.3 | 28.6 | 2 | 173 | 28.6 | -3.5 | 28.4 | 12383 |
| 225 | | 197 | 16.5 | 4.9 | 15.7 | | 215 | 18.6 | 10.8 | 15.1 | | 193 | 18.2 | 4.2 | 17.8 | 2 | 181 | 16.4 | .2 | 16.4 | 11617 |
| 250 | | 209 | 19.2 | 9.3 | 16.8 | | 244 | 15.7 | 14.2 | 6.8 | | 218 | 14.8 | 9.0 | 11.7 | 2 | 225 | 14.4 | 10.1 | 10.2 | 10914 |
| 275 | | 245 | 13.6 | 12.3 | 5.8 | | 251 | 14.8 | 14.0 | 4.9 | | 244 | 15.1 | 13.6 | 6.5 | 2 | 249 | 16.6 | 15.5 | 5.9 | 10262 |
| 300 | | 257 | 13.8 | 13.4 | 3.2 | | 259 | 14.1 | 13.9 | 2.6 | | 259 | 12.4 | 12.1 | 2.4 | 2 | 255 | 17.7 | 17.1 | 4.6 | 9654 |
| 325 | | 271 | 11.4 | 11.4 | -.3 | | 279 | 14.9 | 14.7 | -2.2 | | 282 | 14.7 | 14.4 | -3.1 | 2 | 269 | 15.4 | 15.4 | .2 | 9084 |
| 350 | | 291 | 15.4 | 14.4 | -5.4 | | 284 | 16.7 | 16.2 | -4.1 | | 284 | 17.4 | 16.9 | -4.1 | 2 | 285 | 18.6 | 18.0 | -4.7 | 8546 |
| 375 | | 290 | 17.3 | 16.2 | -6.0 | | 276 | 18.5 | 18.4 | -2.0 | | 274 | 19.0 | 18.9 | -1.4 | 2 | 273 | 17.1 | 17.0 | -.9 | 8039 |
| 400 | | 301 | 16.7 | 14.3 | -8.6 | | 287 | 19.1 | 18.2 | -5.7 | | 284 | 18.4 | 17.9 | -4.3 | 2 | 277 | 15.5 | 15.4 | -2.0 | 7557 |
| 425 | | 300 | 13.2 | 11.5 | -6.5 | | 287 | 17.4 | 16.6 | -5.1 | | 286 | 16.9 | 16.3 | -4.6 | 2 | 271 | 14.7 | 14.6 | -.3 | 7099 |
| 450 | | 317 | 8.8 | 6.0 | -6.4 | | 295 | 11.9 | 10.8 | -5.1 | | 292 | 11.9 | 11.0 | -4.5 | 2 | 286 | 7.8 | 7.5 | -2.2 | 6662 |
| 475 | | 299 | 6.1 | 5.3 | -3.0 | | 296 | 6.8 | 6.1 | -3.0 | | 299 | 6.6 | 5.7 | -3.2 | 2 | 284 | 3.2 | 3.1 | -.8 | 6244 |
| 500 | | 223 | 4.3 | 2.9 | 3.1 | | 270 | 4.2 | 4.2 | -.0 | | 272 | 4.5 | 4.5 | -.1 | 2 | 256 | 3.3 | 3.2 | .8 | 5844 |
| 525 | | 230 | 8.3 | 6.4 | 5.3 | | 248 | 6.9 | 6.4 | 2.6 | | 258 | 5.9 | 5.7 | 1.3 | 2 | 242 | 7.2 | 6.3 | 3.3 | 5460 |
| 550 | | 241 | 9.9 | 8.7 | 4.8 | | 241 | 9.3 | 8.2 | 4.5 | | 239 | 9.2 | 7.9 | 4.7 | 2 | 227 | 10.8 | 7.9 | 7.3 | 5091 |
| 575 | | 233 | 8.1 | 6.4 | 4.9 | | 227 | 9.7 | 7.1 | 6.6 | | 225 | 10.2 | 7.1 | 7.3 | 2 | 223 | 10.1 | 6.8 | 7.4 | 4736 |
| 600 | | 230 | 6.5 | 5.0 | 4.2 | | 230 | 7.8 | 6.0 | 5.0 | | 229 | 7.7 | 5.8 | 5.0 | 2 | 238 | 9.1 | 7.7 | 4.9 | 4393 |
| 625 | | 267 | 3.5 | 3.5 | .2 | | 245 | 5.3 | 4.8 | 2.2 | | 243 | 5.4 | 4.8 | 2.5 | 2 | 273 | 5.1 | 5.1 | -.2 | 4062 |
| 650 | | 271 | 4.9 | 4.9 | -.1 | | 276 | 4.7 | 4.7 | -.5 | | 272 | 4.5 | 4.5 | -.2 | 2 | 297 | 4.7 | 4.2 | -2.1 | 3742 |
| 675 | | 300 | 3.5 | 3.0 | -1.7 | | 308 | 2.5 | 2.0 | -1.5 | | 320 | 3.0 | 2.0 | -2.3 | 2 | 287 | 6.1 | 5.8 | -1.8 | 3431 |
| 700 | | 60 | 3.0 | -2.6 | -1.5 | | 86 | 2.1 | -2.1 | -.2 | | 59 | 2.5 | -2.2 | -1.3 | 2 | 24 | 3.9 | -1.6 | -3.6 | 3130 |
| 725 | | 90 | 6.8 | -6.8 | -.0 | | 90 | 6.4 | -6.4 | -.0 | | 83 | 6.7 | -6.6 | -.8 | 2 | 69 | 5.6 | -5.2 | -2.0 | 2837 |
| 750 | | 86 | 11.6 | -11.6 | -.7 | | 81 | 12.5 | -12.4 | -2.0 | | 78 | 11.6 | -11.3 | -2.4 | 2 | 72 | 7.3 | -7.0 | -2.2 | 2553 |
| 775 | | 87 | 13.2 | -13.2 | -.7 | | 78 | 15.4 | -15.0 | -3.2 | | 73 | 15.2 | -14.5 | -4.5 | 2 | 66 | 18.4 | -16.8 | -7.6 | 2276 |
| 800 | | 83 | 13.4 | -13.4 | -1.6 | | 79 | 15.5 | -15.3 | -2.8 | | 71 | 15.5 | -14.7 | -5.0 | 2 | 71 | 20.2 | -19.0 | -6.7 | 2007 |
| 825 | | 79 | 18.4 | -18.0 | -3.4 | | 83 | 17.4 | -17.3 | -2.0 | | 74 | 15.3 | -14.7 | -4.1 | 2 | 75 | 16.9 | -16.3 | -4.5 | 1745 |
| 850 | | 75 | 18.6 | -18.0 | -4.8 | | 81 | 17.7 | -17.5 | -2.6 | | 72 | 15.5 | -14.8 | -4.7 | 2 | 73 | 17.9 | -17.2 | -5.1 | 1490 |
| 875 | | 66 | 14.3 | -13.0 | -5.8 | | 73 | 15.2 | -14.5 | -4.4 | | 69 | 15.0 | -14.0 | -5.4 | 3 | 72 | 15.4 | -14.6 | -4.9 | 1242 |
| 900 | | 65 | 13.6 | -12.2 | -5.8 | | 73 | 13.7 | -13.1 | -4.0 | | 75 | 13.9 | -13.4 | -3.6 | | 78 | 13.2 | -13.0 | -2.7 | 999 |
| 925 | | 83 | 14.0 | -13.9 | -1.8 | | 86 | 13.1 | -13.0 | -.9 | | 88 | 12.7 | -12.7 | -.5 | | 94 | 11.8 | -11.8 | .8 | 762 |
| 950 | | 101 | 13.6 | -13.4 | 2.5 | | 99 | 11.4 | -11.2 | 1.8 | | 101 | 11.3 | -11.1 | 2.1 | | 104 | 9.7 | -9.4 | 2.4 | 529 |
| 975 | | 106 | 12.1 | -11.6 | 3.3 | | 112 | 8.4 | -7.8 | 3.2 | | 110 | 9.0 | -8.5 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/ 9 12 0 GMT | | | | 4/10 540 GMT | | | | 4/10 1151 GMT | | | | 4/10 1643 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 300 | 15.3 | 13.3 | -7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 282 | 21.3 | 20.9 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 260 | 21.6 | 21.3 | 3.7 | 3 | 287 | 15.4 | 14.7 | -4.6 | | 264 | 25.5 | 25.3 | 2.6 | | 270 | 21.0 | 21.0 | .0 | 18589 |
| 80 | | 267 | 25.3 | 25.3 | 1.5 | | 293 | 16.1 | 14.8 | -6.3 | | 253 | 23.5 | 22.4 | 6.9 | | 263 | 23.9 | 23.8 | 2.7 | 17801 |
| 90 | | 255 | 24.0 | 23.2 | 6.2 | | 252 | 20.2 | 19.2 | 6.3 | | 269 | 20.6 | 20.6 | .3 | | 254 | 23.0 | 22.1 | 6.2 | 17121 |
| 100 | | 302 | 23.6 | 20.0 | -12.4 | | 246 | 21.4 | 19.6 | 8.6 | | 306 | 6.4 | 5.1 | -3.8 | | 285 | 9.1 | 8.8 | -2.3 | 16521 |
| 110 | | 285 | 26.7 | 25.8 | -6.9 | | 268 | 20.6 | 20.6 | .7 | | 318 | 17.1 | 11.6 | -12.7 | | 336 | 14.7 | 5.9 | -13.5 | 15978 |
| 120 | | 275 | 25.7 | 25.7 | -2.0 | | 308 | 10.4 | 8.2 | -6.4 | | 309 | 19.3 | 15.1 | -12.0 | | 321 | 27.4 | 17.0 | -21.4 | 15479 |
| 130 | | 269 | 23.8 | 23.8 | .6 | | 304 | 14.9 | 12.3 | -8.4 | | 293 | 18.1 | 16.6 | -7.0 | | 314 | 21.6 | 15.5 | -15.1 | 15014 |
| 140 | | 269 | 19.9 | 19.9 | .5 | | 306 | 17.7 | 14.4 | -10.4 | | 286 | 17.3 | 16.6 | -4.9 | | 298 | 16.0 | 14.2 | -7.4 | 14578 |
| 150 | | 263 | 20.3 | 20.1 | 2.5 | | 300 | 14.4 | 12.5 | -7.2 | | 275 | 18.2 | 18.2 | -1.6 | | 284 | 17.0 | 16.5 | -4.0 | 14167 |
| 160 | | 262 | 19.0 | 18.8 | 2.8 | | 290 | 13.6 | 12.8 | -4.6 | | 266 | 17.3 | 17.3 | 1.1 | | 266 | 17.0 | 17.0 | 1.1 | 13776 |
| 170 | | 227 | 16.1 | 11.7 | 11.0 | | 282 | 15.3 | 14.9 | -3.2 | | 263 | 15.0 | 14.8 | 1.9 | | 261 | 15.1 | 14.9 | 2.3 | 13404 |
| 180 | 2 | 190 | 20.0 | 3.6 | 19.7 | | 265 | 18.8 | 18.8 | 1.6 | | 243 | 14.4 | 12.9 | 6.6 | | 260 | 14.4 | 14.1 | 2.5 | 13049 |
| 190 | 0 | 183 | 24.2 | 1.3 | 24.2 | | 259 | 13.6 | 13.4 | 2.6 | | 218 | 15.7 | 9.6 | 12.3 | | 238 | 11.6 | 9.9 | 6.1 | 12709 |
| 200 | 1 | 181 | 24.7 | .4 | 24.7 | | 246 | 13.2 | 12.1 | 5.4 | | 197 | 17.2 | 5.0 | 16.5 | | 205 | 15.1 | 6.4 | 13.6 | 12383 |
| 225 | | 186 | 23.6 | 2.7 | 23.4 | | 189 | 18.7 | 3.1 | 18.5 | | 180 | 15.7 | -.1 | 15.7 | | 189 | 19.1 | 3.0 | 18.9 | 11617 |
| 250 | | 203 | 13.9 | 5.4 | 12.8 | | 183 | 19.2 | 1.0 | 19.1 | | 185 | 13.6 | 1.2 | 13.5 | | 180 | 13.7 | -.0 | 13.7 | 10914 |
| 275 | | 242 | 13.9 | 12.3 | 6.5 | | 179 | 15.7 | -.4 | 15.7 | | 202 | 12.5 | 4.7 | 11.6 | | 189 | 12.6 | 1.9 | 12.5 | 10262 |
| 300 | | 247 | 18.1 | 16.7 | 7.0 | | 205 | 11.2 | 4.8 | 10.1 | | 241 | 13.0 | 11.3 | 6.3 | | 246 | 7.2 | 6.6 | 2.9 | 9654 |
| 325 | | 254 | 17.2 | 16.5 | 4.8 | | 237 | 10.9 | 9.1 | 6.0 | | 259 | 10.2 | 10.0 | 1.9 | | 262 | 9.5 | 9.5 | 1.3 | 9084 |
| 350 | | 267 | 19.0 | 19.0 | 1.2 | | 241 | 9.6 | 8.4 | 4.6 | | 255 | 9.1 | 8.7 | 2.4 | | 258 | 11.3 | 11.0 | 2.4 | 8546 |
| 375 | | 278 | 16.7 | 16.5 | -2.4 | | 266 | 12.4 | 12.4 | .8 | | 256 | 9.6 | 9.3 | 2.3 | | 254 | 12.5 | 12.0 | 3.4 | 8039 |
| 400 | | 279 | 12.6 | 12.5 | -2.0 | | 253 | 11.5 | 11.0 | 3.3 | | 283 | 11.8 | 11.5 | -2.7 | | 287 | 10.6 | 10.2 | -3.1 | 7557 |
| 425 | | 276 | 15.6 | 15.5 | -1.6 | | 271 | 11.2 | 11.2 | -.3 | | 289 | 11.2 | 10.6 | -3.6 | | 281 | 10.1 | 9.9 | -2.0 | 7099 |
| 450 | | 262 | 15.3 | 15.1 | 2.2 | | 282 | 9.9 | 9.7 | -2.0 | | 287 | 10.7 | 10.3 | -3.1 | | 284 | 9.2 | 8.9 | -2.3 | 6662 |
| 475 | | 277 | 11.7 | 11.6 | -1.5 | | 261 | 10.9 | 10.7 | 1.6 | | 268 | 8.8 | 8.8 | .4 | | 281 | 9.5 | 9.3 | -1.8 | 6244 |
| 500 | | 272 | 5.8 | 5.8 | -.2 | | 257 | 10.0 | 9.8 | 2.2 | | 270 | 10.8 | 10.8 | .1 | | 270 | 11.1 | 11.1 | .1 | 5844 |
| 525 | | 254 | 7.3 | 7.0 | 1.9 | | 243 | 8.5 | 7.5 | 3.9 | | 260 | 11.2 | 11.0 | 1.9 | | 272 | 12.0 | 12.0 | -.4 | 5460 |
| 550 | | 237 | 10.2 | 8.6 | 5.5 | | 226 | 9.2 | 6.6 | 6.3 | | 240 | 9.6 | 8.3 | 4.8 | | 259 | 10.4 | 10.2 | 1.9 | 5091 |
| 575 | | 224 | 11.3 | 7.9 | 8.1 | | 219 | 9.9 | 6.3 | 7.7 | | 222 | 8.4 | 5.6 | 6.2 | | 238 | 8.2 | 6.9 | 4.4 | 4736 |
| 600 | | 228 | 9.0 | 6.7 | 6.0 | | 227 | 8.6 | 6.2 | 5.9 | | 221 | 8.9 | 5.9 | 6.7 | | 218 | 6.0 | 3.6 | 4.7 | 4393 |
| 625 | | 253 | 6.4 | 6.1 | 1.9 | 2 | 253 | 6.3 | 6.0 | 1.9 | | 242 | 7.9 | 7.0 | 3.7 | | 226 | 5.6 | 4.0 | 3.9 | 4062 |
| 650 | | 297 | 6.0 | 5.4 | -2.7 | 0 | 291 | 7.2 | 6.7 | -2.6 | | 284 | 7.5 | 7.3 | -1.9 | | 254 | 7.5 | 7.2 | 2.1 | 3742 |
| 675 | | 319 | 6.2 | 4.0 | -4.7 | 1 | 311 | 6.5 | 4.9 | -4.3 | | 311 | 7.9 | 5.9 | -5.2 | | 277 | 9.2 | 9.2 | -1.2 | 3431 |
| 700 | | 341 | 4.1 | 1.3 | -3.9 | | 323 | 4.8 | 2.9 | -3.9 | | 318 | 7.0 | 4.7 | -5.3 | | 292 | 8.9 | 8.3 | -3.4 | 3130 |
| 725 | | 49 | 3.2 | -2.4 | -2.1 | | 312 | 1.8 | 1.3 | -1.2 | | 321 | 4.5 | 2.8 | -3.5 | | 296 | 6.9 | 6.2 | -3.0 | 2837 |
| 750 | | 83 | 7.6 | -7.6 | -.9 | | 117 | 3.8 | -3.4 | 1.7 | | 56 | 1.0 | -.8 | -.6 | | 265 | 2.2 | 2.1 | .2 | 2553 |
| 775 | | 88 | 12.6 | -12.6 | -.4 | | 103 | 10.2 | -9.9 | 2.3 | | 101 | 6.3 | -6.2 | 1.2 | | 121 | 4.6 | -3.9 | 2.4 | 2276 |
| 800 | | 88 | 14.5 | -14.5 | -.4 | | 97 | 13.2 | -13.1 | 1.7 | | 95 | 11.1 | -11.1 | .9 | | 108 | 9.6 | -9.2 | 2.9 | 2007 |
| 825 | | 89 | 14.2 | -14.2 | -.1 | | 98 | 12.6 | -12.5 | 1.7 | | 97 | 13.2 | -13.1 | 1.6 | | 107 | 12.5 | -12.0 | 3.6 | 1745 |
| 850 | | 90 | 15.5 | -15.5 | -.0 | | 100 | 11.2 | -11.0 | 1.9 | | 103 | 12.7 | -12.4 | 2.9 | | 110 | 13.1 | -12.4 | 4.4 | 1490 |
| 875 | | 92 | 16.4 | -16.4 | .7 | | 100 | 9.7 | -9.5 | 1.7 | | 106 | 10.9 | -10.5 | 3.0 | | 113 | 12.6 | -11.6 | 4.9 | 1242 |
| 900 | | 95 | 15.1 | -15.0 | 1.3 | | 94 | 8.7 | -8.6 | .7 | | 107 | 9.1 | -8.7 | 2.6 | | 115 | 11.4 | -10.3 | 4.8 | 999 |
| 925 | | 94 | 12.7 | -12.7 | .8 | | 88 | 8.2 | -8.2 | -.2 | | 108 | 7.6 | -7.2 | 2.4 | | 116 | 9.1 | -8.2 | 3.9 | 762 |
| 950 | | 92 | 10.7 | -10.7 | .4 | | 89 | 7.0 | -7.0 | -.1 | | 116 | 5.6 | -5.0 | 2.4 | | 115 | 6.0 | -5.4 | 2.5 | 529 |
| 975 | | 97 | 8.9 | -8.8 | 1.0 | | 103 | 5.0 | -4.9 | 1.1 | | 145 | 3.5 | -2.0 | 2.9 | | 111 | 4.3 | -4.0 | 1.5 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/10 1933 GMT | | | | 4/10 2250 GMT | | | | 4/11 142 GMT | | | | 4/11 5 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 13.2 | 13.1 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 268 | 28.1 | 28.1 | 1.1 | | 257 | 19.1 | 18.7 | 4.3 | | 252 | 23.3 | 22.2 | 7.1 | | 249 | 22.2 | 20.7 | 8.0 | 18589 |
| 80 | | 248 | 23.0 | 21.3 | 8.7 | | 260 | 26.1 | 25.7 | 4.5 | | 252 | 23.1 | 22.0 | 7.0 | | 258 | 22.4 | 21.9 | 4.7 | 17801 |
| 90 | | 268 | 16.1 | 16.1 | .6 | | 247 | 23.5 | 21.7 | 9.0 | | 252 | 24.3 | 23.1 | 7.4 | | 231 | 26.6 | 20.7 | 16.6 | 17121 |
| 100 | | 329 | 10.1 | 5.3 | -8.6 | | 296 | 12.5 | 11.3 | -5.4 | | 311 | 7.8 | 5.9 | -5.2 | | 258 | 15.5 | 15.1 | 3.2 | 16521 |
| 110 | | 332 | 23.2 | 10.9 | -20.5 | | 334 | 21.7 | 9.6 | -19.5 | | 339 | 22.7 | 8.2 | -21.2 | | 346 | 16.6 | 4.1 | -16.1 | 15978 |
| 120 | | 316 | 24.1 | 16.6 | -17.4 | | 327 | 28.6 | 15.6 | -24.1 | | 332 | 31.8 | 15.1 | -28.0 | | 327 | 31.7 | 17.4 | -26.6 | 15479 |
| 130 | | 307 | 20.0 | 15.9 | -12.2 | | 316 | 24.2 | 16.8 | -17.4 | | 323 | 26.0 | 15.6 | -20.8 | | 322 | 26.8 | 16.6 | -21.1 | 15014 |
| 140 | | 289 | 15.7 | 14.9 | -5.1 | | 297 | 19.2 | 17.1 | -8.7 | | 306 | 20.9 | 16.8 | -12.4 | | 318 | 16.4 | 10.9 | -12.2 | 14578 |
| 150 | | 256 | 12.0 | 11.7 | 2.8 | | 284 | 14.1 | 13.6 | -3.5 | | 278 | 12.6 | 12.5 | -1.7 | | 294 | 7.4 | 6.8 | -3.0 | 14167 |
| 160 | | 247 | 10.1 | 9.3 | 3.9 | | 269 | 9.0 | 9.0 | .1 | | 231 | 6.8 | 5.3 | 4.3 | | 288 | 3.5 | 3.4 | -1.1 | 13776 |
| 170 | | 243 | 10.0 | 8.9 | 4.6 | | 244 | 8.3 | 7.5 | 3.6 | | 213 | 7.4 | 4.0 | 6.2 | | 263 | 3.1 | 3.1 | .4 | 13404 |
| 180 | | 232 | 10.2 | 8.0 | 6.2 | | 227 | 8.9 | 6.5 | 6.1 | | 193 | 13.0 | 2.9 | 12.7 | | 201 | 5.2 | 1.9 | 4.8 | 13049 |
| 190 | | 207 | 10.6 | 4.8 | 9.4 | | 206 | 11.0 | 4.9 | 9.9 | | 179 | 20.0 | -.5 | 20.0 | | 185 | 14.1 | 1.3 | 14.1 | 12709 |
| 200 | | 194 | 15.7 | 3.7 | 15.3 | | 190 | 14.4 | 2.5 | 14.2 | | 177 | 20.1 | -1.2 | 20.1 | | 186 | 17.1 | 1.7 | 17.0 | 12383 |
| 225 | | 198 | 16.1 | 5.0 | 15.3 | | 196 | 14.0 | 3.9 | 13.4 | | 191 | 13.6 | 2.5 | 13.4 | | 182 | 18.6 | .7 | 18.6 | 11617 |
| 250 | | 194 | 11.3 | 2.8 | 11.0 | | 200 | 10.7 | 3.6 | 10.1 | | 205 | 10.1 | 4.2 | 9.2 | | 175 | 10.4 | -.8 | 10.4 | 10914 |
| 275 | | 200 | 11.3 | 3.9 | 10.6 | | 197 | 9.4 | 2.8 | 9.0 | | 216 | 8.5 | 5.0 | 6.8 | | 207 | 6.9 | 3.1 | 6.1 | 10262 |
| 300 | | 235 | 8.8 | 7.2 | 5.0 | | 242 | 6.5 | 5.7 | 3.0 | | 206 | 11.0 | 4.9 | 9.9 | | 217 | 7.6 | 4.6 | 6.0 | 9654 |
| 325 | | 257 | 11.5 | 11.2 | 2.5 | | 265 | 8.1 | 8.1 | .7 | | 255 | 10.2 | 9.9 | 2.6 | | 228 | 7.4 | 5.5 | 4.9 | 9084 |
| 350 | | 254 | 10.3 | 9.9 | 2.9 | | 245 | 8.7 | 7.9 | 3.7 | | 258 | 8.2 | 8.1 | 1.7 | | 262 | 9.3 | 9.2 | 1.3 | 8546 |
| 375 | | 236 | 11.5 | 9.6 | 6.4 | | 242 | 11.4 | 10.1 | 5.4 | 3 | 247 | 10.0 | 9.2 | 4.0 | | 246 | 10.2 | 9.3 | 4.2 | 8039 |
| 400 | | 273 | 9.3 | 9.3 | -.5 | | 265 | 10.0 | 9.9 | .8 | | 274 | 11.9 | 11.8 | -.8 | | 277 | 12.5 | 12.4 | -1.5 | 7557 |
| 425 | | 285 | 9.1 | 8.8 | -2.3 | | 272 | 9.5 | 9.5 | -.4 | | 277 | 9.2 | 9.2 | -1.2 | | 274 | 10.9 | 10.9 | -.8 | 7099 |
| 450 | | 276 | 5.7 | 5.7 | -.6 | | 260 | 7.8 | 7.7 | 1.3 | | 270 | 7.9 | 7.9 | -.0 | | 270 | 9.5 | 9.5 | .0 | 6662 |
| 475 | | 278 | 11.5 | 11.4 | -1.6 | | 272 | 8.2 | 8.2 | -.3 | | 267 | 9.3 | 9.2 | .5 | | 274 | 10.7 | 10.7 | -.7 | 6244 |
| 500 | | 264 | 9.4 | 9.4 | .9 | | 260 | 9.2 | 9.1 | 1.6 | | 256 | 10.8 | 10.4 | 2.6 | | 264 | 12.0 | 11.9 | 1.2 | 5844 |
| 525 | | 275 | 11.7 | 11.7 | -1.0 | | 262 | 11.8 | 11.7 | 1.6 | | 259 | 12.6 | 12.4 | 2.3 | | 264 | 11.6 | 11.5 | 1.2 | 5460 |
| 550 | | 269 | 10.6 | 10.6 | .1 | | 269 | 12.4 | 12.4 | .3 | | 266 | 12.3 | 12.3 | .9 | | 266 | 10.9 | 10.9 | .7 | 5091 |
| 575 | | 247 | 6.9 | 6.3 | 2.7 | | 263 | 10.7 | 10.6 | 1.4 | | 259 | 9.6 | 9.4 | 1.8 | | 268 | 11.0 | 11.0 | .4 | 4736 |
| 600 | | 207 | 4.2 | 1.9 | 3.8 | | 241 | 5.9 | 5.1 | 2.9 | | 231 | 5.7 | 4.4 | 3.6 | | 245 | 5.9 | 5.3 | 2.5 | 4393 |
| 625 | | 219 | 3.8 | 2.4 | 2.9 | | 227 | 3.8 | 2.8 | 2.6 | | 224 | 4.5 | 3.2 | 3.2 | | 212 | 3.3 | 1.8 | 2.8 | 4062 |
| 650 | | 256 | 6.3 | 6.1 | 1.5 | | 250 | 5.4 | 5.1 | 1.8 | | 241 | 5.7 | 5.0 | 2.7 | | 247 | 4.3 | 4.0 | 1.7 | 3742 |
| 675 | | 269 | 9.7 | 9.7 | .2 | | 263 | 8.6 | 8.5 | 1.1 | | 260 | 9.1 | 8.9 | 1.6 | | 264 | 8.3 | 8.2 | .9 | 3431 |
| 700 | | 282 | 9.2 | 9.0 | -1.9 | | 276 | 9.8 | 9.7 | -1.0 | | 273 | 11.1 | 11.1 | -.5 | | 272 | 11.5 | 11.4 | -.4 | 3130 |
| 725 | | 300 | 6.4 | 5.5 | -3.1 | | 290 | 7.2 | 6.8 | -2.4 | | 281 | 8.0 | 7.8 | -1.6 | | 282 | 9.5 | 9.3 | -2.0 | 2837 |
| 750 | | 276 | 2.2 | 2.2 | -.2 | | 267 | 1.6 | 1.6 | .1 | | 258 | 2.3 | 2.3 | .5 | | 263 | 3.3 | 3.3 | .4 | 2553 |
| 775 | | 133 | 3.7 | -2.7 | 2.6 | | 124 | 5.0 | -4.1 | 2.8 | | 136 | 4.2 | -2.9 | 3.1 | | 154 | 4.7 | -2.1 | 4.2 | 2276 |
| 800 | | 113 | 8.8 | -8.1 | 3.5 | | 109 | 9.0 | -8.5 | 3.0 | | 114 | 8.6 | -7.9 | 3.5 | | 126 | 9.3 | -7.5 | 5.4 | 2007 |
| 825 | | 114 | 11.7 | -10.7 | 4.8 | | 107 | 10.3 | -9.9 | 3.0 | 3 | 108 | 12.5 | -11.9 | 3.9 | | 110 | 12.8 | -12.0 | 4.4 | 1745 |
| 850 | | 120 | 12.1 | -10.5 | 6.1 | | 115 | 10.2 | -9.2 | 4.4 | | 111 | 14.6 | -13.6 | 5.3 | | 108 | 13.4 | -12.8 | 4.1 | 1490 |
| 875 | | 120 | 11.8 | -10.2 | 6.0 | | 121 | 10.6 | -9.1 | 5.4 | | 114 | 13.6 | -12.4 | 5.6 | | 110 | 12.6 | -11.8 | 4.3 | 1242 |
| 900 | | 115 | 11.3 | -10.2 | 4.8 | | 121 | 11.0 | -9.4 | 5.7 | | 116 | 10.3 | -9.3 | 4.4 | | 105 | 10.3 | -9.9 | 2.7 | 999 |
| 925 | | 114 | 9.6 | -8.7 | 3.9 | | 123 | 10.5 | -8.8 | 5.7 | | 118 | 7.0 | -6.2 | 3.3 | | 104 | 7.5 | -7.2 | 1.7 | 762 |
| 950 | | 117 | 7.5 | -6.6 | 3.4 | | 124 | 8.5 | -7.0 | 4.7 | | 122 | 4.7 | -4.0 | 2.5 | | 119 | 5.4 | -4.7 | 2.6 | 529 |
| 975 | | 117 | 6.2 | -5.5 | 2.8 | | 120 | 4.6 | -4.0 | 2.3 | | 129 | 3.0 | -2.3 | 1.9 | | 121 | 3.7 | -3.1 | 1.9 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/11 1133 GMT | | | | 4/11 1732 GMT | | | | 4/11 2345 GMT | | | | 4/12 531 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 257 | 14.0 | 13.7 | 3.2 | 0 0 | 0.0 | 0.0 | 0.0 | 235 | 15.5 | 12.8 | 8.8 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 253 | 22.0 | 21.1 | 6.5 | 258 | 16.9 | 16.5 | 3.6 | 246 | 17.3 | 15.8 | 7.1 | 0 0 | 0.0 | 0.0 | 0.0 | 18589 |
| 80 | 252 | 21.5 | 20.5 | 6.5 | 274 | 20.9 | 20.8 | -1.5 | 273 | 20.0 | 20.0 | -1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 17801 |
| 90 | 244 | 23.4 | 21.0 | 10.4 | 246 | 21.2 | 19.3 | 8.8 | 248 | 20.3 | 18.8 | 7.7 | 0 0 | 0.0 | 0.0 | 0.0 | 17121 |
| 100 | 263 | 11.2 | 11.1 | 1.5 | 243 | 16.3 | 14.5 | 7.5 | 243 | 21.8 | 19.5 | 9.9 | 0 0 | 0.0 | 0.0 | 0.0 | 16521 |
| 110 | 335 | 12.0 | 5.1 | -10.9 | 336 | 6.7 | 2.7 | -6.1 | 231 | 11.0 | 8.6 | 6.9 | 0 0 | 0.0 | 0.0 | 0.0 | 15978 |
| 120 | 330 | 27.5 | 13.6 | -23.9 | 330 | 20.9 | 10.3 | -18.1 | 342 | 11.3 | 3.5 | -10.7 | 284 | 6.4 | 6.2 | -1.5 | 15479 |
| 130 | 328 | 29.7 | 15.7 | -25.2 | 325 | 20.9 | 12.1 | -17.0 | 333 | 22.1 | 9.9 | -19.7 | 329 | 20.9 | 10.7 | -17.9 | 15014 |
| 140 | 319 | 24.3 | 15.9 | -18.4 | 320 | 21.6 | 13.8 | -16.7 | 328 | 19.7 | 10.4 | -16.7 | 324 | 17.7 | 10.4 | -14.4 | 14578 |
| 150 | 317 | 20.1 | 13.6 | -14.7 | 320 | 21.4 | 13.8 | -16.3 | 326 | 17.5 | 9.7 | -14.6 | 327 | 15.4 | 8.3 | -13.0 | 14167 |
| 160 | 316 | 15.0 | 10.4 | -10.8 | 321 | 17.1 | 10.7 | -13.3 | 332 | 14.9 | 6.9 | -13.2 | 328 | 13.0 | 7.0 | -11.0 | 13776 |
| 170 | 314 | 8.5 | 6.1 | -5.8 | 328 | 12.3 | 6.6 | -10.3 | 344 | 11.7 | 3.1 | -11.2 | 332 | 9.1 | 4.2 | -8.0 | 13404 |
| 180 | 245 | 5.0 | 4.5 | 2.1 | 308 | 5.1 | 4.0 | -3.2 | 341 | 7.4 | 2.4 | -7.0 | 319 | 4.0 | 2.7 | -3.0 | 13049 |
| 190 | 236 | 7.4 | 6.2 | 4.1 | 244 | 6.4 | 5.8 | 2.8 | 316 | 3.6 | 2.5 | -2.6 | 254 | 2.2 | 2.1 | .6 | 12709 |
| 200 | 228 | 8.8 | 6.6 | 5.9 | 246 | 7.9 | 7.2 | 3.3 | 262 | 1.2 | 1.2 | .2 | 185 | 3.5 | .3 | 3.5 | 12383 |
| 225 | 177 | 12.0 | -.6 | 12.0 | 210 | 8.9 | 4.5 | 7.7 | 160 | 8.4 | -2.9 | 7.9 | 165 | 14.8 | -3.9 | 14.3 | 11617 |
| 250 | 166 | 12.7 | -3.0 | 12.4 | 177 | 10.6 | -.5 | 10.6 | 155 | 14.9 | -6.2 | 13.5 | 167 | 16.4 | -3.8 | 15.9 | 10914 |
| 275 | 176 | 8.0 | -.5 | 8.0 | 175 | 9.7 | -.9 | 9.7 | 184 | 6.1 | .5 | 6.0 | 173 | 11.1 | -1.4 | 11.0 | 10262 |
| 300 | 214 | 5.3 | 2.9 | 4.4 | 225 | 4.6 | 3.2 | 3.2 | 252 | 5.2 | 4.9 | 1.6 | 222 | 4.7 | 3.2 | 3.5 | 9654 |
| 325 | 221 | 4.9 | 3.2 | 3.7 | 253 | 4.4 | 4.2 | 1.3 | 263 | 7.8 | 7.7 | 1.0 | 266 | 9.4 | 9.3 | .7 | 9084 |
| 350 | 210 | 4.7 | 2.3 | 4.1 | 239 | 6.3 | 5.4 | 3.2 | 227 | 6.7 | 4.9 | 4.5 | 228 | 7.9 | 5.9 | 5.3 | 8546 |
| 375 | 246 | 9.1 | 8.4 | 3.7 | 242 | 8.2 | 7.2 | 3.8 | 221 | 9.7 | 6.4 | 7.2 | 219 | 10.4 | 6.6 | 8.0 | 8039 |
| 400 | 283 | 8.8 | 8.6 | -2.0 | 291 | 9.8 | 9.2 | -3.5 | 246 | 8.1 | 7.5 | 3.3 | 272 | 5.1 | 5.1 | -.2 | 7557 |
| 425 | 298 | 9.8 | 8.7 | -4.6 | 292 | 8.4 | 7.8 | -3.1 | 289 | 10.5 | 9.9 | -3.4 | 305 | 6.2 | 5.1 | -3.6 | 7099 |
| 450 | 276 | 9.1 | 9.0 | -1.0 | 269 | 5.5 | 5.5 | .1 | 282 | 8.2 | 8.0 | -1.7 | 263 | 4.7 | 4.6 | .6 | 6662 |
| 475 | 259 | 12.4 | 12.1 | 2.4 | 261 | 7.3 | 7.2 | 1.2 | 238 | 6.1 | 5.2 | 3.2 | 232 | 6.2 | 4.9 | 3.8 | 6244 |
| 500 | 261 | 14.3 | 14.2 | 2.2 | 257 | 10.2 | 9.9 | 2.3 | 246 | 8.1 | 7.3 | 3.3 | 238 | 7.5 | 6.4 | 3.9 | 5844 |
| 525 | 257 | 13.2 | 12.9 | 2.9 | 251 | 11.6 | 10.9 | 3.7 | 258 | 10.4 | 10.2 | 2.2 | 245 | 7.0 | 6.3 | 2.9 | 5460 |
| 550 | 260 | 12.4 | 12.3 | 2.1 | 246 | 13.2 | 12.1 | 5.3 | 255 | 10.8 | 10.5 | 2.8 | 260 | 9.4 | 9.2 | 1.7 | 5091 |
| 575 | 268 | 13.0 | 13.0 | .5 | 240 | 9.4 | 8.1 | 4.8 | 240 | 10.3 | 8.9 | 5.2 | 266 | 7.8 | 7.7 | .6 | 4736 |
| 600 | 236 | 6.6 | 5.5 | 3.8 | 196 | 4.2 | 1.1 | 4.0 | 212 | 4.6 | 2.4 | 3.9 | 244 | 2.4 | 2.2 | 1.1 | 4393 |
| 625 | 208 | 3.9 | 1.8 | 3.4 | 156 | 2.2 | -.9 | 2.0 | 221 | 2.5 | 1.6 | 1.8 | 74 | .7 | -.6 | -.2 | 4062 |
| 650 | 221 | 3.4 | 2.2 | 2.5 | 227 | 2.7 | 1.9 | 1.8 | 249 | 5.0 | 4.6 | 1.8 | 272 | 2.6 | 2.6 | -.1 | 3742 |
| 675 | 243 | 6.2 | 5.5 | 2.8 | 244 | 6.0 | 5.4 | 2.7 | 249 | 6.4 | 6.0 | 2.2 | 284 | 5.6 | 5.4 | -1.3 | 3431 |
| 700 | 255 | 9.0 | 8.7 | 2.3 | 254 | 6.5 | 6.3 | 1.8 | 263 | 6.0 | 6.0 | .8 | 274 | 5.9 | 5.9 | -.4 | 3130 |
| 725 | 268 | 6.9 | 6.9 | .3 | 282 | 4.3 | 4.3 | -.9 | 290 | 5.0 | 4.7 | -1.7 | 279 | 4.9 | 4.8 | -.8 | 2837 |
| 750 | 281 | 2.5 | 2.5 | -.5 | 314 | 1.8 | 1.3 | -1.3 | 296 | 2.2 | 2.0 | -1.0 | 254 | 2.5 | 2.4 | .7 | 2553 |
| 775 | 157 | 3.1 | -1.2 | 2.9 | 137 | 2.4 | -1.6 | 1.8 | 143 | 3.0 | -1.8 | 2.4 | 168 | 4.8 | -1.0 | 4.7 | 2276 |
| 800 | 131 | 8.9 | -6.7 | 5.9 | 123 | 7.5 | -6.2 | 4.1 | 124 | 8.2 | -6.8 | 4.6 | 140 | 8.1 | -5.2 | 6.2 | 2007 |
| 825 | 116 | 13.0 | -11.8 | 5.6 | 110 | 11.9 | -11.2 | 4.1 | 114 | 9.6 | -8.8 | 3.9 | 120 | 11.8 | -10.3 | 5.9 | 1745 |
| 850 | 111 | 13.5 | -12.6 | 4.9 | 108 | 13.3 | -12.7 | 4.1 | 108 | 6.8 | -6.5 | 2.1 | 110 | 14.4 | -13.5 | 5.0 | 1490 |
| 875 | 109 | 11.9 | -11.2 | 3.8 | 111 | 12.6 | -11.8 | 4.4 | 113 | 5.9 | -5.4 | 2.3 | 106 | 12.8 | -12.3 | 3.5 | 1242 |
| 900 | 99 | 10.0 | -9.9 | 1.5 | 108 | 11.5 | -10.9 | 3.6 | 118 | 8.2 | -7.3 | 3.8 | 103 | 9.2 | -9.0 | 2.1 | 999 |
| 925 | 90 | 8.2 | -8.2 | -.1 | 100 | 9.9 | -9.8 | 1.7 | 111 | 9.8 | -9.2 | 3.5 | 103 | 9.1 | -8.9 | 2.1 | 762 |
| 950 | 89 | 6.0 | -6.0 | -.1 | 93 | 7.9 | -7.9 | .4 | 98 | 9.9 | -9.7 | 1.4 | 104 | 10.0 | -9.7 | 2.4 | 529 |
| 975 | 93 | 3.7 | -3.7 | .2 | 99 | 5.2 | -5.2 | .9 | 90 | 8.7 | -8.7 | .1 | 103 | 7.3 | -7.1 | 1.7 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/12 12 5 GMT | | | | 4/13 0 8 GMT | | | | 4/13 535 GMT | | | | 4/13 1154 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 269 | 15.3 | 15.3 | .2 | 268 | 16.6 | 16.5 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 280 | 17.1 | 16.8 | -2.9 | 19517 |
| 70 | 243 | 18.9 | 16.9 | 8.5 | 233 | 14.2 | 11.4 | 8.5 | 253 | 17.7 | 17.0 | 5.1 | 250 | 15.1 | 14.2 | 5.1 | 18589 |
| 80 | 257 | 22.2 | 21.6 | 5.1 | 255 | 17.9 | 17.3 | 4.5 | 251 | 20.2 | 19.1 | 6.6 | 255 | 20.4 | 19.7 | 5.2 | 17801 |
| 90 | 265 | 18.4 | 18.3 | 1.5 | 263 | 20.2 | 20.1 | 2.4 | 273 | 18.9 | 18.8 | -1.0 | 258 | 18.8 | 18.4 | 3.9 | 17121 |
| 100 | 230 | 15.1 | 11.5 | 9.8 | 243 | 12.9 | 11.5 | 5.8 | 222 | 11.9 | 8.0 | 8.9 | 269 | 10.7 | 10.7 | .2 | 16521 |
| 110 | 233 | 14.8 | 11.8 | 9.0 | 236 | 13.7 | 11.4 | 7.6 | 222 | 15.1 | 10.0 | 11.3 | 226 | 13.1 | 9.3 | 9.2 | 15978 |
| 120 | 314 | 10.8 | 7.8 | -7.4 | 298 | 7.5 | 6.7 | -3.5 | 269 | 7.4 | 7.4 | .1 | 215 | 14.1 | 8.0 | 11.6 | 15479 |
| 130 | 311 | 16.9 | 12.7 | -11.1 | 310 | 16.6 | 12.7 | -10.7 | 313 | 14.5 | 10.5 | -10.0 | 245 | 8.0 | 7.3 | 3.4 | 15014 |
| 140 | 304 | 17.2 | 14.2 | -9.6 | 321 | 19.4 | 12.2 | -15.1 | 317 | 18.7 | 12.8 | -13.7 | 321 | 13.8 | 8.8 | -10.7 | 14578 |
| 150 | 301 | 17.0 | 14.6 | -8.7 | 318 | 19.4 | 13.0 | -14.4 | 308 | 15.6 | 12.2 | -9.6 | 316 | 15.3 | 10.6 | -11.0 | 14167 |
| 160 | 293 | 19.5 | 18.0 | -7.5 | 306 | 15.6 | 12.5 | -9.2 | 306 | 15.7 | 12.7 | -9.2 | 306 | 16.7 | 13.5 | -9.9 | 13776 |
| 170 | 284 | 16.5 | 16.0 | -4.1 | 283 | 11.3 | 11.0 | -2.5 | 310 | 16.1 | 12.4 | -10.3 | 303 | 19.0 | 15.9 | -10.3 | 13404 |
| 180 | 281 | 10.0 | 9.8 | -2.0 | 261 | 10.7 | 10.6 | 1.6 | 303 | 17.7 | 14.8 | -9.7 | 305 | 19.3 | 15.7 | -11.2 | 13049 |
| 190 | 251 | 7.9 | 7.5 | 2.6 | 266 | 10.7 | 10.7 | .7 | 292 | 15.3 | 14.2 | -5.7 | 297 | 17.7 | 15.7 | -8.1 | 12709 |
| 200 | 223 | 8.6 | 5.8 | 6.3 | 274 | 11.6 | 11.5 | -.9 | 291 | 14.4 | 13.4 | -5.2 | 287 | 16.0 | 15.3 | -4.6 | 12383 |
| 225 | 175 | 10.0 | -.9 | 9.9 | 244 | 10.2 | 9.2 | 4.5 | 298 | 8.9 | 7.8 | -4.2 | 283 | 10.7 | 10.4 | -2.5 | 11617 |
| 250 | 165 | 15.1 | -4.0 | 14.6 | 201 | 7.7 | 2.8 | 7.1 | 264 | 6.5 | 6.5 | .6 | 316 | 7.7 | 5.4 | -5.5 | 10914 |
| 275 | 168 | 14.4 | -3.0 | 14.1 | 156 | 13.2 | -5.3 | 12.1 | 164 | 9.3 | -2.6 | 8.9 | 221 | 2.8 | 1.8 | 2.1 | 10262 |
| 300 | 183 | 8.6 | .4 | 8.6 | 178 | 7.3 | -.3 | 7.3 | 161 | 7.4 | -2.4 | 7.0 | 158 | 9.6 | -3.6 | 9.0 | 9654 |
| 325 | 252 | 6.9 | 6.6 | 2.1 | 217 | 6.8 | 4.1 | 5.4 | 225 | 6.6 | 4.7 | 4.7 | 225 | 5.7 | 4.0 | 4.0 | 9084 |
| 350 | 247 | 10.3 | 9.4 | 4.0 | 251 | 8.5 | 8.0 | 2.8 | 248 | 8.4 | 7.8 | 3.1 | 266 | 8.0 | 8.0 | .5 | 8546 |
| 375 | 232 | 10.9 | 8.6 | 6.7 | 235 | 10.0 | 8.2 | 5.7 | 242 | 10.6 | 9.3 | 5.0 | 263 | 10.5 | 10.4 | 1.3 | 8039 |
| 400 | 251 | 6.8 | 6.4 | 2.2 | 247 | 8.5 | 7.8 | 3.3 | 249 | 7.6 | 7.1 | 2.8 | 242 | 9.9 | 8.7 | 4.6 | 7557 |
| 425 | 267 | 6.1 | 6.1 | .4 | 254 | 6.4 | 6.2 | 1.7 | 281 | 6.9 | 6.8 | -1.3 | 252 | 5.6 | 5.3 | 1.8 | 7099 |
| 450 | 238 | 4.4 | 3.7 | 2.4 | 236 | 5.7 | 4.8 | 3.2 | 249 | 6.1 | 5.7 | 2.2 | 230 | 8.3 | 6.4 | 5.3 | 6662 |
| 475 | 217 | 6.3 | 3.8 | 5.1 | 215 | 8.3 | 4.7 | 6.8 | 220 | 7.3 | 4.8 | 5.6 | 220 | 7.4 | 4.8 | 5.7 | 6244 |
| 500 | 250 | 6.3 | 5.9 | 2.1 | 217 | 8.1 | 4.8 | 6.5 | 213 | 6.7 | 3.7 | 5.6 | 230 | 6.5 | 5.0 | 4.2 | 5844 |
| 525 | 260 | 6.1 | 6.0 | 1.0 | 238 | 8.5 | 7.3 | 4.5 | 232 | 7.5 | 5.9 | 4.6 | 257 | 6.9 | 6.8 | 1.6 | 5460 |
| 550 | 249 | 5.0 | 4.7 | 1.8 | 246 | 7.6 | 6.9 | 3.1 | 245 | 5.6 | 5.1 | 2.3 | 286 | 5.6 | 5.4 | -1.6 | 5091 |
| 575 | 290 | 3.2 | 3.0 | -1.1 | 244 | 7.1 | 6.4 | 3.0 | 239 | 5.4 | 4.7 | 2.8 | 274 | 5.0 | 5.0 | -.3 | 4736 |
| 600 | 24 | 1.9 | -.8 | -1.8 | 265 | 6.3 | 6.2 | .6 | 259 | 5.2 | 5.1 | 1.0 | 288 | 6.0 | 5.7 | -1.9 | 4393 |
| 625 | 60 | 4.4 | -3.8 | -2.2 | 303 | 2.7 | 2.3 | -1.5 | 275 | 5.1 | 5.1 | -.5 | 303 | 6.4 | 5.4 | -3.5 | 4062 |
| 650 | 23 | 3.0 | -1.2 | -2.8 | 15 | 2.9 | -.7 | -2.8 | 15 | 2.8 | -.7 | -2.7 | 332 | 2.9 | 1.4 | -2.6 | 3742 |
| 675 | 307 | 3.8 | 3.0 | -2.3 | 343 | 3.8 | 1.1 | -3.6 | 355 | 2.7 | .2 | -2.7 | 29 | 2.6 | -1.2 | -2.3 | 3431 |
| 700 | 288 | 6.5 | 6.1 | -2.0 | 301 | 5.3 | 4.5 | -2.7 | 338 | 1.8 | .7 | -1.7 | 319 | 2.8 | 1.8 | -2.1 | 3130 |
| 725 | 275 | 6.8 | 6.8 | -.6 | 275 | 6.9 | 6.9 | -.6 | 296 | 2.0 | 1.8 | -.9 | 284 | 5.8 | 5.7 | -1.4 | 2837 |
| 750 | 254 | 4.8 | 4.6 | 1.3 | 256 | 5.0 | 4.8 | 1.2 | 276 | 2.0 | 2.0 | -.2 | 281 | 3.0 | 2.9 | -.6 | 2553 |
| 775 | 197 | 3.5 | 1.0 | 3.3 | 165 | 2.3 | -.6 | 2.2 | 112 | 1.6 | -1.5 | .6 | 102 | 3.6 | -3.6 | .7 | 2276 |
| 800 | 140 | 6.4 | -4.1 | 4.9 | 113 | 6.6 | -6.1 | 2.6 | 108 | 6.3 | -6.0 | 1.9 | 104 | 7.9 | -7.7 | 1.9 | 2007 |
| 825 | 114 | 10.6 | -9.7 | 4.3 | 100 | 11.9 | -11.7 | 2.1 | 106 | 11.1 | -10.7 | 3.0 | 100 | 10.9 | -10.7 | 1.9 | 1745 |
| 850 | 100 | 12.4 | -12.2 | 2.2 | 93 | 16.2 | -16.2 | .9 | 93 | 16.7 | -16.7 | 1.0 | 94 | 13.5 | -13.5 | .8 | 1490 |
| 875 | 94 | 11.1 | -11.0 | .8 | 89 | 17.3 | -17.3 | -.3 | 83 | 18.2 | -18.0 | -2.2 | 89 | 14.5 | -14.5 | -.3 | 1242 |
| 900 | 91 | 9.6 | -9.6 | .2 | 86 | 16.0 | -16.0 | -1.2 | 78 | 15.4 | -15.0 | -3.3 | 87 | 14.9 | -14.8 | -.8 | 999 |
| 925 | 88 | 8.4 | -8.3 | -.3 | 83 | 13.6 | -13.5 | -1.5 | 79 | 11.7 | -11.5 | -2.2 | 87 | 14.3 | -14.3 | -.8 | 762 |
| 950 | 85 | 6.8 | -6.8 | -.6 | 85 | 10.7 | -10.7 | -1.0 | 83 | 8.9 | -8.8 | -1.1 | 88 | 11.8 | -11.8 | -.5 | 529 |
| 975 | 84 | 5.3 | -5.3 | -.6 | 91 | 8.0 | -8.0 | .2 | 82 | 6.8 | -6.8 | -.9 | 91 | 8.2 | -8.2 | .1 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/13 1714 GMT | | | | | 4/13 2034 GMT | | | | | 4/13 2235 GMT | | | | | 4/14 140 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 246 | 13.3 | 12.2 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 252 | 12.9 | 12.3 | 3.9 | | 231 | 7.7 | 6.0 | 4.8 | | 221 | 6.4 | 4.2 | 4.9 | | 259 | 25.9 | 25.5 | 4.8 | 18589 |
| 80 | | 256 | 21.4 | 20.8 | 5.1 | | 241 | 15.0 | 13.1 | 7.3 | | 242 | 15.5 | 13.7 | 7.2 | | 246 | 26.5 | 24.2 | 10.6 | 17801 |
| 90 | | 271 | 20.3 | 20.3 | -.5 | | 262 | 17.6 | 17.4 | 2.6 | | 255 | 16.9 | 16.3 | 4.5 | | 240 | 17.5 | 15.1 | 8.7 | 17121 |
| 100 | | 251 | 10.4 | 9.9 | 3.3 | | 277 | 10.8 | 10.7 | -1.3 | | 254 | 10.5 | 10.1 | 2.9 | | 239 | 9.9 | 8.5 | 5.1 | 16521 |
| 110 | | 216 | 13.4 | 7.9 | 10.8 | | 236 | 12.0 | 10.0 | 6.7 | | 222 | 15.4 | 10.3 | 11.4 | | 210 | 14.4 | 7.2 | 12.4 | 15978 |
| 120 | | 207 | 14.2 | 6.4 | 12.7 | | 217 | 15.3 | 9.1 | 12.3 | | 214 | 16.1 | 9.1 | 13.3 | | 225 | 14.0 | 9.9 | 10.0 | 15479 |
| 130 | | 252 | 5.9 | 5.6 | 1.8 | | 231 | 8.2 | 6.4 | 5.1 | | 235 | 9.1 | 7.5 | 5.2 | | 258 | 6.3 | 6.2 | 1.3 | 15014 |
| 140 | | 323 | 11.8 | 7.1 | -9.5 | | 319 | 8.8 | 5.8 | -6.6 | | 309 | 8.6 | 6.7 | -5.4 | | 284 | 6.9 | 6.7 | -1.7 | 14578 |
| 150 | | 325 | 14.6 | 8.5 | -11.9 | | 321 | 12.2 | 7.6 | -9.6 | | 317 | 10.7 | 7.3 | -7.8 | | 294 | 8.9 | 8.1 | -3.7 | 14167 |
| 160 | | 311 | 17.0 | 12.9 | -11.1 | | 303 | 13.7 | 11.5 | -7.5 | | 316 | 11.2 | 7.8 | -8.1 | | 316 | 12.5 | 8.7 | -8.9 | 13776 |
| 170 | | 297 | 17.2 | 15.3 | -7.8 | | 301 | 14.8 | 12.7 | -7.6 | | 319 | 12.6 | 8.3 | -9.4 | | 316 | 12.8 | 8.8 | -9.3 | 13404 |
| 180 | | 292 | 14.2 | 13.2 | -5.3 | | 298 | 14.3 | 12.6 | -6.8 | | 314 | 12.3 | 8.9 | -8.5 | | 311 | 10.8 | 8.2 | -7.1 | 13049 |
| 190 | | 290 | 10.9 | 10.2 | -3.8 | | 293 | 15.1 | 13.9 | -5.9 | | 302 | 12.9 | 11.0 | -6.8 | | 307 | 10.7 | 8.5 | -6.5 | 12709 |
| 200 | | 269 | 10.0 | 10.0 | .1 | | 294 | 15.9 | 14.5 | -6.6 | | 294 | 15.0 | 13.7 | -6.1 | | 299 | 11.9 | 10.4 | -5.7 | 12383 |
| 225 | | 280 | 9.1 | 9.0 | -1.6 | | 289 | 9.4 | 8.9 | -3.1 | | 290 | 12.2 | 11.4 | -4.2 | | 286 | 14.3 | 13.8 | -3.9 | 11617 |
| 250 | | 299 | 7.9 | 6.9 | -3.9 | | 282 | 8.7 | 8.5 | -1.8 | | 274 | 9.0 | 9.0 | -.6 | | 272 | 11.0 | 10.9 | -.5 | 10914 |
| 275 | | 328 | 2.3 | 1.2 | -1.9 | | 297 | 3.2 | 2.9 | -1.5 | | 295 | 3.3 | 3.0 | -1.4 | | 269 | 5.1 | 5.1 | .0 | 10262 |
| 300 | | 157 | 7.2 | -2.8 | 6.6 | | 163 | 5.5 | -1.6 | 5.2 | | 165 | 1.8 | -.5 | 1.8 | | 344 | 1.2 | .3 | -1.1 | 9654 |
| 325 | | 203 | 5.0 | 2.0 | 4.6 | | 199 | 4.5 | 1.5 | 4.2 | | 257 | 4.2 | 4.1 | 1.0 | | 244 | 3.2 | 2.8 | 1.4 | 9084 |
| 350 | | 266 | 6.5 | 6.5 | .5 | | 274 | 5.3 | 5.3 | -.3 | | 291 | 6.4 | 6.0 | -2.3 | | 293 | 4.2 | 3.9 | -1.6 | 8546 |
| 375 | | 239 | 8.7 | 7.4 | 4.5 | | 264 | 7.7 | 7.7 | .8 | | 264 | 7.2 | 7.2 | .8 | | 265 | 7.2 | 7.2 | .7 | 8039 |
| 400 | | 235 | 7.3 | 6.0 | 4.2 | | 219 | 9.0 | 5.7 | 6.9 | | 224 | 9.2 | 6.4 | 6.6 | | 222 | 7.6 | 5.1 | 5.6 | 7557 |
| 425 | | 271 | 5.6 | 5.6 | -.1 | | 237 | 6.5 | 5.5 | 3.6 | | 225 | 7.0 | 5.0 | 4.9 | | 216 | 7.1 | 4.2 | 5.7 | 7099 |
| 450 | | 248 | 7.4 | 6.8 | 2.8 | | 262 | 6.8 | 6.7 | .9 | | 252 | 6.4 | 6.1 | 2.0 | | 238 | 8.1 | 6.9 | 4.2 | 6662 |
| 475 | | 246 | 6.7 | 6.1 | 2.8 | | 270 | 6.2 | 6.2 | .0 | | 271 | 6.7 | 6.7 | -.1 | | 276 | 4.7 | 4.7 | -.5 | 6244 |
| 500 | | 224 | 4.9 | 3.4 | 3.5 | | 231 | 3.8 | 3.0 | 2.4 | | 242 | 5.6 | 4.9 | 2.6 | | 224 | 4.0 | 2.8 | 2.9 | 5844 |
| 525 | | 228 | 5.6 | 4.2 | 3.8 | | 227 | 4.7 | 3.5 | 3.2 | | 231 | 5.4 | 4.2 | 3.4 | | 219 | 6.1 | 3.8 | 4.7 | 5460 |
| 550 | | 265 | 5.1 | 5.1 | .4 | | 261 | 4.5 | 4.4 | .7 | | 251 | 4.3 | 4.0 | 1.4 | | 246 | 5.3 | 4.9 | 2.1 | 5091 |
| 575 | | 289 | 3.5 | 3.3 | -1.2 | | 261 | 2.7 | 2.7 | .4 | | 258 | 3.0 | 3.0 | .6 | | 262 | 4.3 | 4.3 | .6 | 4736 |
| 600 | | 254 | 2.8 | 2.7 | .8 | | 224 | 2.4 | 1.6 | 1.7 | | 248 | 2.1 | 1.9 | .8 | | 270 | 4.2 | 4.2 | .0 | 4393 |
| 625 | | 265 | 1.3 | 1.3 | .1 | | 137 | 1.5 | -1.0 | 1.1 | | 103 | 1.5 | -1.4 | .3 | | 11 | 1.0 | -.2 | -.9 | 4062 |
| 650 | | 89 | 2.9 | -2.9 | -.0 | | 94 | 5.4 | -5.4 | .4 | | 95 | 5.9 | -5.9 | .5 | | 74 | 5.0 | -4.8 | -1.3 | 3742 |
| 675 | | 72 | 1.8 | -1.7 | -.5 | | 83 | 3.2 | -3.2 | -.4 | | 92 | 5.0 | -5.0 | .2 | | 54 | 3.4 | -2.7 | -2.0 | 3431 |
| 700 | | 293 | 3.6 | 3.4 | -1.4 | | 317 | 3.7 | 2.5 | -2.7 | | 338 | 1.4 | .5 | -1.3 | | 325 | 4.1 | 2.3 | -3.4 | 3130 |
| 725 | | 305 | 3.0 | 2.5 | -1.7 | | 312 | 5.7 | 4.3 | -3.8 | | 306 | 4.9 | 4.0 | -2.9 | | 315 | 4.8 | 3.4 | -3.4 | 2837 |
| 750 | | 69 | 2.8 | -2.6 | -1.0 | | 309 | 3.8 | 2.9 | -2.4 | | 310 | 4.0 | 3.0 | -2.5 | | 332 | 1.9 | .9 | -1.7 | 2553 |
| 775 | | 95 | 5.5 | -5.5 | .4 | | 52 | .9 | -.7 | -.6 | | 325 | .3 | .1 | -.2 | | 103 | 2.1 | -2.0 | .5 | 2276 |
| 800 | | 105 | 7.4 | -7.2 | 1.9 | | 106 | 4.1 | -4.0 | 1.1 | | 128 | 3.3 | -2.6 | 2.1 | | 110 | 5.1 | -4.8 | 1.7 | 2007 |
| 825 | | 100 | 10.2 | -10.0 | 1.8 | | 104 | 7.4 | -7.2 | 1.8 | | 109 | 5.9 | -5.5 | 1.9 | | 99 | 10.8 | -10.6 | 1.7 | 1745 |
| 850 | | 91 | 13.6 | -13.6 | .3 | | 97 | 11.8 | -11.7 | 1.5 | | 89 | 9.0 | -9.0 | -.1 | | 93 | 16.5 | -16.5 | .7 | 1490 |
| 875 | | 89 | 16.1 | -16.1 | -.3 | | 94 | 14.3 | -14.3 | 1.0 | | 86 | 12.2 | -12.2 | -.9 | | 88 | 17.9 | -17.9 | -.7 | 1242 |
| 900 | | 89 | 15.5 | -15.5 | -.4 | | 93 | 13.1 | -13.1 | .6 | | 88 | 14.5 | -14.5 | -.6 | | 85 | 17.6 | -17.5 | -1.4 | 999 |
| 925 | | 88 | 12.6 | -12.6 | -.4 | | 95 | 11.3 | -11.3 | 1.1 | | 90 | 14.4 | -14.4 | .0 | | 87 | 16.4 | -16.4 | -.7 | 762 |
| 950 | | 89 | 10.0 | -10.0 | -.2 | | 103 | 10.5 | -10.2 | 2.4 | | 95 | 11.9 | -11.8 | 1.0 | | 92 | 13.1 | -13.1 | .5 | 529 |
| 975 | | 89 | 8.3 | -8.3 | -.1 | | 113 | 9.6 | -8.9 | 3.7 | | 104 | 9.7 | -9.4 | 2.3 | | 98 | 9.0 | -8.9 | 1.2 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/14 512 GMT | | | | 4/14 1211 GMT | | | | 4/14 1530 GMT | | | | 4/14 18 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 257 | 14.9 | 14.6 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 248 | 8.1 | 7.5 | 3.0 | | 264 | 7.1 | 7.0 | .7 | 18589 |
| 80 | | 262 | 22.7 | 22.4 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 254 | 15.5 | 14.9 | 4.3 | | 255 | 15.0 | 14.5 | 3.8 | 17801 |
| 90 | | 233 | 9.2 | 7.4 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 17.3 | 17.1 | 2.5 | | 254 | 15.9 | 15.3 | 4.3 | 17121 |
| 100 | | 209 | 16.1 | 7.9 | 14.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 280 | 10.2 | 10.1 | -1.8 | | 236 | 7.6 | 6.3 | 4.3 | 16521 |
| 110 | | 228 | 15.0 | 11.2 | 9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 224 | 8.4 | 5.9 | 6.1 | | 243 | 10.5 | 9.4 | 4.7 | 15978 |
| 120 | | 272 | 7.2 | 7.2 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 14.3 | 13.7 | 4.2 | | 262 | 12.0 | 11.8 | 1.7 | 15479 |
| 130 | | 265 | 9.8 | 9.7 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 12.4 | 12.1 | 2.5 | | 264 | 12.4 | 12.4 | 1.3 | 15014 |
| 140 | | 8 | 3.6 | -.5 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 12.7 | 12.4 | 2.9 | | 279 | 12.2 | 12.0 | -2.0 | 14578 |
| 150 | | 289 | 11.3 | 10.7 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 11.6 | 11.6 | .6 | | 294 | 13.5 | 12.3 | -5.6 | 14167 |
| 160 | | 286 | 16.5 | 15.9 | -4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 10.9 | 10.5 | -2.7 | | 303 | 15.3 | 12.8 | -8.3 | 13776 |
| 170 | | 301 | 8.2 | 7.0 | -4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 15.6 | 14.1 | -6.8 | | 304 | 14.9 | 12.4 | -8.3 | 13404 |
| 180 | | 306 | 12.2 | 9.9 | -7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 297 | 17.5 | 15.6 | -7.9 | | 303 | 11.9 | 10.0 | -6.5 | 13049 |
| 190 | 2 | 305 | 14.7 | 12.1 | -8.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 14.8 | 13.6 | -5.9 | | 289 | 9.8 | 9.3 | -3.2 | 12709 |
| 200 | | 299 | 14.3 | 12.4 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 288 | 12.9 | 12.2 | -4.0 | | 280 | 10.2 | 10.0 | -1.7 | 12383 |
| 225 | | 274 | 14.8 | 14.7 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 9.0 | 8.8 | -2.1 | | 275 | 9.0 | 9.0 | -.8 | 11617 |
| 250 | | 291 | 9.9 | 9.2 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 7.7 | 7.6 | .3 | | 257 | 7.7 | 7.5 | 1.7 | 10914 |
| 275 | | 285 | 5.9 | 5.7 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 7.1 | 7.1 | -.0 | | 230 | 7.6 | 5.8 | 4.9 | 10262 |
| 300 | 3 | 4 | 1.5 | -.1 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 3.7 | 3.6 | .2 | | 274 | 6.5 | 6.5 | -.4 | 9654 |
| 325 | | 243 | 2.8 | 2.5 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 140 | 3.0 | -1.9 | 2.3 | | 220 | 2.1 | 1.3 | 1.6 | 9084 |
| 350 | | 242 | 6.6 | 5.8 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 242 | 3.7 | 3.2 | 1.7 | | 105 | 1.3 | -1.2 | .3 | 8546 |
| 375 | | 231 | 7.4 | 5.8 | 4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 244 | 4.6 | 4.1 | 2.0 | | 223 | 3.7 | 2.5 | 2.7 | 8039 |
| 400 | | 207 | 8.2 | 3.7 | 7.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 204 | 4.1 | 1.6 | 3.7 | | 205 | 2.6 | 1.1 | 2.4 | 7557 |
| 425 | | 212 | 3.9 | 2.1 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 240 | 5.4 | 4.7 | 2.7 | | 236 | 4.2 | 3.5 | 2.3 | 7099 |
| 450 | | 245 | 7.5 | 6.8 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 254 | 5.2 | 5.0 | 1.4 | | 244 | 3.4 | 3.0 | 1.5 | 6662 |
| 475 | | 273 | 3.7 | 3.7 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 4.8 | 4.8 | .5 | | 258 | 3.7 | 3.6 | .8 | 6244 |
| 500 | | 229 | 6.8 | 5.2 | 4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 3.8 | 3.8 | .2 | | 261 | 2.6 | 2.5 | .4 | 5844 |
| 525 | | 264 | 7.0 | 7.0 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 212 | 3.1 | 1.7 | 2.7 | | 216 | 2.9 | 1.7 | 2.3 | 5460 |
| 550 | | 284 | 5.3 | 5.2 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 252 | 2.5 | 2.4 | .8 | | 216 | 3.4 | 2.0 | 2.8 | 5091 |
| 575 | | 254 | 2.7 | 2.5 | .7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 3.0 | 2.9 | -.4 | | 243 | 3.7 | 3.3 | 1.6 | 4736 |
| 600 | | 78 | 3.2 | -3.1 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 31 | .8 | -.4 | -.7 | | 267 | 1.8 | 1.8 | .1 | 4393 |
| 625 | | 78 | 7.8 | -7.6 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 81 | 6.2 | -6.1 | -1.0 | | 78 | 2.8 | -2.7 | -.6 | 4062 |
| 650 | | 62 | 3.7 | -3.3 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 74 | 6.8 | -6.5 | -1.8 | | 81 | 5.4 | -5.4 | -.8 | 3742 |
| 675 | 3 | 38 | 2.6 | -1.6 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 50 | 4.3 | -3.2 | -2.8 | | 73 | 4.6 | -4.4 | -1.4 | 3431 |
| 700 | 1 | 47 | 2.8 | -2.0 | -1.9 | | 85 | 1.3 | -1.3 | -.1 | | 40 | 2.4 | -1.5 | -1.8 | | 62 | 2.7 | -2.4 | -1.3 | 3130 |
| 725 | 0 | 42 | 2.0 | -1.3 | -1.5 | | 55 | .7 | -.6 | -.4 | | 50 | 1.0 | -.8 | -.6 | | 52 | 1.4 | -1.1 | -.8 | 2837 |
| 750 | 1 | 26 | .8 | -.3 | -.7 | | 143 | 1.4 | -.8 | 1.1 | | 127 | .8 | -.6 | .5 | | 98 | 1.5 | -1.5 | .2 | 2553 |
| 775 | 3 | 109 | 2.6 | -2.4 | .8 | | 139 | 3.5 | -2.3 | 2.7 | | 136 | 2.5 | -1.8 | 1.8 | | 113 | 3.5 | -3.2 | 1.3 | 2276 |
| 800 | | 110 | 7.0 | -6.6 | 2.4 | | 116 | 6.7 | -6.0 | 3.0 | | 111 | 6.7 | -6.2 | 2.3 | | 105 | 6.9 | -6.7 | 1.8 | 2007 |
| 825 | | 102 | 12.6 | -12.3 | 2.7 | | 103 | 10.2 | -9.9 | 2.3 | | 95 | 12.4 | -12.4 | 1.0 | | 96 | 12.5 | -12.4 | 1.3 | 1745 |
| 850 | | 95 | 16.1 | -16.1 | 1.3 | | 100 | 11.3 | -11.1 | 1.9 | | 89 | 15.2 | -15.2 | -.4 | | 89 | 15.7 | -15.7 | -.3 | 1490 |
| 875 | | 87 | 15.1 | -15.0 | -.8 | | 100 | 10.3 | -10.2 | 1.7 | | 89 | 15.0 | -15.0 | -.3 | | 84 | 13.4 | -13.4 | -1.4 | 1242 |
| 900 | | 84 | 13.1 | -13.0 | -1.4 | | 92 | 10.0 | -10.0 | .3 | | 91 | 14.7 | -14.7 | .4 | | 85 | 10.7 | -10.7 | -.9 | 999 |
| 925 | | 87 | 12.6 | -12.5 | -.7 | | 84 | 10.2 | -10.2 | -1.1 | | 92 | 14.2 | -14.2 | .4 | | 87 | 10.2 | -10.2 | -.5 | 762 |
| 950 | | 91 | 11.3 | -11.3 | .2 | | 84 | 8.6 | -8.6 | -.9 | | 90 | 11.8 | -11.8 | .1 | | 87 | 9.6 | -9.6 | -.6 | 529 |
| 975 | | 98 | 9.3 | -9.2 | 1.3 | | 92 | 6.1 | -6.1 | .2 | | 90 | 7.4 | -7.4 | -.0 | | 82 | 7.2 | -7.1 | -1.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/14 2350 GMT | | | | 4/15 6 6 GMT | | | | 4/15 1155 GMT | | | | 4/15 17 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 265 | 15.4 | 15.4 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 259 | 22.1 | 21.7 | 4.4 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 196 | 6.2 | 1.7 | 6.0 | 303 | 2.9 | 2.5 | -1.6 | 206 | 4.2 | 1.8 | 3.8 | 188 | 2.3 | .3 | 2.3 | 18589 |
| 80 | 262 | 14.3 | 14.2 | 1.9 | 252 | 14.1 | 13.4 | 4.4 | 282 | 11.3 | 11.1 | -2.3 | 275 | 7.1 | 7.1 | -.6 | 17801 |
| 90 | 261 | 17.8 | 17.6 | 2.7 | 254 | 19.3 | 18.6 | 5.4 | 261 | 18.1 | 17.8 | 2.8 | 257 | 15.8 | 15.4 | 3.5 | 17121 |
| 100 | 267 | 10.8 | 10.8 | .5 | 241 | 10.1 | 8.8 | 5.0 | 253 | 14.2 | 13.6 | 4.1 | 245 | 12.4 | 11.3 | 5.2 | 16521 |
| 110 | 214 | 9.5 | 5.3 | 7.9 | 235 | 10.6 | 8.6 | 6.1 | 224 | 9.3 | 6.5 | 6.6 | 222 | 7.4 | 4.9 | 5.6 | 15978 |
| 120 | 239 | 10.2 | 8.7 | 5.3 | 257 | 10.8 | 10.6 | 2.4 | 269 | 9.9 | 9.9 | .1 | 277 | 10.3 | 10.3 | -1.2 | 15479 |
| 130 | 248 | 7.2 | 6.7 | 2.7 | 271 | 9.5 | 9.5 | -.2 | 285 | 10.8 | 10.4 | -2.8 | 298 | 16.3 | 14.4 | -7.5 | 15014 |
| 140 | 283 | 7.6 | 7.4 | -1.7 | 293 | 9.3 | 8.6 | -3.6 | 293 | 19.1 | 17.6 | -7.5 | 295 | 19.7 | 17.9 | -8.4 | 14578 |
| 150 | 298 | 12.2 | 10.7 | -5.7 | 288 | 16.6 | 15.8 | -5.1 | 285 | 21.0 | 20.3 | -5.4 | 297 | 20.4 | 18.2 | -9.1 | 14167 |
| 160 | 298 | 15.1 | 13.4 | -7.0 | 286 | 16.1 | 15.5 | -4.4 | 286 | 20.1 | 19.3 | -5.6 | 291 | 22.0 | 20.6 | -7.9 | 13776 |
| 170 | 297 | 15.9 | 14.2 | -7.3 | 294 | 16.9 | 15.4 | -6.9 | 290 | 19.5 | 18.3 | -6.7 | 288 | 23.1 | 22.0 | -7.1 | 13404 |
| 180 | 302 | 15.8 | 13.4 | -8.3 | 299 | 18.7 | 16.3 | -9.2 | 289 | 18.9 | 17.9 | -6.1 | 287 | 20.5 | 19.6 | -6.0 | 13049 |
| 190 | 304 | 15.8 | 13.1 | -8.8 | 302 | 18.7 | 15.8 | -9.9 | 299 | 18.0 | 15.8 | -8.8 | 289 | 19.2 | 18.2 | -6.2 | 12709 |
| 200 | 302 | 15.3 | 12.9 | -8.2 | 294 | 17.3 | 15.8 | -6.9 | 304 | 13.7 | 11.4 | -7.6 | 295 | 18.8 | 17.0 | -8.0 | 12383 |
| 225 | 281 | 10.2 | 10.1 | -1.9 | 289 | 12.6 | 11.9 | -4.1 | 302 | 9.8 | 8.3 | -5.2 | 282 | 8.4 | 8.2 | -1.8 | 11617 |
| 250 | 248 | 7.6 | 7.0 | 2.9 | 241 | 5.4 | 4.7 | 2.6 | 269 | 10.1 | 10.1 | .2 | 271 | 8.8 | 8.8 | -.1 | 10914 |
| 275 | 239 | 6.9 | 5.9 | 3.6 | 220 | 7.2 | 4.6 | 5.5 | 252 | 6.0 | 5.7 | 1.9 | 270 | 8.3 | 8.3 | -.0 | 10262 |
| 300 | 257 | 7.6 | 7.4 | 1.7 | 247 | 7.8 | 7.2 | 3.0 | 261 | 8.6 | 8.5 | 1.3 | 268 | 9.3 | 9.3 | .3 | 9654 |
| 325 | 263 | 3.3 | 3.3 | .4 | 183 | 6.1 | .3 | 6.1 | 183 | 5.1 | .2 | 5.1 | 231 | 5.0 | 3.9 | 3.2 | 9084 |
| 350 | 96 | 1.6 | -1.6 | .2 | 161 | 1.7 | -.5 | 1.6 | 228 | 1.2 | .9 | .8 | 153 | 6.1 | -2.8 | 5.4 | 8546 |
| 375 | 192 | 3.4 | .7 | 3.3 | 201 | 4.0 | 1.4 | 3.8 | 214 | 3.3 | 1.8 | 2.7 | 185 | 2.9 | .2 | 2.9 | 8039 |
| 400 | 207 | 3.6 | 1.7 | 3.2 | 228 | 5.5 | 4.1 | 3.6 | 251 | 5.8 | 5.5 | 1.9 | 206 | 6.2 | 2.7 | 5.6 | 7557 |
| 425 | 233 | 2.5 | 2.0 | 1.5 | 243 | 5.0 | 4.5 | 2.3 | 197 | 3.2 | 1.0 | 3.1 | 214 | 3.9 | 2.2 | 3.2 | 7099 |
| 450 | 279 | 4.1 | 4.1 | -.7 | 278 | 3.5 | 3.5 | -.5 | 246 | 3.1 | 2.8 | 1.3 | 207 | 4.0 | 1.8 | 3.6 | 6662 |
| 475 | 279 | 4.5 | 4.5 | -.7 | 275 | 5.3 | 5.3 | -.5 | 277 | 3.7 | 3.7 | -.5 | 273 | 2.6 | 2.6 | -.1 | 6244 |
| 500 | 287 | 3.5 | 3.4 | -1.0 | 272 | 3.0 | 3.0 | -.1 | 237 | 3.5 | 3.0 | 1.9 | 264 | 2.9 | 2.8 | .3 | 5844 |
| 525 | 250 | 3.4 | 3.2 | 1.2 | 276 | 4.1 | 4.0 | -.4 | 244 | 4.6 | 4.2 | 2.0 | 264 | 3.6 | 3.6 | .4 | 5460 |
| 550 | 218 | 2.6 | 1.6 | 2.1 | 314 | 1.6 | 1.1 | -1.1 | 236 | 3.1 | 2.6 | 1.7 | 269 | 3.4 | 3.4 | .1 | 5091 |
| 575 | 266 | 4.5 | 4.5 | .3 | 319 | 3.9 | 2.6 | -2.9 | 250 | 2.4 | 2.3 | .8 | 270 | 2.7 | 2.7 | .0 | 4736 |
| 600 | 273 | 4.5 | 4.5 | -.2 | 309 | 3.3 | 2.6 | -2.1 | 244 | 2.7 | 2.4 | 1.2 | 277 | 2.9 | 2.9 | -.4 | 4393 |
| 625 | 33 | 1.4 | -.8 | -1.2 | 34 | 2.8 | -1.6 | -2.3 | 115 | 1.3 | -1.2 | .6 | 102 | .8 | -.8 | .2 | 4062 |
| 650 | 72 | 4.3 | -4.1 | -1.3 | 85 | 8.0 | -8.0 | -.7 | 107 | 6.3 | -6.1 | 1.9 | 111 | 5.8 | -5.4 | 2.0 | 3742 |
| 675 | 89 | 6.4 | -6.4 | -.1 | 99 | 11.2 | -11.0 | 1.8 | 118 | 9.8 | -8.6 | 4.6 | 125 | 8.5 | -6.9 | 4.9 | 3431 |
| 700 | 87 | 3.9 | -3.9 | -.2 | 106 | 10.3 | -9.9 | 2.9 | 120 | 8.2 | -7.1 | 4.1 | 132 | 7.5 | -5.6 | 5.0 | 3130 |
| 725 | 49 | 1.3 | -1.0 | -.9 | 111 | 7.1 | -6.7 | 2.5 | 105 | 4.0 | -3.9 | 1.0 | 125 | 4.5 | -3.7 | 2.6 | 2837 |
| 750 | 90 | 2.0 | -2.0 | .0 | 113 | 2.8 | -2.5 | 1.1 | 48 | 1.8 | -1.3 | -1.2 | 116 | 2.4 | -2.2 | 1.0 | 2553 |
| 775 | 111 | 3.6 | -3.4 | 1.3 | 133 | 2.7 | -2.0 | 1.9 | 72 | 1.7 | -1.6 | -.5 | 125 | 3.4 | -2.8 | 2.0 | 2276 |
| 800 | 110 | 6.8 | -6.4 | 2.3 | 118 | 8.8 | -7.8 | 4.2 | 114 | 5.3 | -4.8 | 2.2 | 122 | 8.0 | -6.8 | 4.3 | 2007 |
| 825 | 103 | 12.3 | -11.9 | 2.8 | 111 | 12.6 | -11.7 | 4.5 | 109 | 9.7 | -9.2 | 3.1 | 114 | 12.8 | -11.7 | 5.1 | 1745 |
| 850 | 99 | 15.5 | -15.3 | 2.4 | 107 | 12.7 | -12.2 | 3.7 | 100 | 12.1 | -11.9 | 2.1 | 105 | 14.8 | -14.3 | 3.9 | 1490 |
| 875 | 96 | 14.7 | -14.6 | 1.5 | 103 | 11.1 | -10.8 | 2.4 | 95 | 12.2 | -12.2 | 1.2 | 97 | 13.5 | -13.4 | 1.6 | 1242 |
| 900 | 96 | 13.6 | -13.5 | 1.5 | 97 | 9.9 | -9.8 | 1.2 | 88 | 12.0 | -12.0 | -.4 | 89 | 11.0 | -11.0 | -.2 | 999 |
| 925 | 99 | 12.9 | -12.8 | 2.0 | 91 | 9.2 | -9.2 | .1 | 80 | 11.4 | -11.2 | -2.0 | 86 | 9.4 | -9.4 | -.7 | 762 |
| 950 | 101 | 10.9 | -10.7 | 2.1 | 83 | 7.8 | -7.7 | -.9 | 76 | 9.1 | -8.8 | -2.1 | 86 | 8.2 | -8.1 | -.5 | 529 |
| 975 | 105 | 7.4 | -7.2 | 1.9 | 73 | 5.9 | -5.6 | -1.8 | 79 | 5.9 | -5.8 | -1.1 | 90 | 5.8 | -5.8 | .0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/15 1935 GMT | | | | 4/15 23 8 GMT | | | | 4/16 2 3 GMT | | | | 4/16 5 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 0 0 | 0.0 | 0.0 | 0.0 | 249 | 23.3 | 21.7 | 8.4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 209 | 1.2 | .6 | 1.1 | 212 | 4.4 | 2.3 | 3.7 | 263 | 3.7 | 3.7 | .4 | 245 | 2.2 | 2.0 | 1.0 | 18589 |
| 80 | 281 | 8.2 | 8.0 | -1.5 | 294 | 10.9 | 9.9 | -4.4 | 268 | 10.4 | 10.4 | .4 | 245 | 7.5 | 6.8 | 3.2 | 17801 |
| 90 | 266 | 14.0 | 14.0 | 1.1 | 285 | 16.5 | 16.0 | -4.2 | 274 | 18.9 | 18.9 | -1.4 | 274 | 18.4 | 18.3 | -1.1 | 17121 |
| 100 | 251 | 13.2 | 12.4 | 4.4 | 266 | 18.0 | 18.0 | 1.3 | 272 | 16.8 | 16.8 | -.5 | 271 | 15.7 | 15.7 | -.3 | 16521 |
| 110 | 217 | 6.7 | 4.1 | 5.4 | 212 | 8.5 | 4.5 | 7.2 | 215 | 7.5 | 4.3 | 6.1 | 229 | 7.9 | 6.0 | 5.2 | 15978 |
| 120 | 269 | 8.8 | 8.8 | .1 | 253 | 10.1 | 9.7 | 3.0 | 260 | 9.7 | 9.5 | 1.7 | 274 | 9.3 | 9.3 | -.6 | 15479 |
| 130 | 301 | 13.6 | 11.7 | -6.9 | 295 | 13.3 | 12.0 | -5.6 | 305 | 13.6 | 11.2 | -7.7 | 306 | 14.0 | 11.3 | -8.3 | 15014 |
| 140 | 298 | 17.7 | 15.6 | -8.4 | 297 | 16.0 | 14.3 | -7.2 | 303 | 15.9 | 13.3 | -8.8 | 300 | 16.1 | 13.9 | -8.1 | 14578 |
| 150 | 292 | 18.7 | 17.4 | -6.9 | 289 | 17.1 | 16.1 | -5.5 | 292 | 17.5 | 16.3 | -6.5 | 288 | 18.1 | 17.3 | -5.5 | 14167 |
| 160 | 286 | 17.6 | 16.9 | -4.9 | 285 | 16.9 | 16.3 | -4.3 | 286 | 17.4 | 16.8 | -4.7 | 283 | 17.4 | 16.9 | -3.8 | 13776 |
| 170 | 285 | 17.2 | 16.6 | -4.5 | 286 | 17.2 | 16.5 | -4.7 | 286 | 15.8 | 15.2 | -4.4 | 282 | 17.3 | 16.9 | -3.7 | 13404 |
| 180 | 294 | 16.7 | 15.2 | -6.9 | 285 | 18.1 | 17.4 | -4.8 | 286 | 17.2 | 16.5 | -4.8 | 284 | 18.1 | 17.6 | -4.3 | 13049 |
| 190 | 296 | 16.5 | 14.7 | -7.3 | 282 | 16.3 | 15.9 | -3.4 | 291 | 16.2 | 15.1 | -5.8 | 284 | 16.0 | 15.5 | -3.9 | 12709 |
| 200 | 291 | 14.9 | 13.8 | -5.4 | 278 | 14.7 | 14.6 | -2.0 | 292 | 14.7 | 13.6 | -5.6 | 284 | 12.9 | 12.5 | -3.2 | 12383 |
| 225 | 284 | 8.8 | 8.6 | -2.2 | 289 | 14.2 | 13.4 | -4.6 | 273 | 13.7 | 13.7 | -.8 | 276 | 12.8 | 12.8 | -1.2 | 11617 |
| 250 | 270 | 8.1 | 8.1 | -.1 | 280 | 6.9 | 6.8 | -1.2 | 275 | 10.5 | 10.4 | -.8 | 270 | 9.3 | 9.3 | .1 | 10914 |
| 275 | 275 | 8.8 | 8.8 | -.8 | 252 | 6.0 | 5.7 | 1.8 | 260 | 4.9 | 4.8 | .9 | 272 | 4.4 | 4.4 | -.2 | 10262 |
| 300 | 290 | 9.0 | 8.5 | -3.1 | 273 | 5.7 | 5.6 | -.3 | 241 | 5.5 | 4.8 | 2.6 | 237 | 4.4 | 3.7 | 2.4 | 9654 |
| 325 | 275 | 7.0 | 7.0 | -.6 | 301 | 9.9 | 8.5 | -5.2 | 273 | 5.6 | 5.6 | -.3 | 286 | 3.6 | 3.5 | -1.0 | 9084 |
| 350 | 160 | 3.9 | -1.3 | 3.7 | 225 | 2.6 | 1.8 | 1.9 | 254 | 2.7 | 2.6 | .8 | 146 | 1.7 | -1.0 | 1.4 | 8546 |
| 375 | 132 | 6.2 | -4.6 | 4.2 | 145 | 6.9 | -3.9 | 5.6 | 137 | 7.0 | -4.7 | 5.1 | 135 | 8.0 | -5.7 | 5.6 | 8039 |
| 400 | 200 | 4.9 | 1.7 | 4.6 | 139 | 5.9 | -3.9 | 4.4 | 141 | 4.9 | -3.1 | 3.7 | 176 | 3.9 | -.2 | 3.9 | 7557 |
| 425 | 227 | 3.5 | 2.6 | 2.4 | 240 | 3.2 | 2.8 | 1.6 | 217 | 4.4 | 2.7 | 3.5 | 221 | 4.6 | 3.0 | 3.5 | 7099 |
| 450 | 204 | 4.4 | 1.8 | 4.0 | 250 | 2.7 | 2.6 | .9 | 214 | 4.3 | 2.4 | 3.5 | 234 | 2.8 | 2.3 | 1.6 | 6662 |
| 475 | 232 | 1.4 | 1.1 | .9 | 257 | 1.9 | 1.9 | .4 | 227 | 3.0 | 2.2 | 2.0 | 252 | 2.8 | 2.6 | .9 | 6244 |
| 500 | 270 | 1.9 | 1.9 | .0 | 233 | 2.7 | 2.1 | 1.6 | 237 | 3.1 | 2.6 | 1.7 | 259 | 3.0 | 2.9 | .6 | 5844 |
| 525 | 261 | 2.9 | 2.8 | .5 | 237 | 3.3 | 2.8 | 1.8 | 254 | 3.9 | 3.8 | 1.1 | 272 | 5.3 | 5.3 | -.2 | 5460 |
| 550 | 269 | 3.7 | 3.7 | .1 | 259 | 4.1 | 4.0 | .8 | 265 | 4.6 | 4.6 | .4 | 257 | 4.6 | 4.5 | 1.0 | 5091 |
| 575 | 243 | 3.0 | 2.7 | 1.4 | 251 | 3.8 | 3.6 | 1.2 | 269 | 4.1 | 4.1 | .1 | 248 | 2.8 | 2.6 | 1.0 | 4736 |
| 600 | 246 | 2.3 | 2.1 | .9 | 261 | 3.8 | 3.8 | .6 | 269 | 3.1 | 3.1 | .1 | 277 | 2.4 | 2.3 | -.3 | 4393 |
| 625 | 201 | .4 | .2 | .4 | 179 | 1.3 | -.0 | 1.3 | 140 | 1.3 | -.9 | 1.0 | 151 | 1.3 | -.6 | 1.2 | 4062 |
| 650 | 100 | 3.6 | -3.6 | .6 | 118 | 4.3 | -3.8 | 2.1 | 113 | 4.7 | -4.4 | 1.9 | 113 | 4.2 | -3.9 | 1.6 | 3742 |
| 675 | 122 | 7.0 | -6.0 | 3.7 | 129 | 6.8 | -5.2 | 4.3 | 121 | 6.9 | -5.9 | 3.6 | 121 | 6.6 | -5.6 | 3.4 | 3431 |
| 700 | 139 | 8.1 | -5.3 | 6.1 | 141 | 7.1 | -4.4 | 5.5 | 131 | 7.4 | -5.6 | 4.8 | 127 | 8.7 | -6.9 | 5.3 | 3130 |
| 725 | 142 | 6.1 | -3.7 | 4.8 | 151 | 5.9 | -2.9 | 5.2 | 139 | 6.1 | -3.9 | 4.6 | 128 | 7.3 | -5.7 | 4.5 | 2837 |
| 750 | 137 | 4.0 | -2.7 | 2.9 | 156 | 4.5 | -1.9 | 4.1 | 151 | 4.7 | -2.3 | 4.1 | 159 | 5.1 | -1.8 | 4.8 | 2553 |
| 775 | 135 | 4.0 | -2.8 | 2.8 | 151 | 4.3 | -2.1 | 3.8 | 158 | 5.1 | -1.9 | 4.7 | 175 | 5.6 | -.5 | 5.6 | 2276 |
| 800 | 131 | 6.6 | -5.0 | 4.3 | 139 | 6.5 | -4.3 | 4.9 | 147 | 6.6 | -3.6 | 5.6 | 144 | 6.0 | -3.5 | 4.8 | 2007 |
| 825 | 119 | 10.0 | -8.7 | 4.8 | 124 | 9.1 | -7.5 | 5.0 | 124 | 7.9 | -6.6 | 4.5 | 117 | 7.8 | -7.0 | 3.5 | 1745 |
| 850 | 112 | 12.4 | -11.4 | 4.7 | 106 | 10.8 | -10.3 | 3.1 | 104 | 9.2 | -8.9 | 2.2 | 104 | 8.9 | -8.6 | 2.1 | 1490 |
| 875 | 111 | 12.6 | -11.7 | 4.6 | 92 | 11.3 | -11.3 | .3 | 91 | 9.5 | -9.5 | .2 | 94 | 8.7 | -8.7 | .6 | 1242 |
| 900 | 97 | 11.6 | -11.5 | 1.5 | 84 | 10.6 | -10.6 | -1.1 | 85 | 8.6 | -8.6 | -.7 | 89 | 7.9 | -7.9 | -.1 | 999 |
| 925 | 76 | 11.6 | -11.2 | -2.7 | 82 | 9.3 | -9.2 | -1.2 | 82 | 7.5 | -7.4 | -1.1 | 88 | 6.8 | -6.8 | -.3 | 762 |
| 950 | 73 | 9.6 | -9.2 | -2.9 | 82 | 6.9 | -6.8 | -.9 | 77 | 5.7 | -5.6 | -1.3 | 86 | 5.6 | -5.5 | -.4 | 529 |
| 975 | 84 | 5.7 | -5.7 | -.6 | 82 | 4.0 | -3.9 | -.6 | 71 | 3.5 | -3.3 | -1.1 | 86 | 4.2 | -4.2 | -.3 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/16 1216 GMT | | | | 4/16 18 0 GMT | | | | 4/16 2345 GMT | | | | 4/17 550 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 258 | 26.0 | 25.4 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 23.6 | 23.1 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 291 | 3.3 | 3.1 | -1.2 | | 284 | 9.1 | 8.8 | -2.3 | | 306 | 7.8 | 6.3 | -4.7 | | 284 | 6.8 | 6.6 | -1.7 | 18589 |
| 80 | | 244 | 8.6 | 7.7 | 3.8 | | 247 | 8.0 | 7.4 | 3.1 | | 257 | 5.0 | 4.8 | 1.1 | | 247 | 16.6 | 15.3 | 6.6 | 17801 |
| 90 | | 265 | 19.0 | 19.0 | 1.5 | | 267 | 20.1 | 20.1 | 1.0 | | 269 | 19.1 | 19.1 | .3 | | 266 | 16.3 | 16.2 | 1.1 | 17121 |
| 100 | | 275 | 19.2 | 19.2 | -1.5 | | 279 | 21.4 | 21.1 | -3.5 | | 281 | 25.1 | 24.6 | -5.0 | | 273 | 23.8 | 23.8 | -1.3 | 16521 |
| 110 | | 206 | 8.7 | 3.9 | 7.8 | | 256 | 12.0 | 11.7 | 2.9 | | 266 | 14.7 | 14.7 | .9 | | 238 | 11.5 | 9.7 | 6.1 | 15978 |
| 120 | | 276 | 9.0 | 9.0 | -1.0 | | 215 | 8.1 | 4.6 | 6.7 | | 221 | 8.3 | 5.5 | 6.3 | | 220 | 8.4 | 5.4 | 6.4 | 15479 |
| 130 | | 299 | 13.9 | 12.2 | -6.7 | | 298 | 7.1 | 6.3 | -3.4 | | 293 | 7.7 | 7.0 | -3.0 | | 298 | 4.1 | 3.7 | -2.0 | 15014 |
| 140 | | 293 | 15.5 | 14.3 | -6.0 | | 308 | 12.6 | 9.9 | -7.8 | | 312 | 11.6 | 8.7 | -7.7 | | 304 | 6.8 | 5.6 | -3.7 | 14578 |
| 150 | | 285 | 16.3 | 15.7 | -4.1 | | 301 | 16.6 | 14.2 | -8.6 | | 298 | 12.3 | 10.9 | -5.8 | | 296 | 11.1 | 9.9 | -4.9 | 14167 |
| 160 | | 289 | 16.9 | 16.0 | -5.4 | | 296 | 16.7 | 15.0 | -7.2 | | 287 | 13.2 | 12.6 | -4.0 | | 299 | 17.4 | 15.2 | -8.5 | 13776 |
| 170 | | 300 | 15.8 | 13.7 | -7.8 | | 294 | 16.0 | 14.7 | -6.5 | | 287 | 14.4 | 13.8 | -4.2 | | 300 | 17.6 | 15.2 | -8.9 | 13404 |
| 180 | | 296 | 17.0 | 15.3 | -7.6 | | 298 | 16.4 | 14.5 | -7.7 | | 287 | 15.6 | 14.9 | -4.7 | | 294 | 15.5 | 14.1 | -6.3 | 13049 |
| 190 | | 290 | 16.2 | 15.3 | -5.5 | | 302 | 16.2 | 13.7 | -8.5 | | 293 | 16.1 | 14.8 | -6.3 | | 293 | 13.8 | 12.7 | -5.3 | 12709 |
| 200 | | 286 | 14.6 | 14.1 | -4.0 | | 302 | 13.6 | 11.5 | -7.3 | | 298 | 15.7 | 13.9 | -7.3 | | 290 | 12.1 | 11.3 | -4.2 | 12383 |
| 225 | | 237 | 8.0 | 6.7 | 4.3 | | 278 | 9.0 | 8.9 | -1.3 | | 293 | 11.0 | 10.1 | -4.3 | | 299 | 8.9 | 7.7 | -4.3 | 11617 |
| 250 | | 259 | 8.3 | 8.2 | 1.6 | | 257 | 7.1 | 6.9 | 1.6 | | 259 | 8.0 | 7.9 | 1.6 | | 294 | 9.6 | 8.8 | -3.9 | 10914 |
| 275 | | 231 | 4.8 | 3.8 | 3.0 | | 284 | 3.6 | 3.5 | -.8 | | 263 | 6.3 | 6.2 | .8 | | 269 | 7.7 | 7.7 | .1 | 10262 |
| 300 | | 253 | 5.5 | 5.2 | 1.6 | | 262 | 4.8 | 4.8 | .6 | | 273 | 5.9 | 5.9 | -.3 | | 276 | 8.4 | 8.4 | -.8 | 9654 |
| 325 | | 275 | 4.6 | 4.6 | -.4 | | 272 | 3.5 | 3.5 | -.1 | | 283 | 6.4 | 6.2 | -1.4 | | 272 | 4.5 | 4.5 | -.2 | 9084 |
| 350 | | 187 | 6.4 | .8 | 6.3 | | 185 | 3.4 | .3 | 3.4 | | 230 | 3.1 | 2.4 | 2.0 | | 261 | 3.1 | 3.0 | .5 | 8546 |
| 375 | | 178 | 3.3 | -.1 | 3.3 | | 169 | 5.0 | -1.0 | 4.9 | | 194 | 4.6 | 1.1 | 4.4 | | 185 | 3.6 | .3 | 3.6 | 8039 |
| 400 | | 234 | 6.1 | 4.9 | 3.6 | | 247 | 2.0 | 1.9 | .8 | | 277 | 5.1 | 5.1 | -.6 | | 251 | 4.6 | 4.3 | 1.5 | 7557 |
| 425 | | 255 | 7.8 | 7.5 | 2.0 | | 258 | 5.6 | 5.5 | 1.1 | | 263 | 8.2 | 8.1 | 1.0 | | 246 | 6.8 | 6.3 | 2.8 | 7099 |
| 450 | | 251 | 6.4 | 6.0 | 2.0 | | 254 | 6.0 | 5.8 | 1.6 | | 248 | 7.4 | 6.9 | 2.7 | | 247 | 8.6 | 8.0 | 3.3 | 6662 |
| 475 | | 270 | 5.1 | 5.1 | -.0 | | 276 | 6.2 | 6.1 | -.6 | | 261 | 9.5 | 9.4 | 1.6 | | 258 | 8.1 | 7.9 | 1.7 | 6244 |
| 500 | | 293 | 5.1 | 4.7 | -1.9 | | 296 | 2.8 | 2.6 | -1.2 | | 274 | 6.1 | 6.1 | -.5 | | 264 | 5.2 | 5.2 | .6 | 5844 |
| 525 | | 284 | 4.4 | 4.3 | -1.1 | | 287 | 4.8 | 4.6 | -1.4 | | 262 | 2.8 | 2.8 | .4 | | 247 | 3.2 | 2.9 | 1.2 | 5460 |
| 550 | | 277 | 4.8 | 4.8 | -.6 | | 263 | 5.2 | 5.2 | .6 | | 264 | 3.5 | 3.5 | .4 | | 254 | 2.2 | 2.1 | .6 | 5091 |
| 575 | | 258 | 3.9 | 3.8 | .8 | | 249 | 4.6 | 4.3 | 1.6 | | 245 | 4.0 | 3.6 | 1.7 | | 251 | 2.8 | 2.6 | .9 | 4736 |
| 600 | | 269 | 3.8 | 3.8 | .1 | | 266 | 4.9 | 4.9 | .3 | | 249 | 3.7 | 3.5 | 1.3 | | 218 | 2.6 | 1.6 | 2.0 | 4393 |
| 625 | | 260 | .9 | .9 | .2 | | 248 | 3.5 | 3.2 | 1.3 | | 247 | 3.4 | 3.1 | 1.3 | | 227 | 3.0 | 2.2 | 2.0 | 4062 |
| 650 | | 110 | 4.4 | -4.2 | 1.5 | | 139 | 1.7 | -1.1 | 1.3 | | 201 | 1.8 | .7 | 1.7 | | 148 | 2.1 | -1.1 | 1.8 | 3742 |
| 675 | | 130 | 6.7 | -5.2 | 4.3 | | 125 | 4.8 | -3.9 | 2.7 | | 114 | 2.9 | -2.7 | 1.2 | | 97 | 4.8 | -4.7 | .5 | 3431 |
| 700 | | 121 | 6.2 | -5.3 | 3.2 | | 131 | 5.9 | -4.5 | 3.9 | | 110 | 5.8 | -5.4 | 2.0 | | 111 | 6.5 | -6.1 | 2.4 | 3130 |
| 725 | | 108 | 7.3 | -6.9 | 2.2 | | 122 | 7.7 | -6.5 | 4.1 | | 124 | 7.0 | -5.8 | 3.9 | | 133 | 6.2 | -4.5 | 4.2 | 2837 |
| 750 | | 116 | 7.2 | -6.5 | 3.2 | | 120 | 8.2 | -7.1 | 4.1 | | 125 | 7.2 | -5.9 | 4.1 | | 129 | 4.7 | -3.6 | 2.9 | 2553 |
| 775 | | 125 | 5.3 | -4.4 | 3.0 | | 117 | 6.1 | -5.5 | 2.7 | | 116 | 6.5 | -5.9 | 2.8 | | 108 | 5.0 | -4.8 | 1.6 | 2276 |
| 800 | | 128 | 5.5 | -4.3 | 3.4 | | 111 | 5.0 | -4.7 | 1.8 | | 115 | 6.0 | -5.4 | 2.6 | | 98 | 6.8 | -6.7 | .9 | 2007 |
| 825 | | 122 | 8.7 | -7.3 | 4.6 | | 113 | 6.5 | -6.0 | 2.6 | | 116 | 7.1 | -6.4 | 3.1 | | 86 | 8.0 | -8.0 | -.6 | 1745 |
| 850 | | 110 | 11.5 | -10.9 | 3.9 | | 108 | 9.4 | -9.0 | 2.9 | | 108 | 8.7 | -8.2 | 2.7 | | 79 | 8.4 | -8.2 | -1.6 | 1490 |
| 875 | | 99 | 11.4 | -11.3 | 1.7 | | 99 | 11.2 | -11.0 | 1.8 | | 97 | 9.4 | -9.3 | 1.2 | | 79 | 8.2 | -8.0 | -1.5 | 1242 |
| 900 | | 89 | 9.2 | -9.2 | -.1 | | 93 | 10.6 | -10.6 | .6 | | 89 | 9.2 | -9.2 | -.1 | | 79 | 7.5 | -7.4 | -1.4 | 999 |
| 925 | | 85 | 6.9 | -6.9 | -.6 | | 93 | 9.0 | -9.0 | .4 | | 88 | 7.9 | -7.8 | -.3 | | 79 | 6.0 | -5.9 | -1.2 | 762 |
| 950 | | 90 | 5.0 | -5.0 | .0 | | 98 | 7.3 | -7.2 | 1.0 | | 97 | 5.5 | -5.5 | .6 | | 82 | 4.3 | -4.2 | -.6 | 529 |
| 975 | | 107 | 3.6 | -3.4 | 1.0 | | 107 | 5.4 | -5.2 | 1.6 | | 119 | 4.0 | -3.5 | 2.0 | | 89 | 3.8 | -3.8 | -.1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/17 1145 GMT | | | | 4/17 1645 GMT | | | | 4/17 1940 GMT | | | | 4/17 2236 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 271 | 22.5 | 22.5 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 274 | 19.2 | 19.2 | -1.2 | 19517 |
| 70 | | 265 | 13.4 | 13.3 | 1.2 | | 257 | 17.3 | 16.8 | 4.0 | | 247 | 18.4 | 17.0 | 7.1 | | 264 | 11.2 | 11.2 | 1.1 | 18589 |
| 80 | | 244 | 8.2 | 7.4 | 3.6 | | 257 | 8.0 | 7.7 | 1.8 | | 249 | 8.4 | 7.9 | 3.1 | | 242 | 10.7 | 9.5 | 5.0 | 17801 |
| 90 | | 252 | 18.1 | 17.2 | 5.7 | | 265 | 19.2 | 19.1 | 1.7 | | 260 | 16.7 | 16.4 | 3.0 | | 255 | 19.7 | 19.1 | 5.1 | 17121 |
| 100 | | 268 | 20.2 | 20.2 | .9 | | 259 | 22.8 | 22.4 | 4.3 | | 256 | 24.4 | 23.7 | 5.8 | | 261 | 27.4 | 27.1 | 4.4 | 16521 |
| 110 | | 267 | 22.1 | 22.1 | 1.2 | | 272 | 24.7 | 24.7 | -.7 | | 270 | 23.6 | 23.6 | -.0 | | 270 | 24.4 | 24.4 | -.0 | 15978 |
| 120 | | 235 | 10.0 | 8.2 | 5.7 | | 244 | 13.5 | 12.2 | 5.9 | | 250 | 14.3 | 13.4 | 5.0 | | 260 | 14.3 | 14.0 | 2.6 | 15479 |
| 130 | | 260 | 5.9 | 5.8 | 1.0 | | 240 | 8.3 | 7.2 | 4.2 | | 226 | 8.5 | 6.2 | 5.9 | | 229 | 8.7 | 6.6 | 5.7 | 15014 |
| 140 | | 303 | 9.3 | 7.8 | -5.0 | | 273 | 8.7 | 8.7 | -.5 | | 237 | 8.1 | 6.8 | 4.5 | | 251 | 9.2 | 8.7 | 3.0 | 14578 |
| 150 | | 304 | 14.8 | 12.3 | -8.4 | | 292 | 12.7 | 11.8 | -4.7 | | 280 | 11.5 | 11.3 | -2.0 | | 294 | 14.2 | 13.0 | -5.7 | 14167 |
| 160 | | 300 | 16.8 | 14.6 | -8.3 | | 305 | 21.9 | 18.0 | -12.4 | | 300 | 23.2 | 20.0 | -11.6 | | 304 | 22.7 | 18.9 | -12.7 | 13776 |
| 170 | | 294 | 17.8 | 16.2 | -7.3 | | 301 | 22.4 | 19.2 | -11.5 | | 299 | 24.0 | 21.0 | -11.6 | | 300 | 22.5 | 19.4 | -11.3 | 13404 |
| 180 | | 297 | 14.8 | 13.2 | -6.7 | | 289 | 16.0 | 15.1 | -5.3 | | 291 | 17.7 | 16.5 | -6.3 | | 295 | 17.9 | 16.2 | -7.5 | 13049 |
| 190 | | 298 | 12.2 | 10.7 | -5.7 | | 286 | 10.1 | 9.7 | -2.8 | | 279 | 13.0 | 12.9 | -2.0 | | 290 | 14.2 | 13.4 | -4.8 | 12709 |
| 200 | | 294 | 12.9 | 11.8 | -5.2 | | 282 | 7.9 | 7.7 | -1.7 | | 276 | 9.0 | 8.9 | -.9 | | 283 | 9.8 | 9.6 | -2.3 | 12383 |
| 225 | | 283 | 12.1 | 11.8 | -2.7 | | 297 | 11.4 | 10.2 | -5.2 | | 284 | 13.2 | 12.8 | -3.3 | | 286 | 10.6 | 10.2 | -2.9 | 11617 |
| 250 | | 270 | 5.4 | 5.4 | -.0 | | 281 | 9.5 | 9.3 | -1.8 | | 282 | 9.7 | 9.5 | -2.1 | | 283 | 8.8 | 8.6 | -1.9 | 10914 |
| 275 | | 311 | 6.7 | 5.0 | -4.4 | | 292 | 3.7 | 3.4 | -1.4 | | 261 | 5.2 | 5.1 | .8 | | 260 | 5.0 | 4.9 | .8 | 10262 |
| 300 | | 292 | 5.3 | 4.9 | -2.0 | | 318 | 4.1 | 2.7 | -3.0 | | 285 | 3.2 | 3.1 | -.8 | | 287 | 2.8 | 2.7 | -.8 | 9654 |
| 325 | | 283 | 6.4 | 6.3 | -1.4 | | 280 | 3.0 | 3.0 | -.5 | | 258 | 4.5 | 4.4 | .9 | | 260 | 3.1 | 3.1 | .5 | 9084 |
| 350 | | 254 | 6.0 | 5.8 | 1.6 | | 231 | 1.7 | 1.3 | 1.1 | | 287 | .5 | .5 | -.1 | | 280 | 1.3 | 1.3 | -.2 | 8546 |
| 375 | | 260 | 3.5 | 3.4 | .6 | | 286 | 7.6 | 7.3 | -2.0 | 3 | 278 | 3.4 | 3.4 | -.5 | | 262 | 2.2 | 2.2 | .3 | 8039 |
| 400 | | 222 | 3.4 | 2.3 | 2.5 | | 278 | 4.4 | 4.4 | -.6 | | 304 | 5.6 | 4.6 | -3.1 | | 290 | 6.1 | 5.7 | -2.1 | 7557 |
| 425 | | 261 | 5.1 | 5.1 | .8 | | 268 | 3.1 | 3.1 | .1 | | 236 | 2.1 | 1.8 | 1.2 | | 275 | 4.0 | 4.0 | -.3 | 7099 |
| 450 | | 248 | 5.6 | 5.2 | 2.1 | | 254 | 6.2 | 6.0 | 1.7 | | 240 | 5.9 | 5.2 | 3.0 | | 220 | 3.6 | 2.3 | 2.7 | 6662 |
| 475 | | 266 | 6.7 | 6.7 | .5 | | 255 | 5.7 | 5.5 | 1.5 | | 252 | 5.2 | 4.9 | 1.6 | | 224 | 5.7 | 4.0 | 4.1 | 6244 |
| 500 | | 258 | 4.2 | 4.1 | .9 | | 253 | 4.0 | 3.8 | 1.1 | | 260 | 5.0 | 4.9 | .8 | | 237 | 4.9 | 4.2 | 2.7 | 5844 |
| 525 | | 233 | 4.0 | 3.2 | 2.4 | | 230 | 3.4 | 2.7 | 2.2 | | 247 | 3.7 | 3.4 | 1.5 | | 240 | 4.1 | 3.5 | 2.1 | 5460 |
| 550 | | 256 | 4.5 | 4.4 | 1.1 | | 233 | 3.7 | 3.0 | 2.2 | | 235 | 3.5 | 2.8 | 2.0 | | 244 | 3.8 | 3.4 | 1.7 | 5091 |
| 575 | | 276 | 3.8 | 3.8 | -.4 | | 262 | 2.8 | 2.8 | .4 | | 263 | 2.7 | 2.6 | .3 | | 259 | 3.2 | 3.1 | .6 | 4736 |
| 600 | | 269 | 3.3 | 3.3 | .1 | | 290 | 1.3 | 1.2 | -.4 | | 342 | 3.2 | 1.0 | -3.0 | | 285 | 1.2 | 1.1 | -.3 | 4393 |
| 625 | | 273 | 3.1 | 3.1 | -.2 | | 276 | 2.0 | 2.0 | -.2 | | 352 | 1.6 | .2 | -1.6 | | 339 | .7 | .3 | -.7 | 4062 |
| 650 | | 37 | 1.7 | -1.0 | -1.3 | | 280 | 2.4 | 2.4 | -.4 | | 241 | 1.8 | 1.6 | .9 | | 328 | 1.0 | .5 | -.8 | 3742 |
| 675 | | 85 | 4.8 | -4.8 | -.4 | | 56 | 2.3 | -2.0 | -1.3 | | 7 | 1.6 | -.2 | -1.6 | | 53 | 3.1 | -2.5 | -1.9 | 3431 |
| 700 | | 108 | 4.8 | -4.6 | 1.5 | | 84 | 5.6 | -5.6 | -.6 | | 69 | 6.5 | -6.1 | -2.3 | | 73 | 6.6 | -6.3 | -1.9 | 3130 |
| 725 | | 113 | 3.7 | -3.4 | 1.4 | | 99 | 5.0 | -5.0 | .8 | | 83 | 7.3 | -7.3 | -.9 | | 79 | 5.6 | -5.5 | -1.0 | 2837 |
| 750 | | 104 | 3.7 | -3.6 | .9 | | 98 | 3.8 | -3.8 | .6 | | 87 | 4.3 | -4.3 | -.3 | | 65 | 4.4 | -4.0 | -1.8 | 2553 |
| 775 | | 96 | 5.3 | -5.3 | .6 | | 86 | 4.6 | -4.6 | -.3 | | 69 | 4.0 | -3.7 | -1.5 | | 57 | 5.7 | -4.8 | -3.0 | 2276 |
| 800 | | 82 | 6.9 | -6.8 | -.9 | | 80 | 6.2 | -6.1 | -1.1 | | 71 | 6.0 | -5.6 | -1.9 | | 58 | 7.5 | -6.3 | -4.0 | 2007 |
| 825 | | 66 | 7.7 | -7.0 | -3.2 | | 70 | 7.0 | -6.6 | -2.4 | | 71 | 7.5 | -7.1 | -2.5 | | 52 | 8.9 | -7.0 | -5.5 | 1745 |
| 850 | | 55 | 8.3 | -6.8 | -4.7 | | 60 | 7.1 | -6.1 | -3.6 | | 63 | 8.1 | -7.2 | -3.7 | | 44 | 9.4 | -6.5 | -6.8 | 1490 |
| 875 | | 53 | 8.5 | -6.8 | -5.1 | | 57 | 7.0 | -5.9 | -3.9 | | 57 | 7.7 | -6.5 | -4.2 | | 41 | 8.5 | -5.6 | -6.4 | 1242 |
| 900 | | 55 | 7.7 | -6.3 | -4.4 | | 62 | 6.8 | -6.0 | -3.2 | | 62 | 7.0 | -6.2 | -3.3 | | 48 | 7.2 | -5.3 | -4.8 | 999 |
| 925 | | 63 | 6.3 | -5.6 | -2.8 | | 73 | 5.9 | -5.6 | -1.8 | | 73 | 6.6 | -6.3 | -2.0 | | 62 | 6.3 | -5.5 | -3.0 | 762 |
| 950 | | 83 | 4.9 | -4.9 | -.6 | | 89 | 4.6 | -4.6 | -.1 | | 85 | 6.0 | -6.0 | -.6 | | 73 | 5.8 | -5.5 | -1.7 | 529 |
| 975 | | 103 | 4.3 | -4.2 | 1.0 | | 111 | 3.6 | -3.3 | 1.3 | | 104 | 5.6 | -5.4 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/18 131 GMT | | | | 4/18 5 1 GMT | | | | 4/18 12 7 GMT | | | | 4/18 18 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 277 | 8.5 | 8.5 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 249 | 15.7 | 14.8 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 258 | 16.4 | 16.1 | 3.5 | | 265 | 15.4 | 15.3 | 1.4 | | 262 | 19.3 | 19.1 | 2.5 | | 252 | 14.6 | 13.9 | 4.5 | 18589 |
| 80 | | 232 | 10.9 | 8.6 | 6.6 | | 199 | 8.0 | 2.6 | 7.5 | | 248 | 9.0 | 8.4 | 3.3 | | 290 | 6.5 | 6.1 | -2.3 | 17801 |
| 90 | | 261 | 20.6 | 20.4 | 3.3 | | 255 | 17.2 | 16.7 | 4.3 | | 241 | 21.2 | 18.5 | 10.4 | | 240 | 20.8 | 18.1 | 10.3 | 17121 |
| 100 | | 257 | 28.1 | 27.4 | 6.2 | | 260 | 25.3 | 24.9 | 4.5 | | 251 | 26.8 | 25.4 | 8.6 | | 241 | 26.0 | 22.8 | 12.5 | 16521 |
| 110 | | 265 | 23.2 | 23.1 | 2.1 | | 259 | 24.0 | 23.6 | 4.4 | | 257 | 22.9 | 22.4 | 5.1 | | 254 | 26.4 | 25.4 | 7.2 | 15978 |
| 120 | | 257 | 16.6 | 16.2 | 3.7 | | 255 | 21.0 | 20.3 | 5.4 | | 253 | 17.0 | 16.3 | 5.0 | | 248 | 22.1 | 20.4 | 8.4 | 15479 |
| 130 | | 236 | 9.1 | 7.5 | 5.1 | | 242 | 10.9 | 9.6 | 5.1 | | 241 | 11.4 | 10.0 | 5.5 | | 240 | 14.3 | 12.3 | 7.2 | 15014 |
| 140 | | 238 | 9.2 | 7.8 | 4.9 | | 242 | 10.0 | 8.8 | 4.6 | | 224 | 10.7 | 7.4 | 7.7 | | 236 | 12.6 | 10.5 | 7.0 | 14578 |
| 150 | | 267 | 9.2 | 9.2 | .4 | | 283 | 9.2 | 8.9 | -2.1 | | 240 | 5.5 | 4.7 | 2.8 | | 278 | 6.9 | 6.8 | -1.0 | 14167 |
| 160 | | 304 | 17.7 | 14.7 | -10.0 | | 307 | 17.8 | 14.2 | -10.7 | | 313 | 8.4 | 6.1 | -5.8 | | 309 | 15.1 | 11.8 | -9.5 | 13776 |
| 170 | | 302 | 22.9 | 19.4 | -12.1 | | 301 | 20.8 | 17.9 | -10.6 | | 313 | 19.1 | 13.9 | -13.1 | | 305 | 21.2 | 17.3 | -12.2 | 13404 |
| 180 | | 296 | 20.9 | 18.9 | -9.0 | | 296 | 19.9 | 17.8 | -8.8 | | 308 | 22.4 | 17.8 | -13.7 | | 300 | 21.1 | 18.2 | -10.6 | 13049 |
| 190 | | 294 | 18.6 | 17.0 | -7.5 | | 289 | 19.1 | 18.1 | -6.2 | | 301 | 16.6 | 14.3 | -8.5 | | 300 | 18.5 | 16.1 | -9.1 | 12709 |
| 200 | | 294 | 15.8 | 14.4 | -6.5 | | 287 | 17.8 | 17.1 | -5.2 | | 294 | 15.6 | 14.3 | -6.4 | | 302 | 15.3 | 13.0 | -8.1 | 12383 |
| 225 | | 289 | 7.6 | 7.2 | -2.5 | | 285 | 10.4 | 10.1 | -2.7 | | 288 | 12.9 | 12.3 | -4.0 | | 298 | 11.4 | 10.1 | -5.3 | 11617 |
| 250 | | 300 | 8.1 | 7.1 | -4.0 | | 295 | 12.4 | 11.3 | -5.2 | | 283 | 12.7 | 12.4 | -2.9 | | 283 | 9.0 | 8.7 | -2.1 | 10914 |
| 275 | | 277 | 7.4 | 7.3 | -.9 | | 290 | 5.4 | 5.1 | -1.9 | | 287 | 10.5 | 10.0 | -3.1 | | 321 | 7.9 | 5.0 | -6.1 | 10262 |
| 300 | | 256 | 4.9 | 4.7 | 1.2 | | 254 | 5.2 | 5.0 | 1.5 | | 291 | 5.7 | 5.3 | -2.0 | | 309 | 3.8 | 3.0 | -2.4 | 9654 |
| 325 | | 275 | 4.0 | 4.0 | -.3 | | 243 | 4.5 | 4.0 | 2.0 | | 232 | 3.6 | 2.8 | 2.2 | | 256 | .7 | .7 | .2 | 9084 |
| 350 | | 264 | 4.1 | 4.1 | .4 | | 225 | 3.8 | 2.7 | 2.7 | | 236 | 4.3 | 3.6 | 2.4 | | 188 | 3.2 | .5 | 3.1 | 8546 |
| 375 | | 268 | 2.6 | 2.6 | .1 | | 269 | 2.7 | 2.7 | .1 | | 240 | 4.9 | 4.2 | 2.5 | | 222 | 3.1 | 2.0 | 2.3 | 8039 |
| 400 | | 280 | 4.5 | 4.4 | -.8 | | 285 | 3.1 | 3.0 | -.8 | | 265 | 2.4 | 2.4 | .2 | | 214 | 3.0 | 1.7 | 2.5 | 7557 |
| 425 | | 282 | 4.4 | 4.3 | -.9 | | 258 | 3.3 | 3.2 | .7 | | 239 | 3.1 | 2.6 | 1.6 | | 196 | 3.1 | .9 | 3.0 | 7099 |
| 450 | | 226 | 3.6 | 2.6 | 2.5 | | 217 | 4.1 | 2.5 | 3.2 | | 215 | 5.1 | 2.9 | 4.1 | | 192 | 4.0 | .8 | 4.0 | 6662 |
| 475 | | 219 | 5.5 | 3.4 | 4.3 | | 209 | 5.5 | 2.7 | 4.8 | | 214 | 6.1 | 3.5 | 5.1 | | 186 | 5.0 | .5 | 5.0 | 6244 |
| 500 | | 227 | 5.6 | 4.1 | 3.8 | | 218 | 6.0 | 3.7 | 4.8 | | 243 | 5.9 | 5.3 | 2.7 | | 214 | 3.8 | 2.1 | 3.1 | 5844 |
| 525 | | 229 | 3.2 | 2.4 | 2.1 | | 223 | 2.5 | 1.7 | 1.8 | | 278 | 4.7 | 4.6 | -.6 | | 269 | 2.5 | 2.5 | .1 | 5460 |
| 550 | | 256 | 2.2 | 2.1 | .5 | | 260 | 1.5 | 1.5 | .3 | | 293 | 3.1 | 2.9 | -1.2 | | 312 | 1.9 | 1.4 | -1.3 | 5091 |
| 575 | | 276 | 3.6 | 3.5 | -.4 | | 286 | 2.6 | 2.5 | -.7 | | 308 | 3.4 | 2.7 | -2.1 | | 349 | 2.7 | .5 | -2.7 | 4736 |
| 600 | | 309 | 2.3 | 1.8 | -1.4 | | 312 | 2.9 | 2.2 | -2.0 | | 316 | 3.6 | 2.5 | -2.6 | | 323 | 1.9 | 1.2 | -1.6 | 4393 |
| 625 | | 10 | 2.0 | -.4 | -1.9 | | 27 | 2.7 | -1.2 | -2.4 | | 3 | 3.4 | -.2 | -3.4 | | 327 | 3.0 | 1.7 | -2.5 | 4062 |
| 650 | | 308 | .7 | .6 | -.5 | | 38 | 2.2 | -1.4 | -1.7 | | 6 | 2.8 | -.3 | -2.8 | | 17 | 2.9 | -.8 | -2.7 | 3742 |
| 675 | | 166 | .3 | -.1 | .3 | | 348 | 1.6 | .3 | -1.5 | | 13 | 2.1 | -.5 | -2.1 | | 51 | 4.2 | -3.3 | -2.7 | 3431 |
| 700 | | 74 | 5.0 | -4.8 | -1.4 | | 45 | 3.4 | -2.4 | -2.4 | | 44 | 4.4 | -3.1 | -3.1 | | 54 | 6.0 | -4.9 | -3.5 | 3130 |
| 725 | | 74 | 7.0 | -6.7 | -2.0 | | 59 | 7.3 | -6.3 | -3.8 | | 53 | 7.0 | -5.6 | -4.2 | | 48 | 7.4 | -5.5 | -5.0 | 2837 |
| 750 | | 72 | 5.8 | -5.5 | -1.8 | | 60 | 8.5 | -7.4 | -4.3 | | 58 | 7.6 | -6.4 | -4.0 | | 42 | 9.7 | -6.4 | -7.3 | 2553 |
| 775 | | 64 | 6.5 | -5.8 | -2.9 | | 64 | 7.4 | -6.7 | -3.2 | | 60 | 7.0 | -6.1 | -3.6 | | 44 | 10.9 | -7.6 | -7.8 | 2276 |
| 800 | | 58 | 8.0 | -6.8 | -4.3 | | 69 | 7.5 | -7.0 | -2.7 | | 56 | 7.9 | -6.5 | -4.4 | | 49 | 9.5 | -7.2 | -6.2 | 2007 |
| 825 | | 53 | 8.7 | -6.9 | -5.3 | | 62 | 9.2 | -8.1 | -4.4 | | 52 | 9.9 | -7.8 | -6.1 | | 51 | 7.9 | -6.1 | -5.0 | 1745 |
| 850 | | 48 | 9.0 | -6.6 | -6.0 | | 53 | 10.3 | -8.2 | -6.1 | | 49 | 10.8 | -8.1 | -7.1 | | 45 | 8.4 | -5.9 | -5.9 | 1490 |
| 875 | | 46 | 8.7 | -6.3 | -6.1 | | 50 | 9.9 | -7.5 | -6.4 | | 47 | 10.7 | -7.8 | -7.3 | | 41 | 9.5 | -6.3 | -7.1 | 1242 |
| 900 | | 48 | 8.0 | -6.0 | -5.4 | | 49 | 9.1 | -6.9 | -5.9 | | 47 | 11.1 | -8.2 | -7.5 | | 40 | 9.2 | -6.0 | -7.0 | 999 |
| 925 | | 51 | 7.0 | -5.4 | -4.4 | | 52 | 8.2 | -6.5 | -5.0 | | 49 | 11.8 | -9.0 | -7.7 | | 42 | 7.5 | -5.0 | -5.6 | 762 |
| 950 | | 55 | 5.7 | -4.7 | -3.3 | | 59 | 7.0 | -6.0 | -3.6 | | 52 | 11.5 | -9.0 | -7.2 | | 50 | 5.5 | -4.2 | -3.5 | 529 |
| 975 | | 64 | 4.6 | -4.1 | -2.0 | | 68 | 6.0 | -5.5 | -2.3 | | 53 | 9.5 | -7.5 | -5.7 | | 66 | 4.3 | -3.9 | -1.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/18 2340 GMT | | | | 4/19 540 GMT | | | | 4/19 1149 GMT | | | | 4/19 17 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 236 | 18.3 | 15.3 | 10.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 17.4 | 17.3 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 250 | 13.7 | 12.9 | 4.7 | | 271 | 3.0 | 3.0 | -.1 | | 257 | 20.4 | 19.9 | 4.5 | | 264 | 18.4 | 18.3 | 1.9 | 18589 |
| 80 | | 251 | 2.9 | 2.8 | 1.0 | | 244 | 11.6 | 10.4 | 5.2 | | 264 | 9.0 | 8.9 | 1.0 | | 244 | 7.0 | 6.3 | 3.1 | 17801 |
| 90 | | 249 | 13.6 | 12.6 | 5.0 | | 256 | 23.6 | 22.9 | 5.8 | | 271 | 12.0 | 12.0 | -.2 | | 273 | 15.6 | 15.5 | -.9 | 17121 |
| 100 | | 246 | 27.0 | 24.6 | 11.0 | | 255 | 26.4 | 25.5 | 6.6 | | 263 | 22.3 | 22.1 | 2.9 | | 262 | 22.1 | 21.9 | 3.1 | 16521 |
| 110 | | 250 | 29.1 | 27.4 | 10.0 | | 249 | 29.2 | 27.2 | 10.5 | | 258 | 25.9 | 25.4 | 5.2 | | 253 | 25.5 | 24.4 | 7.3 | 15978 |
| 120 | | 247 | 26.7 | 24.5 | 10.5 | | 236 | 30.9 | 25.6 | 17.3 | | 250 | 27.1 | 25.6 | 9.1 | | 257 | 27.4 | 26.6 | 6.3 | 15479 |
| 130 | | 238 | 20.0 | 17.0 | 10.6 | | 232 | 19.3 | 15.1 | 12.0 | | 242 | 27.5 | 24.4 | 12.7 | | 250 | 26.9 | 25.3 | 9.1 | 15014 |
| 140 | | 249 | 17.3 | 16.1 | 6.2 | | 228 | 10.3 | 7.6 | 6.9 | | 232 | 25.0 | 19.7 | 15.4 | | 243 | 25.5 | 22.7 | 11.7 | 14578 |
| 150 | | 266 | 6.2 | 6.1 | .4 | | 227 | 8.9 | 6.5 | 6.0 | | 229 | 21.3 | 16.0 | 14.0 | | 239 | 24.8 | 21.3 | 12.7 | 14167 |
| 160 | | 302 | 13.1 | 11.1 | -7.0 | | 283 | 8.7 | 8.4 | -2.0 | | 227 | 15.5 | 11.4 | 10.6 | | 229 | 20.5 | 15.4 | 13.5 | 13776 |
| 170 | | 303 | 21.4 | 18.1 | -11.5 | | 305 | 14.7 | 12.0 | -8.5 | | 257 | 11.0 | 10.7 | 2.5 | | 232 | 14.4 | 11.4 | 8.8 | 13404 |
| 180 | | 306 | 19.4 | 15.7 | -11.4 | | 305 | 16.3 | 13.4 | -9.4 | | 298 | 12.5 | 11.0 | -5.9 | | 270 | 11.7 | 11.7 | -.1 | 13049 |
| 190 | | 313 | 15.0 | 11.1 | -10.2 | | 302 | 15.8 | 13.4 | -8.3 | | 301 | 12.7 | 10.9 | -6.5 | | 282 | 13.7 | 13.4 | -2.7 | 12709 |
| 200 | | 311 | 14.5 | 11.0 | -9.5 | | 302 | 13.6 | 11.5 | -7.2 | | 294 | 13.3 | 12.1 | -5.4 | | 273 | 12.0 | 12.0 | -.6 | 12383 |
| 225 | | 274 | 10.8 | 10.8 | -.8 | | 262 | 6.0 | 6.0 | .8 | | 276 | 8.7 | 8.7 | -1.0 | | 255 | 10.5 | 10.1 | 2.7 | 11617 |
| 250 | | 267 | 5.9 | 5.9 | .3 | | 256 | 6.3 | 6.1 | 1.5 | | 255 | 7.1 | 6.9 | 1.8 | | 251 | 7.8 | 7.3 | 2.6 | 10914 |
| 275 | | 308 | 5.2 | 4.1 | -3.2 | | 277 | 7.1 | 7.0 | -.9 | | 285 | 3.9 | 3.7 | -1.0 | | 246 | 6.8 | 6.2 | 2.8 | 10262 |
| 300 | | 310 | 5.3 | 4.0 | -3.4 | | 288 | 3.6 | 3.4 | -1.1 | | 285 | 8.2 | 7.9 | -2.0 | | 243 | 3.0 | 2.7 | 1.3 | 9654 |
| 325 | | 205 | 2.9 | 1.2 | 2.6 | | 298 | 3.2 | 2.8 | -1.5 | | 286 | 8.1 | 7.8 | -2.2 | | 277 | 7.1 | 7.0 | -.8 | 9084 |
| 350 | | 198 | 4.7 | 1.5 | 4.5 | | 261 | 5.0 | 4.9 | .8 | | 260 | 3.7 | 3.7 | .7 | | 245 | 3.9 | 3.5 | 1.6 | 8546 |
| 375 | | 222 | 5.4 | 3.6 | 4.0 | | 253 | 5.7 | 5.5 | 1.6 | | 260 | 6.1 | 6.0 | 1.1 | | 251 | 7.5 | 7.1 | 2.5 | 8039 |
| 400 | | 205 | 4.8 | 2.1 | 4.4 | | 203 | 6.1 | 2.4 | 5.6 | | 218 | 6.6 | 4.1 | 5.2 | | 248 | 6.9 | 6.4 | 2.6 | 7557 |
| 425 | | 203 | 4.6 | 1.8 | 4.3 | | 151 | 6.4 | -3.1 | 5.6 | | 173 | 6.6 | -.8 | 6.5 | | 203 | 4.9 | 1.9 | 4.5 | 7099 |
| 450 | | 205 | 3.6 | 1.5 | 3.3 | | 141 | 5.7 | -3.6 | 4.5 | | 163 | 4.5 | -1.3 | 4.3 | | 158 | 3.8 | -1.4 | 3.5 | 6662 |
| 475 | | 183 | 4.5 | .2 | 4.5 | | 158 | 3.5 | -1.3 | 3.3 | | 197 | 3.8 | 1.1 | 3.7 | | 171 | 1.5 | -.2 | 1.5 | 6244 |
| 500 | | 226 | 5.6 | 4.0 | 3.8 | | 173 | 3.3 | -.4 | 3.3 | | 190 | 3.6 | .7 | 3.6 | | 188 | 1.7 | .2 | 1.7 | 5844 |
| 525 | | 257 | 6.2 | 6.1 | 1.4 | | 224 | 5.2 | 3.6 | 3.8 | | 215 | 5.5 | 3.1 | 4.5 | | 201 | 3.3 | 1.2 | 3.1 | 5460 |
| 550 | | 286 | 3.2 | 3.1 | -.9 | | 252 | 4.9 | 4.7 | 1.5 | | 240 | 6.8 | 5.9 | 3.4 | | 241 | 5.3 | 4.6 | 2.6 | 5091 |
| 575 | | 328 | 4.9 | 2.6 | -4.1 | | 285 | 2.8 | 2.7 | -.7 | | 279 | 4.6 | 4.6 | -.8 | | 280 | 3.1 | 3.1 | -.6 | 4736 |
| 600 | | 298 | 4.1 | 3.6 | -1.9 | | 292 | 2.5 | 2.3 | -.9 | | 313 | 4.3 | 3.1 | -3.0 | | 16 | 3.7 | -1.0 | -3.6 | 4393 |
| 625 | | 234 | 2.6 | 2.1 | 1.5 | | 328 | 1.8 | .9 | -1.5 | | 18 | 3.8 | -1.2 | -3.6 | | 51 | 6.5 | -5.1 | -4.1 | 4062 |
| 650 | | 344 | 2.0 | .6 | -2.0 | | 41 | 4.9 | -3.2 | -3.7 | | 54 | 9.7 | -7.9 | -5.7 | | 80 | 8.6 | -8.5 | -1.5 | 3742 |
| 675 | | 34 | 5.4 | -3.0 | -4.5 | | 48 | 7.7 | -5.7 | -5.2 | | 58 | 10.8 | -9.2 | -5.7 | | 83 | 11.4 | -11.3 | -1.3 | 3431 |
| 700 | | 56 | 9.1 | -7.5 | -5.1 | | 45 | 9.2 | -6.5 | -6.5 | | 68 | 10.1 | -9.4 | -3.7 | | 70 | 12.7 | -12.0 | -4.3 | 3130 |
| 725 | | 60 | 10.8 | -9.3 | -5.4 | | 43 | 9.9 | -6.8 | -7.2 | | 74 | 9.9 | -9.5 | -2.7 | | 71 | 12.2 | -11.5 | -4.1 | 2837 |
| 750 | | 59 | 9.3 | -8.0 | -4.9 | | 52 | 8.9 | -7.0 | -5.5 | | 76 | 9.2 | -8.9 | -2.3 | | 80 | 11.0 | -10.8 | -2.0 | 2553 |
| 775 | | 68 | 6.7 | -6.3 | -2.5 | | 68 | 8.4 | -7.8 | -3.1 | | 80 | 9.8 | -9.7 | -1.8 | | 82 | 10.2 | -10.1 | -1.4 | 2276 |
| 800 | | 90 | 8.9 | -8.9 | -.0 | | 80 | 8.8 | -8.6 | -1.5 | | 80 | 10.7 | -10.6 | -1.9 | | 78 | 9.4 | -9.2 | -1.9 | 2007 |
| 825 | | 91 | 11.2 | -11.2 | .2 | | 80 | 8.4 | -8.3 | -1.5 | | 77 | 11.0 | -10.7 | -2.5 | | 75 | 10.6 | -10.2 | -2.8 | 1745 |
| 850 | | 89 | 10.9 | -10.9 | -.1 | | 70 | 8.3 | -7.8 | -2.8 | | 71 | 10.7 | -10.1 | -3.6 | | 74 | 12.6 | -12.1 | -3.4 | 1490 |
| 875 | | 89 | 8.7 | -8.7 | -.2 | | 65 | 9.1 | -8.2 | -3.8 | | 64 | 10.1 | -9.1 | -4.4 | | 78 | 12.4 | -12.1 | -2.7 | 1242 |
| 900 | | 92 | 6.1 | -6.1 | .3 | | 67 | 9.4 | -8.7 | -3.6 | | 68 | 9.7 | -9.0 | -3.7 | | 83 | 12.2 | -12.1 | -1.5 | 999 |
| 925 | | 98 | 6.1 | -6.0 | .8 | | 73 | 8.8 | -8.4 | -2.5 | | 81 | 9.9 | -9.7 | -1.6 | | 86 | 13.1 | -13.1 | -.9 | 762 |
| 950 | | 96 | 7.4 | -7.4 | .8 | | 77 | 7.9 | -7.7 | -1.7 | | 91 | 10.0 | -10.0 | .2 | | 88 | 12.9 | -12.9 | -.4 | 529 |
| 975 | | 93 | 7.4 | -7.4 | .4 | | 77 | 7.1 | -6.9 | -1.6 | | 94 | 9.5 | -9.5 | .7 | | 90 | 10.9 | -10.9 | .1 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/19 20 9 GMT | | | | 4/19 2246 GMT | | | | 4/20 140 GMT | | | | 4/20 5 5 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 0 0 | 0.0 | 0.0 | 0.0 | 251 | 16.0 | 15.2 | 5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | 268 | 15.9 | 15.9 | .5 | 268 | 19.3 | 19.2 | .6 | 254 | 20.7 | 19.8 | 5.7 | 247 | 16.7 | 15.3 | 6.5 | 18589 |
| 80 | 262 | 7.0 | 7.0 | .9 | 234 | 7.7 | 6.2 | 4.5 | 248 | 14.1 | 13.1 | 5.3 | 264 | 11.1 | 11.0 | 1.2 | 17801 |
| 90 | 274 | 14.3 | 14.3 | -1.0 | 272 | 12.9 | 12.9 | -.5 | 262 | 15.4 | 15.2 | 2.1 | 264 | 14.6 | 14.5 | 1.5 | 17121 |
| 100 | 251 | 22.7 | 21.5 | 7.3 | 261 | 19.4 | 19.2 | 3.1 | 267 | 18.7 | 18.7 | .8 | 263 | 18.7 | 18.6 | 2.1 | 16521 |
| 110 | 252 | 24.3 | 23.1 | 7.6 | 254 | 23.2 | 22.3 | 6.4 | 262 | 22.8 | 22.6 | 3.1 | 263 | 21.8 | 21.6 | 2.7 | 15978 |
| 120 | 259 | 25.7 | 25.3 | 4.9 | 262 | 24.0 | 23.8 | 3.4 | 261 | 24.5 | 24.2 | 3.6 | 263 | 24.2 | 24.1 | 3.0 | 15479 |
| 130 | 256 | 24.9 | 24.2 | 5.8 | 261 | 24.1 | 23.7 | 3.9 | 258 | 25.9 | 25.3 | 5.4 | 261 | 21.8 | 21.6 | 3.4 | 15014 |
| 140 | 249 | 24.7 | 23.0 | 9.0 | 252 | 23.7 | 22.6 | 7.3 | 252 | 26.7 | 25.3 | 8.3 | 254 | 28.3 | 27.2 | 7.7 | 14578 |
| 150 | 238 | 22.6 | 19.1 | 12.1 | 243 | 23.2 | 20.7 | 10.4 | 243 | 23.9 | 21.2 | 11.0 | 247 | 27.7 | 25.5 | 10.8 | 14167 |
| 160 | 232 | 18.7 | 14.8 | 11.4 | 237 | 21.5 | 18.1 | 11.7 | 235 | 22.8 | 18.7 | 13.0 | 241 | 24.5 | 21.3 | 11.9 | 13776 |
| 170 | 242 | 13.5 | 12.0 | 6.3 | 240 | 17.3 | 14.9 | 8.7 | 236 | 19.0 | 15.8 | 10.5 | 238 | 19.2 | 16.2 | 10.3 | 13404 |
| 180 | 268 | 11.6 | 11.6 | .5 | 251 | 12.8 | 12.0 | 4.2 | 251 | 13.7 | 13.0 | 4.4 | 240 | 13.8 | 12.0 | 6.8 | 13049 |
| 190 | 282 | 12.7 | 12.4 | -2.6 | 276 | 11.8 | 11.7 | -1.2 | 268 | 12.2 | 12.2 | .5 | 265 | 11.6 | 11.6 | 1.0 | 12709 |
| 200 | 279 | 12.0 | 11.8 | -1.8 | 287 | 13.8 | 13.2 | -4.0 | 275 | 13.2 | 13.1 | -1.3 | 269 | 11.2 | 11.2 | .2 | 12383 |
| 225 | 250 | 10.8 | 10.1 | 3.7 | 259 | 10.3 | 10.1 | 2.0 | 259 | 15.9 | 15.6 | 3.0 | 246 | 13.5 | 12.3 | 5.6 | 11617 |
| 250 | 233 | 10.5 | 8.4 | 6.3 | 256 | 11.5 | 11.2 | 2.8 | 250 | 13.6 | 12.7 | 4.7 | 241 | 12.4 | 10.8 | 6.1 | 10914 |
| 275 | 237 | 10.7 | 9.0 | 5.8 | 248 | 11.8 | 10.9 | 4.5 | 267 | 11.6 | 11.6 | .7 | 258 | 12.1 | 11.8 | 2.5 | 10262 |
| 300 | 233 | 7.2 | 5.7 | 4.3 | 245 | 10.0 | 9.0 | 4.2 | 260 | 9.4 | 9.3 | 1.6 | 256 | 13.5 | 13.1 | 3.2 | 9654 |
| 325 | 255 | 3.3 | 3.2 | .9 | 238 | 3.3 | 2.8 | 1.8 | 244 | 9.4 | 8.5 | 4.1 | 256 | 11.2 | 10.9 | 2.7 | 9084 |
| 350 | 291 | 4.4 | 4.1 | -1.6 | 277 | 4.0 | 4.0 | -.5 | 280 | 3.7 | 3.7 | -.6 | 234 | 4.8 | 3.9 | 2.8 | 8546 |
| 375 | 256 | 4.1 | 4.0 | 1.0 | 232 | 3.8 | 3.0 | 2.4 | 266 | 3.7 | 3.7 | .2 | 255 | 3.1 | 3.0 | .8 | 8039 |
| 400 | 217 | 5.0 | 3.0 | 4.0 | 230 | 6.6 | 5.0 | 4.2 | 243 | 6.9 | 6.2 | 3.2 | 253 | 4.5 | 4.3 | 1.3 | 7557 |
| 425 | 196 | 5.1 | 1.4 | 4.9 | 209 | 6.5 | 3.1 | 5.7 | 198 | 6.4 | 2.0 | 6.0 | 222 | 5.0 | 3.4 | 3.7 | 7099 |
| 450 | 190 | 3.3 | .5 | 3.2 | 218 | 4.5 | 2.8 | 3.5 | 216 | 5.1 | 3.0 | 4.2 | 194 | 5.0 | 1.2 | 4.9 | 6662 |
| 475 | 247 | 2.0 | 1.9 | .8 | 214 | 2.5 | 1.4 | 2.0 | 202 | 3.3 | 1.3 | 3.1 | 202 | 2.9 | 1.1 | 2.7 | 6244 |
| 500 | 230 | 1.8 | 1.4 | 1.2 | 248 | 3.6 | 3.3 | 1.3 | 216 | 2.9 | 1.7 | 2.4 | 210 | 1.5 | .8 | 1.3 | 5844 |
| 525 | 201 | 3.3 | 1.2 | 3.1 | 214 | 2.7 | 1.5 | 2.2 | 180 | 2.1 | .0 | 2.1 | 222 | 1.4 | .9 | 1.0 | 5460 |
| 550 | 217 | 4.0 | 2.4 | 3.2 | 212 | 4.0 | 2.2 | 3.4 | 167 | 2.8 | -.6 | 2.7 | 164 | 2.2 | -.6 | 2.1 | 5091 |
| 575 | 257 | 4.0 | 3.9 | .9 | 233 | 3.4 | 2.7 | 2.1 | 214 | 2.7 | 1.5 | 2.2 | 224 | 2.4 | 1.7 | 1.7 | 4736 |
| 600 | 339 | 2.3 | .8 | -2.1 | 304 | 2.3 | 1.9 | -1.3 | 286 | 1.6 | 1.5 | -.4 | 318 | 1.4 | .9 | -1.0 | 4393 |
| 625 | 42 | 5.9 | -3.9 | -4.4 | 43 | 5.7 | -3.9 | -4.1 | 47 | 5.4 | -3.9 | -3.6 | 69 | 5.8 | -5.5 | -2.0 | 4062 |
| 650 | 73 | 8.6 | -8.3 | -2.5 | 79 | 8.8 | -8.7 | -1.6 | 82 | 9.3 | -9.2 | -1.2 | 85 | 10.9 | -10.9 | -1.0 | 3742 |
| 675 | 90 | 11.2 | -11.2 | -.0 | 85 | 9.2 | -9.2 | -.8 | 79 | 10.6 | -10.4 | -2.0 | 84 | 11.8 | -11.7 | -1.2 | 3431 |
| 700 | 87 | 11.3 | -11.3 | -.6 | 80 | 8.1 | -8.0 | -1.4 | 76 | 10.2 | -9.9 | -2.4 | 78 | 11.0 | -10.8 | -2.2 | 3130 |
| 725 | 80 | 10.6 | -10.4 | -1.9 | 79 | 9.4 | -9.2 | -1.8 | 80 | 9.9 | -9.8 | -1.7 | 75 | 10.6 | -10.2 | -2.8 | 2837 |
| 750 | 78 | 10.5 | -10.3 | -2.2 | 78 | 10.9 | -10.7 | -2.2 | 82 | 9.8 | -9.7 | -1.4 | 79 | 9.8 | -9.7 | -1.9 | 2553 |
| 775 | 89 | 10.7 | -10.7 | -.3 | 87 | 11.5 | -11.5 | -.7 | 89 | 10.1 | -10.1 | -.2 | 93 | 10.4 | -10.4 | .6 | 2276 |
| 800 | 92 | 10.5 | -10.4 | .4 | 95 | 11.3 | -11.3 | .9 | 97 | 11.2 | -11.1 | 1.3 | 104 | 12.6 | -12.3 | 3.1 | 2007 |
| 825 | 79 | 10.8 | -10.6 | -2.0 | 92 | 10.7 | -10.7 | .4 | 101 | 11.7 | -11.5 | 2.1 | 105 | 14.0 | -13.6 | 3.6 | 1745 |
| 850 | 77 | 12.4 | -12.1 | -2.7 | 86 | 11.5 | -11.5 | -.9 | 99 | 11.5 | -11.4 | 1.9 | 100 | 13.8 | -13.6 | 2.5 | 1490 |
| 875 | 87 | 13.8 | -13.8 | -.8 | 89 | 13.3 | -13.3 | -.1 | 98 | 11.9 | -11.7 | 1.7 | 96 | 13.0 | -12.9 | 1.4 | 1242 |
| 900 | 94 | 14.1 | -14.1 | 1.1 | 95 | 13.9 | -13.9 | 1.3 | 99 | 11.6 | -11.4 | 1.8 | 93 | 11.9 | -11.9 | .7 | 999 |
| 925 | 96 | 12.8 | -12.7 | 1.4 | 98 | 12.6 | -12.5 | 1.8 | 100 | 9.9 | -9.8 | 1.8 | 92 | 9.9 | -9.9 | .4 | 762 |
| 950 | 95 | 10.9 | -10.8 | 1.0 | 99 | 10.5 | -10.3 | 1.7 | 101 | 7.9 | -7.7 | 1.6 | 94 | 7.9 | -7.9 | .6 | 529 |
| 975 | 96 | 9.5 | -9.5 | 1.0 | 102 | 9.4 | -9.2 | 2.0 | 106 | 7.4 | -7.1 | 2.0 | 99 | 7.3 | -7.3 | 1.1 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/20 1215 GMT | | | | 4/20 1745 GMT | | | | 4/20 2340 GMT | | | | 4/21 556 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 60 | | 252 | 12.7 | 12.1 | 3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 281 | 13.1 | 12.9 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| 70 | | 249 | 16.1 | 15.1 | 5.7 | | 236 | 18.3 | 15.3 | 10.1 | | 233 | 15.2 | 12.2 | 9.1 | | 241 | 15.1 | 13.2 | 7.2 | 18589 |
| 80 | | 277 | 13.5 | 13.4 | -1.5 | | 252 | 11.5 | 11.0 | 3.5 | | 258 | 10.1 | 9.9 | 2.1 | | 269 | 9.3 | 9.3 | .1 | 17801 |
| 90 | | 287 | 16.2 | 15.5 | -4.8 | | 288 | 14.5 | 13.8 | -4.4 | | 277 | 18.2 | 18.1 | -2.3 | | 283 | 16.1 | 15.7 | -3.6 | 17121 |
| 100 | | 276 | 17.2 | 17.1 | -1.7 | | 281 | 17.0 | 16.7 | -3.1 | | 279 | 17.6 | 17.4 | -2.6 | | 262 | 18.2 | 18.1 | 2.5 | 16521 |
| 110 | | 261 | 21.7 | 21.5 | 3.3 | | 265 | 23.1 | 23.0 | 2.2 | | 270 | 19.6 | 19.6 | -.1 | | 262 | 19.4 | 19.2 | 2.6 | 15978 |
| 120 | | 261 | 23.7 | 23.3 | 3.9 | | 260 | 24.2 | 23.9 | 4.2 | | 273 | 22.3 | 22.2 | -1.1 | | 270 | 19.9 | 19.9 | .1 | 15479 |
| 130 | | 258 | 23.8 | 23.4 | 4.8 | | 253 | 28.2 | 26.9 | 8.4 | | 260 | 23.8 | 23.4 | 4.3 | | 262 | 22.3 | 22.1 | 3.2 | 15014 |
| 140 | | 254 | 29.7 | 28.6 | 8.1 | | 252 | 27.8 | 26.5 | 8.5 | | 252 | 25.0 | 23.7 | 7.9 | | 262 | 22.0 | 21.8 | 3.2 | 14578 |
| 150 | | 249 | 28.3 | 26.5 | 10.2 | | 246 | 26.6 | 24.3 | 10.8 | | 257 | 23.4 | 22.8 | 5.4 | | 266 | 21.1 | 21.0 | 1.5 | 14167 |
| 160 | | 249 | 26.0 | 24.2 | 9.5 | | 253 | 22.8 | 21.9 | 6.5 | | 264 | 20.4 | 20.3 | 2.1 | | 270 | 20.3 | 20.3 | .1 | 13776 |
| 170 | | 254 | 19.2 | 18.5 | 5.2 | | 262 | 18.6 | 18.4 | 2.5 | | 271 | 19.9 | 19.9 | -.4 | | 269 | 19.3 | 19.3 | .4 | 13404 |
| 180 | | 264 | 16.0 | 15.9 | 1.8 | | 267 | 18.0 | 17.9 | .8 | | 278 | 21.7 | 21.4 | -3.0 | | 276 | 17.4 | 17.3 | -1.8 | 13049 |
| 190 | | 270 | 17.2 | 17.2 | -.1 | | 273 | 18.9 | 18.9 | -.9 | | 285 | 20.9 | 20.2 | -5.4 | | 290 | 15.4 | 14.5 | -5.2 | 12709 |
| 200 | | 271 | 18.8 | 18.8 | -.2 | | 280 | 19.5 | 19.2 | -3.3 | | 291 | 19.6 | 18.3 | -6.9 | | 290 | 15.6 | 14.6 | -5.3 | 12383 |
| 225 | | 264 | 18.0 | 17.9 | 1.9 | | 276 | 20.3 | 20.2 | -2.0 | | 298 | 18.1 | 16.0 | -8.4 | | 289 | 13.9 | 13.1 | -4.5 | 11617 |
| 250 | | 262 | 17.9 | 17.8 | 2.4 | | 251 | 19.4 | 18.4 | 6.2 | | 281 | 19.4 | 19.1 | -3.7 | | 305 | 13.7 | 11.2 | -7.9 | 10914 |
| 275 | | 253 | 16.6 | 15.9 | 4.7 | | 262 | 20.5 | 20.3 | 2.9 | | 261 | 21.5 | 21.3 | 3.3 | | 283 | 14.2 | 13.8 | -3.2 | 10262 |
| 300 | | 253 | 12.8 | 12.3 | 3.6 | | 243 | 12.9 | 11.6 | 5.8 | | 252 | 18.4 | 17.5 | 5.6 | | 260 | 14.0 | 13.8 | 2.5 | 9654 |
| 325 | | 255 | 11.4 | 11.1 | 2.9 | | 253 | 10.4 | 10.0 | 3.1 | | 252 | 15.9 | 15.1 | 5.0 | | 241 | 17.3 | 15.1 | 8.3 | 9084 |
| 350 | | 241 | 10.8 | 9.5 | 5.2 | | 239 | 11.7 | 10.0 | 6.0 | | 256 | 12.1 | 11.7 | 3.0 | | 255 | 12.2 | 11.8 | 3.1 | 8546 |
| 375 | | 224 | 5.5 | 3.9 | 3.9 | | 225 | 7.6 | 5.4 | 5.4 | | 244 | 10.1 | 9.1 | 4.4 | | 234 | 10.3 | 8.3 | 6.1 | 8039 |
| 400 | | 234 | 6.7 | 5.4 | 4.0 | | 210 | 6.9 | 3.4 | 6.0 | | 210 | 7.8 | 3.9 | 6.8 | | 224 | 8.4 | 5.8 | 6.0 | 7557 |
| 425 | | 244 | 6.9 | 6.2 | 3.0 | | 229 | 6.5 | 4.9 | 4.2 | | 208 | 6.9 | 3.2 | 6.1 | | 211 | 7.2 | 3.7 | 6.2 | 7099 |
| 450 | | 222 | 5.1 | 3.5 | 3.8 | | 231 | 2.8 | 2.2 | 1.7 | | 212 | 3.5 | 1.8 | 3.0 | | 226 | 4.6 | 3.3 | 3.2 | 6662 |
| 475 | | 212 | 3.2 | 1.7 | 2.7 | | 151 | 3.0 | -1.4 | 2.6 | | 165 | 3.8 | -1.0 | 3.7 | | 171 | 2.6 | -.4 | 2.6 | 6244 |
| 500 | | 154 | 2.6 | -1.1 | 2.4 | | 104 | 3.4 | -3.3 | .8 | | 116 | 2.4 | -2.1 | 1.0 | | 113 | 3.6 | -3.3 | 1.4 | 5844 |
| 525 | | 127 | 1.0 | -.8 | .6 | | 31 | 2.3 | -1.2 | -2.0 | | 6 | 1.9 | -.2 | -1.8 | | 354 | 2.0 | .2 | -1.9 | 5460 |
| 550 | | 79 | 1.6 | -1.6 | -.3 | | 18 | 2.7 | -.8 | -2.6 | | 18 | 1.7 | -.5 | -1.6 | | 303 | 2.3 | 1.9 | -1.3 | 5091 |
| 575 | | 22 | 1.1 | -.4 | -1.1 | | 4 | 2.8 | -.2 | -2.8 | | 348 | 2.2 | .5 | -2.2 | | 313 | 1.5 | 1.1 | -1.0 | 4736 |
| 600 | | 358 | 3.5 | .1 | -3.5 | | 3 | 3.5 | -.2 | -3.5 | | 357 | 3.3 | .2 | -3.3 | | 13 | 1.7 | -.4 | -1.6 | 4393 |
| 625 | | 40 | 4.9 | -3.2 | -3.8 | | 67 | 4.1 | -3.8 | -1.6 | | 61 | 4.4 | -3.9 | -2.2 | | 69 | 4.0 | -3.8 | -1.4 | 4062 |
| 650 | | 70 | 9.0 | -8.5 | -3.1 | | 87 | 7.1 | -7.1 | -.4 | | 94 | 5.7 | -5.6 | .4 | | 87 | 6.7 | -6.7 | -.4 | 3742 |
| 675 | | 70 | 10.7 | -10.1 | -3.6 | | 86 | 7.9 | -7.9 | -.6 | | 97 | 6.2 | -6.1 | .7 | | 96 | 7.2 | -7.1 | .8 | 3431 |
| 700 | | 75 | 9.6 | -9.3 | -2.5 | | 94 | 8.0 | -7.9 | .6 | | 92 | 7.0 | -7.0 | .3 | | 104 | 6.2 | -6.0 | 1.5 | 3130 |
| 725 | | 91 | 8.8 | -8.8 | .1 | | 103 | 7.7 | -7.5 | 1.8 | | 99 | 5.8 | -5.7 | .9 | | 107 | 4.8 | -4.5 | 1.4 | 2837 |
| 750 | | 107 | 10.0 | -9.6 | 3.0 | | 110 | 8.5 | -8.0 | 2.9 | | 115 | 5.7 | -5.1 | 2.4 | | 108 | 4.9 | -4.7 | 1.5 | 2553 |
| 775 | | 113 | 12.1 | -11.2 | 4.6 | | 113 | 10.4 | -9.6 | 4.1 | | 116 | 7.3 | -6.6 | 3.2 | | 101 | 6.8 | -6.7 | 1.3 | 2276 |
| 800 | | 106 | 12.6 | -12.1 | 3.6 | | 109 | 11.5 | -10.9 | 3.7 | | 106 | 8.9 | -8.6 | 2.5 | | 92 | 8.8 | -8.8 | .3 | 2007 |
| 825 | | 96 | 11.8 | -11.8 | 1.2 | | 99 | 11.8 | -11.6 | 1.8 | | 93 | 9.9 | -9.9 | .4 | | 78 | 10.2 | -10.0 | -2.1 | 1745 |
| 850 | | 93 | 11.8 | -11.7 | .5 | | 89 | 12.3 | -12.3 | -.2 | | 80 | 10.2 | -10.1 | -1.8 | | 65 | 11.1 | -10.0 | -4.7 | 1490 |
| 875 | | 93 | 12.4 | -12.3 | .7 | | 83 | 12.9 | -12.8 | -1.6 | | 72 | 10.2 | -9.7 | -3.1 | | 62 | 10.4 | -9.1 | -4.9 | 1242 |
| 900 | | 90 | 12.1 | -12.1 | .0 | | 79 | 12.7 | -12.5 | -2.5 | | 73 | 9.8 | -9.4 | -2.9 | | 69 | 8.9 | -8.3 | -3.3 | 999 |
| 925 | 0 | 87 | 10.5 | -10.5 | -.5 | | 79 | 11.3 | -11.1 | -2.2 | | 80 | 9.1 | -8.9 | -1.5 | | 77 | 8.2 | -7.9 | -1.9 | 762 |
| 950 | | 92 | 8.0 | -8.0 | .2 | | 85 | 9.2 | -9.1 | -.8 | | 93 | 7.8 | -7.8 | .4 | | 84 | 7.5 | -7.5 | -.8 | 529 |
| 975 | | 98 | 6.2 | -6.1 | .8 | | 96 | 7.5 | -7.5 | .7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 6.9 | -6.9 | .4 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/21 1210 GMT | | | | 4/21 17 0 GMT | | | | 4/21 20 0 GMT | | | | 4/21 2237 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 60 | 271 | 18.4 | 18.4 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 286 | 17.4 | 16.7 | -4.8 | 19517 |
| 70 | 255 | 19.1 | 18.4 | 5.1 | 246 | 20.0 | 18.2 | 8.2 | 249 | 14.8 | 13.8 | 5.3 | 248 | 19.5 | 18.2 | 7.2 | 18589 |
| 80 | 230 | 11.4 | 8.7 | 7.4 | 223 | 15.8 | 10.8 | 11.5 | 215 | 15.6 | 8.9 | 12.8 | 218 | 15.7 | 9.7 | 12.4 | 17801 |
| 90 | 298 | 18.2 | 16.1 | -8.5 | 307 | 13.2 | 10.6 | -7.9 | 298 | 11.4 | 10.1 | -5.4 | 297 | 12.8 | 11.3 | -5.8 | 17121 |
| 100 | 264 | 21.5 | 21.4 | 2.4 | 277 | 22.8 | 22.6 | -3.0 | 266 | 21.5 | 21.4 | 1.6 | 272 | 20.9 | 20.9 | -.6 | 16521 |
| 110 | 260 | 29.8 | 29.3 | 5.3 | 267 | 25.6 | 25.6 | 1.5 | 261 | 25.1 | 24.8 | 3.8 | 253 | 22.5 | 21.6 | 6.5 | 15978 |
| 120 | 266 | 25.1 | 25.1 | 1.6 | 269 | 25.5 | 25.5 | .3 | 275 | 24.1 | 24.0 | -2.1 | 276 | 22.5 | 22.4 | -2.3 | 15479 |
| 130 | 269 | 21.7 | 21.7 | .4 | 263 | 22.6 | 22.5 | 2.7 | 267 | 23.1 | 23.1 | 1.1 | 283 | 22.0 | 21.4 | -5.0 | 15014 |
| 140 | 267 | 20.6 | 20.6 | 1.2 | 266 | 18.7 | 18.7 | 1.2 | 259 | 22.2 | 21.8 | 4.2 | 273 | 21.5 | 21.5 | -1.2 | 14578 |
| 150 | 270 | 19.3 | 19.3 | .1 | 271 | 15.7 | 15.7 | -.4 | 263 | 20.0 | 19.8 | 2.5 | 265 | 21.0 | 20.9 | 1.6 | 14167 |
| 160 | 268 | 21.1 | 21.0 | .8 | 265 | 18.1 | 18.0 | 1.4 | 265 | 17.2 | 17.2 | 1.6 | 263 | 19.4 | 19.3 | 2.5 | 13776 |
| 170 | 270 | 20.1 | 20.1 | .1 | 267 | 20.4 | 20.4 | 1.1 | 267 | 17.4 | 17.3 | 1.0 | 268 | 17.5 | 17.5 | .6 | 13404 |
| 180 | 281 | 20.5 | 20.1 | -3.9 | 278 | 19.8 | 19.6 | -2.9 | 268 | 17.6 | 17.6 | .5 | 272 | 16.0 | 15.9 | -.6 | 13049 |
| 190 | 283 | 17.4 | 17.0 | -4.0 | 288 | 18.0 | 17.1 | -5.7 | 276 | 16.7 | 16.6 | -1.7 | 267 | 13.6 | 13.6 | .6 | 12709 |
| 200 | 282 | 15.4 | 15.1 | -3.2 | 293 | 16.6 | 15.3 | -6.4 | 290 | 15.4 | 14.5 | -5.3 | 3 265 | 12.6 | 12.6 | 1.0 | 12383 |
| 225 | 297 | 14.6 | 13.0 | -6.7 | 296 | 15.5 | 14.0 | -6.7 | 285 | 13.5 | 13.0 | -3.6 | 2 273 | 15.6 | 15.6 | -.9 | 11617 |
| 250 | 281 | 12.8 | 12.5 | -2.5 | 306 | 12.1 | 9.8 | -7.1 | 298 | 13.4 | 11.9 | -6.3 | 293 | 12.1 | 11.1 | -4.8 | 10914 |
| 275 | 268 | 8.4 | 8.4 | .3 | 291 | 9.7 | 9.1 | -3.5 | 303 | 11.3 | 9.4 | -6.2 | 314 | 10.8 | 7.8 | -7.5 | 10262 |
| 300 | 264 | 13.6 | 13.5 | 1.5 | 268 | 8.3 | 8.3 | .2 | 294 | 9.4 | 8.6 | -3.8 | 305 | 8.5 | 6.9 | -4.9 | 9654 |
| 325 | 251 | 15.1 | 14.2 | 4.9 | 262 | 13.9 | 13.8 | 2.0 | 283 | 8.4 | 8.2 | -1.8 | 278 | 10.5 | 10.4 | -1.4 | 9084 |
| 350 | 253 | 11.9 | 11.3 | 3.6 | 253 | 11.5 | 11.0 | 3.3 | 3 258 | 11.8 | 11.5 | 2.5 | 263 | 11.3 | 11.2 | 1.4 | 8546 |
| 375 | 253 | 9.3 | 8.9 | 2.7 | 262 | 9.4 | 9.4 | 1.3 | 259 | 10.2 | 10.0 | 1.9 | 261 | 13.0 | 12.9 | 2.0 | 8039 |
| 400 | 239 | 9.4 | 8.1 | 4.8 | 264 | 8.7 | 8.6 | .8 | 275 | 6.9 | 6.8 | -.6 | 272 | 5.8 | 5.8 | -.3 | 7557 |
| 425 | 241 | 8.0 | 7.0 | 3.8 | 263 | 7.3 | 7.2 | .9 | 271 | 5.6 | 5.6 | -.1 | 280 | 3.8 | 3.7 | -.7 | 7099 |
| 450 | 241 | 5.5 | 4.8 | 2.7 | 254 | 6.1 | 5.9 | 1.7 | 255 | 5.2 | 5.0 | 1.3 | 267 | 6.0 | 6.0 | .3 | 6662 |
| 475 | 248 | 3.4 | 3.1 | 1.3 | 242 | 3.6 | 3.2 | 1.7 | 225 | 3.2 | 2.3 | 2.2 | 238 | 4.9 | 4.1 | 2.6 | 6244 |
| 500 | 127 | 2.7 | -2.1 | 1.6 | 181 | 1.9 | .0 | 1.9 | 186 | 3.5 | .4 | 3.5 | 196 | 2.9 | .8 | 2.8 | 5844 |
| 525 | 116 | 2.5 | -2.2 | 1.1 | 125 | 3.2 | -2.6 | 1.8 | 121 | 3.6 | -3.0 | 1.8 | 157 | 3.4 | -1.3 | 3.1 | 5460 |
| 550 | 358 | 2.1 | .1 | -2.1 | 16 | 1.6 | -.4 | -1.6 | 37 | 3.0 | -1.8 | -2.4 | 75 | 2.5 | -2.4 | -.7 | 5091 |
| 575 | 36 | 2.0 | -1.2 | -1.6 | 318 | 1.3 | .9 | -1.0 | 25 | 2.5 | -1.0 | -2.2 | 18 | 3.1 | -1.0 | -2.9 | 4736 |
| 600 | 30 | 3.0 | -1.5 | -2.6 | 29 | 1.4 | -.7 | -1.2 | 32 | 2.6 | -1.4 | -2.2 | 42 | 2.1 | -1.4 | -1.6 | 4393 |
| 625 | 56 | 4.5 | -3.7 | -2.5 | 54 | 4.7 | -3.8 | -2.8 | 44 | 4.7 | -3.3 | -3.4 | 68 | 3.1 | -2.9 | -1.2 | 4062 |
| 650 | 70 | 7.7 | -7.3 | -2.7 | 62 | 8.2 | -7.3 | -3.8 | 59 | 6.9 | -5.9 | -3.5 | 74 | 6.3 | -6.1 | -1.7 | 3742 |
| 675 | 77 | 6.9 | -6.7 | -1.5 | 77 | 8.6 | -8.3 | -2.0 | 67 | 7.9 | -7.3 | -3.1 | 75 | 7.6 | -7.4 | -2.0 | 3431 |
| 700 | 75 | 5.6 | -5.4 | -1.5 | 85 | 7.2 | -7.2 | -.6 | 74 | 6.8 | -6.6 | -1.9 | 79 | 6.0 | -5.9 | -1.2 | 3130 |
| 725 | 67 | 4.9 | -4.5 | -1.9 | 77 | 6.0 | -5.9 | -1.3 | 74 | 5.5 | -5.3 | -1.5 | 83 | 4.2 | -4.2 | -.5 | 2837 |
| 750 | 81 | 4.3 | -4.2 | -.7 | 74 | 5.1 | -4.9 | -1.4 | 74 | 4.9 | -4.7 | -1.3 | 68 | 3.8 | -3.5 | -1.4 | 2553 |
| 775 | 98 | 5.9 | -5.9 | .9 | 79 | 5.4 | -5.3 | -1.0 | 81 | 5.0 | -5.0 | -.8 | 64 | 3.7 | -3.3 | -1.6 | 2276 |
| 800 | 97 | 8.0 | -7.9 | 1.0 | 79 | 6.1 | -6.0 | -1.1 | 83 | 5.7 | -5.7 | -.7 | 78 | 4.2 | -4.1 | -.9 | 2007 |
| 825 | 89 | 8.5 | -8.5 | -.2 | 82 | 6.9 | -6.8 | -1.0 | 85 | 6.7 | -6.7 | -.6 | 84 | 6.2 | -6.1 | -.7 | 1745 |
| 850 | 76 | 8.0 | -7.8 | -2.0 | 82 | 8.2 | -8.1 | -1.1 | 86 | 7.4 | -7.3 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 64 | 7.4 | -6.7 | -3.3 | 75 | 8.4 | -8.1 | -2.2 | 83 | 6.9 | -6.8 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 63 | 7.0 | -6.2 | -3.2 | 66 | 7.4 | -6.8 | -3.1 | 77 | 5.9 | -5.7 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | 70 | 6.8 | -6.4 | -2.4 | 63 | 6.2 | -5.5 | -2.9 | 77 | 5.1 | -5.0 | -1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | 79 | 6.2 | -6.1 | -1.2 | 68 | 4.9 | -4.5 | -1.9 | 87 | 4.4 | -4.4 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | 94 | 5.0 | -4.9 | .3 | 81 | 3.7 | -3.6 | -.6 | 103 | 3.9 | -3.8 | .9 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

# APPENDIX B: WIND DATA BELOW 60 mb (*USC&GSS Surveyor*)

Day-to-day positions of the *Surveyor* . . . . . .
Wind data . . . . . .

*** POSITION — LINE ISLANDS EXPERIMENT — HOURLY OBSERVATIONS ***

STATION NO. 9WTES SHIP SURVEYOR FEB 1967

LATITUDE (DEGREES & TENTHS)

| DAY | LOCAL HOUR 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | | | | | | | | 90 | 89 | 86 | 84 | 81 | 79 | 79 | 76 | 74 | 73 | 70 | 69 | 66 | 64 | 61 | 60 | 59 |
| 17 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 58 | 58 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 18 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 19 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 20 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 58 | 59 | 60 | 60 | 60 | 60 | 60 |
| 21 | 60 | 58 | 58 | 56 | 55 | 53 | 53 | 53 | 51 | 50 | 49 | 48 | 47 | 46 | 47 | 47 | 48 | 48 | 48 | 47 | 46 | 45 | 43 | 43 |
| 22 | 42 | 40 | 39 | 39 | 38 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 23 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 24 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 40 | 40 | 40 | 38 | 37 | 37 | 36 |
| 25 | 36 | 35 | 35 | 34 | 34 | 33 | 33 | 32 | 31 | 31 | 31 | 31 | 30 | 29 | 28 | 27 | 26 | 24 | 23 | 20 | 19 | 17 | 16 | 15 |
| 26 | 13 | 13 | 10 | 8 | 7 | 6 | 5 | 4 | 2 | 1 | 0 | -1 | -2 | -4 | -5 | -6 | -9 | -10 | -11 | -13 | -15 | -16 | -18 | -19 |
| 27 | -20 | -22 | -23 | -26 | -27 | -28 | -30 | -30 | -30 | -30 | -30 | -30 | -29 | -28 | -25 | -23 | -20 | -19 | -18 | -15 | -13 | -10 | -9 | -7 |
| 28 | -5 | -3 | -3 | -4 | -5 | -6 | -6 | -9 | -12 | -14 | -15 | -14 | -13 | -10 | -9 | -6 | -5 | -3 | -1 | 0 | 1 | 3 | 4 | 5 |

NEGATIVE SIGN = SOUTH LATITUDE



*** POSITION — LINE ISLANDS EXPERIMENT — HOURLY OBSERVATIONS ***

STATION NO. 9WTES SHIP SURVEYOR FEB 1967

WEST LONGITUDE (DEGREES & TENTHS + 100)

| DAY | LOCAL HOUR 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | | | | | | | | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 578 | 578 | 578 | 578 | 579 |
| 17 | 581 | 584 | 586 | 589 | 591 | 594 | 596 | 598 | 601 | 603 | 606 | 611 | 612 | 615 | 616 | 618 | 620 | 623 | 623 | 623 | 623 | 623 | 623 | 622 |
| 18 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 622 | 621 | 621 | 621 | 621 | 621 |
| 19 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 620 | 620 | 620 | 620 | 620 | 620 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 |
| 20 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 623 | 625 | 625 | 625 | 624 | 622 | 620 | 618 |
| 21 | 618 | 618 | 618 | 618 | 614 | 613 | 613 | 611 | 610 | 607 | 607 | 607 | 607 | 607 | 605 | 605 | 603 | 602 | 602 | 602 | 602 | 600 | 599 | 599 |
| 22 | 598 | 597 | 597 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 |
| 23 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 |
| 24 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 594 | 590 | 590 | 590 | 590 | 589 | 587 | 585 |
| 25 | 583 | 581 | 579 | 577 | 575 | 572 | 572 | 570 | 568 | 566 | 564 | 562 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 |
| 26 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 560 | 561 | 561 | 561 | 561 | 561 |
| 27 | 561 | 561 | 561 | 564 | 564 | 564 | 564 | 564 | 565 | 566 | 570 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 576 | 578 | 579 | 580 | 581 | 582 |
| 28 | 584 | 585 | 585 | 584 | 583 | 582 | 581 | 579 | 577 | 576 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |

*** POSITION LINE ISLANDS EXPERIMENT HOURLY OBSERVATIONS ***

STATION NO. 9WTES SHIP SURVEYOR MAR 1967

LATITUDE (DEGREES & TENTHS )

| DAY | LOCAL HOUR | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 8 | 9 | 10 | 11 | 13 | 15 | 17 | 18 | 18 | 19 | 19 | 19 | 19 | 18 | 19 | 19 | 19 | 20 | 20 | 25 | 28 | 30 | 32 | 35 |
| 2 | 37 | 39 | 42 | 44 | 46 | 49 | 52 | 53 | 54 | 57 | 60 | 62 | 63 | 65 | 65 | 65 | 65 | 67 | 67 | 70 | 72 | 75 | 77 | 79 |
| 3 | 81 | 83 | 86 | 88 | 90 | 91 | 93 | 96 | 98 | 100 | 101 | 104 | 108 | 111 | 113 | 115 | 118 | 120 | 122 | 125 | 128 | 130 | 132 | 134 |
| 4 | 137 | 139 | 141 | 144 | 146 | 148 | 151 | 154 | 157 | 159 | 162 | 164 | 166 | 168 | 171 | 173 | 175 | 177 | 180 | 182 | 184 | 187 | 189 | M |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | 178 | 175 | 173 | 171 | 169 | 166 | 165 | 163 | 159 | 155 | 153 | 150 | 149 | 148 | 145 | 143 | 140 | 138 |
| 12 | 135 | 133 | 130 | 128 | 126 | 124 | 122 | 119 | 117 | 114 | 111 | 108 | 106 | 104 | 101 | 98 | 96 | 94 | 92 | 88 | 86 | 84 | 82 | 79 |
| 13 | 77 | 75 | 73 | 70 | 68 | 66 | 65 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 62 | 62 | 62 | 62 | 63 |
| 14 | 63 | 63 | 63 | 64 | 64 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 15 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 16 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 17 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 18 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 19 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 20 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 21 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 22 | 64 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 |
| 24 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 25 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 62 | 59 | 57 | 55 | |
| 26 | 53 | 51 | 49 | 47 | 45 | 43 | 41 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 42 | 43 | 44 | 45 | 47 | 49 | 50 |
| 27 | 51 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 61 | 61 | 61 | 61 |
| 28 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 63 | 65 | 67 | 70 | 72 | M | 78 | 80 | 83 | 85 | 88 |
| 29 | 90 | 93 | 96 | 98 | 99 | 101 | 104 | 106 | 108 | 111 | 112 | 114 | 116 | 119 | 123 | 126 | 129 | 131 | 133 | 134 | 137 | 139 | 141 | 144 |
| 30 | 146 | 148 | 151 | 153 | 156 | 158 | 160 | 164 | 166 | 168 | | | | | | | | | | | | | | |

NEGATIVE SIGN = SOUTH LATITUDE

*** POSITION LINE ISLANDS EXPERIMENT HOURLY OBSERVATIONS ***

STATION NO. 9WTES SHIP SURVEYOR MAR 1967

WEST LONGITUDE (DEGREES & TENTHS + 100)

| DAY | LOCAL HOUR | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 575 | 575 | 575 | 575 | 575 | 575 | 576 | 576 | 577 | 578 | 578 | 578 | 578 | 578 | 575 | 577 | 579 | 579 | 575 | 576 | 576 | 577 | 577 | 577 |
| 2 | 578 | 578 | 578 | 578 | 578 | 579 | 579 | 580 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 582 | 582 | 580 | 580 | 580 | 580 | 580 |
| 3 | 580 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 582 | 582 | 582 | 582 | 582 |
| 4 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 582 | 583 | 584 | 584 | 584 | 584 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 584 | 584 | 584 |
| 12 | 584 | 584 | 584 | 584 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 582 | 582 | 582 | 582 | 582 |
| 13 | 582 | 582 | 582 | 582 | 581 | 580 | 580 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 577 | 577 | 577 | 577 | 577 |
| 14 | 577 | 578 | 578 | 578 | 579 | 579 | 579 | 579 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 15 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 579 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 16 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 17 | 580 | 580 | 579 | 579 | 579 | 579 | 579 | 579 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 18 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 |
| 19 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 20 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 21 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 22 | 579 | 579 | 579 | 579 | 579 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 580 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 23 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 24 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 |
| 25 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 579 | 580 | 581 | 583 | 584 |
| 26 | 585 | 587 | 588 | 590 | 591 | 592 | 594 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 597 | 602 | 604 | 607 | 608 | 610 |
| 27 | 612 | 614 | 616 | 618 | 619 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 621 | 622 | 619 | 616 | 614 |
| 28 | 612 | 609 | 607 | 605 | 602 | 600 | 598 | 595 | 593 | 591 | 588 | 585 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 |
| 29 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 | 583 |
| 30 | 583 | 584 | 584 | 583 | 583 | 583 | 583 | 583 | 584 | 584 | | | | | | | | | | | | | | |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL)

SHIP SURVEYOR

| P | 2/16 030 GMT I | DD | FF | U | V | 2/16 1158 GMT I | DD | FF | U | V | 2/16 2328 GMT I | DD | FF | U | V | 2/17 11 0 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 72 | 4.4 | -4.1 | -1.4 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 57 | 3.5 | -3.0 | -2.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 15 | 7.2 | -1.9 | -7.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 28 | 7.3 | -3.4 | -6.4 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 41 | 7.2 | -4.7 | -5.4 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 54 | 6.7 | -5.4 | -3.9 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 72 | 7.0 | -6.7 | -2.1 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 66 | 6.0 | -5.5 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 82 | 7.3 | -7.2 | -1.1 | 1490 |
| 875 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 70 | 6.6 | -6.2 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 91 | 9.1 | -9.1 | .2 | 1242 |
| 900 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 69 | 8.0 | -7.5 | -2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 82 | 10.4 | -10.3 | -1.5 | 999 |
| 925 | 2 | 82 | 8.9 | -8.8 | -1.3 | 2 | 68 | 9.0 | -8.4 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 79 | 9.2 | -9.0 | -1.8 | 762 |
| 950 | 2 | 75 | 8.4 | -8.0 | -2.2 | 2 | 73 | 8.1 | -7.8 | -2.4 | 2 | 69 | 2.9 | -2.7 | -1.1 | 2 | 74 | 8.6 | -8.2 | -2.3 | 529 |
| 975 | 2 | 71 | 7.4 | -7.0 | -2.4 | 2 | 76 | 9.2 | -9.0 | -2.3 | 2 | 61 | 9.5 | -8.3 | -4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |

| P | 2/17 2310 GMT I | DD | FF | U | V | 2/18 11 9 GMT I | DD | FF | U | V | 2/18 23 4 GMT I | DD | FF | U | V | 2/19 11 6 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 315 | 5.1 | 3.6 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 17 | 4.2 | -1.2 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 47 | 3.3 | -2.4 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 82 | 4.1 | -4.1 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 95 | 6.4 | -6.4 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 97 | 7.5 | -7.5 | .9 | 2 | 93 | 11.9 | -11.9 | .7 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 95 | 7.3 | -7.3 | .6 | 2 | 94 | 11.0 | -11.0 | .8 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 75 | 8.2 | -7.9 | -2.2 | 0 | 91 | 6.7 | -6.7 | .2 | 2 | 98 | 11.1 | -11.0 | 1.5 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 74 | 9.2 | -8.8 | -2.6 | 1 | 89 | 7.1 | -7.1 | -.1 | 2 | 97 | 9.3 | -9.2 | 1.1 | 1490 |
| 875 | 2 | 68 | 8.6 | -8.0 | -3.2 | 2 | 74 | 9.3 | -9.0 | -2.5 | 1 | 87 | 7.4 | -7.4 | -.4 | 2 | 93 | 8.8 | -8.8 | .5 | 1242 |
| 900 | 2 | 78 | 9.1 | -8.8 | -1.9 | 2 | 58 | 10.5 | -8.9 | -5.6 | 1 | 84 | 6.6 | -6.6 | -.7 | 2 | 101 | 10.5 | -10.3 | 2.0 | 999 |
| 925 | 2 | 84 | 8.8 | -8.7 | -1.0 | 2 | 56 | 11.6 | -9.6 | -6.6 | 2 | 81 | 6.2 | -6.1 | -.9 | 2 | 111 | 10.5 | -9.8 | 3.7 | 762 |
| 950 | 2 | 82 | 9.7 | -9.6 | -1.3 | 2 | 62 | 10.1 | -8.9 | -4.7 | 2 | 81 | 6.3 | -6.2 | -1.0 | 2 | 114 | 8.3 | -7.6 | 3.3 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| | 2/19 2310 GMT | | | | 2/20 11 3 GMT | | | | 2/20 2312 GMT | | | | 2/21 1111 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 61 | 12.7 | -11.1 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 2 | 75 | 7.7 | -7.4 | -2.0 | 2 | 65 | 13.6 | -12.4 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 2 | 76 | 8.2 | -8.0 | -2.0 | 2 | 66 | 8.4 | -7.7 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 2 | 83 | 9.8 | -9.7 | -1.2 | 2 | 73 | 8.5 | -8.1 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 2 | 75 | 10.3 | -10.0 | -2.8 | 2 | 74 | 8.7 | -8.3 | -2.4 | 2 | 35 | 11.3 | -6.5 | -9.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 2 | 74 | 9.5 | -9.1 | -2.6 | 2 | 79 | 8.9 | -8.7 | -1.8 | 1 | 44 | 10.7 | -7.5 | -7.7 | 2 | 94 | 6.2 | -6.2 | .4 | 999 |
| 925 | 2 | 83 | 8.7 | -8.6 | -1.1 | 2 | 91 | 9.3 | -9.3 | .2 | 1 | 57 | 9.8 | -8.3 | -5.3 | 2 | 92 | 7.0 | -7.0 | .3 | 762 |
| 950 | 2 | 75 | 9.6 | -9.3 | -2.5 | 2 | 93 | 8.8 | -8.8 | .5 | 2 | 72 | 9.9 | -9.4 | -3.0 | 2 | 90 | 8.3 | -8.3 | -.0 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 84 | 6.9 | -6.9 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |

| | 2/22 1217 GMT | | | | | 2/23 2320 GMT | | | | | 2/24 23 2 GMT | | | | | 2/26 453 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 2 | 89 | 11.7 | -11.7 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 2 | 91 | 10.6 | -10.6 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 2 | 98 | 11.0 | -10.9 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 113 | 13.1 | -12.1 | 5.1 | 1490 |
| 875 | 2 | 98 | 13.3 | -13.1 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 116 | 17.6 | -15.8 | 7.6 | 1242 |
| 900 | 2 | 98 | 14.4 | -14.2 | 1.9 | 2 | 92 | 13.4 | -13.4 | .5 | 2 | 101 | 13.5 | -13.2 | 2.5 | 2 | 111 | 14.8 | -13.8 | 5.4 | 999 |
| 925 | 2 | 103 | 12.1 | -11.8 | 2.7 | 2 | 97 | 13.5 | -13.4 | 1.7 | 2 | 106 | 13.9 | -13.3 | 3.9 | 2 | 107 | 12.7 | -12.1 | 3.8 | 762 |
| 950 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 102 | 12.0 | -11.8 | 2.4 | 2 | 115 | 11.5 | -10.4 | 4.8 | 2 | 111 | 11.2 | -10.4 | 4.0 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 112 | 9.8 | -9.0 | 3.7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| | 2/26 1648 GMT | | | | 2/27 0 4 GMT | | | | 2/27 1229 GMT | | | | 2/27 1855 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 108 | 14.7 | -14.0 | 4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 109 | 14.5 | -13.7 | 4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 76 | 10.7 | -10.4 | -2.6 | 1242 |
| 900 | 2 | 117 | 12.2 | -10.9 | 5.6 | 2 | 107 | 13.9 | -13.3 | 4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 71 | 9.2 | -8.7 | -3.0 | 999 |
| 925 | 2 | 114 | 12.1 | -11.0 | 4.9 | 2 | 99 | 11.5 | -11.3 | 1.8 | 2 | 127 | 11.8 | -9.5 | 7.1 | 2 | 70 | 8.6 | -8.1 | -3.0 | 762 |
| 950 | 2 | 116 | 11.2 | -10.1 | 4.9 | 2 | 87 | 9.0 | -9.0 | -.5 | 2 | 122 | 9.1 | -7.7 | 4.8 | 2 | 66 | 8.1 | -7.4 | -3.3 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 95 | 6.8 | -6.8 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |

| | 2/28 5 0 GMT | | | | 3/ 1 935 GMT | | | | 3/ 1 1150 GMT | | | | 3/ 1 17 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 70 | 9.9 | -9.3 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 78 | 12.0 | -11.8 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 82 | 12.0 | -11.9 | -1.6 | 2 | 91 | 10.7 | -10.7 | .3 | 2 | 100 | 10.8 | -10.6 | 2.0 | 999 |
| 925 | 2 | 84 | 9.8 | -9.7 | -1.0 | 2 | 90 | 11.0 | -11.0 | .0 | 2 | 103 | 12.4 | -12.1 | 2.8 | 2 | 102 | 10.7 | -10.5 | 2.2 | 762 |
| 950 | 2 | 88 | 10.0 | -10.0 | -.3 | 2 | 96 | 9.3 | -9.3 | 1.0 | 2 | 109 | 12.6 | -11.9 | 4.0 | 2 | 108 | 10.5 | -10.0 | 3.2 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| | 3/ 1 2337 GMT | | | | 3/ 2 411 GMT | | | | 3/ 3 1833 GMT | | | | 3/ 3 2048 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 300 | 8.0 | 7.0 | -3.9 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 286 | 9.8 | 9.4 | -2.8 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 296 | 6.3 | 5.6 | -2.7 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 291 | 10.2 | 9.6 | -3.6 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 295 | 5.6 | 5.1 | -2.3 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 255 | .5 | .5 | .1 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 263 | 2.7 | 2.7 | .4 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 264 | 1.2 | 1.2 | .1 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 44 | 2.3 | -1.6 | -1.6 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 74 | 1.8 | -1.7 | -.5 | 2 | 21 | 4.6 | -1.6 | -4.3 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 43 | 1.4 | -.9 | -1.0 | 2 | 12 | 3.9 | -.8 | -3.8 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 321 | 2.1 | 1.3 | -1.6 | 2 | 57 | 1.2 | -1.0 | -.6 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 84 | 13.0 | -12.9 | -1.4 | 2 | 278 | 1.7 | 1.7 | -.2 | 2 | 153 | 1.7 | -.8 | 1.5 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 84 | 12.2 | -12.1 | -1.2 | 2 | 189 | 2.1 | .3 | 2.1 | 2 | 188 | 2.2 | .3 | 2.2 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 87 | 10.4 | -10.4 | -.6 | 2 | 143 | 2.8 | -1.7 | 2.2 | 2 | 189 | 2.1 | .3 | 2.1 | 1745 |
| 850 | 2 | 93 | 11.7 | -11.7 | .5 | 2 | 93 | 10.6 | -10.5 | .6 | 2 | 91 | 4.1 | -4.1 | .0 | 2 | 135 | 2.1 | -1.5 | 1.5 | 1490 |
| 875 | 2 | 91 | 11.8 | -11.8 | .2 | 1 | 96 | 11.2 | -11.1 | 1.2 | 2 | 73 | 6.6 | -6.3 | -1.9 | 2 | 100 | 4.0 | -3.9 | .7 | 1242 |
| 900 | 2 | 81 | 11.8 | -11.7 | -1.8 | 0 | 97 | 10.4 | -10.4 | 1.3 | 2 | 76 | 6.5 | -6.3 | -1.5 | 2 | 91 | 5.6 | -5.6 | .0 | 999 |
| 925 | 2 | 81 | 11.5 | -11.3 | -1.8 | 2 | 97 | 9.2 | -9.1 | 1.2 | | | | | | 0 | 0 | 0.0 | 0.0 | 0.0 | 762 |
| 950 | 2 | 93 | 9.6 | -9.6 | .5 | 2 | 100 | 8.1 | -7.9 | 1.4 | 2 | 94 | 6.2 | -6.2 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |

| | 3/ 4 23 4 GMT | | | | | 3/12 23 0 GMT | | | | | 3/13 5 0 GMT | | | | | 3/13 1835 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 239 | 2.8 | 2.4 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 270 | 4.8 | 4.8 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 283 | 5.1 | 4.9 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 291 | 5.9 | 5.5 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 322 | 2.9 | 1.8 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 359 | 2.6 | .1 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 4 | 1.2 | -.1 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 155 | 2.0 | -.9 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 163 | 3.7 | -1.1 | 3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 1 | 62 | 7.1 | -6.3 | -3.3 | 2 | 147 | 4.6 | -2.5 | 3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 1 | 67 | 6.2 | -5.8 | -2.4 | 2 | 123 | 5.6 | -4.7 | 3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 2 | 75 | 5.5 | -5.4 | -1.4 | 2 | 110 | 5.8 | -5.4 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 2 | 84 | 4.9 | -4.9 | -.5 | 2 | 109 | 6.1 | -5.8 | 2.0 | 2 | 115 | 11.8 | -10.7 | 5.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 2 | 86 | 5.4 | -5.4 | -.3 | 2 | 103 | 7.2 | -7.0 | 1.6 | 2 | 103 | 11.5 | -11.2 | 2.6 | 2 | 103 | 17.2 | -16.8 | 3.8 | 999 |
| 925 | 2 | 88 | 6.7 | -6.7 | -.3 | 2 | 93 | 7.8 | -7.8 | .3 | 2 | 94 | 10.9 | -10.9 | .7 | 2 | 104 | 16.7 | -16.2 | 4.2 | 762 |
| 950 | 2 | 89 | 6.6 | -6.6 | -.1 | 2 | 86 | 7.6 | -7.6 | -.6 | 2 | 80 | 10.1 | -9.9 | -1.7 | 2 | 104 | 11.6 | -11.2 | 2.8 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| | 3/14 19 1 GMT | | | | 3/14 2029 GMT | | | | 3/14 23 4 GMT | | | | 3/15 542 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 354 | 6.4 | .6 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 5 | 6.4 | -.6 | -6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 2 | 14 | 9.3 | -2.2 | -9.0 | 2 | 16 | 10.2 | -2.8 | -9.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 2 | 26 | 8.6 | -3.8 | -7.7 | 2 | 44 | 9.7 | -6.7 | -7.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 2 | 45 | 6.9 | -4.9 | -4.9 | 2 | 52 | 9.2 | -7.3 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 2 | 52 | 6.6 | -5.2 | -4.0 | 2 | 40 | 8.1 | -5.1 | -6.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 2 | 60 | 5.9 | -5.1 | -2.9 | 2 | 56 | 7.6 | -6.3 | -4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 2 | 85 | 6.5 | -6.5 | -.5 | 2 | 82 | 7.5 | -7.4 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 2 | 101 | 8.9 | -8.8 | 1.7 | 2 | 106 | 8.4 | -8.0 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 2 | 108 | 10.9 | -10.3 | 3.3 | 2 | 114 | 12.1 | -11.1 | 4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 2 | 112 | 11.8 | -10.9 | 4.4 | 2 | 115 | 13.5 | -12.2 | 5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 2 | 109 | 11.6 | -11.0 | 3.8 | 2 | 115 | 12.2 | -11.0 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 116 | 8.3 | -7.4 | 3.7 | 2837 |
| 750 | 2 | 101 | 10.8 | -10.6 | 2.0 | 2 | 108 | 11.6 | -11.0 | 3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 112 | 9.2 | -8.5 | 3.5 | 2553 |
| 775 | 2 | 94 | 10.6 | -10.5 | .8 | 2 | 97 | 12.0 | -12.0 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 103 | 8.8 | -8.6 | 1.9 | 2276 |
| 800 | 2 | 92 | 11.0 | -11.0 | .5 | 2 | 94 | 11.9 | -11.8 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 79 | 10.0 | -9.8 | -1.9 | 2007 |
| 825 | 2 | 92 | 11.1 | -11.1 | .5 | 2 | 96 | 11.0 | -10.9 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 78 | 10.8 | -10.5 | -2.3 | 1745 |
| 850 | 2 | 93 | 10.8 | -10.8 | .6 | 2 | 98 | 11.0 | -10.8 | 1.6 | 2 | 97 | 12.2 | -12.1 | 1.6 | 2 | 90 | 10.0 | -10.0 | -.0 | 1490 |
| 875 | 2 | 96 | 10.4 | -10.3 | 1.1 | 2 | 100 | 11.7 | -11.5 | 1.9 | 2 | 101 | 10.5 | -10.3 | 2.1 | 2 | 100 | 9.4 | -9.3 | 1.6 | 1242 |
| 900 | 2 | 100 | 10.1 | -10.0 | 1.8 | 2 | 100 | 11.7 | -11.5 | 2.0 | 2 | 97 | 10.1 | -10.0 | 1.2 | 2 | 105 | 8.8 | -8.5 | 2.3 | 999 |
| 925 | 2 | 104 | 10.1 | -9.8 | 2.5 | 2 | 100 | 10.4 | -10.2 | 1.8 | 2 | 93 | 10.3 | -10.3 | .6 | 2 | 107 | 7.5 | -7.2 | 2.2 | 762 |
| 950 | 2 | 107 | 10.2 | -9.8 | 3.0 | 2 | 101 | 8.5 | -8.3 | 1.7 | 2 | 105 | 8.1 | -7.9 | 2.0 | 2 | 100 | 6.2 | -6.1 | 1.1 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |

| | 3/15 738 GMT | | | | | 3/15 1150 GMT | | | | | 3/15 1439 GMT | | | | | 3/15 1918 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 112 | 7.7 | -7.1 | 2.9 | 2 | 106 | 6.4 | -6.2 | 1.7 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 91 | 4.8 | -4.8 | .1 | 2 | 94 | 7.2 | -7.2 | .5 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 90 | 4.4 | -4.4 | -.0 | 2 | 87 | 7.3 | -7.3 | -.4 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 101 | 6.5 | -6.4 | 1.3 | 2 | 87 | 7.4 | -7.3 | -.4 | 1745 |
| 850 | 2 | 79 | 13.0 | -12.7 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 106 | 8.1 | -7.8 | 2.2 | 2 | 91 | 7.8 | -7.8 | .1 | 1490 |
| 875 | 2 | 85 | 8.5 | -8.4 | -.8 | 2 | 103 | 8.5 | -8.3 | 1.9 | 2 | 111 | 8.2 | -7.7 | 2.9 | 2 | 94 | 8.2 | -8.2 | .6 | 1242 |
| 900 | 2 | 89 | 8.7 | -8.7 | -.1 | 2 | 96 | 8.0 | -8.0 | .8 | 2 | 114 | 7.7 | -7.0 | 3.2 | 2 | 95 | 8.3 | -8.2 | .8 | 999 |
| 925 | 2 | 93 | 8.4 | -8.4 | .4 | 2 | 94 | 7.7 | -7.6 | .5 | 2 | 114 | 7.5 | -6.8 | 3.1 | 2 | 94 | 7.8 | -7.8 | .5 | 762 |
| 950 | 2 | 98 | 5.9 | -5.9 | .8 | 2 | 94 | 6.6 | -6.6 | .4 | 2 | 117 | 6.4 | -5.7 | 2.9 | 2 | 89 | 7.0 | -7.0 | -.1 | 529 |
| 975 | 2 | 99 | 4.0 | -3.9 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| | 3/15 23 0 GMT | | | | 3/16 237 GMT | | | | 3/16 1146 GMT | | | | 3/16 1835 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 450 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 2 83 | 8.4 | -8.3 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 2 83 | 8.9 | -8.8 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 2 77 | 8.9 | -8.7 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 83 | 9.1 | -9.0 | -1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 2 79 | 7.3 | -7.2 | -1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 2 81 | 10.0 | -9.9 | -1.6 | 0 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 2 97 | 6.9 | -6.8 | .8 | 0 0 | 0.0 | 0.0 | 0.0 | 2 80 | 8.4 | -8.2 | -1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 2 94 | 7.7 | -7.7 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 2 80 | 7.7 | -7.6 | -1.4 | 2 105 | 9.8 | -9.4 | 2.5 | 1242 |
| 900 | 2 91 | 7.0 | -7.0 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 2 76 | 7.8 | -7.6 | -1.9 | 2 101 | 9.1 | -8.9 | 1.7 | 999 |
| 925 | 2 98 | 6.5 | -6.4 | .9 | 2 91 | 6.0 | -6.0 | .1 | 2 67 | 7.7 | -7.1 | -3.0 | 2 95 | 9.8 | -9.8 | .9 | 762 |
| 950 | 2 109 | 5.4 | -5.1 | 1.8 | 2 90 | 5.1 | -5.1 | .0 | 2 59 | 7.0 | -6.0 | -3.6 | 2 92 | 10.3 | -10.3 | .3 | 529 |
| 975 | 0 0 | 0.0 | 0.0 | 0.0 | 2 88 | 3.8 | -3.8 | -.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |

| | 3/17 3 9 GMT | | | | 3/17 9 2 GMT | | | | 3/17 18 6 GMT | | | | 3/19 345 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 107 | 1.4 | -1.3 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 85 | 1.6 | -1.6 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 87 | 6.3 | -6.3 | -.3 | 0 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 103 | 8.2 | -8.0 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 112 | 8.6 | -8.0 | 3.2 | 0 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 103 | 6.7 | -6.5 | 1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 91 | 6.5 | -6.5 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 79 | 7.7 | -7.6 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 78 | 9.2 | -9.0 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 84 | 12.2 | -12.1 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 91 | 16.5 | -16.5 | .3 | 0 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 93 | 16.8 | -16.8 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 94 | 14.7 | -14.6 | .9 | 2 103 | 16.1 | -15.7 | 3.7 | 2007 |
| 825 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 1 93 | 13.9 | -13.9 | .8 | 2 97 | 14.2 | -14.1 | 1.7 | 1745 |
| 850 | 2 103 | 10.9 | -10.6 | 2.4 | 2 98 | 13.4 | -13.3 | 1.8 | 1 92 | 14.0 | -14.0 | .5 | 2 95 | 13.3 | -13.3 | 1.1 | 1490 |
| 875 | 2 98 | 11.5 | -11.4 | 1.7 | 2 100 | 15.6 | -15.4 | 2.8 | 2 90 | 13.8 | -13.8 | -.0 | 2 88 | 14.0 | -14.0 | -.5 | 1242 |
| 900 | 2 89 | 11.6 | -11.6 | -.2 | 2 98 | 14.8 | -14.7 | 2.1 | 2 87 | 13.3 | -13.3 | -.6 | 2 83 | 15.0 | -14.8 | -1.8 | 999 |
| 925 | 2 81 | 11.6 | -11.5 | -1.7 | 2 94 | 12.7 | -12.7 | .9 | 2 84 | 13.0 | -13.0 | -1.4 | 2 80 | 14.9 | -14.7 | -2.5 | 762 |
| 950 | 2 75 | 10.6 | -10.2 | -2.8 | 2 93 | 10.2 | -10.2 | .5 | 2 80 | 12.3 | -12.1 | -2.1 | 2 78 | 14.8 | -14.5 | -3.0 | 529 |
| 975 | 0 0 | 0.0 | 0.0 | 0.0 | 2 94 | 8.4 | -8.3 | .5 | 2 75 | 9.7 | -9.3 | -2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| | 3/19 1116 GMT | | | | | 3/19 1812 GMT | | | | | 3/20 025 GMT | | | | | 3/20 1558 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 2 | 96 | 13.0 | -13.0 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 100 | 9.6 | -9.4 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 2 | 91 | 12.9 | -12.9 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 88 | 9.5 | -9.5 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | 2 | 83 | 12.2 | -12.1 | -1.5 | 2 | 99 | 14.6 | -14.4 | 2.2 | 2 | 85 | 9.4 | -9.4 | -.8 | 2 | 46 | 8.5 | -6.1 | -5.9 | 762 |
| 950 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 93 | 13.6 | -13.6 | .7 | 2 | 80 | 9.5 | -9.3 | -1.7 | 2 | 55 | 12.0 | -9.8 | -6.9 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 55 | 12.8 | -10.5 | -7.3 | 302 |

| | 3/20 2120 GMT | | | | | 3/21 4 3 GMT | | | | | 3/21 616 GMT | | | | | 3/21 9 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 2 | 95 | 7.3 | -7.3 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 2 | 95 | 8.3 | -8.3 | .7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1745 |
| 850 | 2 | 95 | 7.3 | -7.3 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1490 |
| 875 | 2 | 72 | 5.9 | -5.6 | -1.8 | 2 | 78 | 8.0 | -7.8 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1242 |
| 900 | 2 | 61 | 8.4 | -7.4 | -4.1 | 2 | 65 | 8.9 | -8.0 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 999 |
| 925 | 2 | 61 | 10.4 | -9.1 | -5.1 | 2 | 58 | 9.1 | -7.7 | -4.8 | 2 | 68 | 8.8 | -8.2 | -3.3 | 2 | 73 | 8.6 | -8.2 | -2.6 | 762 |
| 950 | 2 | 58 | 10.4 | -8.8 | -5.5 | 2 | 54 | 7.0 | -5.7 | -4.1 | 2 | 58 | 10.0 | -8.5 | -5.3 | 2 | 56 | 8.9 | -7.3 | -5.0 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 57 | 8.8 | -7.5 | -4.8 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| | 3/21 1132 GMT | | | | | 3/21 1828 GMT | | | | | 3/22 358 GMT | | | | | 3/22 18 5 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 285 | 4.7 | 4.6 | -1.2 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 302 | 3.8 | 3.2 | -2.0 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 85 | 9.7 | -9.6 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 317 | 3.1 | 2.1 | -2.3 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 85 | 9.2 | -9.2 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 291 | .5 | .5 | -.2 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 88 | 9.4 | -9.4 | -.3 | 2 | 85 | 7.2 | -7.2 | -.6 | 2 | 154 | 4.5 | -2.0 | 4.0 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 86 | 9.5 | -9.4 | -.7 | 2 | 71 | 7.2 | -6.8 | -2.3 | 2 | 149 | 9.6 | -4.9 | 8.2 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 77 | 9.5 | -9.2 | -2.2 | 2 | 75 | 7.4 | -7.2 | -1.9 | 2 | 141 | 12.2 | -7.7 | 9.5 | 1490 |
| 875 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 75 | 9.5 | -9.2 | -2.4 | 2 | 84 | 8.2 | -8.2 | -.9 | 2 | 131 | 12.7 | -9.7 | 8.3 | 1242 |
| 900 | 2 | 72 | 11.8 | -11.2 | -3.6 | 2 | 78 | 9.2 | -9.0 | -1.9 | 2 | 85 | 9.3 | -9.2 | -.8 | 2 | 123 | 12.2 | -10.3 | 6.7 | 999 |
| 925 | 2 | 68 | 12.3 | -11.4 | -4.5 | 2 | 78 | 8.7 | -8.5 | -1.9 | 2 | 81 | 9.7 | -9.6 | -1.6 | 2 | 122 | 11.3 | -9.6 | 6.1 | 762 |
| 950 | 2 | 63 | 11.6 | -10.3 | -5.2 | 2 | 73 | 8.1 | -7.7 | -2.4 | 2 | 76 | 9.2 | -8.9 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |

| | 3/22 21 7 GMT | | | | | 3/23 258 GMT | | | | | 3/23 1123 GMT | | | | | 3/23 18 8 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 133 | 9.2 | -6.7 | 6.2 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 115 | 7.8 | -7.1 | 3.3 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 112 | 9.0 | -8.4 | 3.3 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 91 | 12.2 | -12.2 | .1 | 2276 |
| 800 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 92 | 11.8 | -11.8 | .3 | 2 | 94 | 12.2 | -12.1 | .9 | 2007 |
| 825 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 95 | 10.1 | -10.1 | .8 | 2 | 87 | 11.5 | -11.5 | -.6 | 1745 |
| 850 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 98 | 9.3 | -9.2 | 1.3 | 2 | 98 | 12.4 | -12.3 | 1.7 | 1490 |
| 875 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 117 | 8.5 | -7.5 | 3.8 | 2 | 96 | 8.8 | -8.7 | .9 | 2 | 98 | 11.1 | -11.0 | 1.6 | 1242 |
| 900 | 2 | 113 | 12.0 | -11.0 | 4.7 | 2 | 119 | 7.7 | -6.7 | 3.8 | 2 | 93 | 7.9 | -7.9 | .4 | 2 | 94 | 12.2 | -12.2 | .9 | 999 |
| 925 | 2 | 123 | 15.0 | -12.5 | 8.2 | 2 | 122 | 7.0 | -5.9 | 3.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 96 | 11.1 | -11.1 | 1.2 | 762 |
| 950 | 2 | 119 | 12.9 | -11.2 | 6.3 | 2 | 124 | 6.0 | -4.9 | 3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 98 | 8.5 | -8.4 | 1.2 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 96 | 6.8 | -6.8 | .7 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

UPPER LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| | 3/24 1823 GMT | | | | 3/24 2314 GMT | | | | 3/25 531 GMT | | | | 3/25 2310 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 161 | 7.8 | -2.5 | 7.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 155 | 8.0 | -3.3 | 7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 125 | 8.8 | -7.2 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 118 | 8.2 | -7.3 | 3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 80 | 8.0 | -7.9 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 92 | 7.2 | -7.2 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 148 | 9.0 | -4.8 | 7.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3130 |
| 725 | 2 | 103 | 7.5 | -7.3 | 1.7 | 2 | 128 | 8.4 | -6.6 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2837 |
| 750 | 2 | 94 | 7.5 | -7.5 | .6 | 2 | 103 | 8.3 | -8.1 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2553 |
| 775 | 2 | 92 | 7.8 | -7.8 | .2 | 2 | 112 | 7.9 | -7.3 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2276 |
| 800 | 2 | 97 | 8.7 | -8.6 | 1.1 | 2 | 117 | 8.6 | -7.7 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2007 |
| 825 | 2 | 103 | 9.4 | -9.2 | 2.2 | 2 | 113 | 9.8 | -9.0 | 3.9 | 2 | 115 | 9.2 | -8.4 | 3.9 | 2 | 86 | 12.3 | -12.3 | -.9 | 1745 |
| 850 | 2 | 107 | 9.2 | -8.8 | 2.7 | 2 | 102 | 10.8 | -10.5 | 2.3 | 2 | 115 | 7.4 | -6.7 | 3.1 | 2 | 88 | 12.1 | -12.1 | -.4 | 1490 |
| 875 | 2 | 108 | 8.2 | -7.8 | 2.6 | 2 | 99 | 11.0 | -10.9 | 1.7 | 2 | 105 | 8.0 | -7.7 | 2.1 | 2 | 87 | 10.5 | -10.5 | -.5 | 1242 |
| 900 | 2 | 107 | 7.9 | -7.6 | 2.3 | 2 | 103 | 10.5 | -10.2 | 2.4 | 2 | 95 | 8.7 | -8.7 | .8 | 2 | 85 | 8.3 | -8.3 | -.8 | 999 |
| 925 | 2 | 108 | 7.4 | -7.1 | 2.3 | 2 | 106 | 9.9 | -9.5 | 2.7 | 2 | 92 | 8.6 | -8.6 | .4 | 2 | 80 | 8.2 | -8.0 | -1.5 | 762 |
| 950 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 106 | 8.7 | -8.4 | 2.4 | 2 | 83 | 7.9 | -7.8 | -.9 | 2 | 74 | 8.2 | -7.9 | -2.2 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |

| | 3/26 2313 GMT | | | | | 3/27 11 4 GMT | | | | | 3/28 024 GMT | | | | | 3/30 23 4 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 450 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6662 |
| 475 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 6244 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5844 |
| 525 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5460 |
| 550 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 5091 |
| 575 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4736 |
| 600 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4393 |
| 625 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 4062 |
| 650 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3742 |
| 675 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 317 | 20.1 | 13.8 | -14.7 | 3431 |
| 700 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 103 | 6.8 | -6.6 | 1.5 | 2 | 327 | 17.8 | 9.7 | -14.9 | 3130 |
| 725 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 97 | 9.1 | -9.0 | 1.1 | 2 | 336 | 17.8 | 7.3 | -16.2 | 2837 |
| 750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 98 | 11.1 | -11.0 | 1.6 | 2 | 350 | 16.5 | 2.8 | -16.3 | 2553 |
| 775 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 98 | 11.8 | -11.7 | 1.6 | 2 | 8 | 15.7 | -2.1 | -15.5 | 2276 |
| 800 | 2 | 81 | 12.7 | -12.5 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 96 | 10.8 | -10.8 | 1.1 | 2 | 27 | 12.0 | -5.4 | -10.7 | 2007 |
| 825 | 1 | 80 | 12.6 | -12.4 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 94 | 9.5 | -9.5 | .6 | 2 | 47 | 10.3 | -7.6 | -7.0 | 1745 |
| 850 | 0 | 83 | 12.0 | -12.0 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 92 | 9.0 | -9.0 | .3 | 2 | 47 | 12.2 | -9.0 | -8.3 | 1490 |
| 875 | 1 | 86 | 10.8 | -10.8 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 96 | 9.1 | -9.1 | 1.0 | 2 | 47 | 13.1 | -9.6 | -8.9 | 1242 |
| 900 | 1 | 88 | 9.5 | -9.5 | -.4 | 2 | 86 | 10.7 | -10.6 | -.7 | 2 | 99 | 8.8 | -8.7 | 1.3 | 2 | 47 | 11.4 | -8.3 | -7.8 | 999 |
| 925 | 0 | 91 | 8.8 | -8.8 | .1 | 2 | 86 | 10.1 | -10.0 | -.7 | 2 | 92 | 8.1 | -8.1 | .3 | 2 | 38 | 11.1 | -6.9 | -8.7 | 762 |
| 950 | 1 | 94 | 8.4 | -8.4 | .6 | 2 | 85 | 9.1 | -9.1 | -.7 | 2 | 86 | 7.3 | -7.3 | -.5 | 2 | 40 | 12.3 | -7.9 | -9.5 | 529 |
| 975 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 302 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

# APPENDIX C: WIND DATA ABOVE 60 mb

Palmyra Island . . . . . .
Fanning Island . . . . . .
Christmas Island . . . . . .

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. PALMYRA ISLAND

| | 2/25 035 GMT | | | | 2/25 1258 GMT | | | | | 2/26 017 GMT | | | | | 2/27 12 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 2 | 97 | 31.8 | -31.6 | 3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 2 | 95 | 36.0 | -35.8 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 2 | 91 | 35.8 | -35.7 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 2 | 97 | 34.7 | -34.5 | 3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 2 | 96 | 24.2 | -24.1 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 2 | 102 | 25.4 | -24.8 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 2 | 91 | 17.7 | -17.7 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 2 | 100 | 18.8 | -18.5 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 2 | 89 | 15.7 | -15.7 | -.3 | 2 | 227 | 1.4 | 1.0 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 2 | 332 | 9.0 | 4.2 | -7.9 | 2 | 299 | 10.9 | 9.6 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 2 | 292 | 14.8 | 13.8 | -5.4 | 2 | 301 | 9.0 | 7.8 | -4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 2 | 237 | 8.5 | 7.2 | 4.6 | 2 | 306 | 9.7 | 7.8 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 2 | 261 | 13.9 | 13.8 | 2.1 | 2 | 266 | 15.3 | 15.3 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 284 | 11.7 | 11.4 | -2.9 | 23846 |
| 35 | 2 | 273 | 12.1 | 12.1 | -.6 | 2 | 267 | 19.8 | 19.8 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 264 | 9.9 | 9.9 | 1.1 | 22866 |
| 40 | 2 | 283 | 22.5 | 21.9 | -4.9 | 2 | 271 | 19.9 | 19.9 | -.2 | 1 | 287 | 10.4 | 9.9 | -2.9 | 2 | 265 | 8.9 | 8.8 | .8 | 22025 |
| 45 | 2 | 268 | 21.5 | 21.5 | .8 | 2 | 268 | 16.6 | 16.6 | .7 | 2 | 274 | 14.7 | 14.7 | -1.1 | 2 | 272 | 19.6 | 19.6 | -.7 | 21288 |
| 50 | 2 | 254 | 16.2 | 15.5 | 4.5 | 2 | 280 | 17.7 | 17.4 | -3.0 | 2 | 277 | 20.2 | 20.0 | -2.6 | 2 | 275 | 23.8 | 23.7 | -2.2 | 20634 |
| 55 | 2 | 261 | 7.8 | 7.8 | 1.2 | 2 | 285 | 17.1 | 16.5 | -4.5 | 2 | 259 | 14.7 | 14.4 | 2.7 | 2 | 264 | 17.1 | 17.0 | 1.8 | 20047 |
| 60 | 2 | 264 | 15.0 | 14.9 | 1.7 | 2 | 282 | 16.9 | 16.6 | -3.5 | 2 | 262 | 13.5 | 13.4 | 2.0 | 2 | 283 | 15.0 | 14.6 | -3.3 | 19517 |

| | 2/28 1147 GMT | | | | 2/28 1815 GMT | | | | | 3/ 1 148 GMT | | | | | 3/ 1 550 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 2 | 91 | 23.8 | -23.8 | .4 | 2 | 103 | 18.9 | -18.4 | 4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 2 | 116 | 20.0 | -17.9 | 8.8 | 2 | 74 | 6.8 | -6.5 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 2 | 79 | 10.0 | -9.8 | -2.0 | 2 | 48 | 3.6 | -2.7 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 2 | 55 | 2.8 | -2.3 | -1.6 | 2 | 1 | 3.5 | -.0 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 2 | 269 | 8.5 | 8.5 | .2 | 2 | 258 | 13.0 | 12.8 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 2 | 262 | 9.8 | 9.7 | 1.4 | 2 | 282 | 10.8 | 10.6 | -2.3 | 2 | 269 | 17.1 | 17.1 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 2 | 291 | 18.4 | 17.2 | -6.6 | 2 | 273 | 17.9 | 17.9 | -1.0 | 2 | 268 | 18.1 | 18.0 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 2 | 275 | 18.6 | 18.6 | -1.5 | 2 | 269 | 17.1 | 17.1 | .2 | 2 | 272 | 15.7 | 15.7 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 2 | 248 | 15.1 | 14.0 | 5.6 | 2 | 275 | 14.5 | 14.5 | -1.2 | 2 | 267 | 22.7 | 22.7 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 2 | 274 | 15.0 | 15.0 | -1.1 | 2 | 284 | 14.7 | 14.3 | -3.5 | 2 | 279 | 16.7 | 16.5 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | 2 | 281 | 14.3 | 14.0 | -2.8 | 2 | 275 | 14.1 | 14.1 | -1.3 | 2 | 285 | 19.3 | 18.7 | -5.0 | | 279 | 10.9 | 10.7 | -1.6 | 20047 |
| 60 | 2 | 267 | 17.3 | 17.3 | .8 | 2 | 257 | 14.2 | 13.8 | 3.1 | 2 | 282 | 24.5 | 24.0 | -5.1 | | 261 | 12.3 | 12.2 | 1.9 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

PALMYRA ISLAND

| P | 3/ 1 1248 GMT I | DD | FF | U | V | 3/ 1 2315 GMT I | DD | FF | U | V | 3/ 2 2315 GMT I | DD | FF | U | V | 3/ 3 1130 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 32.3 | -31.6 | 6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 94 | 23.9 | -23.9 | 1.5 | | 98 | 31.8 | -31.5 | 4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 27.8 | -27.8 | -.6 | | 99 | 31.0 | -30.7 | 4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 24.1 | -24.1 | 1.3 | | 98 | 29.4 | -29.1 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 22.4 | -21.1 | 7.5 | | 103 | 18.7 | -18.2 | 4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 74 | 27.3 | -26.2 | -7.5 | | 53 | 20.1 | -16.0 | -12.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 87 | 25.6 | -25.6 | -1.1 | | 85 | 13.8 | -13.8 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 88 | 14.2 | -14.1 | -.5 | | 80 | 6.3 | -6.2 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 159 | .8 | -.3 | .7 | | 125 | 11.8 | -9.8 | 6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 82 | 5.0 | -4.9 | -.7 | | 193 | 1.9 | .4 | 1.9 | | 273 | 9.9 | 9.9 | -.5 | 25017 |
| 30 | | 280 | 20.3 | 20.0 | -3.4 | | 275 | 5.6 | 5.6 | -.5 | | 283 | 10.9 | 10.6 | -2.4 | | 249 | 12.7 | 11.9 | 4.5 | 23846 |
| 35 | | 274 | 18.8 | 18.8 | -1.2 | | 272 | 15.0 | 15.0 | -.6 | | 264 | 20.9 | 20.8 | 2.3 | | 275 | 8.0 | 7.9 | -.6 | 22866 |
| 40 | | 280 | 21.8 | 21.5 | -3.8 | | 275 | 15.7 | 15.7 | -1.4 | | 302 | 12.5 | 10.6 | -6.6 | | 248 | 7.1 | 6.6 | 2.6 | 22025 |
| 45 | | 283 | 22.6 | 22.0 | -5.0 | | 266 | 15.0 | 15.0 | .9 | | 284 | 12.4 | 12.0 | -3.1 | | 286 | 12.0 | 11.5 | -3.3 | 21288 |
| 50 | | 273 | 25.3 | 25.3 | -1.3 | | 260 | 17.0 | 16.7 | 3.0 | | 277 | 15.7 | 15.6 | -1.9 | | 271 | 15.1 | 15.1 | -.3 | 20634 |
| 55 | | 268 | 15.6 | 15.6 | .7 | | 283 | 19.2 | 18.7 | -4.3 | | 267 | 20.2 | 20.2 | .9 | | 286 | 21.9 | 21.0 | -6.1 | 20047 |
| 60 | | 270 | 13.5 | 13.5 | -.0 | | 275 | 22.2 | 22.1 | -1.9 | | 257 | 21.5 | 21.0 | 4.8 | | 262 | 22.3 | 22.1 | 3.0 | 19517 |

| P | 3/ 4 1130 GMT I | DD | FF | U | V | 3/ 4 2335 GMT I | DD | FF | U | V | 3/ 5 1150 GMT I | DD | FF | U | V | 3/ 6 012 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 21.2 | -21.0 | 2.6 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 27.8 | -27.7 | 1.6 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 28.9 | -28.7 | 3.7 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 27.0 | -26.8 | 3.3 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 27.4 | -27.3 | -2.5 | | 91 | 27.0 | -27.0 | .4 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 98 | 21.8 | -21.6 | 2.9 | | 95 | 18.4 | -18.4 | 1.5 | 28821 |
| 16 | | 71 | 13.0 | -12.3 | -4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 12.7 | -12.7 | .5 | | 153 | 3.7 | -1.7 | 3.3 | 27934 |
| 18 | | 44 | 4.7 | -3.3 | -3.3 | | 101 | 10.7 | -10.4 | 2.1 | | 76 | 13.7 | -13.3 | -3.4 | | 111 | 10.0 | -9.3 | 3.6 | 27158 |
| 20 | | 253 | 1.1 | 1.0 | .3 | | 164 | 5.7 | -1.6 | 5.4 | | 167 | 1.4 | -.3 | 1.4 | | 40 | 7.0 | -4.5 | -5.3 | 26468 |
| 25 | | 275 | 12.1 | 12.1 | -1.1 | 3 | 314 | 5.0 | 3.6 | -3.5 | | 247 | 6.8 | 6.3 | 2.6 | | 258 | 11.1 | 10.8 | 2.3 | 25017 |
| 30 | | 254 | 16.0 | 15.4 | 4.4 | | 275 | 16.1 | 16.1 | -1.3 | | 275 | 13.5 | 13.5 | -1.1 | | 268 | 1.3 | 1.3 | .0 | 23846 |
| 35 | | 229 | 8.4 | 6.4 | 5.4 | | 251 | 15.6 | 14.8 | 5.1 | | 267 | 22.4 | 22.3 | 1.0 | | 292 | 14.3 | 13.2 | -5.4 | 22866 |
| 40 | | 272 | 12.8 | 12.8 | -.4 | | 247 | 12.1 | 11.2 | 4.7 | | 249 | 11.8 | 11.0 | 4.2 | | 279 | 15.9 | 15.7 | -2.6 | 22025 |
| 45 | | 262 | 14.9 | 14.8 | 2.0 | | 240 | 8.6 | 7.4 | 4.3 | | 277 | 10.6 | 10.5 | -1.4 | | 242 | 13.8 | 12.2 | 6.4 | 21288 |
| 50 | | 264 | 18.6 | 18.5 | 1.8 | | 278 | 11.2 | 11.1 | -1.5 | | 267 | 15.6 | 15.6 | .7 | | 273 | 13.3 | 13.2 | -.8 | 20634 |
| 55 | | 273 | 16.3 | 16.3 | -.8 | | 272 | 15.9 | 15.9 | -.4 | | 277 | 15.8 | 15.7 | -1.8 | | 289 | 20.6 | 19.5 | -6.6 | 20047 |
| 60 | | 269 | 21.9 | 21.9 | .3 | | 269 | 19.2 | 19.2 | .2 | | 278 | 16.8 | 16.6 | -2.4 | | 266 | 19.1 | 19.1 | 1.3 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. PALMYRA ISLAND

| P | 3/ 6 2340 GMT I | DD | FF | U | V | 3/ 9 1125 GMT I | DD | FF | U | V | 3/ 9 2350 GMT I | DD | FF | U | V | 3/10 1135 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 309 | 18.8 | 14.6 | -11.8 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 358 | 7.5 | .3 | -7.5 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 98 | 30.9 | -30.6 | 4.4 | 33523 |
| 8 | | 88 | 26.6 | -26.6 | -.8 | | 94 | 16.0 | -16.0 | 1.1 | | 89 | 28.5 | -28.5 | -.5 | | 94 | 37.0 | -36.9 | 2.3 | 32612 |
| 9 | | 101 | 24.6 | -24.2 | 4.7 | | 103 | 21.4 | -20.9 | 4.8 | | 96 | 24.2 | -24.1 | 2.5 | | 94 | 26.0 | -25.9 | 1.7 | 31805 |
| 10 | | 104 | 19.7 | -19.1 | 4.6 | | 110 | 25.9 | -24.3 | 9.0 | | 91 | 26.8 | -26.8 | .5 | | 90 | 16.2 | -16.2 | .0 | 31086 |
| 12 | | 98 | 20.2 | -20.1 | 2.6 | | 101 | 23.2 | -22.8 | 4.5 | | 97 | 22.9 | -22.7 | 2.7 | | 86 | 17.0 | -17.0 | -1.2 | 29854 |
| 14 | | 87 | 15.7 | -15.7 | -.7 | | 89 | 17.9 | -17.9 | -.3 | | 110 | 19.9 | -18.7 | 6.8 | | 94 | 10.3 | -10.3 | .8 | 28821 |
| 16 | | 93 | 11.3 | -11.3 | .5 | | 76 | 12.6 | -12.3 | -3.0 | 3 | 107 | 16.9 | -16.2 | 5.0 | | 142 | 4.3 | -2.6 | 3.4 | 27934 |
| 18 | | 19 | 1.9 | -.6 | -1.8 | | 64 | 14.8 | -13.2 | -6.6 | | 82 | 8.8 | -8.8 | -1.2 | | 140 | 13.2 | -8.4 | 10.1 | 27158 |
| 20 | | 105 | 9.1 | -8.7 | 2.4 | | 5 | 6.8 | -.6 | -6.8 | 2 | 62 | 15.3 | -13.5 | -7.2 | | 114 | 15.9 | -14.5 | 6.5 | 26468 |
| 25 | | 21 | 6.4 | -2.2 | -6.0 | | 252 | 14.9 | 14.2 | 4.6 | | 287 | 15.7 | 15.0 | -4.5 | | 273 | 10.1 | 10.1 | -.6 | 25017 |
| 30 | | 288 | 12.7 | 12.1 | -4.0 | | 252 | 14.2 | 13.6 | 4.3 | | 276 | 16.5 | 16.4 | -1.8 | | 291 | 12.4 | 11.6 | -4.4 | 23846 |
| 35 | | 263 | 6.9 | 6.9 | .8 | | 257 | 10.6 | 10.4 | 2.4 | | 247 | 15.8 | 14.5 | 6.1 | | 286 | 17.3 | 16.6 | -4.8 | 22866 |
| 40 | | 282 | 8.5 | 8.3 | -1.8 | | 256 | 5.6 | 5.4 | 1.4 | | 236 | 11.2 | 9.3 | 6.3 | | 268 | 13.4 | 13.3 | .5 | 22025 |
| 45 | | 268 | 13.6 | 13.6 | .4 | | 261 | 14.7 | 14.5 | 2.2 | | 285 | 16.8 | 16.2 | -4.4 | | 248 | 8.2 | 7.6 | 3.1 | 21288 |
| 50 | | 264 | 11.3 | 11.2 | 1.1 | | 276 | 12.5 | 12.5 | -1.2 | | 248 | 12.7 | 11.8 | 4.7 | | 267 | 18.0 | 17.9 | 1.0 | 20634 |
| 55 | | 286 | 13.3 | 12.8 | -3.7 | | 271 | 6.0 | 6.0 | -.1 | | 269 | 11.7 | 11.7 | .1 | | 274 | 8.3 | 8.3 | -.6 | 20047 |
| 60 | | 276 | 18.4 | 18.3 | -2.0 | | 276 | 10.8 | 10.8 | -1.2 | | 275 | 12.9 | 12.8 | -1.2 | | 263 | 12.8 | 12.7 | 1.5 | 19517 |

| P | 3/10 2335 GMT I | DD | FF | U | V | 3/11 2355 GMT I | DD | FF | U | V | 3/12 1155 GMT I | DD | FF | U | V | 3/12 2351 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 35.1 | -35.0 | -1.3 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 29.7 | -29.7 | .6 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 26.8 | -26.8 | 1.6 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 98 | 27.7 | -27.4 | 3.8 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 23.4 | -23.4 | -.2 | 31805 |
| 10 | | 93 | 25.8 | -25.8 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 18.4 | -18.1 | 3.8 | 31086 |
| 12 | | 91 | 22.7 | -22.7 | .6 | | 95 | 22.8 | -22.7 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 84 | 17.3 | -17.3 | -1.8 | 29854 |
| 14 | | 86 | 16.2 | -16.1 | -1.0 | | 87 | 17.1 | -17.1 | -1.0 | | 101 | 19.1 | -18.8 | 3.6 | | 108 | 14.6 | -13.9 | 4.5 | 28821 |
| 16 | | 201 | 2.9 | 1.0 | 2.7 | | 79 | 9.7 | -9.5 | -1.8 | | 58 | 6.2 | -5.3 | -3.3 | | 44 | 3.5 | -2.4 | -2.5 | 27934 |
| 18 | | 190 | 8.5 | 1.5 | 8.4 | | 313 | 2.4 | 1.8 | -1.6 | | 269 | 3.9 | 3.9 | .0 | | 270 | 11.1 | 11.1 | .1 | 27158 |
| 20 | | 122 | 7.7 | -6.5 | 4.1 | | 87 | 2.5 | -2.5 | -.1 | | 209 | 8.0 | 3.9 | 7.0 | | 239 | 10.6 | 9.1 | 5.5 | 26468 |
| 25 | | 285 | 13.9 | 13.5 | -3.5 | | 283 | 9.0 | 8.8 | -2.1 | | 69 | 4.2 | -3.9 | -1.5 | | 142 | 1.5 | -.9 | 1.2 | 25017 |
| 30 | | 288 | 12.9 | 12.3 | -4.1 | | 276 | 20.4 | 20.3 | -2.1 | | 292 | 12.3 | 11.4 | -4.6 | | 298 | 6.5 | 5.7 | -3.0 | 23846 |
| 35 | | 285 | 14.2 | 13.7 | -3.6 | | 267 | 11.4 | 11.4 | .6 | | 250 | 10.4 | 9.7 | 3.5 | | 261 | 12.3 | 12.1 | 1.9 | 22866 |
| 40 | | 282 | 19.7 | 19.3 | -4.0 | | 285 | 16.4 | 15.8 | -4.3 | | 270 | 8.8 | 8.8 | .1 | | 261 | 8.7 | 8.6 | 1.4 | 22025 |
| 45 | | 253 | 12.1 | 11.6 | 3.5 | | 275 | 19.5 | 19.5 | -1.6 | | 280 | 21.5 | 21.2 | -3.8 | | 276 | 16.4 | 16.3 | -1.8 | 21288 |
| 50 | | 239 | 8.2 | 7.0 | 4.3 | | 254 | 13.0 | 12.6 | 3.5 | | 275 | 21.8 | 21.7 | -1.9 | | 269 | 19.3 | 19.3 | .4 | 20634 |
| 55 | | 240 | 9.3 | 8.1 | 4.6 | | 250 | 10.9 | 10.2 | 3.8 | | 274 | 20.6 | 20.5 | -1.6 | | 273 | 18.3 | 18.3 | -1.1 | 20047 |
| 60 | | 274 | 9.7 | 9.7 | -.7 | | 253 | 11.2 | 10.8 | 3.2 | | 263 | 14.2 | 14.1 | 1.7 | | 270 | 15.0 | 15.0 | -.0 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. PALMYRA ISLAND

| P | 3/16 1130 GMT I | DD | FF | U | V | 3/17 1213 GMT I | DD | FF | U | V | 3/17 2317 GMT I | DD | FF | U | V | 3/18 1229 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 105 | 20.7 | -20.0 | 5.5 | | 86 | 25.8 | -25.7 | -1.8 | | 93 | 25.3 | -25.2 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | | 85 | 16.6 | -16.5 | -1.5 | | 83 | 27.5 | -27.3 | -3.2 | | 92 | 27.6 | -27.5 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | | 49 | 10.4 | -7.9 | -6.8 | | 102 | 18.2 | -17.7 | 3.9 | | 87 | 25.9 | -25.8 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | | 22 | 4.5 | -1.7 | -4.2 | | 120 | 12.5 | -10.8 | 6.3 | | 89 | 21.8 | -21.8 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | | 299 | 7.1 | 6.2 | -3.5 | | 85 | 11.1 | -11.1 | -.9 | | 75 | 13.1 | -12.6 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | | 254 | 7.4 | 7.1 | 2.0 | | 267 | 9.9 | 9.9 | .5 | | 104 | 9.6 | -9.3 | 2.3 | | 285 | 11.3 | 10.9 | -3.0 | 25017 |
| 30 | | 253 | 16.1 | 15.4 | 4.8 | | 224 | 3.8 | 2.6 | 2.7 | | 53 | 3.4 | -2.7 | -2.0 | | 345 | 3.0 | .8 | -2.9 | 23846 |
| 35 | | 261 | 6.7 | 6.6 | 1.1 | | 280 | 13.5 | 13.3 | -2.3 | | 290 | 11.0 | 10.3 | -3.7 | | 287 | 9.2 | 8.8 | -2.7 | 22866 |
| 40 | | 277 | 11.9 | 11.8 | -1.5 | | 259 | 8.1 | 7.9 | 1.5 | | 241 | 5.7 | 5.0 | 2.8 | | 270 | 13.8 | 13.8 | -.1 | 22025 |
| 45 | | 273 | 9.6 | 9.5 | -.5 | | 289 | 9.3 | 8.8 | -3.0 | | 4 | 1.8 | -.1 | -1.8 | | 261 | 15.7 | 15.6 | 2.3 | 21288 |
| 50 | | 255 | 11.8 | 11.4 | 3.0 | | 263 | 13.2 | 13.1 | 1.6 | | 265 | 10.7 | 10.6 | 1.0 | | 286 | 10.7 | 10.3 | -3.0 | 20634 |
| 55 | | 265 | 18.4 | 18.4 | 1.5 | | 273 | 13.3 | 13.3 | -.7 | | 248 | 11.9 | 11.0 | 4.5 | | 270 | 14.6 | 14.6 | -.0 | 20047 |
| 60 | | 266 | 18.0 | 18.0 | 1.1 | | 285 | 12.7 | 12.2 | -3.4 | | 269 | 13.4 | 13.4 | .3 | | 256 | 11.9 | 11.5 | 2.8 | 19517 |

| P | 3/18 2315 GMT I | DD | FF | U | V | 3/19 1145 GMT I | DD | FF | U | V | 3/19 2320 GMT I | DD | FF | U | V | 3/20 2325 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 101 | 15.9 | -15.6 | 3.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 22.2 | -22.2 | -.8 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 28.1 | -28.0 | -2.4 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 33.1 | -33.1 | 1.5 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 31.6 | -31.6 | -.2 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 95 | 30.7 | -30.6 | 2.7 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 31.2 | -31.2 | .4 | 31086 |
| 12 | | 93 | 19.4 | -19.3 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 18.2 | -18.2 | -.2 | 29854 |
| 14 | | 110 | 13.7 | -12.9 | 4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 105 | 20.0 | -19.4 | 5.1 | 28821 |
| 16 | | 76 | 4.1 | -4.0 | -1.0 | | 100 | 17.5 | -17.2 | 3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 133 | 6.1 | -4.5 | 4.2 | 27934 |
| 18 | | 57 | 1.7 | -1.4 | -.9 | | 100 | 4.6 | -4.6 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 221 | 5.7 | 3.8 | 4.3 | 27158 |
| 20 | | 325 | 5.5 | 3.2 | -4.5 | | 24 | 6.1 | -2.4 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 8.7 | 8.6 | 1.2 | 26468 |
| 25 | | 20 | 5.0 | -1.8 | -4.7 | | 234 | 10.8 | 8.7 | 6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 19.8 | 19.0 | -5.3 | 25017 |
| 30 | | 257 | 10.8 | 10.5 | 2.4 | | 61 | 8.1 | -7.0 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 241 | 14.7 | 12.8 | 7.2 | 23846 |
| 35 | | 244 | 3.2 | 2.9 | 1.4 | | 264 | 9.1 | 9.0 | 1.0 | | 344 | 5.5 | 1.5 | -5.3 | | 219 | 9.0 | 5.7 | 7.0 | 22866 |
| 40 | | 253 | 9.9 | 9.5 | 2.8 | | 285 | 9.8 | 9.5 | -2.5 | | 262 | 13.8 | 13.7 | 1.9 | | 291 | 8.9 | 8.4 | -3.1 | 22025 |
| 45 | | 287 | 12.4 | 11.9 | -3.6 | | 291 | 6.5 | 6.0 | -2.3 | | 271 | 10.7 | 10.7 | -.3 | | 289 | 18.1 | 17.1 | -6.0 | 21288 |
| 50 | | 270 | 19.2 | 19.2 | .0 | | 287 | 15.5 | 14.8 | -4.6 | | 292 | 14.9 | 13.8 | -5.7 | | 271 | 15.7 | 15.7 | -.2 | 20634 |
| 55 | | 295 | 13.7 | 12.3 | -5.8 | | 272 | 17.7 | 17.7 | -.6 | | 269 | 12.9 | 12.9 | .3 | | 270 | 13.8 | 13.8 | -.1 | 20047 |
| 60 | | 299 | 15.0 | 13.1 | -7.3 | | 275 | 12.9 | 12.9 | -1.2 | | 280 | 16.7 | 16.4 | -2.9 | | 278 | 13.4 | 13.2 | -2.0 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. PALMYRA ISLAND

| P | 3/21 1210 GMT I | DD | FF | U | V | 3/22 12 0 GMT I | DD | FF | U | V | 3/23 1115 GMT I | DD | FF | U | V | 3/23 2358 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | | 252 | 8.2 | 7.7 | 2.6 | | 104 | 17.8 | -17.3 | 4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | | 161 | 2.2 | -.7 | 2.1 | | 91 | 25.5 | -25.5 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | | 99 | 21.1 | -20.8 | 3.5 | | 92 | 19.1 | -19.1 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | | 98 | 26.6 | -26.4 | 3.5 | | 97 | 24.3 | -24.1 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | | 94 | 23.6 | -23.6 | 1.5 | | 93 | 44.3 | -44.3 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | | 84 | 32.4 | -32.2 | -3.5 | | 86 | 35.0 | -34.9 | -2.5 | | 86 | 38.9 | -38.8 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | | 87 | 16.8 | -16.8 | -.8 | | 93 | 39.1 | -39.0 | 1.9 | | 87 | 47.4 | -47.4 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 89 | 12.0 | -12.0 | -.2 | | 97 | 37.1 | -36.8 | 4.5 | | 85 | 38.4 | -38.3 | -3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 81 | 10.0 | -9.9 | -1.5 | | 102 | 33.6 | -32.8 | 7.0 | | 89 | 42.3 | -42.3 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | | 107 | 8.7 | -8.3 | 2.5 | | 89 | 23.5 | -23.5 | -.5 | | 93 | 42.9 | -42.8 | 2.5 | | 91 | 30.4 | -30.4 | .4 | 28821 |
| 16 | | 330 | 2.9 | 1.5 | -2.6 | | 100 | 22.7 | -22.4 | 3.8 | | 89 | 33.7 | -33.7 | -.4 | | 92 | 21.5 | -21.5 | .9 | 27934 |
| 18 | | 243 | 5.7 | 5.1 | 2.6 | | 310 | .7 | .5 | -.4 | | 81 | 6.9 | -6.8 | -1.1 | | 92 | 19.2 | -19.2 | .6 | 27158 |
| 20 | | 277 | 10.8 | 10.7 | -1.3 | | 15 | 1.8 | -.5 | -1.7 | | 247 | 9.6 | 8.9 | 3.7 | | 99 | 9.9 | -9.7 | 1.5 | 26468 |
| 25 | | 273 | 18.4 | 18.4 | -1.0 | | 281 | 36.1 | 35.4 | -6.8 | | 18 | 7.8 | -2.4 | -7.4 | | 255 | 8.0 | 7.8 | 2.1 | 25017 |
| 30 | | 240 | 13.8 | 12.0 | 6.9 | | 268 | 37.1 | 37.1 | 1.2 | | 297 | 23.6 | 21.0 | -10.9 | | 280 | 15.7 | 15.4 | -2.7 | 23846 |
| 35 | | 221 | 3.8 | 2.5 | 2.9 | | 251 | 20.5 | 19.4 | 6.5 | | 304 | 16.0 | 13.3 | -9.0 | | 307 | 8.4 | 6.7 | -5.0 | 22866 |
| 40 | | 288 | .7 | .7 | -.2 | | 235 | 10.3 | 8.4 | 6.0 | | 284 | 30.1 | 29.2 | -7.4 | | 322 | 14.9 | 9.2 | -11.8 | 22025 |
| 45 | | 281 | 17.2 | 16.9 | -3.2 | | 114 | 4.7 | -4.3 | 1.9 | | 255 | 21.4 | 20.6 | 5.6 | | 290 | 19.5 | 18.3 | -6.7 | 21288 |
| 50 | | 271 | 19.9 | 19.9 | -.2 | | 281 | 21.6 | 21.2 | -4.1 | | 196 | 9.0 | 2.5 | 8.6 | | 256 | 20.9 | 20.3 | 5.0 | 20634 |
| 55 | | 268 | 18.5 | 18.5 | .7 | | 276 | 32.4 | 32.3 | -3.1 | | 255 | 20.3 | 19.6 | 5.2 | | 238 | 14.9 | 12.6 | 7.8 | 20047 |
| 60 | | 278 | 15.4 | 15.2 | -2.1 | | 270 | 35.6 | 35.6 | -.2 | | 266 | 28.9 | 28.9 | 1.8 | | 228 | 14.6 | 10.8 | 9.8 | 19517 |

| P | 3/24 1155 GMT I | DD | FF | U | V | 3/25 1125 GMT I | DD | FF | U | V | 3/25 2337 GMT I | DD | FF | U | V | 3/26 1115 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | | 92 | 32.1 | -32.0 | 1.3 | | 107 | 34.2 | -32.8 | 9.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | | 92 | 37.7 | -37.7 | 1.6 | | 102 | 37.1 | -36.3 | 8.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 90 | 39.7 | -39.7 | .0 | | 96 | 38.2 | -37.9 | 4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 94 | 32.0 | -31.9 | 2.3 | | 85 | 37.0 | -36.9 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 27.9 | -27.9 | -.4 | 29854 |
| 14 | | 103 | 27.7 | -27.0 | 6.2 | | 79 | 28.1 | -27.6 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 106 | 25.2 | -24.2 | 6.9 | 28821 |
| 16 | | 98 | 24.5 | -24.3 | 3.3 | | 94 | 22.8 | -22.7 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 22.4 | -22.4 | 1.1 | 27934 |
| 18 | | 92 | 25.7 | -25.7 | .8 | | 98 | 17.7 | -17.6 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 74 | 17.8 | -17.2 | -4.9 | 27158 |
| 20 | | 114 | 14.7 | -13.4 | 6.1 | | 74 | 5.6 | -5.4 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 96 | 12.9 | -12.9 | 1.3 | 26468 |
| 25 | | 293 | 9.6 | 8.8 | -3.7 | | 280 | 11.3 | 11.2 | -1.9 | | 43 | 4.5 | -3.1 | -3.3 | | 260 | 1.4 | 1.3 | .2 | 25017 |
| 30 | | 273 | 12.9 | 12.9 | -.7 | | 169 | 11.3 | -2.1 | 11.1 | | 241 | 17.2 | 15.0 | 8.4 | | 282 | 10.6 | 10.3 | -2.2 | 23846 |
| 35 | | 258 | 23.1 | 22.6 | 4.9 | | 350 | 4.9 | .8 | -4.8 | | 297 | 5.4 | 4.8 | -2.5 | | 226 | 5.7 | 4.1 | 3.9 | 22866 |
| 40 | | 285 | 9.9 | 9.6 | -2.5 | | 302 | 14.0 | 11.9 | -7.4 | | 267 | 15.0 | 15.0 | .8 | | 236 | 13.8 | 11.4 | 7.7 | 22025 |
| 45 | | 308 | 17.7 | 13.9 | -10.9 | | 297 | 14.2 | 12.7 | -6.4 | | 248 | 4.1 | 3.8 | 1.6 | | 261 | 17.4 | 17.2 | 2.7 | 21288 |
| 50 | | 293 | 23.3 | 21.4 | -9.2 | | 292 | 18.8 | 17.4 | -7.2 | | 265 | 4.6 | 4.6 | .4 | | 267 | 8.4 | 8.4 | .4 | 20634 |
| 55 | | 292 | 17.3 | 16.0 | -6.6 | | 270 | 29.3 | 29.3 | .1 | | 269 | 18.8 | 18.8 | .4 | | 292 | 13.2 | 12.2 | -5.0 | 20047 |
| 60 | | 271 | 12.2 | 12.2 | -.2 | | 262 | 19.7 | 19.5 | 2.7 | | 278 | 19.6 | 19.4 | -2.6 | | 284 | 16.9 | 16.4 | -4.0 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

PALMYRA ISLAND

| P | 3/26 2350 GMT | | | | | 3/27 1150 GMT | | | | | 3/30 12 0 GMT | | | | | 4/ 1 2353 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 26.8 | -26.7 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 94 | 27.1 | -27.0 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 91 | 29.6 | -29.6 | .3 | | 90 | 27.9 | -27.9 | .1 | | 93 | 28.0 | -27.9 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | | 102 | 23.8 | -23.3 | 5.0 | | 89 | 32.0 | -32.0 | -.4 | | 96 | 23.3 | -23.1 | 2.4 | | 90 | 25.4 | -25.4 | -.1 | 28821 |
| 16 | | 94 | 16.9 | -16.9 | 1.1 | | 94 | 17.1 | -17.0 | 1.2 | | 92 | 19.7 | -19.6 | .8 | | 78 | 22.3 | -21.8 | -4.7 | 27934 |
| 18 | | 122 | 10.7 | -9.1 | 5.6 | | 90 | 15.2 | -15.2 | -.1 | | 84 | 17.7 | -17.6 | -1.7 | | 88 | 19.7 | -19.7 | -.7 | 27158 |
| 20 | | 101 | 8.1 | -7.9 | 1.6 | | 93 | 2.3 | -2.3 | .1 | | 178 | 1.5 | -.1 | 1.5 | | 62 | 9.0 | -8.0 | -4.2 | 26468 |
| 25 | | 247 | 2.6 | 2.4 | 1.0 | | 345 | 7.2 | 1.8 | -6.9 | | 247 | 9.1 | 8.3 | 3.6 | | 97 | 8.4 | -8.4 | 1.0 | 25017 |
| 30 | | 260 | 12.5 | 12.4 | 2.1 | | 281 | 16.8 | 16.5 | -3.3 | | 230 | 9.0 | 6.9 | 5.8 | | 302 | 19.4 | 16.4 | -10.4 | 23846 |
| 35 | | 250 | 12.1 | 11.4 | 4.1 | | 246 | 8.1 | 7.4 | 3.3 | | 223 | 5.5 | 3.7 | 4.1 | | 279 | 15.6 | 15.4 | -2.4 | 22866 |
| 40 | | 288 | 10.9 | 10.3 | -3.4 | | 243 | 4.5 | 4.0 | 2.0 | | 23 | 4.1 | -1.6 | -3.8 | | 262 | 15.3 | 15.2 | 2.2 | 22025 |
| 45 | | 270 | 14.9 | 14.9 | -.0 | | 275 | 8.4 | 8.4 | -.8 | | 291 | 15.9 | 14.8 | -5.7 | | 253 | 21.0 | 20.1 | 6.1 | 21288 |
| 50 | | 224 | 13.9 | 9.6 | 10.1 | | 287 | 18.0 | 17.2 | -5.4 | | 277 | 22.2 | 22.0 | -2.8 | | 254 | 10.0 | 9.6 | 2.8 | 20634 |
| 55 | | 237 | 13.1 | 11.0 | 7.2 | | 273 | 12.5 | 12.5 | -.6 | | 274 | 27.0 | 26.9 | -1.7 | | 278 | 26.3 | 26.1 | -3.5 | 20047 |
| 60 | | 260 | 15.0 | 14.7 | 2.7 | | 258 | 12.0 | 11.7 | 2.6 | | 272 | 13.0 | 13.0 | -.4 | | 277 | 27.3 | 27.1 | -3.2 | 19517 |

| P | 4/ 2 1123 GMT | | | | | 4/ 3 1150 GMT | | | | | 4/ 3 2353 GMT | | | | | 4/ 5 2332 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 101 | 35.2 | -34.5 | 6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 37.0 | -37.0 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 36.2 | -36.1 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 35.7 | -35.7 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 25.7 | -25.7 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 31.1 | -31.0 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | | 80 | 23.8 | -23.5 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 88 | 10.1 | -10.1 | -.4 | | 92 | 27.0 | -27.0 | 1.2 | 28821 |
| 16 | | 90 | 17.6 | -17.6 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 100 | 17.4 | -17.1 | 3.0 | | 92 | 19.0 | -18.9 | .8 | 27934 |
| 18 | | 40 | 15.0 | -9.5 | -11.5 | | 111 | 12.0 | -11.2 | 4.3 | | 80 | 19.8 | -19.5 | -3.4 | | 38 | 6.2 | -3.8 | -4.9 | 27158 |
| 20 | | 81 | 12.2 | -12.0 | -1.9 | | 101 | 6.6 | -6.5 | 1.3 | 2 | 95 | .9 | -.9 | .1 | | 73 | 4.1 | -3.9 | -1.2 | 26468 |
| 25 | | 182 | 2.3 | .1 | 2.3 | | 231 | 6.8 | 5.3 | 4.3 | | 126 | 6.6 | -5.4 | 3.9 | | 310 | 2.6 | 2.0 | -1.7 | 25017 |
| 30 | | 253 | 6.5 | 6.2 | 2.0 | | 307 | 9.8 | 7.8 | -5.9 | | 182 | 9.1 | .4 | 9.1 | | 323 | 6.1 | 3.7 | -4.8 | 23846 |
| 35 | | 315 | 14.2 | 10.1 | -10.0 | | 295 | 13.6 | 12.3 | -5.8 | | 298 | 15.1 | 13.4 | -7.0 | | 244 | 10.6 | 9.5 | 4.7 | 22866 |
| 40 | | 276 | 20.4 | 20.2 | -2.3 | | 321 | 15.3 | 9.7 | -11.9 | | 279 | 23.7 | 23.4 | -3.7 | | 238 | 10.1 | 8.6 | 5.4 | 22025 |
| 45 | | 279 | 17.4 | 17.2 | -2.6 | | 252 | 25.4 | 24.1 | 7.9 | | 273 | 18.2 | 18.2 | -.9 | | 246 | 15.8 | 14.4 | 6.4 | 21288 |
| 50 | | 268 | 17.3 | 17.3 | .5 | | 256 | 13.5 | 13.1 | 3.4 | | 267 | 19.9 | 19.9 | 1.2 | | 266 | 16.9 | 16.8 | 1.1 | 20634 |
| 55 | | 279 | 20.8 | 20.6 | -3.2 | | 258 | 21.1 | 20.7 | 4.2 | | 267 | 20.8 | 20.8 | 1.0 | | 272 | 17.6 | 17.6 | -.6 | 20047 |
| 60 | | 266 | 22.9 | 22.8 | 1.6 | | 266 | 18.2 | 18.2 | 1.2 | | 265 | 17.1 | 17.1 | 1.6 | | 277 | 16.5 | 16.3 | -2.1 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. PALMYRA ISLAND

| P | 4/ 6 1115 GMT I | DD | FF | U | V | 4/ 6 2349 GMT I | DD | FF | U | V | 4/ 7 1138 GMT I | DD | FF | U | V | 4/ 8 051 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 31.4 | -31.3 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 80 | 29.4 | -28.9 | -5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 77 | 28.5 | -27.7 | -6.6 | | 89 | 33.7 | -33.7 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 74 | 27.6 | -26.4 | -7.8 | | 90 | 31.6 | -31.5 | .2 | | 94 | 31.5 | -31.4 | 2.0 | 31805 |
| 10 | 2 | 110 | 15.1 | -14.2 | 5.1 | | 91 | 29.2 | -29.2 | .7 | | 89 | 33.8 | -33.8 | -.6 | | 86 | 33.0 | -32.9 | -2.2 | 31086 |
| 12 | 3 | 96 | 27.1 | -27.0 | 2.6 | | 99 | 26.0 | -25.7 | 4.1 | | 90 | 25.6 | -25.6 | -.1 | | 82 | 29.7 | -29.4 | -4.2 | 29854 |
| 14 | | 102 | 27.0 | -26.4 | 5.7 | | 109 | 27.0 | -25.5 | 8.9 | | 105 | 23.6 | -22.9 | 6.0 | | 82 | 22.7 | -22.5 | -3.2 | 28821 |
| 16 | | 104 | 20.7 | -20.1 | 5.0 | | 95 | 18.6 | -18.5 | 1.5 | | 81 | 16.3 | -16.1 | -2.5 | | 101 | 17.1 | -16.8 | 3.2 | 27934 |
| 18 | | 94 | 23.7 | -23.7 | 1.6 | | 115 | 14.3 | -13.0 | 6.0 | | 100 | 12.5 | -12.3 | 2.3 | | 88 | 13.9 | -13.9 | -.5 | 27158 |
| 20 | | 80 | 7.9 | -7.8 | -1.4 | | 125 | 7.3 | -5.9 | 4.2 | | 140 | 13.8 | -8.9 | 10.6 | | 258 | 2.8 | 2.8 | .6 | 26468 |
| 25 | | 54 | 6.6 | -5.3 | -3.8 | | 118 | 5.8 | -5.2 | 2.7 | | 214 | 6.2 | 3.4 | 5.2 | | 241 | 6.6 | 5.8 | 3.2 | 25017 |
| 30 | | 316 | 2.7 | 1.9 | -1.9 | | 278 | 3.7 | 3.7 | -.5 | | 95 | 5.1 | -5.1 | .4 | | 209 | 10.9 | 5.3 | 9.6 | 23846 |
| 35 | | 300 | 1.8 | 1.5 | -.9 | | 285 | 7.6 | 7.3 | -1.9 | | 312 | 5.5 | 4.1 | -3.7 | | 311 | 6.3 | 4.8 | -4.1 | 22866 |
| 40 | | 302 | 11.6 | 9.9 | -6.1 | | 263 | 6.1 | 6.0 | .8 | | 277 | 8.9 | 8.8 | -1.0 | | 308 | 8.9 | 7.0 | -5.5 | 22025 |
| 45 | | 280 | 16.1 | 15.8 | -2.7 | | 291 | 5.0 | 4.7 | -1.8 | | 252 | 12.4 | 11.7 | 3.9 | | 280 | 16.3 | 16.0 | -2.9 | 21288 |
| 50 | | 270 | 15.0 | 15.0 | -.0 | | 267 | 15.2 | 15.2 | .8 | | 277 | 8.2 | 8.1 | -1.0 | | 259 | 15.9 | 15.6 | 2.9 | 20634 |
| 55 | | 247 | 11.9 | 10.9 | 4.6 | | 254 | 16.4 | 15.8 | 4.4 | | 270 | 13.7 | 13.7 | -.1 | | 264 | 15.0 | 14.9 | 1.7 | 20047 |
| 60 | | 266 | 12.2 | 12.1 | .9 | | 262 | 21.7 | 21.5 | 2.9 | | 262 | 15.0 | 14.9 | 2.1 | | 245 | 15.5 | 14.1 | 6.6 | 19517 |

| P | 4/ 8 1138 GMT I | DD | FF | U | V | 4/ 8 2240 GMT I | DD | FF | U | V | 4/ 9 1115 GMT I | DD | FF | U | V | 4/ 9 2326 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | | 94 | 32.8 | -32.7 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | | 95 | 33.2 | -33.1 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | | 101 | 34.4 | -33.7 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | | 95 | 37.1 | -37.0 | 3.0 | | 83 | 24.3 | -24.1 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | | 103 | 33.6 | -32.8 | 7.4 | | 100 | 22.9 | -22.5 | 4.1 | | 87 | 20.8 | -20.7 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | | 95 | 33.6 | -33.5 | 2.7 | | 94 | 29.3 | -29.2 | 1.9 | | 86 | 30.4 | -30.3 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 96 | 30.5 | -30.4 | 3.2 | | 90 | 34.9 | -34.9 | .2 | | 85 | 27.0 | -26.9 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 82 | 30.1 | -29.8 | -4.3 | | 101 | 31.2 | -30.7 | 6.0 | | 84 | 26.1 | -25.9 | -2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | | 87 | 27.0 | -26.9 | -1.6 | | 88 | 21.2 | -21.2 | -.9 | | 84 | 34.1 | -33.9 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | | 85 | 17.9 | -17.8 | -1.6 | | 91 | 18.8 | -18.8 | .3 | | 111 | 17.6 | -16.4 | 6.3 | | 98 | 20.0 | -19.8 | 2.9 | 27934 |
| 18 | | 90 | 15.7 | -15.7 | .0 | | 93 | 12.8 | -12.8 | .6 | | 90 | 16.9 | -16.9 | -.1 | | 122 | 17.1 | -14.6 | 8.9 | 27158 |
| 20 | | 44 | 4.2 | -2.9 | -3.0 | | 49 | 7.5 | -5.7 | -4.9 | | 87 | 12.5 | -12.5 | -.8 | | 119 | 15.1 | -13.1 | 7.4 | 26468 |
| 25 | | 276 | 9.1 | 9.1 | -1.0 | | 331 | 1.9 | .9 | -1.7 | | 60 | 8.3 | -7.2 | -4.1 | | 52 | 8.6 | -6.7 | -5.3 | 25017 |
| 30 | | 249 | 13.8 | 12.9 | 4.9 | | 265 | 10.4 | 10.4 | .9 | | 23 | 9.6 | -3.8 | -8.8 | | 83 | 2.6 | -2.6 | -.3 | 23846 |
| 35 | | 284 | 5.2 | 5.1 | -1.3 | | 258 | 14.2 | 13.9 | 3.0 | | 241 | 11.5 | 10.1 | 5.5 | | 266 | 15.9 | 15.9 | 1.2 | 22866 |
| 40 | | 342 | 4.1 | 1.2 | -3.9 | | 298 | 6.8 | 6.1 | -3.2 | | 264 | 16.4 | 16.3 | 1.8 | | 265 | 20.7 | 20.6 | 1.7 | 22025 |
| 45 | | 292 | 12.0 | 11.1 | -4.5 | | 292 | 7.2 | 6.6 | -2.7 | | 245 | 17.9 | 16.2 | 7.6 | | 240 | 15.9 | 13.7 | 7.9 | 21288 |
| 50 | | 271 | 13.9 | 13.9 | -.3 | | 273 | 14.0 | 14.0 | -.7 | | 281 | 14.4 | 14.2 | -2.8 | | 262 | 16.1 | 15.9 | 2.3 | 20634 |
| 55 | | 281 | 15.8 | 15.5 | -3.0 | | 272 | 13.1 | 13.0 | -.5 | | 297 | 12.2 | 10.9 | -5.5 | | 309 | 11.0 | 8.6 | -6.9 | 20047 |
| 60 | | 263 | 17.6 | 17.5 | 2.1 | | 291 | 19.4 | 18.1 | -7.0 | | 290 | 17.4 | 16.4 | -5.8 | | 305 | 14.7 | 12.0 | -8.5 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

PALMYRA ISLAND

| P | 4/10 1123 GMT I | DD | FF | U | V | 4/11 1142 GMT I | DD | FF | U | V | 4/11 2321 GMT I | DD | FF | U | V | 4/12 1137 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 80 | 31.3 | -30.8 | -5.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 85 | 31.1 | -30.9 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 29.0 | -28.9 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 87 | 27.7 | -27.7 | -1.5 | | 90 | 34.4 | -34.4 | -.1 | | 101 | 38.4 | -37.7 | 7.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | | 103 | 26.9 | -26.2 | 6.2 | | 88 | 30.1 | -30.1 | -.8 | | 101 | 31.4 | -30.8 | 5.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | | 91 | 21.5 | -21.5 | .2 | | 99 | 30.8 | -30.5 | 4.7 | | 100 | 23.8 | -23.5 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | | 87 | 21.7 | -21.7 | -1.0 | | 81 | 25.3 | -25.0 | -3.9 | | 89 | 20.8 | -20.8 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | | 93 | 10.6 | -10.6 | .6 | | 83 | 15.2 | -15.1 | -1.9 | | 68 | 12.9 | -12.0 | -4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | | 112 | 16.3 | -15.1 | 6.2 | | 75 | 8.3 | -8.0 | -2.1 | | 157 | 5.4 | -2.1 | 4.9 | | 61 | 5.2 | -4.5 | -2.5 | 25017 |
| 30 | | 175 | 4.9 | -.4 | 4.9 | | 240 | 6.1 | 5.3 | 3.1 | | 247 | 8.9 | 8.2 | 3.4 | | 261 | 8.8 | 8.7 | 1.4 | 23846 |
| 35 | | 270 | 7.2 | 7.2 | .0 | | 244 | 12.4 | 11.1 | 5.3 | | 265 | 11.1 | 11.0 | 1.0 | | 272 | 2.8 | 2.8 | -.1 | 22866 |
| 40 | | 284 | 14.0 | 13.6 | -3.4 | | 278 | 10.8 | 10.7 | -1.6 | | 283 | 11.3 | 11.0 | -2.5 | | 260 | 8.4 | 8.3 | 1.5 | 22025 |
| 45 | | 306 | 15.0 | 12.2 | -8.8 | | 272 | 12.5 | 12.5 | -.5 | | 275 | 11.9 | 11.9 | -1.1 | | 269 | 9.5 | 9.5 | .2 | 21288 |
| 50 | | 284 | 19.6 | 19.1 | -4.7 | | 300 | 6.8 | 5.9 | -3.4 | | 253 | 18.9 | 18.0 | 5.6 | | 285 | 14.5 | 14.0 | -3.8 | 20634 |
| 55 | | 261 | 15.3 | 15.1 | 2.3 | | 268 | 18.0 | 18.0 | .5 | | 245 | 19.8 | 18.0 | 8.2 | | 281 | 19.8 | 19.4 | -3.9 | 20047 |
| 60 | | 281 | 11.6 | 11.4 | -2.2 | | 272 | 16.9 | 16.9 | -.6 | | 228 | 8.5 | 6.4 | 5.7 | | 264 | 14.9 | 14.8 | 1.7 | 19517 |

| P | 4/13 1150 GMT I | DD | FF | U | V | 4/14 1115 GMT I | DD | FF | U | V | 4/14 2344 GMT I | DD | FF | U | V | 4/15 1147 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 27.8 | -27.8 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 99 | 28.2 | -27.8 | 4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 28.5 | -28.5 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | | 96 | 21.4 | -21.3 | 2.1 | | 81 | 28.3 | -28.0 | -4.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 102 | 27.8 | -27.2 | 6.0 | | 92 | 28.2 | -28.2 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 91 | 23.7 | -23.7 | .3 | | 93 | 28.6 | -28.6 | 1.7 | | 91 | 26.1 | -26.1 | .5 | | 88 | 29.2 | -29.2 | -.8 | 29854 |
| 14 | | 77 | 21.2 | -20.6 | -4.9 | | 87 | 23.6 | -23.5 | -1.3 | | 86 | 26.6 | -26.5 | -2.1 | | 87 | 32.5 | -32.4 | -1.5 | 28821 |
| 16 | | 75 | 22.7 | -21.9 | -6.0 | | 100 | 26.8 | -26.4 | 4.7 | | 92 | 26.9 | -26.9 | .8 | | 107 | 29.9 | -28.7 | 8.5 | 27934 |
| 18 | | 55 | 11.2 | -9.2 | -6.5 | | 99 | 15.5 | -15.3 | 2.5 | | 105 | 26.7 | -25.9 | 6.7 | | 105 | 23.7 | -22.9 | 6.3 | 27158 |
| 20 | | 155 | 11.7 | -5.0 | 10.6 | | 87 | 11.5 | -11.5 | -.5 | | 110 | 21.5 | -20.3 | 7.3 | | 119 | 11.9 | -10.4 | 5.9 | 26468 |
| 25 | | 83 | 9.8 | -9.8 | -1.2 | | 292 | 7.3 | 6.8 | -2.7 | | 109 | 4.8 | -4.5 | 1.6 | | 291 | 10.2 | 9.5 | -3.6 | 25017 |
| 30 | | 8 | 7.4 | -1.1 | -7.3 | | 184 | .5 | .0 | .5 | | 255 | 5.3 | 5.1 | 1.4 | | 301 | 6.0 | 5.1 | -3.1 | 23846 |
| 35 | | 285 | 17.0 | 16.5 | -4.3 | | 214 | 4.1 | 2.3 | 3.4 | | 304 | 6.2 | 5.1 | -3.5 | | 281 | 7.4 | 7.3 | -1.4 | 22866 |
| 40 | | 275 | 14.9 | 14.9 | -1.3 | | 277 | 10.6 | 10.5 | -1.3 | | 255 | 8.9 | 8.5 | 2.3 | | 245 | 9.7 | 8.8 | 4.1 | 22025 |
| 45 | | 256 | 19.2 | 18.6 | 4.5 | | 269 | 17.7 | 17.7 | .3 | | 263 | 10.0 | 9.9 | 1.3 | | 277 | 13.7 | 13.6 | -1.7 | 21288 |
| 50 | | 249 | 16.3 | 15.3 | 5.7 | | 273 | 18.3 | 18.3 | -1.1 | | 265 | 17.1 | 17.1 | 1.5 | | 262 | 17.9 | 17.7 | 2.5 | 20634 |
| 55 | | 259 | 11.5 | 11.3 | 2.1 | | 268 | 23.5 | 23.5 | 1.0 | | 284 | 13.9 | 13.5 | -3.3 | | 276 | 16.6 | 16.5 | -1.9 | 20047 |
| 60 | | 260 | 13.3 | 13.1 | 2.3 | | 258 | 15.7 | 15.4 | 3.3 | | 284 | 16.6 | 16.1 | -3.9 | | 273 | 19.8 | 19.8 | -1.1 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

PALMYRA ISLAND

| | 4/15 2240 GMT | | | | | 4/16 1148 GMT | | | | | 4/18 1147 GMT | | | | | 4/18 2339 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 25.0 | -25.0 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 31.4 | -31.4 | .5 | | 94 | 25.6 | -25.6 | 1.9 | | 91 | 18.7 | -18.7 | .4 | 31805 |
| 10 | | 103 | 35.3 | -34.5 | 7.8 | | 100 | 33.9 | -33.4 | 5.7 | | 95 | 25.9 | -25.8 | 2.2 | | 95 | 27.2 | -27.1 | 2.4 | 31086 |
| 12 | | 93 | 31.2 | -31.2 | 1.6 | | 89 | 29.2 | -29.2 | -.3 | | 93 | 25.9 | -25.9 | 1.3 | | 93 | 22.8 | -22.8 | 1.1 | 29854 |
| 14 | | 86 | 23.5 | -23.5 | -1.4 | | 94 | 28.1 | -28.0 | 1.9 | | 96 | 24.0 | -23.9 | 2.6 | | 85 | 18.9 | -18.8 | -1.8 | 28821 |
| 16 | | 96 | 22.2 | -22.1 | 2.2 | | 80 | 29.4 | -28.9 | -5.3 | | 71 | 22.4 | -21.1 | -7.3 | | 100 | 17.1 | -16.9 | 3.1 | 27934 |
| 18 | | 87 | 20.5 | -20.5 | -1.0 | | 92 | 26.5 | -26.5 | 1.1 | | 84 | 16.9 | -16.8 | -1.9 | | 83 | 19.2 | -19.1 | -2.3 | 27158 |
| 20 | | 96 | 15.8 | -15.7 | 1.5 | | 95 | 24.8 | -24.7 | 2.2 | | 80 | 13.9 | -13.7 | -2.4 | | 77 | 7.0 | -6.8 | -1.6 | 26468 |
| 25 | | 298 | 7.8 | 6.9 | -3.6 | | 73 | 12.8 | -12.2 | -3.8 | | 235 | 4.3 | 3.5 | 2.5 | 0 | 247 | 4.3 | 3.9 | 1.7 | 25017 |
| 30 | | 253 | 8.4 | 8.0 | 2.4 | | 314 | 5.0 | 3.6 | -3.5 | | 261 | 6.8 | 6.7 | 1.1 | 0 | 260 | 9.0 | 8.9 | 1.6 | 23846 |
| 35 | | 299 | 8.0 | 7.0 | -3.8 | | 280 | 7.4 | 7.3 | -1.3 | | 270 | 6.8 | 6.8 | .0 | 0 | 262 | 11.8 | 11.7 | 1.6 | 22866 |
| 40 | | 293 | 10.4 | 9.6 | -4.0 | | 289 | 9.8 | 9.2 | -3.2 | | 285 | 4.5 | 4.4 | -1.2 | 0 | 263 | 8.8 | 8.7 | 1.1 | 22025 |
| 45 | | 256 | 11.1 | 10.8 | 2.7 | | 215 | 7.6 | 4.4 | 6.2 | | 289 | 17.2 | 16.2 | -5.7 | 0 | 263 | 8.2 | 8.1 | 1.0 | 21288 |
| 50 | | 264 | 20.9 | 20.7 | 2.3 | | 275 | 8.6 | 8.6 | -.7 | | 263 | 18.2 | 18.1 | 2.4 | 2 | 335 | 5.6 | 2.3 | -5.1 | 20634 |
| 55 | | 264 | 27.9 | 27.7 | 3.1 | | 268 | 21.9 | 21.9 | .6 | | 261 | 13.4 | 13.2 | 2.0 | 0 | 256 | 12.0 | 11.6 | 2.9 | 20047 |
| 60 | | 272 | 17.2 | 17.2 | -.5 | | 272 | 24.8 | 24.8 | -.9 | | 264 | 16.5 | 16.4 | 1.7 | 3 | 246 | 18.1 | 16.6 | 7.2 | 19517 |

| | 4/19 1210 GMT | | | | | 4/19 2328 GMT | | | | | 4/20 1143 GMT | | | | | 4/20 2324 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 28.0 | -28.0 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 31.2 | -31.2 | -.6 | | 94 | 32.4 | -32.3 | 2.4 | 32612 |
| 9 | | 98 | 14.7 | -14.5 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 26.8 | -26.8 | .8 | | 96 | 33.5 | -33.3 | 3.6 | 31805 |
| 10 | | 99 | 19.2 | -18.9 | 2.9 | | 97 | 26.2 | -26.0 | 3.2 | | 78 | 26.7 | -26.1 | -5.4 | | 99 | 29.0 | -28.6 | 4.7 | 31086 |
| 12 | | 98 | 25.8 | -25.6 | 3.5 | | 88 | 26.0 | -25.9 | -.8 | | 89 | 23.1 | -23.1 | -.3 | | 93 | 23.6 | -23.6 | 1.2 | 29854 |
| 14 | | 95 | 23.5 | -23.4 | 2.2 | | 87 | 16.9 | -16.9 | -.8 | | 88 | 23.5 | -23.5 | -.7 | | 88 | 22.4 | -22.4 | -.9 | 28821 |
| 16 | | 98 | 23.8 | -23.6 | 3.4 | | 108 | 14.8 | -14.0 | 4.5 | | 97 | 19.7 | -19.5 | 2.5 | | 72 | 18.3 | -17.5 | -5.5 | 27934 |
| 18 | | 93 | 18.4 | -18.4 | 1.0 | | 100 | 16.8 | -16.5 | 2.9 | | 123 | 16.2 | -13.7 | 8.8 | | 81 | 12.2 | -12.0 | -2.0 | 27158 |
| 20 | | 79 | 18.0 | -17.7 | -3.4 | | 87 | 10.6 | -10.6 | -.6 | | 126 | 14.1 | -11.4 | 8.3 | | 120 | 10.7 | -9.3 | 5.4 | 26468 |
| 25 | | 271 | 9.0 | 9.0 | -.2 | | 264 | 9.2 | 9.2 | .9 | | 336 | 2.5 | 1.0 | -2.3 | | 275 | 5.2 | 5.2 | -.5 | 25017 |
| 30 | | 200 | 4.0 | 1.4 | 3.8 | | 236 | 8.7 | 7.2 | 4.8 | | 290 | 4.8 | 4.5 | -1.6 | | 225 | 5.6 | 3.9 | 3.9 | 23846 |
| 35 | | 242 | 7.3 | 6.4 | 3.4 | | 250 | 6.9 | 6.5 | 2.4 | | 299 | 6.0 | 5.3 | -2.9 | | 298 | 3.8 | 3.4 | -1.8 | 22866 |
| 40 | | 305 | 12.4 | 10.1 | -7.1 | | 272 | 7.1 | 7.1 | -.2 | | 235 | 11.2 | 9.3 | 6.4 | | 246 | 11.3 | 10.3 | 4.6 | 22025 |
| 45 | | 289 | 15.6 | 14.8 | -5.0 | | 289 | 9.8 | 9.3 | -3.2 | | 250 | 6.7 | 6.2 | 2.3 | | 268 | 12.0 | 12.0 | .4 | 21288 |
| 50 | | 269 | 14.8 | 14.8 | .3 | | 297 | 12.2 | 10.9 | -5.6 | | 299 | 11.7 | 10.2 | -5.6 | | 256 | 11.8 | 11.4 | 2.9 | 20634 |
| 55 | | 252 | 14.5 | 13.8 | 4.5 | | 245 | 16.2 | 14.7 | 6.8 | | 267 | 14.4 | 14.4 | .8 | | 277 | 20.3 | 20.1 | -2.4 | 20047 |
| 60 | | 247 | 9.7 | 8.9 | 3.7 | | 249 | 15.6 | 14.5 | 5.6 | | 265 | 16.6 | 16.6 | 1.4 | | 266 | 17.8 | 17.7 | 1.4 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. PALMYRA ISLAND

| P | 4/21 1142 GMT I | DD | FF | U | V | 4/21 2231 GMT I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | | 98 | 41.4 | -41.0 | 5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | | 90 | 30.5 | -30.5 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | | 90 | 33.1 | -33.1 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | | 93 | 32.8 | -32.7 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 92 | 31.4 | -31.4 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 99 | 21.8 | -21.5 | 3.3 | | 65 | 12.4 | -11.2 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | | 95 | 23.7 | -23.7 | 2.0 | | 187 | 5.2 | .7 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | | 83 | 20.4 | -20.2 | -2.6 | | 134 | 8.7 | -6.2 | 6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | | 98 | 4.5 | -4.4 | .6 | | 252 | 2.5 | 2.4 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | | 123 | 8.2 | -6.9 | 4.4 | | 263 | 8.6 | 8.5 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | | 14 | 10.6 | -2.5 | -10.3 | | 277 | 8.9 | 8.8 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | | 276 | 14.8 | 14.8 | -1.4 | | 285 | 9.7 | 9.3 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | | 232 | 8.5 | 6.7 | 5.2 | | 273 | 19.3 | 19.2 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | | 259 | 7.4 | 7.2 | 1.4 | | 263 | 21.3 | 21.1 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | | 266 | 8.9 | 8.9 | .6 | | 273 | 19.4 | 19.4 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | | 263 | 8.2 | 8.2 | 1.0 | | 278 | 18.8 | 18.6 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | | 270 | 16.7 | 16.7 | .1 | | 274 | 18.8 | 18.8 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20047 |
| 60 | | 279 | 21.3 | 21.0 | -3.2 | | 275 | 21.5 | 21.4 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. FANNING ISLAND

| P | 3/ 3 1235 GMT | | | | | 3/ 3 18 0 GMT | | | | | 3/ 4 1 0 GMT | | | | | 3/ 4 1145 GMT | | | | | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 16.0 | 15.9 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | | 294 | 20.7 | 18.8 | -8.5 | | 281 | 15.1 | 14.8 | -2.8 | | 271 | 21.9 | 21.9 | -.4 | | 274 | 17.7 | 17.6 | -1.4 | 20047 |
| 60 | | 266 | 21.3 | 21.3 | 1.4 | | 274 | 14.9 | 14.8 | -1.1 | | 276 | 16.2 | 16.1 | -1.6 | | 258 | 15.6 | 15.2 | 3.2 | 19517 |

| P | 3/ 4 2345 GMT | | | | | 3/ 5 1215 GMT | | | | | 3/ 5 2345 GMT | | | | | 3/ 6 1135 GMT | | | | | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | | 96 | 32.6 | -32.4 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | | 85 | 29.1 | -29.0 | -2.5 | | 84 | 34.3 | -34.1 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 85 | 30.3 | -30.2 | -2.5 | | 85 | 33.1 | -33.0 | -2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 87 | 30.3 | -30.3 | -1.6 | | 83 | 28.8 | -28.5 | -3.6 | | 96 | 28.9 | -28.8 | 3.2 | | 93 | 22.5 | -22.5 | 1.1 | 29854 |
| 14 | | 102 | 17.7 | -17.3 | 3.8 | | 86 | 26.6 | -26.6 | -1.9 | | 91 | 19.5 | -19.5 | .3 | | 99 | 20.9 | -20.6 | 3.2 | 28821 |
| 16 | | 99 | 12.8 | -12.7 | 2.0 | | 91 | 17.9 | -17.9 | .3 | | 102 | 13.9 | -13.7 | 2.8 | | 94 | 20.4 | -20.4 | 1.4 | 27934 |
| 18 | | 109 | 3.8 | -3.6 | 1.3 | | 110 | 9.7 | -9.1 | 3.3 | | 227 | 3.4 | 2.5 | 2.3 | | 77 | 7.1 | -6.9 | -1.6 | 27158 |
| 20 | | 262 | 8.9 | 8.9 | 1.2 | | 114 | 5.8 | -5.3 | 2.4 | | 97 | 8.4 | -8.3 | 1.1 | | 93 | 5.7 | -5.7 | .3 | 26468 |
| 25 | | 272 | 12.6 | 12.6 | -.4 | 3 | 288 | 14.3 | 13.6 | -4.5 | | 265 | 10.8 | 10.8 | 1.0 | | 269 | 3.7 | 3.7 | .1 | 25017 |
| 30 | | 273 | 18.1 | 18.1 | -1.0 | | 268 | 11.5 | 11.5 | .4 | | 295 | 9.3 | 8.4 | -3.9 | | 258 | 11.1 | 10.9 | 2.3 | 23846 |
| 35 | | 263 | 16.7 | 16.6 | 2.0 | | 260 | 18.9 | 18.6 | 3.3 | | 290 | 12.1 | 11.3 | -4.2 | | 310 | 10.5 | 8.0 | -6.8 | 22866 |
| 40 | | 252 | 14.1 | 13.3 | 4.5 | | 252 | 14.1 | 13.4 | 4.3 | | 267 | 15.7 | 15.7 | .8 | | 294 | 15.4 | 14.0 | -6.4 | 22025 |
| 45 | 2 | 265 | 10.2 | 10.1 | .8 | | 272 | 11.4 | 11.4 | -.5 | | 264 | 15.2 | 15.1 | 1.6 | | 281 | 13.2 | 13.0 | -2.4 | 21288 |
| 50 | | 260 | 14.7 | 14.5 | 2.6 | | 287 | 10.6 | 10.1 | -3.1 | | 268 | 17.8 | 17.7 | .5 | | 282 | 13.3 | 13.0 | -2.9 | 20634 |
| 55 | | 259 | 16.3 | 16.0 | 3.0 | | 265 | 12.9 | 12.9 | 1.1 | | 270 | 18.2 | 18.2 | .1 | | 278 | 17.8 | 17.6 | -2.6 | 20047 |
| 60 | | 273 | 17.7 | 17.7 | -1.0 | | 271 | 15.2 | 15.2 | -.2 | | 267 | 16.4 | 16.4 | .8 | | 253 | 17.7 | 16.9 | 5.2 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. FANNING ISLAND

| P | 3/ 7 019 GMT I | DD | FF | U | V | 3/ 8 0 5 GMT I | DD | FF | U | V | 3/ 8 2249 GMT I | DD | FF | U | V | 3/10 12 0 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 75 | 15.5 | -15.0 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 98 | 17.8 | -17.6 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 36 | 4.2 | -2.5 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 7.3 | 7.1 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 260 | 6.8 | 6.7 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 230 | 11.2 | 8.6 | 7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 7.8 | 7.8 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 257 | 11.8 | 11.5 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 5.8 | 5.1 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 298 | 9.3 | 8.2 | -4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | | 279 | 12.1 | 12.0 | -1.8 | | 277 | 7.4 | 7.4 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | | 280 | 16.8 | 16.6 | -2.8 | | 279 | 10.3 | 10.1 | -1.6 | | 224 | 12.8 | 8.8 | 9.2 | | 252 | 14.7 | 14.0 | 4.5 | 20047 |
| 60 | | 277 | 19.6 | 19.5 | -2.4 | | 283 | 15.6 | 15.2 | -3.6 | | 276 | 9.3 | 9.2 | -1.0 | | 251 | 14.6 | 13.8 | 4.7 | 19517 |

| P | 3/10 2045 GMT I | DD | FF | U | V | 3/10 2345 GMT I | DD | FF | U | V | 3/11 9 0 GMT I | DD | FF | U | V | 3/11 1137 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 82 | 4.8 | -4.7 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 105 | 16.4 | -15.8 | 4.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 10.6 | 10.3 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 17.3 | 16.7 | -4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 254 | 12.3 | 11.8 | 3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 9.5 | 9.4 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 11.7 | 11.3 | -3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 287 | 18.1 | 17.3 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 278 | 16.1 | 15.9 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 243 | 14.2 | 12.7 | 6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 17.8 | 17.2 | 4.3 | 21288 |
| 50 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 11.0 | 10.7 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 273 | 14.5 | 14.5 | -.8 | 20634 |
| 55 | | 281 | 8.5 | 8.4 | -1.7 | | 268 | 9.6 | 9.6 | .3 | | 286 | 26.3 | 25.3 | -7.3 | | 276 | 13.7 | 13.6 | -1.4 | 20047 |
| 60 | | 211 | 3.2 | 1.7 | 2.8 | | 263 | 10.8 | 10.7 | 1.3 | | 285 | 20.9 | 20.2 | -5.6 | | 281 | 13.0 | 12.8 | -2.4 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. FANNING ISLAND

| | 3/11 2353 GMT | | | | 3/12 1150 GMT | | | | 3/12 2345 GMT | | | | 3/13 1242 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 78 | 22.6 | -22.1 | -4.8 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 92 | 24.0 | -24.0 | .7 | 102 | 22.0 | -21.5 | 4.4 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 96 | 21.0 | -20.9 | 2.2 | 84 | 17.3 | -17.2 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 0 | 0.0 | 0.0 | 0.0 | 0 86 | 16.3 | -16.3 | -1.2 | 133 | 15.0 | -10.9 | 10.2 | 103 | 8.4 | -8.2 | 1.9 | 27934 |
| 18 | 0 0 | 0.0 | 0.0 | 0.0 | 2 59 | 7.0 | -6.0 | -3.6 | 105 | 7.6 | -7.3 | 2.0 | 38 | 10.4 | -6.3 | -8.2 | 27158 |
| 20 | 0 0 | 0.0 | 0.0 | 0.0 | 182 | 4.4 | .2 | 4.4 | 44 | 8.9 | -6.2 | -6.5 | 331 | 8.7 | 4.3 | -7.6 | 26468 |
| 25 | 0 0 | 0.0 | 0.0 | 0.0 | 1 222 | 6.5 | 4.4 | 4.8 | 239 | 4.3 | 3.7 | 2.2 | 255 | 7.5 | 7.3 | 1.9 | 25017 |
| 30 | 0 0 | 0.0 | 0.0 | 0.0 | 0 282 | 12.6 | 12.3 | -2.6 | 256 | 9.6 | 9.3 | 2.4 | 254 | 10.5 | 10.1 | 3.0 | 23846 |
| 35 | 278 | 12.4 | 12.2 | -1.8 | 255 | 10.6 | 10.2 | 2.7 | 249 | 13.1 | 12.3 | 4.6 | 263 | 10.8 | 10.7 | 1.3 | 22866 |
| 40 | 279 | 14.5 | 14.4 | -2.3 | 291 | 11.8 | 11.0 | -4.3 | 268 | 9.8 | 9.8 | .3 | 239 | 8.3 | 7.1 | 4.2 | 22025 |
| 45 | 270 | 11.0 | 11.0 | .1 | 282 | 18.3 | 17.9 | -3.8 | 288 | 17.5 | 16.7 | -5.3 | 276 | 15.3 | 15.3 | -1.6 | 21288 |
| 50 | 268 | 26.2 | 26.2 | 1.1 | 271 | 20.9 | 20.9 | -.3 | 270 | 17.0 | 17.0 | -.0 | 273 | 18.4 | 18.4 | -.9 | 20634 |
| 55 | 259 | 15.4 | 15.1 | 2.9 | 277 | 19.4 | 19.3 | -2.5 | 263 | 21.0 | 20.8 | 2.7 | 274 | 20.7 | 20.7 | -1.5 | 20047 |
| 60 | 278 | 7.0 | 6.9 | -1.0 | 281 | 14.5 | 14.2 | -2.8 | 255 | 10.8 | 10.4 | 2.8 | 276 | 16.1 | 16.1 | -1.6 | 19517 |

| | 3/15 1121 GMT | | | | 3/16 0 0 GMT | | | | 3/16 1240 GMT | | | | 3/16 2345 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 99 | 17.6 | -17.4 | 2.7 | 101 | 24.3 | -23.9 | 4.5 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 103 | 6.2 | -6.1 | 1.4 | 90 | 22.1 | -22.1 | .0 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 0 | 0.0 | 0.0 | 0.0 | 271 | 11.7 | 11.7 | -.2 | 118 | 17.1 | -15.2 | 7.9 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 0 | 0.0 | 0.0 | 0.0 | 266 | 10.1 | 10.0 | .8 | 66 | 13.0 | -11.9 | -5.4 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 0 | 0.0 | 0.0 | 0.0 | 270 | 9.2 | 9.2 | -.0 | 316 | 1.7 | 1.2 | -1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 0 | 0.0 | 0.0 | 0.0 | 279 | 10.4 | 10.3 | -1.6 | 251 | 10.1 | 9.6 | 3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 0 | 0.0 | 0.0 | 0.0 | 248 | 10.1 | 9.3 | 3.9 | 266 | 15.5 | 15.5 | 1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 0 0 | 0.0 | 0.0 | 0.0 | 287 | 9.5 | 9.1 | -2.7 | 274 | 11.6 | 11.5 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 289 | 6.7 | 6.3 | -2.2 | 263 | 7.6 | 7.6 | 1.0 | 267 | 12.0 | 12.0 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 262 | 6.4 | 6.4 | .9 | 284 | 11.7 | 11.3 | -2.8 | 284 | 7.9 | 7.6 | -1.9 | 242 | 8.9 | 7.8 | 4.2 | 21288 |
| 50 | 275 | 8.4 | 8.3 | -.8 | 277 | 12.3 | 12.2 | -1.6 | 257 | 14.6 | 14.2 | 3.2 | 247 | 11.2 | 10.3 | 4.3 | 20634 |
| 55 | 261 | 14.1 | 13.9 | 2.2 | 273 | 18.3 | 18.3 | -1.0 | 268 | 19.5 | 19.5 | .7 | 248 | 11.1 | 10.3 | 4.1 | 20047 |
| 60 | 264 | 20.4 | 20.3 | 2.2 | 249 | 16.3 | 15.2 | 5.8 | 267 | 20.4 | 20.3 | 1.1 | 261 | 14.0 | 13.8 | 2.1 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

FANNING ISLAND

| | 3/17 1119 GMT | | | | 3/17 2345 GMT | | | | 3/18 13 8 GMT | | | | 3/18 2340 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 96 | 22.7 | -22.6 | 2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 88 | 14.5 | -14.5 | -.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 127 | 7.5 | -6.0 | 4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 60 | 10.1 | -8.8 | -5.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 306 | 5.5 | 4.4 | -3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 239 | 12.5 | 10.7 | 6.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 286 | 5.6 | 5.4 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 258 | 8.4 | 8.3 | 1.7 | 2 261 | 15.2 | 15.1 | 2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 278 | 12.4 | 12.3 | -1.7 | 2 285 | 16.6 | 16.0 | -4.4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 268 | 12.8 | 12.8 | .4 | 2 264 | 15.0 | 14.9 | 1.5 | 2 280 | 19.6 | 19.3 | -3.5 | 0 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 268 | 9.5 | 9.5 | .3 | 2 259 | 8.7 | 8.5 | 1.7 | 2 281 | 16.7 | 16.4 | -3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | 274 | 12.1 | 12.1 | -.8 | 2 263 | 9.0 | 9.0 | 1.0 | 2 274 | 13.3 | 13.3 | -.8 | 2 292 | 14.1 | 13.1 | -5.2 | 20047 |
| 60 | 273 | 12.7 | 12.7 | -.7 | 2 281 | 12.2 | 12.0 | -2.4 | 2 267 | 8.2 | 8.2 | .4 | 2 272 | 13.2 | 13.2 | -.5 | 19517 |

| | 3/19 1115 GMT | | | | 3/20 0 7 GMT | | | | 3/20 1138 GMT | | | | 3/20 2330 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 91 | 28.8 | -28.8 | .6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 104 | 18.0 | -17.5 | 4.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 48 | 7.8 | -5.8 | -5.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 289 | 12.4 | 11.7 | -4.1 | 260 | 10.3 | 10.2 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 249 | 16.5 | 15.4 | 6.0 | 274 | 10.7 | 10.7 | -.8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 353 | 6.0 | .7 | -6.0 | 257 | 17.4 | 17.0 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 264 | 7.9 | 7.9 | .8 | 285 | 14.3 | 13.8 | -3.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 283 | 9.5 | 9.2 | -2.2 | 268 | 9.2 | 9.2 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 267 | 16.9 | 16.8 | 1.0 | 262 | 10.1 | 10.0 | 1.4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 278 | 17.7 | 17.5 | -2.5 | 271 | 9.9 | 9.9 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 261 | 16.6 | 16.3 | 2.7 | 296 | 12.5 | 11.2 | -5.5 | 0 0 | 0.0 | 0.0 | 0.0 | 271 | 16.0 | 16.0 | -.2 | 20634 |
| 55 | 292 | 9.5 | 8.8 | -3.5 | 301 | 12.3 | 10.5 | -6.3 | 280 | 24.9 | 24.5 | -4.1 | 272 | 14.3 | 14.3 | -.4 | 20047 |
| 60 | 322 | 10.9 | 6.8 | -8.6 | 298 | 12.2 | 10.8 | -5.8 | 291 | 16.6 | 15.5 | -6.0 | 285 | 12.9 | 12.5 | -3.3 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. FANNING ISLAND

| | 3/21 12 1 GMT | | | | 3/22 1145 GMT | | | | 3/23 0 0 GMT | | | | 3/23 12 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 89 | 18.1 | -18.1 | -.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 90 | 13.4 | -13.4 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 88 | 8.0 | -8.0 | -.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 298 | 13.1 | 11.5 | -6.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 269 | 15.8 | 15.8 | .4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 251 | 15.9 | 15.1 | 5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 247 | 13.4 | 12.3 | 5.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 292 | 14.1 | 13.0 | -5.3 | 0 0 | 0.0 | 0.0 | 0.0 | 244 | 21.0 | 18.8 | 9.4 | 0 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 269 | 17.8 | 17.8 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 274 | 13.2 | 13.2 | -1.0 | 264 | 15.2 | 15.1 | 1.7 | 20634 |
| 55 | 265 | 20.3 | 20.3 | 1.8 | 256 | 14.7 | 14.3 | 3.6 | 268 | 13.0 | 13.0 | .6 | 264 | 14.5 | 14.4 | 1.6 | 20047 |
| 60 | 272 | 16.0 | 16.0 | -.5 | 260 | 15.1 | 14.9 | 2.7 | 273 | 14.5 | 14.4 | -.9 | 264 | 13.7 | 13.6 | 1.5 | 19517 |

| | 3/24 1215 GMT | | | | 3/25 1 0 GMT | | | | 3/27 153 GMT | | | | 3/27 1155 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 99 | 24.6 | -24.3 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 89 | 26.9 | -26.9 | -.7 | 29854 |
| 14 | 101 | 21.2 | -20.8 | 4.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 88 | 26.1 | -26.1 | -.8 | 28821 |
| 16 | 107 | 20.4 | -19.4 | 6.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 95 | 26.2 | -26.1 | 2.3 | 27934 |
| 18 | 88 | 12.2 | -12.2 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 95 | 12.5 | -12.5 | 1.0 | 27158 |
| 20 | 110 | 8.1 | -7.6 | 2.8 | 190 | 1.1 | .2 | 1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 91 | 6.9 | -6.9 | .2 | 26468 |
| 25 | 259 | 11.4 | 11.2 | 2.1 | 227 | 16.9 | 12.4 | 11.5 | 0 0 | 0.0 | 0.0 | 0.0 | 40 | 4.2 | -2.7 | -3.3 | 25017 |
| 30 | 298 | 16.8 | 14.9 | -7.8 | 298 | 16.4 | 14.4 | -7.8 | 0 0 | 0.0 | 0.0 | 0.0 | 315 | 13.7 | 9.7 | -9.7 | 23846 |
| 35 | 268 | 21.7 | 21.7 | .8 | 290 | 12.3 | 11.5 | -4.2 | 0 0 | 0.0 | 0.0 | 0.0 | 241 | 10.9 | 9.6 | 5.3 | 22866 |
| 40 | 297 | 12.1 | 10.7 | -5.6 | 287 | 15.1 | 14.4 | -4.5 | 0 0 | 0.0 | 0.0 | 0.0 | 254 | 13.0 | 12.5 | 3.7 | 22025 |
| 45 | 302 | 13.3 | 11.2 | -7.0 | 294 | 16.1 | 14.8 | -6.4 | 0 0 | 0.0 | 0.0 | 0.0 | 280 | 21.0 | 20.7 | -3.5 | 21288 |
| 50 | 302 | 13.7 | 11.6 | -7.2 | 289 | 21.6 | 20.4 | -6.9 | 1 267 | 10.5 | 10.5 | .5 | 273 | 17.5 | 17.5 | -.9 | 20634 |
| 55 | 286 | 12.0 | 11.5 | -3.3 | 264 | 11.4 | 11.4 | 1.2 | 3 260 | 13.9 | 13.7 | 2.3 | 256 | 7.6 | 7.4 | 1.9 | 20047 |
| 60 | 265 | 12.1 | 12.1 | 1.1 | 251 | 12.5 | 11.8 | 4.1 | 260 | 15.2 | 14.9 | 2.6 | 291 | 5.8 | 5.4 | -2.1 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

FANNING ISLAND

| | 3/27 2348 GMT | | | | | 3/28 1145 GMT | | | | | 3/28 2350 GMT | | | | | 3/29 1210 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 94 | 26.2 | -26.2 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 1 | 86 | 17.8 | -17.8 | -1.4 | | 86 | 24.1 | -24.0 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 1 | 96 | 20.9 | -20.8 | 2.1 | | 109 | 19.8 | -18.7 | 6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 2 | 84 | 13.4 | -13.3 | -1.4 | | 80 | 12.9 | -12.7 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 3 | 120 | 10.7 | -9.2 | 5.4 | | 193 | 5.7 | 1.3 | 5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 2 | 317 | 11.1 | 7.6 | -8.1 | | 170 | 5.9 | -1.0 | 5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 1 | 110 | 7.8 | -7.4 | 2.7 | | 206 | 1.4 | .6 | 1.3 | | 260 | 12.9 | 12.7 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 3 | 302 | 14.6 | 12.4 | -7.7 | | 346 | 13.9 | 3.3 | -13.5 | | 46 | 1.3 | -1.0 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 3 | 271 | 18.9 | 18.9 | -.4 | | 287 | 15.4 | 14.7 | -4.4 | | 253 | 9.7 | 9.3 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 2 | 249 | 8.7 | 8.1 | 3.2 | | 284 | 18.2 | 17.6 | -4.5 | | 289 | 10.7 | 10.2 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | | 270 | 14.5 | 14.4 | -.1 | | 273 | 20.9 | 20.9 | -1.2 | | 288 | 20.4 | 19.5 | -6.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 3 | 287 | 14.6 | 13.9 | -4.3 | | 290 | 19.2 | 18.0 | -6.7 | | 278 | 14.9 | 14.8 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | | 278 | 11.4 | 11.3 | -1.5 | | 272 | 9.7 | 9.6 | -.3 | | 304 | 19.3 | 16.0 | -10.9 | | 282 | 11.8 | 11.5 | -2.4 | 20047 |
| 60 | | 277 | 8.3 | 8.3 | -1.0 | | 249 | 3.9 | 3.7 | 1.4 | | 289 | 13.2 | 12.5 | -4.4 | | 301 | 13.3 | 11.4 | -6.8 | 19517 |

| | 3/29 2356 GMT | | | | | 3/30 1212 GMT | | | | | 3/30 1745 GMT | | | | | 3/31 0 4 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 19.5 | -19.5 | 1.0 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 101 | 28.9 | -28.4 | 5.3 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 100 | 24.8 | -24.4 | 4.5 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 87 | 17.3 | -17.3 | -.8 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 18 | 1.8 | -.5 | -1.7 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 270 | 15.8 | 15.8 | .1 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 232 | 19.7 | 15.4 | 12.2 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 200 | 4.7 | 1.6 | 4.4 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 3.8 | 3.7 | .5 | 22025 |
| 45 | | 291 | 19.5 | 18.2 | -6.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 10.9 | 10.6 | -2.5 | 21288 |
| 50 | | 283 | 20.7 | 20.1 | -4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 275 | 18.3 | 18.3 | -1.6 | 20634 |
| 55 | | 286 | 12.4 | 11.9 | -3.5 | | 276 | 22.2 | 22.1 | -2.2 | | 282 | 20.2 | 19.8 | -4.2 | | 266 | 23.9 | 23.9 | 1.6 | 20047 |
| 60 | | 280 | 9.3 | 9.2 | -1.6 | | 289 | 11.5 | 10.9 | -3.8 | | 269 | 11.9 | 11.9 | .3 | | 265 | 15.8 | 15.7 | 1.3 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. FANNING ISLAND

| P | I | 4/ 1 1835 GMT DD | FF | U | V | I | 4/ 1 2320 GMT DD | FF | U | V | I | 4/ 2 1126 GMT DD | FF | U | V | I | 4/ 2 1730 GMT DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 32.3 | -32.3 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 29.3 | -29.3 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 31.2 | -31.1 | 1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 30.2 | -30.1 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 95 | 29.5 | -29.4 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 25.2 | -25.1 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 80 | 19.1 | -18.8 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 16.1 | -16.1 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 268 | 2.3 | 2.3 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 204 | 7.2 | 2.9 | 6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 15 | 3.7 | -.9 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 17.3 | 17.2 | 1.8 | | 297 | 14.2 | 12.6 | -6.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 17.1 | 17.1 | .9 | | 279 | 12.3 | 12.1 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | | 239 | 13.4 | 11.5 | 6.9 | | 258 | 13.9 | 13.6 | 2.8 | | 269 | 18.5 | 18.5 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | | 254 | 17.2 | 16.5 | 4.8 | | 263 | 14.7 | 14.6 | 1.8 | | 273 | 16.9 | 16.9 | -1.0 | | 279 | 16.3 | 16.1 | -2.5 | 20047 |
| 60 | | 263 | 18.9 | 18.7 | 2.2 | | 255 | 19.5 | 18.8 | 5.1 | | 286 | 18.1 | 17.4 | -5.0 | | 282 | 17.9 | 17.4 | -3.9 | 19517 |

| P | I | 4/ 2 2320 GMT DD | FF | U | V | I | 4/ 3 1214 GMT DD | FF | U | V | I | 4/ 3 2350 GMT DD | FF | U | V | I | 4/ 4 1140 GMT DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 3 | 104 | 29.0 | -28.1 | 7.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 22.0 | -21.5 | 4.4 | 29854 |
| 14 | 3 | 91 | 29.2 | -29.2 | .7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 23.4 | -23.4 | -.7 | 28821 |
| 16 | 3 | 87 | 14.7 | -14.7 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 107 | 15.6 | -14.9 | 4.6 | 27934 |
| 18 | | 78 | 1.4 | -1.4 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 64 | 4.4 | -3.9 | -1.9 | 27158 |
| 20 | | 258 | 4.5 | 4.4 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 307 | 17.1 | 13.6 | -10.3 | 26468 |
| 25 | 3 | 262 | 7.2 | 7.1 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 16.0 | 15.3 | 4.8 | 25017 |
| 30 | | 298 | 17.5 | 15.4 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 244 | 10.5 | 9.4 | 4.6 | 23846 |
| 35 | | 289 | 16.1 | 15.3 | -5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 10.3 | 10.0 | -2.3 | 22866 |
| 40 | | 254 | 23.1 | 22.2 | 6.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 17.2 | 16.6 | -4.5 | 22025 |
| 45 | | 258 | 12.3 | 12.0 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 272 | 16.9 | 16.9 | -.6 | 21288 |
| 50 | | 266 | 17.8 | 17.8 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 21.4 | 21.3 | .9 | 20634 |
| 55 | | 302 | 12.4 | 10.5 | -6.5 | | 261 | 13.2 | 13.0 | 2.1 | | 257 | 17.8 | 17.4 | 4.0 | | 269 | 21.2 | 21.2 | .5 | 20047 |
| 60 | | 281 | 20.9 | 20.6 | -3.8 | | 279 | 18.5 | 18.3 | -2.9 | | 263 | 23.0 | 22.8 | 2.8 | | 272 | 20.7 | 20.6 | -.6 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

FANNING ISLAND

| | 4/ 4 1745 GMT | | | | 4/ 4 2330 GMT | | | | 4/ 5 1115 GMT | | | | 4/ 5 18 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 96 | 23.7 | -23.6 | 2.4 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 91 | 20.9 | -20.9 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 86 | 15.1 | -15.0 | -1.1 | 92 | 17.1 | -17.0 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 87 | 14.8 | -14.7 | -.8 | 165 | 7.9 | -2.0 | 7.6 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 0 | 0.0 | 0.0 | 0.0 | 103 | 20.8 | -20.3 | 4.5 | 145 | 7.4 | -4.3 | 6.1 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 0 | 0.0 | 0.0 | 0.0 | 104 | 17.4 | -16.9 | 4.3 | 92 | 7.4 | -7.3 | .3 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 0 | 0.0 | 0.0 | 0.0 | 120 | 11.4 | -9.8 | 5.8 | 287 | 7.2 | 6.9 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 0 | 0.0 | 0.0 | 0.0 | 294 | 13.5 | 12.4 | -5.4 | 265 | 16.7 | 16.6 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 0 | 0.0 | 0.0 | 0.0 | 229 | 13.8 | 10.3 | 9.1 | 243 | 14.8 | 13.2 | 6.6 | 0 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 0 0 | 0.0 | 0.0 | 0.0 | 236 | 7.9 | 6.6 | 4.4 | 256 | 12.0 | 11.6 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 0 0 | 0.0 | 0.0 | 0.0 | 297 | 11.4 | 10.1 | -5.2 | 280 | 12.8 | 12.6 | -2.3 | 0 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 0 0 | 0.0 | 0.0 | 0.0 | 280 | 17.7 | 17.5 | -3.0 | 286 | 16.8 | 16.2 | -4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 0 0 | 0.0 | 0.0 | 0.0 | 266 | 17.3 | 17.2 | 1.2 | 268 | 18.1 | 18.0 | .6 | 266 | 13.2 | 13.2 | .8 | 20634 |
| 55 | 273 | 19.2 | 19.2 | -.8 | 268 | 21.1 | 21.1 | .9 | 263 | 21.6 | 21.5 | 2.5 | 268 | 12.1 | 12.1 | .5 | 20047 |
| 60 | 265 | 19.8 | 19.7 | 1.9 | 267 | 20.4 | 20.3 | 1.2 | 269 | 21.0 | 21.0 | .3 | 269 | 18.9 | 18.9 | .4 | 19517 |

| | 4/ 5 2325 GMT | | | | 4/ 6 1213 GMT | | | | 4/ 6 18 4 GMT | | | | 4/ 6 2325 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 97 | 31.6 | -31.3 | 4.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 91 | 27.6 | -27.6 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 89 | 25.4 | -25.4 | -.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 63 | 10.3 | -9.2 | -4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 15 | 2.0 | -.5 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 243 | 6.1 | 5.5 | 2.8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 276 | 6.5 | 6.5 | -.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 260 | 13.3 | 13.1 | 2.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 269 | 15.6 | 15.6 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 278 | 14.5 | 14.3 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 273 | 14.1 | 14.1 | -.9 | 0 0 | 0.0 | 0.0 | 0.0 | 264 | 13.0 | 12.9 | 1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | 281 | 13.8 | 13.5 | -2.7 | 268 | 17.1 | 17.1 | .5 | 264 | 16.9 | 16.8 | 1.8 | 255 | 15.1 | 14.6 | 3.8 | 20047 |
| 60 | 248 | 14.1 | 13.1 | 5.2 | 273 | 16.7 | 16.7 | -.9 | 262 | 19.3 | 19.1 | 2.8 | 248 | 22.5 | 20.9 | 8.3 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. FANNING ISLAND

| | | 4/ 7 620 GMT | | | | | 4/ 7 12 5 GMT | | | | | 4/ 7 18 4 GMT | | | | | 4/ 8 1315 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 32.8 | -32.6 | 3.9 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 83 | 30.5 | -30.2 | -3.6 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 94 | 23.1 | -23.0 | 1.8 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 14.5 | -14.5 | .6 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 42 | 11.0 | -7.3 | -8.2 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 234 | 6.9 | 5.6 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 258 | 15.3 | 15.0 | 3.2 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 218 | 5.2 | 3.2 | 4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 266 | 18.5 | 18.5 | 1.1 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 296 | 5.1 | 4.5 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 309 | 15.0 | 11.7 | -9.4 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 286 | 19.0 | 18.3 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 290 | 3.2 | 3.0 | -1.1 | 22025 |
| 45 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 257 | 7.6 | 7.4 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 306 | 12.9 | 10.4 | -7.7 | 21288 |
| 50 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 257 | 10.8 | 10.5 | 2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 284 | 13.1 | 12.7 | -3.2 | 20634 |
| 55 | | 260 | 22.7 | 22.4 | 4.1 | | 251 | 15.4 | 14.6 | 5.0 | | 263 | 12.6 | 12.5 | 1.6 | | 277 | 12.6 | 12.5 | -1.4 | 20047 |
| 60 | | 258 | 20.1 | 19.7 | 4.1 | | 255 | 16.3 | 15.8 | 4.2 | | 247 | 15.0 | 13.9 | 5.8 | | 268 | 17.8 | 17.8 | .7 | 19517 |

| | | 4/ 8 1725 GMT | | | | | 4/ 8 2315 GMT | | | | | 4/ 9 12 4 GMT | | | | | 4/ 9 2332 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 24.1 | -24.0 | -2.3 | | 86 | 28.5 | -28.4 | -1.8 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 19.0 | -18.6 | 4.2 | | 99 | 20.7 | -20.4 | 3.2 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 15.8 | -15.8 | -.1 | | 153 | 12.2 | -5.6 | 10.9 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 117 | 5.7 | -5.1 | 2.6 | | 233 | 5.5 | 4.4 | 3.3 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 82 | 10.8 | -10.7 | -1.5 | | 78 | 5.7 | -5.6 | -1.2 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 254 | 9.7 | 9.3 | 2.6 | | 265 | 19.6 | 19.5 | 1.7 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 310 | 14.7 | 11.3 | -9.4 | | 280 | 14.8 | 14.6 | -2.5 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 276 | 13.2 | 13.1 | -1.5 | | 267 | 19.9 | 19.9 | 1.0 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 256 | 18.6 | 18.0 | 4.6 | | 271 | 14.2 | 14.2 | -.4 | 22025 |
| 45 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 262 | 13.5 | 13.4 | 1.9 | | 279 | 17.8 | 17.6 | -2.8 | 21288 |
| 50 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 269 | 13.4 | 13.4 | .3 | | 282 | 10.9 | 10.7 | -2.3 | 20634 |
| 55 | | 272 | 17.2 | 17.2 | -.5 | | 297 | 20.3 | 18.1 | -9.2 | | 275 | 15.2 | 15.1 | -1.2 | | 276 | 14.2 | 14.1 | -1.6 | 20047 |
| 60 | | 256 | 22.2 | 21.5 | 5.4 | | 285 | 15.0 | 14.4 | -3.9 | | 293 | 21.1 | 19.4 | -8.2 | | 271 | 20.7 | 20.7 | -.4 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. FANNING ISLAND

| | 4/10 1135 GMT | | | | 4/10 23 5 GMT | | | | 4/11 1137 GMT | | | | 4/11 2238 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 0 0 | 0.0 | 0.0 | 0.0 | 267 | 10.8 | 10.8 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 0 0 | 0.0 | 0.0 | 0.0 | 268 | 19.3 | 19.3 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | 286 | 14.5 | 13.9 | -4.1 | 272 | 15.7 | 15.7 | -.6 | 273 | 14.4 | 14.3 | -.8 | 254 | 18.9 | 18.2 | 5.2 | 20047 |
| 60 | 280 | 19.3 | 19.0 | -3.5 | 272 | 9.9 | 9.9 | -.4 | 284 | 18.8 | 18.3 | -4.4 | 249 | 13.9 | 13.0 | 5.0 | 19517 |

| | 4/13 0 8 GMT | | | | 4/13 1240 GMT | | | | 4/13 2310 GMT | | | | 4/14 1147 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 93 | 27.7 | -27.7 | 1.5 | 29854 |
| 14 | 91 | 23.1 | -23.1 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 98 | 24.2 | -24.0 | 3.5 | 28821 |
| 16 | 87 | 26.5 | -26.5 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 84 | 16.2 | -16.1 | -1.6 | 27934 |
| 18 | 99 | 24.0 | -23.6 | 3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 99 | 9.6 | -9.5 | 1.5 | 27158 |
| 20 | 115 | 9.1 | -8.3 | 3.8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 2 234 | 2.5 | 2.0 | 1.5 | 26468 |
| 25 | 281 | 11.0 | 10.8 | -2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 264 | 8.7 | 8.6 | 1.0 | 25017 |
| 30 | 281 | 10.5 | 10.3 | -2.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 253 | 10.3 | 9.9 | 3.0 | 23846 |
| 35 | 263 | 14.3 | 14.2 | 1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 287 | 12.0 | 11.4 | -3.6 | 22866 |
| 40 | 244 | 16.0 | 14.4 | 7.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 275 | 21.1 | 21.0 | -1.9 | 22025 |
| 45 | 239 | 14.2 | 12.1 | 7.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 271 | 20.4 | 20.4 | -.2 | 21288 |
| 50 | 277 | 14.0 | 13.9 | -1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 273 | 23.5 | 23.4 | -1.4 | 20634 |
| 55 | 300 | 11.3 | 9.8 | -5.7 | 273 | 11.9 | 11.9 | -.7 | 254 | 13.1 | 12.6 | 3.5 | 274 | 18.1 | 18.0 | -1.3 | 20047 |
| 60 | 271 | 11.2 | 11.2 | -.2 | 271 | 10.0 | 10.0 | -.2 | 268 | 15.5 | 15.5 | .6 | 264 | 14.0 | 13.9 | 1.4 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

FANNING ISLAND

| | 4/15 014 GMT | | | | 4/15 1256 GMT | | | | 4/16 525 GMT | | | | 4/16 1155 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 265 | 8.7 | 8.7 | .7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 318 | 7.8 | 5.3 | -5.7 | 25017 |
| 30 | 264 | 11.7 | 11.6 | 1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 269 | 9.1 | 9.1 | .2 | 23846 |
| 35 | 277 | 15.2 | 15.1 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 288 | 12.1 | 11.5 | -3.7 | 22866 |
| 40 | 278 | 19.9 | 19.7 | -2.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 246 | 14.3 | 13.1 | 5.7 | 22025 |
| 45 | 279 | 17.7 | 17.5 | -2.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 275 | 10.8 | 10.8 | -1.0 | 21288 |
| 50 | 278 | 18.8 | 18.6 | -2.6 | 0 0 | 0.0 | 0.0 | 0.0 | 275 | 18.1 | 18.1 | -1.6 | 276 | 17.1 | 17.0 | -1.8 | 20634 |
| 55 | 261 | 19.7 | 19.5 | 3.0 | 269 | 21.6 | 21.6 | .3 | 278 | 21.1 | 20.9 | -2.9 | 271 | 23.3 | 23.3 | -.2 | 20047 |
| 60 | 252 | 15.7 | 14.9 | 4.7 | 282 | 16.8 | 16.4 | -3.6 | 269 | 20.0 | 20.0 | .5 | 271 | 20.4 | 20.4 | -.5 | 19517 |

| | 4/16 2327 GMT | | | | 4/17 6 2 GMT | | | | 4/17 1239 GMT | | | | 4/17 23 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 81 | 26.9 | -26.6 | -4.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 95 | 18.5 | -18.5 | 1.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 97 | 16.0 | -15.9 | 1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 138 | 9.4 | -6.3 | 6.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 299 | 7.4 | 6.4 | -3.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 286 | 6.9 | 6.7 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 298 | 11.6 | 10.3 | -5.4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 245 | 12.1 | 11.0 | 5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 256 | 14.8 | 14.4 | 3.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 268 | 17.0 | 17.0 | .5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | 278 | 19.2 | 19.0 | -2.6 | 285 | 14.6 | 14.2 | -3.7 | 280 | 17.3 | 17.0 | -3.0 | 274 | 17.5 | 17.4 | -1.2 | 20047 |
| 60 | 267 | 23.9 | 23.9 | 1.4 | 285 | 19.5 | 18.8 | -5.0 | 286 | 23.3 | 22.4 | -6.3 | 292 | 15.7 | 14.5 | -5.8 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. FANNING ISLAND

| | 4/18 5 0 GMT | | | | | 4/18 1159 GMT | | | | | 4/18 2357 GMT | | | | | 4/19 2330 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 25.2 | -25.2 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 98 | 22.6 | -22.3 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 105 | 19.2 | -18.6 | 4.9 | | 91 | 16.9 | -16.8 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 72 | 20.7 | -19.8 | -6.3 | | 74 | 15.6 | -15.0 | -4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 70 | 15.0 | -14.1 | -5.1 | | 38 | 5.2 | -3.3 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 225 | 5.8 | 4.1 | 4.1 | | 198 | 6.3 | 2.0 | 6.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 359 | 3.3 | .0 | -3.3 | | 261 | 12.6 | 12.5 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 265 | 13.5 | 13.4 | 1.3 | | 258 | 12.2 | 12.0 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 285 | 12.3 | 11.8 | -3.2 | | 281 | 11.4 | 11.2 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 264 | 14.4 | 14.3 | 1.5 | | 265 | 12.2 | 12.1 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 267 | 14.6 | 14.6 | .7 | | 258 | 11.8 | 11.5 | 2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | | 282 | 15.4 | 15.1 | -3.1 | | 274 | 17.1 | 17.1 | -1.1 | | 261 | 14.4 | 14.2 | 2.3 | | 258 | 12.2 | 11.9 | 2.5 | 20047 |
| 60 | | 266 | 17.1 | 17.0 | 1.2 | | 256 | 13.7 | 13.3 | 3.3 | | 256 | 14.6 | 14.2 | 3.6 | | 252 | 14.6 | 13.9 | 4.6 | 19517 |

| | 4/20 527 GMT | | | | | 4/20 1216 GMT | | | | | 4/20 2355 GMT | | | | | 4/21 2325 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 22.5 | -22.5 | -.1 | | 92 | 20.7 | -20.7 | .7 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 74 | 19.4 | -18.7 | -5.3 | | 94 | 18.3 | -18.3 | 1.4 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 80 | 13.5 | -13.3 | -2.4 | | 94 | 16.2 | -16.1 | 1.2 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 120 | 9.0 | -7.8 | 4.5 | | 77 | 13.6 | -13.3 | -3.1 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 292 | 9.2 | 8.5 | -3.5 | | 284 | 10.5 | 10.2 | -2.5 | | 202 | 5.8 | 2.1 | 5.4 | 25017 |
| 30 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 307 | 4.3 | 3.4 | -2.5 | | 250 | 11.0 | 10.3 | 3.8 | | 203 | 1.0 | .4 | .9 | 23846 |
| 35 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 10.9 | 10.7 | -2.4 | | 281 | 5.2 | 5.1 | -1.0 | | 266 | 7.1 | 7.1 | .5 | 22866 |
| 40 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 253 | 14.6 | 13.9 | 4.3 | | 263 | 8.1 | 8.1 | 1.0 | | 305 | 7.3 | 6.0 | -4.2 | 22025 |
| 45 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 283 | 9.6 | 9.4 | -2.1 | | 249 | 15.5 | 14.5 | 5.4 | | 261 | 11.4 | 11.3 | 1.7 | 21288 |
| 50 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 294 | 11.7 | 10.7 | -4.7 | | 271 | 9.3 | 9.3 | -.1 | | 263 | 14.2 | 14.1 | 1.7 | 20634 |
| 55 | | 252 | 13.7 | 13.0 | 4.1 | | 264 | 14.8 | 14.7 | 1.6 | | 288 | 13.2 | 12.6 | -4.1 | | 281 | 12.0 | 11.8 | -2.2 | 20047 |
| 60 | | 248 | 14.0 | 12.9 | 5.2 | | 254 | 14.5 | 13.9 | 3.9 | | 282 | 14.7 | 14.4 | -3.0 | | 290 | 14.3 | 13.5 | -4.9 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. CHRISTMAS ISLAND

| | 3/ 5 1210 GMT | | | | 3/ 6 1240 GMT | | | | 3/ 7 0 0 GMT | | | | 3/ 7 1220 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 88 | 28.3 | -28.3 | -1.1 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 92 | 27.7 | -27.7 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 88 | 23.1 | -23.1 | -.7 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 80 | 24.1 | -23.7 | -4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 87 | 23.0 | -23.0 | -1.2 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 100 | 21.5 | -21.1 | 3.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 96 | 24.0 | -23.9 | 2.4 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 103 | 24.7 | -24.1 | 5.4 | 2 | 83 | 27.0 | -26.7 | -3.4 | 2 | 92 | 23.0 | -23.0 | .7 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 105 | 29.2 | -28.1 | 7.7 | 2 | 83 | 19.2 | -19.0 | -2.4 | 2 | 82 | 22.6 | -22.4 | -3.3 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 84 | 28.7 | -28.6 | -3.0 | 2 | 90 | 24.3 | -24.3 | .1 | 2 | 79 | 20.5 | -20.2 | -3.9 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 92 | 21.5 | -21.5 | .6 | 2 | 93 | 24.1 | -24.0 | 1.4 | 2 | 75 | 14.9 | -14.4 | -3.8 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 63 | 18.5 | -16.4 | -8.5 | 2 | 99 | 13.5 | -13.4 | 2.0 | 2 | 280 | 2.6 | 2.5 | -.4 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 151 | 3.3 | -1.6 | 2.8 | 2 | 48 | 1.2 | -.9 | -.8 | 2 | 229 | 14.4 | 10.8 | 9.5 | 27158 |
| 20 | 2 | 183 | 2.9 | .1 | 2.9 | 2 | 159 | 10.4 | -3.7 | 9.7 | 2 | 232 | 3.3 | 2.6 | 2.0 | 2 | 204 | 15.8 | 6.5 | 14.4 | 26468 |
| 25 | 2 | 305 | 18.8 | 15.4 | -10.8 | 2 | 287 | 10.7 | 10.2 | -3.2 | 2 | 277 | 2.3 | 2.3 | -.3 | 2 | 297 | 4.8 | 4.3 | -2.2 | 25017 |
| 30 | 2 | 260 | 21.5 | 21.1 | 3.8 | 2 | 275 | 9.7 | 9.6 | -.8 | 2 | 298 | 13.1 | 11.6 | -6.1 | 2 | 267 | 11.6 | 11.6 | .5 | 23846 |
| 35 | 2 | 266 | 21.9 | 21.9 | 1.4 | 2 | 292 | 11.1 | 10.2 | -4.2 | 2 | 290 | 11.1 | 10.4 | -3.8 | 2 | 272 | 9.1 | 9.1 | -.3 | 22866 |
| 40 | 2 | 223 | 14.1 | 9.7 | 10.2 | 2 | 274 | 13.4 | 13.3 | -.9 | 2 | 298 | 12.7 | 11.3 | -5.9 | 2 | 295 | 11.9 | 10.8 | -5.0 | 22025 |
| 45 | 2 | 263 | 14.5 | 14.4 | 1.6 | 2 | 257 | 11.7 | 11.4 | 2.7 | 2 | 274 | 9.9 | 9.9 | -.7 | 2 | 298 | 11.9 | 10.6 | -5.5 | 21288 |
| 50 | 2 | 271 | 12.8 | 12.8 | -.2 | 2 | 291 | 17.9 | 16.7 | -6.3 | 2 | 238 | 10.3 | 8.8 | 5.4 | 2 | 285 | 8.9 | 8.6 | -2.3 | 20634 |
| 55 | 2 | 281 | 22.2 | 21.8 | -4.2 | 2 | 276 | 19.1 | 19.0 | -1.9 | 2 | 285 | 12.1 | 11.7 | -3.2 | 2 | 282 | 16.8 | 16.4 | -3.4 | 20047 |
| 60 | 2 | 276 | 22.2 | 22.0 | -2.5 | 2 | 238 | 9.3 | 7.9 | 5.0 | 2 | 270 | 17.2 | 17.2 | .1 | 2 | 282 | 17.3 | 16.9 | -3.7 | 19517 |

| | 3/ 9 0 5 GMT | | | | 3/ 9 1145 GMT | | | | 3/10 0 0 GMT | | | | 3/11 010 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 75 | 28.3 | -27.3 | -7.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 86 | 28.9 | -28.8 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 91 | 38.4 | -38.4 | 1.0 | 31086 |
| 12 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 90 | 28.8 | -28.8 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 80 | 24.3 | -23.9 | -4.1 | 29854 |
| 14 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 71 | 25.5 | -24.2 | -8.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 78 | 16.3 | -15.9 | -3.5 | 28821 |
| 16 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 87 | 23.1 | -23.0 | -1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 71 | 15.1 | -14.2 | -5.0 | 27934 |
| 18 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 75 | 15.5 | -15.0 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 206 | 9.5 | 4.2 | 8.5 | 27158 |
| 20 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 110 | 7.4 | -7.0 | 2.6 | 2 | 115 | 10.9 | -9.8 | 4.6 | 2 | 149 | 9.1 | -4.6 | 7.9 | 26468 |
| 25 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 267 | 15.5 | 15.5 | .9 | 2 | 302 | 14.8 | 12.6 | -7.8 | 2 | 261 | 16.2 | 16.0 | 2.4 | 25017 |
| 30 | 2 | 244 | 14.6 | 13.1 | 6.5 | 2 | 261 | 14.1 | 13.9 | 2.3 | 2 | 285 | 19.1 | 18.5 | -4.8 | 2 | 267 | 15.0 | 15.0 | .8 | 23846 |
| 35 | 2 | 244 | 15.9 | 14.2 | 7.0 | 2 | 270 | 9.3 | 9.3 | -.1 | 2 | 272 | 14.6 | 14.6 | -.5 | 2 | 296 | 18.1 | 16.2 | -8.0 | 22866 |
| 40 | 2 | 259 | 17.7 | 17.4 | 3.3 | 2 | 235 | 12.0 | 9.9 | 6.9 | 2 | 249 | 15.9 | 14.8 | 5.8 | 2 | 275 | 18.6 | 18.5 | -1.7 | 22025 |
| 45 | 2 | 259 | 17.4 | 17.1 | 3.4 | 2 | 253 | 15.7 | 15.0 | 4.6 | 2 | 257 | 17.5 | 17.1 | 4.0 | 2 | 248 | 18.7 | 17.4 | 6.9 | 21288 |
| 50 | 2 | 225 | 10.8 | 7.7 | 7.5 | 2 | 260 | 17.5 | 17.2 | 2.9 | 2 | 250 | 12.0 | 11.2 | 4.1 | 2 | 261 | 21.3 | 21.0 | 3.5 | 20634 |
| 55 | 2 | 260 | 7.0 | 6.9 | 1.3 | 2 | 260 | 9.0 | 8.9 | 1.5 | 2 | 237 | 4.4 | 3.7 | 2.4 | 2 | 291 | 9.5 | 8.9 | -3.4 | 20047 |
| 60 | 2 | 300 | 10.5 | 9.2 | -5.2 | 2 | 215 | 5.8 | 3.4 | 4.8 | 2 | 228 | 6.4 | 4.8 | 4.3 | 2 | 168 | 5.2 | -1.1 | 5.1 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. CHRISTMAS ISLAND

| | 3/11 12 0 GMT | | | | | 3/12 12 0 GMT | | | | | 3/14 030 GMT | | | | | 3/15 0 0 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 83 | 32.1 | -31.9 | -3.7 | 34599 |
| 7 | 2 | 86 | 27.7 | -27.6 | -1.9 | 2 | 82 | 25.0 | -24.7 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 83 | 30.8 | -30.6 | -3.5 | 33523 |
| 8 | 2 | 103 | 27.3 | -26.7 | 6.0 | 2 | 82 | 28.3 | -28.0 | -4.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 79 | 28.2 | -27.7 | -5.5 | 32612 |
| 9 | 2 | 97 | 33.3 | -33.0 | 4.1 | 2 | 96 | 28.4 | -28.3 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 74 | 24.0 | -23.1 | -6.6 | 31805 |
| 10 | 2 | 86 | 28.7 | -28.6 | -2.0 | 2 | 84 | 26.6 | -26.4 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 74 | 22.4 | -21.5 | -6.2 | 31086 |
| 12 | 2 | 93 | 28.5 | -28.5 | 1.3 | 2 | 95 | 28.9 | -28.8 | 2.5 | 2 | 85 | 16.6 | -16.6 | -1.3 | 2 | 94 | 20.1 | -20.0 | 1.5 | 29854 |
| 14 | 2 | 82 | 25.2 | -25.0 | -3.4 | 2 | 91 | 22.6 | -22.6 | .4 | 2 | 87 | 17.7 | -17.6 | -1.0 | 2 | 61 | 10.3 | -9.0 | -5.0 | 28821 |
| 16 | 2 | 70 | 21.2 | -20.0 | -7.2 | 2 | 109 | 20.2 | -19.1 | 6.5 | 2 | 104 | 9.4 | -9.2 | 2.3 | 2 | 160 | 9.4 | -3.2 | 8.8 | 27934 |
| 18 | 2 | 40 | 5.1 | -3.3 | -3.9 | 2 | 47 | 13.8 | -10.1 | -9.4 | 2 | 105 | 6.4 | -6.2 | 1.7 | 2 | 242 | 2.8 | 2.5 | 1.3 | 27158 |
| 20 | 2 | 251 | 15.5 | 14.7 | 5.0 | 2 | 66 | 3.9 | -3.6 | -1.6 | 2 | 318 | 7.2 | 4.8 | -5.4 | 2 | 286 | 12.5 | 12.0 | -3.5 | 26468 |
| 25 | 2 | 264 | 13.6 | 13.5 | 1.5 | 2 | 176 | 4.0 | -.3 | 4.0 | 2 | 281 | 6.1 | 6.0 | -1.2 | 2 | 244 | 12.3 | 11.1 | 5.3 | 25017 |
| 30 | 2 | 257 | 16.6 | 16.2 | 3.8 | 2 | 258 | 9.5 | 9.4 | 1.9 | 2 | 294 | 7.0 | 6.4 | -2.8 | 2 | 297 | 10.4 | 9.3 | -4.8 | 23846 |
| 35 | 2 | 297 | 15.6 | 13.8 | -7.1 | 2 | 279 | 14.0 | 13.9 | -2.1 | 2 | 269 | 7.6 | 7.6 | .2 | 2 | 303 | 8.1 | 6.8 | -4.3 | 22866 |
| 40 | 2 | 278 | 20.8 | 20.6 | -2.7 | 2 | 285 | 15.8 | 15.2 | -4.1 | 2 | 251 | 11.5 | 10.9 | 3.8 | 2 | 277 | 7.6 | 7.6 | -.9 | 22025 |
| 45 | 2 | 260 | 19.5 | 19.1 | 3.5 | 2 | 274 | 20.5 | 20.4 | -1.3 | 2 | 250 | 14.4 | 13.5 | 4.9 | 2 | 252 | 10.2 | 9.7 | 3.1 | 21288 |
| 50 | 2 | 251 | 12.9 | 12.2 | 4.3 | 2 | 265 | 17.8 | 17.7 | 1.7 | 2 | 259 | 20.5 | 20.1 | 4.1 | 2 | 248 | 19.7 | 18.3 | 7.3 | 20634 |
| 55 | 2 | 278 | 10.1 | 10.0 | -1.4 | 2 | 263 | 19.8 | 19.6 | 2.3 | 2 | 254 | 20.2 | 19.5 | 5.5 | 2 | 256 | 20.9 | 20.3 | 5.1 | 20047 |
| 60 | 2 | 82 | 4.0 | -3.9 | -.5 | 2 | 269 | 13.6 | 13.6 | .2 | 2 | 256 | 18.6 | 18.0 | 4.6 | 2 | 258 | 20.4 | 20.0 | 4.3 | 19517 |

| | 3/15 12 5 GMT | | | | | 3/16 0 5 GMT | | | | | 3/16 1210 GMT | | | | | 3/17 013 GMT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 87 | 29.8 | -29.8 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 90 | 29.6 | -29.6 | .1 | 2 | 89 | 36.2 | -36.2 | -.6 | 31805 |
| 10 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 101 | 28.7 | -28.1 | 5.7 | 2 | 87 | 28.6 | -28.6 | -1.6 | 31086 |
| 12 | 2 | 80 | 18.9 | -18.6 | -3.3 | 2 | 90 | 25.5 | -25.5 | -.2 | 2 | 88 | 23.8 | -23.8 | -.9 | 2 | 92 | 21.1 | -21.1 | .6 | 29854 |
| 14 | 2 | 88 | 15.6 | -15.6 | -.6 | 2 | 101 | 20.6 | -20.3 | 3.8 | 2 | 103 | 14.0 | -13.6 | 3.2 | 2 | 98 | 16.8 | -16.7 | 2.3 | 28821 |
| 16 | 2 | 70 | 11.6 | -10.9 | -4.1 | 2 | 89 | 13.4 | -13.4 | -.2 | 2 | 32 | 11.5 | -6.1 | -9.7 | 2 | 81 | 10.2 | -10.1 | -1.6 | 27934 |
| 18 | 2 | 146 | 10.8 | -6.1 | 8.9 | 2 | 32 | 9.8 | -5.1 | -8.4 | 2 | 188 | 3.6 | .5 | 3.5 | 2 | 354 | 4.0 | .4 | -3.9 | 27158 |
| 20 | 2 | 113 | 2.7 | -2.5 | 1.1 | 2 | 37 | .5 | -.3 | -.4 | 2 | 248 | 11.9 | 11.0 | 4.4 | 2 | 315 | 8.9 | 6.3 | -6.2 | 26468 |
| 25 | 2 | 280 | 12.2 | 12.1 | -2.1 | 2 | 265 | 8.8 | 8.8 | .8 | 2 | 272 | 13.9 | 13.9 | -.6 | 2 | 257 | 14.1 | 13.7 | 3.2 | 25017 |
| 30 | 2 | 279 | 8.0 | 7.9 | -1.2 | 2 | 257 | 14.1 | 13.7 | 3.1 | 2 | 262 | 13.1 | 13.0 | 1.7 | 2 | 267 | 14.8 | 14.8 | .8 | 23846 |
| 35 | 2 | 260 | 7.6 | 7.5 | 1.3 | 2 | 253 | 9.6 | 9.2 | 2.8 | 2 | 261 | 11.0 | 10.9 | 1.8 | 2 | 268 | 12.9 | 12.9 | .4 | 22866 |
| 40 | 2 | 278 | 8.1 | 8.0 | -1.2 | 2 | 279 | 6.3 | 6.3 | -.9 | 2 | 275 | 8.1 | 8.1 | -.7 | 2 | 258 | 11.6 | 11.3 | 2.5 | 22025 |
| 45 | 2 | 277 | 10.1 | 10.0 | -1.3 | 2 | 287 | 6.2 | 5.9 | -1.9 | 2 | 275 | 10.8 | 10.7 | -.9 | 2 | 242 | 9.9 | 8.7 | 4.6 | 21288 |
| 50 | 2 | 263 | 19.0 | 18.8 | 2.4 | 2 | 270 | 9.8 | 9.8 | .1 | 2 | 263 | 17.3 | 17.2 | 2.0 | 2 | 234 | 11.7 | 9.4 | 6.9 | 20634 |
| 55 | 2 | 256 | 24.8 | 24.0 | 6.1 | 2 | 261 | 13.7 | 13.5 | 2.2 | 2 | 270 | 11.3 | 11.3 | -.0 | 2 | 259 | 10.5 | 10.3 | 2.0 | 20047 |
| 60 | 2 | 254 | 25.3 | 24.3 | 7.1 | 2 | 258 | 17.8 | 17.4 | 3.8 | 2 | 263 | 15.6 | 15.5 | 2.0 | 2 | 278 | 11.8 | 11.7 | -1.7 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. CHRISTMAS ISLAND

| P | 3/17 1145 GMT I | DD | FF | U | V | 3/18 0 0 GMT I | DD | FF | U | V | 3/19 1220 GMT I | DD | FF | U | V | 3/19 2350 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 93 | 21.4 | -21.3 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 84 | 27.1 | -26.9 | -2.7 | 2 | 83 | 30.5 | -30.3 | -3.6 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 86 | 26.7 | -26.6 | -1.7 | 2 | 91 | 31.5 | -31.5 | .5 | 2 | 80 | 31.5 | -31.0 | -5.6 | 32612 |
| 9 | 2 | 92 | 32.6 | -32.6 | 1.0 | 2 | 87 | 31.0 | -31.0 | -1.5 | 2 | 89 | 29.4 | -29.4 | -.4 | 2 | 88 | 31.2 | -31.2 | -1.3 | 31805 |
| 10 | 2 | 91 | 30.6 | -30.6 | .3 | 2 | 88 | 26.9 | -26.9 | -1.1 | 2 | 92 | 29.8 | -29.7 | 1.1 | 2 | 83 | 31.7 | -31.5 | -3.7 | 31086 |
| 12 | 2 | 90 | 24.0 | -24.0 | .1 | 2 | 91 | 22.5 | -22.5 | .6 | 2 | 89 | 21.5 | -21.5 | -.5 | 2 | 99 | 24.4 | -24.1 | 3.9 | 29854 |
| 14 | 2 | 73 | 20.5 | -19.6 | -5.9 | 2 | 124 | 14.5 | -11.9 | 8.2 | 2 | 84 | 11.0 | -10.9 | -1.2 | 2 | 107 | 18.8 | -17.9 | 5.6 | 28821 |
| 16 | 2 | 116 | 14.8 | -13.3 | 6.5 | 2 | 119 | 5.9 | -5.2 | 2.8 | 2 | 82 | 13.4 | -13.3 | -1.9 | 2 | 133 | 11.1 | -8.1 | 7.5 | 27934 |
| 18 | 2 | 105 | 10.3 | -10.0 | 2.7 | 2 | 285 | 4.4 | 4.2 | -1.1 | 2 | 278 | 19.1 | 18.9 | -2.7 | 2 | 318 | 1.2 | .8 | -.9 | 27158 |
| 20 | 2 | 329 | 1.9 | 1.0 | -1.7 | 2 | 326 | 4.1 | 2.3 | -3.4 | 2 | 266 | 14.6 | 14.5 | .9 | 2 | 293 | 12.4 | 11.5 | -4.8 | 26468 |
| 25 | 2 | 260 | 6.0 | 5.9 | 1.1 | 2 | 272 | 10.1 | 10.1 | -.3 | 2 | 276 | 13.8 | 13.7 | -1.5 | 2 | 240 | 18.3 | 15.9 | 9.1 | 25017 |
| 30 | 2 | 269 | 10.3 | 10.3 | .2 | 2 | 273 | 12.3 | 12.2 | -.6 | 2 | 260 | 9.3 | 9.2 | 1.7 | 2 | 267 | 13.0 | 13.0 | .7 | 23846 |
| 35 | 2 | 253 | 12.7 | 12.1 | 3.7 | 2 | 251 | 14.4 | 13.6 | 4.6 | 2 | 267 | 7.8 | 7.8 | .4 | 2 | 292 | 9.4 | 8.7 | -3.5 | 22866 |
| 40 | 2 | 277 | 13.5 | 13.4 | -1.6 | 2 | 284 | 17.2 | 16.7 | -4.1 | 2 | 263 | 9.2 | 9.1 | 1.1 | 2 | 263 | 13.1 | 13.0 | 1.7 | 22025 |
| 45 | 2 | 282 | 10.4 | 10.2 | -2.1 | 2 | 266 | 14.4 | 14.4 | .9 | 2 | 277 | 15.4 | 15.3 | -1.9 | 2 | 269 | 16.7 | 16.7 | .2 | 21288 |
| 50 | 2 | 258 | 5.6 | 5.5 | 1.2 | 2 | 281 | 5.0 | 4.9 | -.9 | 2 | 275 | 20.1 | 20.0 | -1.7 | 2 | 266 | 20.3 | 20.2 | 1.3 | 20634 |
| 55 | 2 | 300 | 6.5 | 5.6 | -3.3 | 2 | 303 | 8.5 | 7.1 | -4.7 | 2 | 280 | 14.7 | 14.5 | -2.7 | 2 | 289 | 11.2 | 10.6 | -3.6 | 20047 |
| 60 | 2 | 285 | 6.1 | 5.9 | -1.6 | 2 | 281 | 11.2 | 10.9 | -2.2 | 2 | 295 | 11.0 | 10.0 | -4.6 | 2 | 308 | 10.8 | 8.5 | -6.6 | 19517 |

| P | 3/20 2350 GMT I | DD | FF | U | V | 3/22 020 GMT I | DD | FF | U | V | 3/23 1145 GMT I | DD | FF | U | V | 3/24 0 7 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 33.9 | -33.9 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 36.9 | -36.9 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | | 87 | 34.5 | -34.5 | -1.5 | | 89 | 31.2 | -31.2 | -.6 | | 84 | 29.1 | -29.0 | -3.2 | | 89 | 34.4 | -34.4 | -.3 | 34599 |
| 7 | | 85 | 30.6 | -30.5 | -2.9 | | 91 | 29.7 | -29.7 | .4 | | 82 | 32.4 | -32.1 | -4.6 | | 90 | 31.6 | -31.6 | .1 | 33523 |
| 8 | | 87 | 30.6 | -30.5 | -1.7 | | 94 | 27.6 | -27.5 | 1.8 | | 90 | 28.8 | -28.8 | .0 | | 92 | 31.2 | -31.2 | .9 | 32612 |
| 9 | | 87 | 31.6 | -31.6 | -1.9 | | 80 | 28.7 | -28.3 | -5.2 | | 92 | 32.0 | -32.0 | 1.0 | | 90 | 32.0 | -32.0 | -.3 | 31805 |
| 10 | | 85 | 31.6 | -31.4 | -2.8 | | 84 | 31.8 | -31.7 | -3.1 | | 98 | 32.6 | -32.3 | 4.3 | | 87 | 30.2 | -30.1 | -1.6 | 31086 |
| 12 | | 86 | 35.0 | -34.9 | -2.4 | | 90 | 36.2 | -36.2 | -.2 | | 86 | 27.6 | -27.5 | -1.9 | | 84 | 25.7 | -25.6 | -2.5 | 29854 |
| 14 | | 80 | 27.8 | -27.4 | -4.8 | | 81 | 27.1 | -26.8 | -4.2 | | 85 | 33.1 | -33.0 | -3.2 | | 80 | 26.1 | -25.7 | -4.7 | 28821 |
| 16 | | 93 | 17.7 | -17.7 | .9 | 3 | 81 | 17.0 | -16.8 | -2.7 | | 92 | 28.1 | -28.1 | .7 | | 96 | 21.2 | -21.1 | 2.3 | 27934 |
| 18 | | 71 | 10.3 | -9.8 | -3.3 | | 229 | 5.1 | 3.9 | 3.3 | | 88 | 17.8 | -17.8 | -.7 | | 99 | 15.4 | -15.2 | 2.5 | 27158 |
| 20 | | 268 | 4.3 | 4.3 | .1 | | 283 | 11.8 | 11.5 | -2.6 | | 53 | 13.0 | -10.3 | -7.9 | | 319 | 1.0 | .6 | -.7 | 26468 |
| 25 | | 268 | 16.5 | 16.5 | .4 | | 289 | 12.1 | 11.5 | -3.9 | | 253 | 19.3 | 18.5 | 5.5 | | 258 | 13.6 | 13.3 | 2.9 | 25017 |
| 30 | | 251 | 16.4 | 15.6 | 5.2 | | 256 | 23.6 | 22.8 | 5.7 | | 302 | 19.0 | 16.2 | -10.0 | | 283 | 18.4 | 17.9 | -4.3 | 23846 |
| 35 | | 250 | 14.2 | 13.4 | 4.8 | | 238 | 24.0 | 20.4 | 12.6 | | 292 | 17.2 | 16.0 | -6.3 | | 273 | 19.3 | 19.3 | -1.0 | 22866 |
| 40 | | 260 | 7.5 | 7.4 | 1.3 | | 237 | 17.7 | 14.8 | 9.7 | | 293 | 15.5 | 14.3 | -6.0 | | 316 | 15.6 | 10.7 | -11.3 | 22025 |
| 45 | | 272 | 16.0 | 16.0 | -.6 | | 260 | 12.8 | 12.6 | 2.2 | 3 | 253 | 13.3 | 12.7 | 4.0 | | 305 | 9.1 | 7.5 | -5.2 | 21288 |
| 50 | | 271 | 16.5 | 16.5 | -.4 | | 270 | 11.8 | 11.8 | .1 | | 267 | 14.4 | 14.4 | .6 | | 245 | 12.0 | 10.9 | 5.1 | 20634 |
| 55 | | 279 | 14.0 | 13.9 | -2.3 | 3 | 271 | 21.6 | 21.6 | -.2 | | 272 | 12.6 | 12.6 | -.4 | | 271 | 10.2 | 10.2 | -.1 | 20047 |
| 60 | | 273 | 10.4 | 10.4 | -.6 | 0 | 279 | 34.9 | 34.5 | -5.7 | | 258 | 14.1 | 13.8 | 3.0 | | 291 | 6.6 | 6.1 | -2.4 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. CHRISTMAS ISLAND

| | 3/24 12 0 GMT | | | | 3/25 0 1 GMT | | | | 3/25 12 5 GMT | | | | 3/27 010 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 90 | 31.7 | -31.7 | .1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 89 | 31.9 | -31.8 | -.5 | 98 | 34.4 | -34.0 | 4.7 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 84 | 35.2 | -35.0 | -3.4 | 95 | 34.2 | -34.1 | 3.1 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 79 | 29.7 | -29.2 | -5.5 | 93 | 33.1 | -33.0 | 1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 79 | 28.9 | -28.4 | -5.5 | 81 | 28.5 | -28.2 | -4.3 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 89 | 24.2 | -24.1 | -.5 | 73 | 23.7 | -22.7 | -6.8 | 93 | 27.0 | -27.0 | 1.3 | 28821 |
| 16 | 0 0 | 0.0 | 0.0 | 0.0 | 96 | 18.9 | -18.8 | 2.0 | 78 | 12.6 | -12.3 | -2.6 | 95 | 23.0 | -22.9 | 1.9 | 27934 |
| 18 | 0 0 | 0.0 | 0.0 | 0.0 | 92 | 6.7 | -6.7 | .3 | 165 | 6.5 | -1.7 | 6.3 | 111 | 16.1 | -15.0 | 5.8 | 27158 |
| 20 | 0 0 | 0.0 | 0.0 | 0.0 | 57 | 11.1 | -9.3 | -6.1 | 345 | 1.4 | .4 | -1.3 | 110 | 7.7 | -7.2 | 2.7 | 26468 |
| 25 | 199 | 9.0 | 3.0 | 8.5 | 230 | 12.0 | 9.1 | 7.7 | 248 | 10.4 | 9.6 | 4.0 | 295 | 10.6 | 9.6 | -4.5 | 25017 |
| 30 | 292 | 13.2 | 12.2 | -5.0 | 267 | 8.8 | 8.8 | .5 | 194 | 10.4 | 2.5 | 10.1 | 310 | 11.9 | 9.1 | -7.7 | 23846 |
| 35 | 275 | 20.9 | 20.9 | -1.7 | 262 | 12.6 | 12.4 | 1.7 | 283 | 14.8 | 14.4 | -3.3 | 238 | 10.3 | 8.7 | 5.4 | 22866 |
| 40 | 291 | 18.6 | 17.4 | -6.6 | 267 | 13.6 | 13.6 | .8 | 263 | 17.3 | 17.2 | 2.0 | 243 | 11.0 | 9.8 | 5.1 | 22025 |
| 45 | 303 | 15.7 | 13.2 | -8.5 | 302 | 13.9 | 11.8 | -7.4 | 291 | 17.4 | 16.3 | -6.2 | 263 | 20.3 | 20.2 | 2.3 | 21288 |
| 50 | 266 | 7.5 | 7.5 | .5 | 301 | 17.6 | 15.1 | -9.0 | 288 | 19.6 | 18.6 | -6.0 | 258 | 15.6 | 15.3 | 3.1 | 20634 |
| 55 | 260 | 8.8 | 8.7 | 1.5 | 285 | 17.1 | 16.6 | -4.4 | 272 | 16.0 | 16.0 | -.6 | 256 | 10.3 | 9.9 | 2.6 | 20047 |
| 60 | 325 | 4.9 | 2.8 | -4.0 | 284 | 9.5 | 9.2 | -2.3 | 271 | 14.6 | 14.6 | -.4 | 270 | 9.0 | 9.0 | .1 | 19517 |

| | 3/27 1150 GMT | | | | 3/27 2350 GMT | | | | 3/28 1155 GMT | | | | 3/29 0 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 96 | 29.5 | -29.3 | 3.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 89 | 28.4 | -28.4 | -.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 72 | 26.3 | -25.1 | -8.1 | 33523 |
| 8 | 88 | 27.8 | -27.8 | -1.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 80 | 27.5 | -27.1 | -4.6 | 32612 |
| 9 | 92 | 29.2 | -29.2 | .9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 82 | 27.7 | -27.4 | -3.9 | 31805 |
| 10 | 97 | 28.5 | -28.3 | 3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 81 | 27.0 | -26.7 | -4.0 | 31086 |
| 12 | 83 | 25.4 | -25.2 | -3.3 | 83 | 23.9 | -23.8 | -2.8 | 94 | 25.5 | -25.4 | 1.6 | 75 | 24.5 | -23.7 | -6.2 | 29854 |
| 14 | 74 | 24.9 | -23.9 | -6.8 | 100 | 24.7 | -24.4 | 4.3 | 81 | 21.2 | -21.0 | -3.3 | 85 | 23.4 | -23.3 | -2.1 | 28821 |
| 16 | 88 | 23.3 | -23.3 | -.8 | 88 | 5.6 | -5.6 | -.2 | 103 | 13.0 | -12.7 | 2.8 | 92 | 21.3 | -21.3 | .9 | 27934 |
| 18 | 76 | 14.3 | -13.9 | -3.5 | 239 | 2.8 | 2.4 | 1.4 | 212 | 3.8 | 2.0 | 3.3 | 100 | 14.1 | -13.8 | 2.5 | 27158 |
| 20 | 127 | 11.0 | -8.7 | 6.7 | 308 | 5.8 | 4.5 | -3.5 | 218 | 8.4 | 5.2 | 6.5 | 237 | 3.1 | 2.6 | 1.7 | 26468 |
| 25 | 281 | 13.2 | 12.9 | -2.6 | 266 | 4.6 | 4.6 | .3 | 220 | 13.9 | 8.9 | 10.6 | 244 | 15.3 | 13.8 | 6.8 | 25017 |
| 30 | 323 | 18.3 | 11.0 | -14.7 | 299 | 15.2 | 13.3 | -7.4 | 350 | 5.1 | .9 | -5.0 | 257 | 5.1 | 5.0 | 1.1 | 23846 |
| 35 | 226 | 10.7 | 7.7 | 7.4 | 259 | 12.0 | 11.8 | 2.2 | 303 | 19.6 | 16.4 | -10.8 | 259 | 9.8 | 9.6 | 1.9 | 22866 |
| 40 | 265 | 15.0 | 14.9 | 1.4 | 272 | 17.8 | 17.8 | -.6 | 283 | 19.1 | 18.6 | -4.2 | 275 | 14.4 | 14.4 | -1.3 | 22025 |
| 45 | 271 | 22.3 | 22.3 | -.3 | 278 | 17.1 | 17.0 | -2.4 | 273 | 22.1 | 22.1 | -1.1 | 276 | 21.6 | 21.5 | -2.1 | 21288 |
| 50 | 261 | 15.7 | 15.5 | 2.4 | 256 | 8.8 | 8.5 | 2.1 | 278 | 18.9 | 18.8 | -2.5 | 272 | 18.7 | 18.7 | -.7 | 20634 |
| 55 | 275 | 9.4 | 9.3 | -.8 | 308 | 5.4 | 4.3 | -3.3 | 274 | 14.8 | 14.7 | -1.2 | 284 | 19.6 | 19.0 | -4.7 | 20047 |
| 60 | 297 | 7.1 | 6.3 | -3.3 | 260 | 5.1 | 5.1 | .9 | 292 | 7.4 | 6.8 | -2.8 | 294 | 7.3 | 6.7 | -3.0 | 19517 |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. CHRISTMAS ISLAND

| | 3/29 12 0 GMT | | | | 3/29 2345 GMT | | | | 3/30 1220 GMT | | | | 3/31 0 2 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 78 | 26.9 | -26.3 | -5.7 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 84 | 29.3 | -29.2 | -2.9 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 99 | 26.3 | -26.0 | 4.1 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 89 | 22.3 | -22.3 | -.2 | 0 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 88 | 19.0 | -19.0 | -.7 | 0 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 86 | 17.3 | -17.3 | -1.2 | 0 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 0 0 | 0.0 | 0.0 | 0.0 | 35 | 2.9 | -1.7 | -2.4 | 103 | 8.1 | -7.9 | 1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 0 0 | 0.0 | 0.0 | 0.0 | 286 | 16.3 | 15.7 | -4.4 | 300 | 9.0 | 7.8 | -4.5 | 0 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 0 0 | 0.0 | 0.0 | 0.0 | 254 | 18.7 | 18.0 | 5.2 | 252 | 18.1 | 17.2 | 5.5 | 0 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 0 0 | 0.0 | 0.0 | 0.0 | 248 | 5.5 | 5.1 | 2.0 | 225 | 16.5 | 11.6 | 11.8 | 211 | 18.2 | 9.3 | 15.6 | 23846 |
| 35 | 281 | 14.5 | 14.2 | -2.9 | 246 | 8.4 | 7.7 | 3.4 | 288 | 12.6 | 12.0 | -3.8 | 246 | 3.5 | 3.2 | 1.4 | 22866 |
| 40 | 265 | 12.6 | 12.5 | 1.1 | 264 | 14.2 | 14.1 | 1.6 | 286 | 13.6 | 13.1 | -3.8 | 272 | 12.4 | 12.4 | -.5 | 22025 |
| 45 | 259 | 15.0 | 14.8 | 2.8 | 275 | 23.0 | 22.9 | -2.1 | 277 | 14.5 | 14.4 | -1.8 | 272 | 17.5 | 17.5 | -.5 | 21288 |
| 50 | 266 | 18.9 | 18.9 | 1.3 | 280 | 18.4 | 18.1 | -3.1 | 273 | 20.1 | 20.1 | -1.0 | 264 | 18.4 | 18.2 | 2.0 | 20634 |
| 55 | 274 | 15.5 | 15.4 | -1.2 | 277 | 13.3 | 13.2 | -1.6 | 265 | 18.7 | 18.6 | 1.6 | 259 | 20.7 | 20.3 | 4.0 | 20047 |
| 60 | 289 | 13.7 | 13.0 | -4.4 | 302 | 6.7 | 5.7 | -3.6 | 257 | 14.8 | 14.5 | 3.2 | 251 | 18.6 | 17.6 | 6.0 | 19517 |

| | 3/31 12 0 GMT | | | | 4/ 1 0 1 GMT | | | | 4/ 1 12 5 GMT | | | | 4/ 1 2348 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 82 | 34.5 | -34.2 | -4.7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 79 | 33.4 | -32.8 | -6.3 | 0 0 | 0.0 | 0.0 | 0.0 | 75 | 31.4 | -30.3 | -8.2 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 78 | 34.6 | -33.8 | -7.3 | 0 0 | 0.0 | 0.0 | 0.0 | 90 | 34.7 | -34.7 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 79 | 34.2 | -33.6 | -6.2 | 0 0 | 0.0 | 0.0 | 0.0 | 87 | 35.1 | -35.0 | -1.6 | 82 | 37.8 | -37.4 | -5.5 | 31805 |
| 10 | 78 | 31.6 | -30.9 | -6.5 | 0 0 | 0.0 | 0.0 | 0.0 | 87 | 36.6 | -36.5 | -1.7 | 85 | 34.1 | -33.9 | -3.2 | 31086 |
| 12 | 74 | 24.8 | -23.8 | -6.7 | 0 0 | 0.0 | 0.0 | 0.0 | 79 | 27.8 | -27.3 | -5.1 | 80 | 29.2 | -28.8 | -4.9 | 29854 |
| 14 | 88 | 22.5 | -22.5 | -.6 | 0 0 | 0.0 | 0.0 | 0.0 | 76 | 23.9 | -23.2 | -6.0 | 81 | 26.3 | -25.9 | -4.3 | 28821 |
| 16 | 77 | 14.5 | -14.1 | -3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 80 | 18.5 | -18.2 | -3.4 | 95 | 16.2 | -16.1 | 1.5 | 27934 |
| 18 | 81 | 3.4 | -3.4 | -.5 | 0 0 | 0.0 | 0.0 | 0.0 | 133 | 7.0 | -5.1 | 4.8 | 84 | 4.7 | -4.7 | -.5 | 27158 |
| 20 | 306 | 7.1 | 5.7 | -4.2 | 0 0 | 0.0 | 0.0 | 0.0 | 177 | 4.2 | -.2 | 4.2 | 227 | 7.2 | 5.2 | 4.9 | 26468 |
| 25 | 267 | 19.4 | 19.4 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 330 | 10.6 | 5.2 | -9.3 | 35 | 5.0 | -2.8 | -4.1 | 25017 |
| 30 | 245 | 22.1 | 20.1 | 9.3 | 0 0 | 0.0 | 0.0 | 0.0 | 287 | 17.3 | 16.6 | -5.1 | 298 | 18.6 | 16.4 | -8.7 | 23846 |
| 35 | 236 | 19.3 | 16.0 | 10.7 | 0 0 | 0.0 | 0.0 | 0.0 | 256 | 18.0 | 17.4 | 4.4 | 281 | 18.8 | 18.4 | -3.7 | 22866 |
| 40 | 217 | 10.1 | 6.0 | 8.1 | 0 0 | 0.0 | 0.0 | 0.0 | 234 | 17.4 | 14.0 | 10.3 | 268 | 21.6 | 21.5 | .7 | 22025 |
| 45 | 253 | 13.0 | 12.4 | 3.8 | 0 0 | 0.0 | 0.0 | 0.0 | 240 | 14.4 | 12.4 | 7.2 | 252 | 17.6 | 16.8 | 5.4 | 21288 |
| 50 | 249 | 17.8 | 16.5 | 6.5 | 0 0 | 0.0 | 0.0 | 0.0 | 236 | 13.5 | 11.1 | 7.6 | 259 | 16.3 | 16.0 | 3.0 | 20634 |
| 55 | 254 | 24.5 | 23.5 | 6.8 | 242 | 15.8 | 13.9 | 7.4 | 256 | 18.5 | 18.0 | 4.5 | 261 | 15.1 | 14.9 | 2.4 | 20047 |
| 60 | 251 | 23.0 | 21.7 | 7.6 | 245 | 14.9 | 13.5 | 6.3 | 254 | 19.2 | 18.5 | 5.2 | 248 | 17.6 | 16.3 | 6.5 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

CHRISTMAS ISLAND

| P | 4/ 2 12 6 GMT I | DD | FF | U | V | 4/ 2 2346 GMT I | DD | FF | U | V | 4/ 4 015 GMT I | DD | FF | U | V | 4/ 4 1146 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | | 86 | 30.9 | -30.8 | -2.1 | | 75 | 31.1 | -30.0 | -8.2 | | 84 | 35.0 | -34.8 | -3.4 | | 90 | 29.5 | -29.5 | -.2 | 34599 |
| 7 | | 87 | 35.5 | -35.4 | -2.0 | | 88 | 28.0 | -28.0 | -1.0 | | 88 | 33.5 | -33.5 | -1.0 | | 91 | 29.7 | -29.7 | .8 | 33523 |
| 8 | | 78 | 34.3 | -33.6 | -6.9 | | 86 | 30.9 | -30.8 | -2.2 | 2 | 83 | 30.8 | -30.6 | -3.6 | | 93 | 28.8 | -28.7 | 1.6 | 32612 |
| 9 | | 80 | 33.4 | -32.8 | -6.0 | | 77 | 37.8 | -36.9 | -8.2 | | 78 | 36.2 | -35.5 | -7.2 | | 90 | 33.7 | -33.7 | .1 | 31805 |
| 10 | | 85 | 33.7 | -33.6 | -3.0 | | 85 | 34.3 | -34.1 | -2.9 | | 80 | 36.6 | -36.1 | -6.4 | | 81 | 36.5 | -36.1 | -5.4 | 31086 |
| 12 | | 87 | 28.9 | -28.8 | -1.4 | | 87 | 34.8 | -34.8 | -2.0 | | 80 | 34.1 | -33.6 | -5.7 | | 75 | 35.3 | -34.0 | -9.4 | 29854 |
| 14 | | 82 | 28.0 | -27.7 | -3.9 | | 86 | 30.1 | -30.0 | -1.9 | | 84 | 26.8 | -26.6 | -2.8 | | 85 | 24.3 | -24.2 | -1.9 | 28821 |
| 16 | | 74 | 15.2 | -14.6 | -4.3 | | 88 | 21.9 | -21.9 | -.9 | | 66 | 13.8 | -12.5 | -5.7 | | 82 | 18.8 | -18.6 | -2.6 | 27934 |
| 18 | | 0 | 7.9 | -.0 | -7.9 | | 100 | 9.4 | -9.2 | 1.6 | 3 | 74 | 12.2 | -11.7 | -3.4 | | 94 | 13.2 | -13.2 | 1.0 | 27158 |
| 20 | | 187 | 1.1 | .1 | 1.1 | | 348 | 3.8 | .8 | -3.7 | | 287 | 6.1 | 5.8 | -1.8 | | 326 | 5.9 | 3.3 | -4.9 | 26468 |
| 25 | | 188 | 7.0 | .9 | 7.0 | | 241 | 13.2 | 11.5 | 6.4 | | 219 | 9.3 | 5.9 | 7.2 | | 244 | 22.6 | 20.3 | 9.9 | 25017 |
| 30 | | 275 | 13.5 | 13.5 | -1.1 | | 302 | 10.1 | 8.5 | -5.3 | | 261 | 8.9 | 8.8 | 1.3 | | 239 | 13.1 | 11.2 | 6.7 | 23846 |
| 35 | | 285 | 18.8 | 18.2 | -4.7 | | 284 | 18.3 | 17.8 | -4.3 | | 276 | 16.1 | 16.0 | -1.8 | | 275 | 11.9 | 11.9 | -1.0 | 22866 |
| 40 | | 287 | 21.5 | 20.5 | -6.4 | | 273 | 20.0 | 20.0 | -1.2 | | 278 | 20.0 | 19.8 | -2.8 | | 275 | 15.2 | 15.2 | -1.4 | 22025 |
| 45 | | 262 | 18.0 | 17.8 | 2.4 | | 247 | 12.8 | 11.9 | 4.9 | | 263 | 16.3 | 16.2 | 2.0 | | 269 | 16.8 | 16.8 | .3 | 21288 |
| 50 | | 253 | 20.1 | 19.2 | 5.8 | | 258 | 14.2 | 13.9 | 2.8 | | 254 | 19.5 | 18.8 | 5.3 | | 279 | 17.1 | 16.9 | -2.7 | 20634 |
| 55 | | 267 | 18.6 | 18.5 | 1.0 | | 263 | 18.2 | 18.1 | 2.3 | | 255 | 22.2 | 21.4 | 5.9 | | 270 | 17.1 | 17.1 | -.0 | 20047 |
| 60 | | 272 | 18.2 | 18.2 | -.7 | | 260 | 19.9 | 19.6 | 3.5 | | 255 | 18.9 | 18.3 | 5.0 | | 255 | 15.6 | 15.1 | 4.0 | 19517 |

| P | 4/ 4 2355 GMT I | DD | FF | U | V | 4/ 5 12 0 GMT I | DD | FF | U | V | 4/ 6 0 5 GMT I | DD | FF | U | V | 4/ 6 1223 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | | 85 | 29.4 | -29.3 | -2.6 | | 81 | 26.1 | -25.8 | -4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | | 83 | 30.4 | -30.2 | -3.5 | | 79 | 27.5 | -27.0 | -5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | | 79 | 32.6 | -32.0 | -6.2 | | 88 | 26.2 | -26.2 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | | 82 | 32.9 | -32.6 | -4.3 | | 70 | 35.5 | -33.5 | -11.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 68 | 35.5 | -32.9 | -13.3 | 31805 |
| 10 | | 86 | 30.5 | -30.4 | -2.3 | | 90 | 33.5 | -33.5 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 32.7 | -32.7 | -.2 | 31086 |
| 12 | | 81 | 26.3 | -26.0 | -4.0 | | 88 | 25.4 | -25.4 | -.7 | | 83 | 25.6 | -25.4 | -3.0 | | 95 | 28.4 | -28.3 | 2.3 | 29854 |
| 14 | | 86 | 26.2 | -26.1 | -2.0 | | 84 | 21.1 | -21.0 | -2.0 | | 74 | 25.8 | -24.8 | -7.2 | | 75 | 22.9 | -22.0 | -6.1 | 28821 |
| 16 | | 88 | 17.0 | -17.0 | -.6 | | 89 | 18.1 | -18.0 | -.3 | | 91 | 19.8 | -19.8 | .5 | | 75 | 21.9 | -21.2 | -5.6 | 27934 |
| 18 | | 114 | 17.1 | -15.6 | 6.9 | | 108 | 10.9 | -10.4 | 3.3 | | 75 | 14.1 | -13.6 | -3.6 | | 57 | 9.6 | -8.1 | -5.2 | 27158 |
| 20 | | 260 | 3.2 | 3.2 | .6 | | 195 | 9.2 | 2.4 | 8.9 | | 121 | 1.3 | -1.1 | .7 | | 196 | 3.9 | 1.1 | 3.7 | 26468 |
| 25 | | 247 | 19.6 | 18.1 | 7.7 | | 291 | 11.3 | 10.6 | -4.0 | | 285 | 13.0 | 12.5 | -3.4 | | 290 | 4.2 | 3.9 | -1.5 | 25017 |
| 30 | | 235 | 11.1 | 9.1 | 6.3 | | 271 | 13.9 | 13.9 | -.2 | | 250 | 10.0 | 9.3 | 3.5 | | 297 | 14.4 | 12.8 | -6.6 | 23846 |
| 35 | | 264 | 11.8 | 11.8 | 1.2 | | 237 | 17.1 | 14.3 | 9.3 | | 232 | 13.1 | 10.4 | 8.0 | | 285 | 17.0 | 16.5 | -4.4 | 22866 |
| 40 | | 282 | 14.7 | 14.4 | -3.0 | | 259 | 14.7 | 14.5 | 2.9 | | 256 | 14.5 | 14.1 | 3.5 | | 261 | 20.7 | 20.5 | 3.1 | 22025 |
| 45 | | 268 | 16.1 | 16.1 | .4 | | 262 | 12.0 | 11.9 | 1.8 | | 277 | 15.4 | 15.3 | -1.9 | | 248 | 19.7 | 18.3 | 7.2 | 21288 |
| 50 | | 256 | 18.1 | 17.6 | 4.5 | | 248 | 11.9 | 11.1 | 4.5 | | 267 | 17.8 | 17.8 | .9 | | 239 | 15.8 | 13.5 | 8.2 | 20634 |
| 55 | | 253 | 19.9 | 19.0 | 5.9 | | 249 | 15.2 | 14.2 | 5.5 | | 237 | 16.6 | 13.9 | 9.1 | | 230 | 11.2 | 8.5 | 7.3 | 20047 |
| 60 | | 255 | 19.8 | 19.1 | 5.2 | | 262 | 22.0 | 21.7 | 3.0 | | 252 | 19.4 | 18.5 | 6.0 | | 261 | 13.2 | 13.1 | 2.0 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. CHRISTMAS ISLAND

| | 4/ 7 025 GMT | | | | 4/ 7 1211 GMT | | | | 4/ 7 2335 GMT | | | | 4/ 8 1217 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 71 | 35.8 | -33.8 | -11.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 77 | 34.8 | -33.9 | -7.9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 82 | 34.9 | -34.5 | -5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 83 | 34.0 | -33.8 | -3.9 | 70 | 34.2 | -32.2 | -11.4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 81 | 30.4 | -30.0 | -4.8 | 77 | 26.5 | -25.8 | -6.0 | 0 0 | 0.0 | 0.0 | 0.0 | 78 | 26.2 | -25.7 | -5.3 | 29854 |
| 14 | 90 | 26.7 | -26.7 | -.0 | 86 | 26.7 | -26.6 | -1.8 | 0 0 | 0.0 | 0.0 | 0.0 | 76 | 24.7 | -24.0 | -6.1 | 28821 |
| 16 | 97 | 24.9 | -24.7 | 3.0 | 64 | 20.8 | -18.6 | -9.2 | 84 | 16.6 | -16.5 | -1.8 | 92 | 18.1 | -18.1 | .5 | 27934 |
| 18 | 93 | 16.2 | -16.2 | .8 | 83 | 16.8 | -16.6 | -2.1 | 34 | 2.3 | -1.3 | -1.9 | 99 | 14.1 | -13.9 | 2.3 | 27158 |
| 20 | 80 | 4.2 | -4.2 | -.7 | 56 | 5.7 | -4.7 | -3.1 | 236 | 13.7 | 11.4 | 7.6 | 53 | 10.9 | -8.7 | -6.5 | 26468 |
| 25 | 256 | 8.5 | 8.2 | 2.1 | 240 | 10.4 | 9.0 | 5.2 | 247 | 15.4 | 14.2 | 5.9 | 291 | 11.4 | 10.6 | -4.2 | 25017 |
| 30 | 255 | 5.8 | 5.6 | 1.5 | 281 | 7.5 | 7.3 | -1.5 | 278 | 11.6 | 11.5 | -1.7 | 261 | 19.2 | 18.9 | 3.1 | 23846 |
| 35 | 275 | 11.5 | 11.5 | -1.1 | 238 | 8.7 | 7.3 | 4.6 | 256 | 11.0 | 10.7 | 2.7 | 263 | 18.4 | 18.3 | 2.1 | 22866 |
| 40 | 262 | 11.6 | 11.5 | 1.7 | 274 | 13.8 | 13.8 | -1.0 | 252 | 16.1 | 15.3 | 4.8 | 266 | 13.4 | 13.3 | .9 | 22025 |
| 45 | 269 | 11.6 | 11.6 | .2 | 272 | 13.6 | 13.6 | -.5 | 280 | 13.2 | 13.0 | -2.3 | 286 | 16.4 | 15.7 | -4.5 | 21288 |
| 50 | 258 | 14.1 | 13.8 | 2.9 | 263 | 12.4 | 12.3 | 1.5 | 268 | 13.1 | 13.1 | .5 | 297 | 12.4 | 11.1 | -5.5 | 20634 |
| 55 | 248 | 18.6 | 17.3 | 6.9 | 253 | 11.1 | 10.6 | 3.3 | 243 | 16.1 | 14.4 | 7.2 | 271 | 11.1 | 11.1 | -.1 | 20047 |
| 60 | 251 | 19.7 | 18.6 | 6.5 | 249 | 14.6 | 13.7 | 5.1 | 247 | 17.9 | 16.5 | 6.9 | 243 | 14.8 | 13.2 | 6.7 | 19517 |

| | 4/ 8 2346 GMT | | | | 4/ 9 12 0 GMT | | | | 4/10 1151 GMT | | | | 4/10 2250 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 83 | 36.7 | -36.5 | -4.3 | 85 | 45.9 | -45.7 | -4.1 | 33523 |
| 8 | 87 | 34.5 | -34.4 | -2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 80 | 32.3 | -31.8 | -5.5 | 80 | 36.9 | -36.4 | -6.2 | 32612 |
| 9 | 91 | 31.6 | -31.6 | .5 | 69 | 36.1 | -33.7 | -13.1 | 80 | 31.1 | -30.7 | -5.3 | 84 | 39.7 | -39.5 | -4.5 | 31805 |
| 10 | 93 | 30.3 | -30.3 | 1.3 | 3 76 | 33.0 | -32.0 | -7.9 | 72 | 29.3 | -27.8 | -9.2 | 78 | 32.8 | -32.0 | -6.9 | 31086 |
| 12 | 89 | 31.8 | -31.8 | -.4 | 80 | 33.5 | -33.0 | -5.6 | 78 | 28.0 | -27.4 | -5.9 | 80 | 31.8 | -31.3 | -5.5 | 29854 |
| 14 | 81 | 24.1 | -23.8 | -3.7 | 84 | 30.5 | -30.3 | -3.1 | 75 | 30.6 | -29.5 | -8.0 | 76 | 29.2 | -28.3 | -7.2 | 28821 |
| 16 | 78 | 24.2 | -23.7 | -5.0 | 83 | 22.5 | -22.4 | -2.6 | 83 | 20.8 | -20.6 | -2.5 | 72 | 23.6 | -22.5 | -7.3 | 27934 |
| 18 | 91 | 7.8 | -7.7 | .2 | 87 | 18.0 | -18.0 | -1.0 | 103 | 8.3 | -8.1 | 1.9 | 71 | 11.2 | -10.5 | -3.7 | 27158 |
| 20 | 277 | 7.9 | 7.9 | -.9 | 89 | 14.5 | -14.5 | -.3 | 142 | 9.6 | -5.9 | 7.6 | 132 | 3.9 | -2.9 | 2.6 | 26468 |
| 25 | 294 | 18.6 | 17.0 | -7.6 | 298 | 7.5 | 6.6 | -3.5 | 240 | 13.1 | 11.3 | 6.6 | 254 | 14.4 | 13.9 | 3.9 | 25017 |
| 30 | 273 | 21.1 | 21.0 | -1.2 | 294 | 9.6 | 8.7 | -3.9 | 284 | 14.5 | 14.1 | -3.5 | 228 | 14.6 | 10.8 | 9.8 | 23846 |
| 35 | 252 | 16.1 | 15.3 | 4.9 | 269 | 20.6 | 20.6 | .2 | 267 | 24.1 | 24.0 | 1.4 | 235 | 8.9 | 7.3 | 5.1 | 22866 |
| 40 | 247 | 19.0 | 17.5 | 7.4 | 250 | 15.1 | 14.1 | 5.2 | 262 | 21.0 | 20.8 | 2.8 | 269 | 18.9 | 18.9 | .2 | 22025 |
| 45 | 254 | 15.7 | 15.1 | 4.3 | 259 | 17.6 | 17.2 | 3.4 | 243 | 21.7 | 19.2 | 10.0 | 265 | 17.0 | 16.9 | 1.6 | 21288 |
| 50 | 261 | 16.6 | 16.3 | 2.7 | 265 | 17.2 | 17.2 | 1.4 | 255 | 18.2 | 17.5 | 4.7 | 262 | 17.7 | 17.5 | 2.4 | 20634 |
| 55 | 276 | 13.8 | 13.8 | -1.4 | 257 | 13.5 | 13.2 | 3.0 | 282 | 17.4 | 17.0 | -3.7 | 264 | 15.2 | 15.2 | 1.5 | 20047 |
| 60 | 283 | 15.0 | 14.6 | -3.5 | 300 | 15.3 | 13.3 | -7.7 | 282 | 21.3 | 20.9 | -4.3 | 263 | 13.2 | 13.1 | 1.6 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. CHRISTMAS ISLAND

| P | 4/11 1133 GMT I | DD | FF | U | V | 4/11 2345 GMT I | DD | FF | U | V | 4/12 12 5 GMT I | DD | FF | U | V | 4/13 0 8 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 70 | 33.9 | -31.8 | -11.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 37.4 | -37.2 | -3.5 | | 82 | 34.1 | -33.7 | -4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 3 | 91 | 37.0 | -37.0 | .4 | | 82 | 36.4 | -36.0 | -5.2 | | 77 | 34.4 | -33.5 | -8.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 87 | 35.6 | -35.6 | -2.1 | | 88 | 36.3 | -36.3 | -1.4 | | 86 | 29.6 | -29.5 | -2.1 | | 75 | 26.8 | -25.9 | -7.0 | 31086 |
| 12 | | 81 | 36.5 | -36.1 | -5.4 | | 91 | 35.1 | -35.1 | .7 | | 82 | 29.0 | -28.7 | -3.8 | | 78 | 26.8 | -26.2 | -5.8 | 29854 |
| 14 | | 91 | 31.8 | -31.8 | .7 | | 91 | 34.1 | -34.1 | .7 | | 78 | 33.1 | -32.4 | -6.7 | | 81 | 28.2 | -27.9 | -4.5 | 28821 |
| 16 | | 84 | 25.7 | -25.6 | -2.9 | | 95 | 25.5 | -25.4 | 2.2 | | 82 | 25.5 | -25.3 | -3.4 | | 67 | 23.5 | -21.6 | -9.2 | 27934 |
| 18 | | 49 | 13.6 | -10.3 | -8.9 | | 69 | 17.0 | -15.9 | -6.2 | | 115 | 24.6 | -22.4 | 10.2 | | 120 | 15.9 | -13.8 | 7.8 | 27158 |
| 20 | | 71 | 6.4 | -6.1 | -2.0 | | 53 | 11.9 | -9.4 | -7.2 | | 101 | 18.1 | -17.8 | 3.4 | | 135 | 9.4 | -6.6 | 6.7 | 26468 |
| 25 | | 282 | 11.7 | 11.5 | -2.5 | | 236 | 4.6 | 3.8 | 2.6 | | 302 | 9.1 | 7.8 | -4.8 | | 303 | 9.8 | 8.3 | -5.3 | 25017 |
| 30 | | 234 | 17.9 | 14.5 | 10.5 | | 255 | 16.6 | 16.1 | 4.2 | | 264 | 14.5 | 14.4 | 1.6 | | 279 | 17.7 | 17.5 | -2.6 | 23846 |
| 35 | | 261 | 15.2 | 15.0 | 2.5 | | 270 | 16.0 | 16.0 | -.1 | | 240 | 12.9 | 11.2 | 6.5 | | 252 | 18.9 | 18.0 | 5.7 | 22866 |
| 40 | | 268 | 18.0 | 17.9 | .7 | | 260 | 17.7 | 17.4 | 3.2 | | 239 | 15.3 | 13.1 | 8.0 | | 246 | 23.9 | 21.8 | 9.8 | 22025 |
| 45 | | 255 | 11.7 | 11.3 | 3.0 | | 258 | 20.8 | 20.4 | 4.3 | | 268 | 18.0 | 18.0 | .7 | | 249 | 17.9 | 16.8 | 6.4 | 21288 |
| 50 | | 266 | 15.7 | 15.6 | 1.1 | | 267 | 14.5 | 14.4 | .9 | | 255 | 15.6 | 15.1 | 3.9 | | 253 | 20.6 | 19.6 | 6.1 | 20634 |
| 55 | | 255 | 17.9 | 17.3 | 4.7 | | 250 | 14.4 | 13.5 | 4.9 | | 285 | 17.1 | 16.5 | -4.3 | | 263 | 18.1 | 18.0 | 2.1 | 20047 |
| 60 | | 257 | 14.0 | 13.7 | 3.2 | | 235 | 15.5 | 12.8 | 8.8 | | 269 | 15.3 | 15.3 | .2 | | 268 | 16.6 | 16.5 | .7 | 19517 |

| P | 4/13 1154 GMT I | DD | FF | U | V | 4/13 2235 GMT I | DD | FF | U | V | 4/14 2350 GMT I | DD | FF | U | V | 4/15 1155 GMT I | DD | FF | U | V | HBAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | | 85 | 28.3 | -28.1 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | | 87 | 27.6 | -27.6 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | | 95 | 26.0 | -25.9 | 2.4 | | 86 | 32.8 | -32.7 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | | 83 | 26.5 | -26.3 | -3.3 | | 86 | 29.1 | -29.0 | -1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | | 79 | 26.3 | -25.8 | -4.9 | | 91 | 27.3 | -27.3 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 77 | 31.0 | -30.3 | -6.7 | 29854 |
| 14 | | 72 | 26.5 | -25.2 | -8.3 | | 95 | 29.3 | -29.2 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 84 | 40.5 | -40.3 | -4.0 | 28821 |
| 16 | | 70 | 20.0 | -18.7 | -7.0 | | 73 | 19.3 | -18.4 | -5.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 95 | 29.1 | -28.9 | 2.6 | 27934 |
| 18 | | 81 | 19.2 | -19.0 | -3.1 | | 79 | 14.8 | -14.6 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 92 | 22.3 | -22.3 | 1.0 | 27158 |
| 20 | | 89 | 7.7 | -7.7 | -.2 | | 138 | 4.3 | -2.9 | 3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 56 | 9.8 | -8.1 | -5.6 | 26468 |
| 25 | | 239 | 9.8 | 8.4 | 5.0 | | 275 | 5.6 | 5.6 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 263 | 13.7 | 13.6 | 1.8 | 25017 |
| 30 | | 279 | 10.3 | 10.2 | -1.6 | | 262 | 10.9 | 10.8 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 247 | 11.4 | 10.5 | 4.5 | 23846 |
| 35 | | 264 | 11.7 | 11.6 | 1.3 | | 276 | 16.4 | 16.3 | -1.8 | | 264 | 14.1 | 14.0 | 1.4 | | 259 | 10.8 | 10.6 | 2.1 | 22866 |
| 40 | | 265 | 15.0 | 15.0 | 1.2 | | 269 | 22.1 | 22.1 | .3 | | 278 | 21.6 | 21.4 | -3.1 | | 260 | 14.3 | 14.1 | 2.5 | 22025 |
| 45 | | 240 | 20.5 | 17.8 | 10.1 | | 254 | 26.9 | 25.8 | 7.4 | | 272 | 25.8 | 25.8 | -.7 | | 269 | 24.1 | 24.1 | .2 | 21288 |
| 50 | | 235 | 23.2 | 18.9 | 13.4 | | 261 | 22.5 | 22.2 | 3.7 | | 269 | 20.8 | 20.8 | .3 | | 272 | 23.9 | 23.9 | -1.0 | 20634 |
| 55 | | 254 | 21.6 | 20.8 | 6.0 | | 260 | 15.7 | 15.4 | 2.8 | | 269 | 21.5 | 21.5 | .2 | | 256 | 20.5 | 19.9 | 4.9 | 20047 |
| 60 | | 280 | 17.1 | 16.8 | -2.9 | | 246 | 13.3 | 12.2 | 5.5 | | 265 | 15.4 | 15.4 | 1.3 | | 259 | 22.1 | 21.7 | 4.4 | 19517 |
| P | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB. CHRISTMAS ISLAND

| | 4/15 23 8 GMT | | | | 4/16 1216 GMT | | | | 4/16 2345 GMT | | | | 4/17 1145 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 | 0.0 | 0.0 | 0.0 | 61 | 10.5 | -9.2 | -5.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 | 0.0 | 0.0 | 0.0 | 82 | 43.0 | -42.5 | -6.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 88 | 44.8 | -44.8 | -1.6 | 80 | 40.0 | -39.4 | -7.2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 82 | 45.1 | -44.7 | -6.6 | 0 85 | 35.3 | -35.1 | -3.3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 73 | 36.5 | -34.9 | -10.6 | 81 | 31.5 | -31.1 | -5.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 79 | 39.9 | -39.1 | -7.9 | 78 | 33.5 | -32.8 | -6.8 | 88 | 35.6 | -35.6 | -1.5 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 84 | 38.5 | -38.2 | -4.3 | 99 | 34.8 | -34.4 | 5.3 | 92 | 35.0 | -35.0 | 1.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 83 | 37.6 | -37.3 | -4.8 | 88 | 35.7 | -35.6 | -1.5 | 89 | 29.9 | -29.9 | -.3 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 82 | 34.1 | -33.7 | -4.7 | 83 | 33.7 | -33.5 | -4.1 | 83 | 32.7 | -32.4 | -3.9 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 87 | 38.4 | -38.3 | -2.0 | 76 | 29.4 | -28.5 | -6.9 | 85 | 28.7 | -28.6 | -2.3 | 88 | 28.4 | -28.4 | -1.1 | 29854 |
| 14 | 83 | 28.5 | -28.2 | -3.6 | 73 | 28.8 | -27.5 | -8.5 | 77 | 27.8 | -27.1 | -6.2 | 78 | 23.7 | -23.2 | -4.8 | 28821 |
| 16 | 86 | 26.5 | -26.4 | -1.9 | 80 | 23.6 | -23.2 | -4.1 | 88 | 22.2 | -22.2 | -1.0 | 77 | 26.0 | -25.3 | -6.0 | 27934 |
| 18 | 88 | 25.0 | -25.0 | -.7 | 92 | 19.0 | -19.0 | .6 | 105 | 11.9 | -11.4 | 3.2 | 82 | 21.0 | -20.8 | -2.9 | 27158 |
| 20 | 63 | 15.2 | -13.5 | -7.0 | 89 | 13.6 | -13.6 | -.3 | 154 | 7.4 | -3.2 | 6.7 | 83 | 11.8 | -11.7 | -1.4 | 26468 |
| 25 | 272 | 14.3 | 14.3 | -.4 | 356 | 5.3 | .3 | -5.2 | 276 | 17.4 | 17.3 | -1.7 | 158 | 8.0 | -3.0 | 7.5 | 25017 |
| 30 | 270 | 8.5 | 8.5 | -.0 | 260 | 15.4 | 15.2 | 2.7 | 282 | 9.0 | 8.8 | -1.8 | 276 | 13.8 | 13.7 | -1.5 | 23846 |
| 35 | 287 | 8.7 | 8.3 | -2.6 | 3 285 | 12.0 | 11.5 | -3.2 | 268 | 13.2 | 13.2 | .4 | 248 | 10.4 | 9.7 | 3.8 | 22866 |
| 40 | 265 | 11.8 | 11.7 | 1.0 | 266 | 15.9 | 15.9 | 1.1 | 239 | 14.4 | 12.3 | 7.5 | 290 | 10.2 | 9.5 | -3.5 | 22025 |
| 45 | 268 | 13.9 | 13.9 | .6 | 242 | 16.1 | 14.2 | 7.6 | 250 | 22.1 | 20.8 | 7.6 | 261 | 16.3 | 16.1 | 2.5 | 21288 |
| 50 | 264 | 23.1 | 23.0 | 2.5 | 263 | 22.5 | 22.4 | 2.6 | 263 | 21.6 | 21.4 | 2.5 | 264 | 21.6 | 21.4 | 2.4 | 20634 |
| 55 | 258 | 25.3 | 24.7 | 5.2 | 275 | 21.2 | 21.1 | -1.8 | 262 | 24.3 | 24.1 | 3.2 | 265 | 22.4 | 22.3 | 1.9 | 20047 |
| 60 | 249 | 23.3 | 21.7 | 8.4 | 258 | 26.0 | 25.4 | 5.5 | 258 | 23.6 | 23.1 | 4.8 | 271 | 22.5 | 22.5 | -.4 | 19517 |

| | 4/17 2236 GMT | | | | 4/18 12 7 GMT | | | | 4/18 2340 GMT | | | | 4/19 1149 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 94 | 31.1 | -31.0 | 2.1 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 91 | 26.3 | -26.3 | .2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 75 | 26.8 | -25.9 | -7.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 69 | 27.0 | -25.2 | -9.8 | 85 | 28.6 | -28.4 | -2.5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 76 | 29.6 | -28.8 | -7.0 | 81 | 29.2 | -28.9 | -4.6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 77 | 28.5 | -27.8 | -6.3 | 78 | 29.5 | -28.9 | -6.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 81 | 26.6 | -26.2 | -4.2 | 87 | 25.8 | -25.8 | -1.1 | 81 | 23.4 | -23.1 | -3.6 | 88 | 26.9 | -26.9 | -1.0 | 29854 |
| 14 | 88 | 24.8 | -24.8 | -.7 | 94 | 22.9 | -22.8 | 1.4 | 83 | 17.9 | -17.8 | -2.0 | 74 | 20.6 | -19.9 | -5.5 | 28821 |
| 16 | 72 | 22.4 | -21.3 | -6.9 | 90 | 20.9 | -20.9 | .1 | 69 | 17.3 | -16.1 | -6.1 | 89 | 22.6 | -22.6 | -.2 | 27934 |
| 18 | 86 | 18.2 | -18.1 | -1.3 | 70 | 17.4 | -16.4 | -5.9 | 75 | 16.0 | -15.5 | -4.2 | 93 | 19.6 | -19.6 | 1.2 | 27158 |
| 20 | 82 | 13.4 | -13.2 | -1.8 | 12 | 11.9 | -2.4 | -11.7 | 44 | 11.1 | -7.8 | -8.0 | 80 | 14.2 | -13.9 | -2.6 | 26468 |
| 25 | 207 | 9.1 | 4.1 | 8.2 | 236 | 5.4 | 4.5 | 3.0 | 215 | 11.3 | 6.5 | 9.3 | 254 | 11.2 | 10.8 | 3.1 | 25017 |
| 30 | 261 | 13.0 | 12.8 | 1.9 | 292 | 7.3 | 6.7 | -2.8 | 244 | 11.0 | 9.9 | 4.8 | 282 | 7.0 | 6.8 | -1.4 | 23846 |
| 35 | 213 | 11.2 | 6.0 | 9.4 | 251 | 14.5 | 13.8 | 4.6 | 223 | 12.9 | 8.8 | 9.5 | 243 | 10.9 | 9.7 | 5.0 | 22866 |
| 40 | 283 | 10.6 | 10.3 | -2.4 | 249 | 15.0 | 14.0 | 5.3 | 274 | 12.6 | 12.6 | -.9 | 251 | 13.1 | 12.3 | 4.2 | 22025 |
| 45 | 262 | 13.0 | 12.9 | 1.7 | 259 | 12.9 | 12.7 | 2.3 | 284 | 17.5 | 16.9 | -4.3 | 269 | 10.1 | 10.1 | .1 | 21288 |
| 50 | 262 | 17.4 | 17.2 | 2.5 | 268 | 11.6 | 11.6 | .4 | 264 | 17.9 | 17.8 | 1.7 | 262 | 12.9 | 12.8 | 1.9 | 20634 |
| 55 | 270 | 18.1 | 18.1 | -.1 | 253 | 15.1 | 14.4 | 4.5 | 249 | 17.3 | 16.1 | 6.3 | 257 | 14.5 | 14.1 | 3.2 | 20047 |
| 60 | 274 | 19.2 | 19.2 | -1.2 | 249 | 15.7 | 14.8 | 5.5 | 236 | 18.3 | 15.3 | 10.2 | 263 | 17.4 | 17.3 | 2.1 | 19517 |
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |

LINE ISLANDS EXPERIMENT

WIND DATA ABOVE 60MB.

CHRISTMAS ISLAND

| | 4/19 2246 GMT | | | | 4/20 1215 GMT | | | | 4/20 2340 GMT | | | | 4/21 1210 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | I DD | FF | U | V | HBAR |
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 85 | 35.3 | -35.2 | -3.2 | 0 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 83 | 33.8 | -33.5 | -4.0 | 0 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 0 | 0.0 | 0.0 | 0.0 | 87 | 34.0 | -33.9 | -1.9 | 0 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 84 | 34.0 | -33.9 | -3.3 | 88 | 31.2 | -31.2 | -1.3 | 0 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 87 | 28.1 | -28.1 | -1.3 | 77 | 26.2 | -25.6 | -5.9 | 88 | 25.5 | -25.5 | -.7 | 82 | 28.1 | -27.8 | -3.8 | 29854 |
| 14 | 73 | 20.7 | -19.9 | -6.0 | 86 | 26.6 | -26.5 | -2.1 | 87 | 26.4 | -26.3 | -1.3 | 82 | 24.7 | -24.4 | -3.4 | 28821 |
| 16 | 87 | 18.7 | -18.6 | -1.0 | 86 | 23.1 | -23.0 | -1.5 | 70 | 21.1 | -19.8 | -7.1 | 81 | 22.9 | -22.7 | -3.5 | 27934 |
| 18 | 101 | 15.9 | -15.6 | 3.0 | 86 | 18.7 | -18.7 | -1.4 | 65 | 19.5 | -17.7 | -8.2 | 80 | 17.1 | -16.8 | -3.1 | 27158 |
| 20 | 70 | 5.4 | -5.1 | -1.8 | 114 | 16.6 | -15.2 | 6.6 | 86 | 9.4 | -9.3 | -.6 | 197 | 4.8 | 1.4 | 4.5 | 26468 |
| 25 | 262 | 5.2 | 5.1 | .7 | 14 | 7.0 | -1.7 | -6.8 | 290 | 14.2 | 13.4 | -4.8 | 5 | 7.6 | -.7 | -7.5 | 25017 |
| 30 | 228 | 2.3 | 1.7 | 1.5 | 304 | 7.1 | 5.8 | -4.0 | 261 | 11.2 | 11.1 | 1.8 | 271 | 14.8 | 14.8 | -.3 | 23846 |
| 35 | 248 | 15.7 | 14.6 | 5.8 | 296 | 8.5 | 7.7 | -3.7 | 268 | 6.3 | 6.3 | .2 | 256 | 13.5 | 13.1 | 3.3 | 22866 |
| 40 | 262 | 14.8 | 14.6 | 2.2 | 250 | 18.1 | 17.0 | 6.3 | 230 | 12.0 | 9.2 | 7.7 | 241 | 10.0 | 8.8 | 4.8 | 22025 |
| 45 | 277 | 14.0 | 13.9 | -1.7 | 245 | 18.4 | 16.6 | 7.8 | 232 | 17.8 | 14.0 | 11.0 | 249 | 12.2 | 11.4 | 4.4 | 21288 |
| 50 | 258 | 12.6 | 12.3 | 2.7 | 272 | 13.1 | 13.1 | -.5 | 249 | 11.7 | 11.0 | 4.2 | 259 | 12.7 | 12.5 | 2.4 | 20634 |
| 55 | 249 | 11.9 | 11.1 | 4.3 | 282 | 16.7 | 16.3 | -3.5 | 285 | 14.7 | 14.2 | -3.8 | 278 | 19.2 | 19.0 | -2.8 | 20047 |
| 60 | 251 | 16.0 | 15.2 | 5.1 | 252 | 12.7 | 12.1 | 3.9 | 281 | 13.1 | 12.9 | -2.6 | 271 | 18.4 | 18.4 | -.2 | 19517 |

| | 4/21 2237 GMT | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 42182 |
| 3 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 39493 |
| 4 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 37418 |
| 5 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 35864 |
| 6 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 34599 |
| 7 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 33523 |
| 8 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 32612 |
| 9 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31805 |
| 10 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 31086 |
| 12 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 29854 |
| 14 | 0 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 28821 |
| 16 | 3 87 | 20.5 | -20.5 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27934 |
| 18 | 75 | 13.6 | -13.1 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 27158 |
| 20 | 1 90 | 4.5 | -4.5 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 26468 |
| 25 | 224 | 5.9 | 4.1 | 4.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 25017 |
| 30 | 275 | 13.5 | 13.4 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 23846 |
| 35 | 296 | 12.4 | 11.2 | -5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22866 |
| 40 | 2 254 | 7.9 | 7.6 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 22025 |
| 45 | 272 | 7.8 | 7.8 | -.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 21288 |
| 50 | 256 | 13.8 | 13.4 | 3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20634 |
| 55 | 264 | 13.7 | 13.7 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 20047 |
| 60 | 286 | 17.4 | 16.7 | -4.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 19517 |
| P | I DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | HBAR |

# APPENDIX D: DETAILED LOW LEVEL WIND DATA

Palmyra Island . . . . . .
Fanning Island . . . . . .
Christmas Island . . . . . .
*USC&GSS Surveyor* . . . . . .

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2/25 035 GMT | | | | | 2/25 1258 GMT | | | | | 2/26 017 GMT | | | | | 2/26 12 0 GMT | | | | |
| 2500 | 2 | 98 | 9.5 | -9.4 | 1.4 | 2 | 103 | 9.6 | -9.3 | 2.2 | 2 | 76 | 10.5 | -10.2 | -2.6 | 2 | 81 | 12.7 | -12.6 | -1.9 | 2500 |
| 2250 | 2 | 87 | 10.0 | -10.0 | -.5 | 2 | 102 | 11.2 | -11.0 | 2.3 | 3 | 64 | 12.9 | -11.6 | -5.7 | 2 | 83 | 11.3 | -11.2 | -1.4 | 2250 |
| 2000 | 2 | 75 | 9.5 | -9.2 | -2.4 | 2 | 101 | 12.0 | -11.8 | 2.3 | | 67 | 12.6 | -11.6 | -4.9 | 2 | 90 | 10.0 | -10.0 | .0 | 2000 |
| 1750 | 2 | 74 | 11.1 | -10.7 | -3.1 | 2 | 99 | 11.3 | -11.1 | 1.8 | | 85 | 10.3 | -10.2 | -.9 | 2 | 100 | 9.7 | -9.5 | 1.7 | 1750 |
| 1500 | 2 | 70 | 12.7 | -12.0 | -4.3 | | 93 | 10.5 | -10.4 | .5 | | 99 | 9.5 | -9.4 | 1.6 | | 102 | 10.3 | -10.1 | 2.1 | 1500 |
| 1250 | 3 | 65 | 12.5 | -11.3 | -5.4 | | 84 | 11.4 | -11.4 | -1.1 | | 102 | 10.4 | -10.2 | 2.2 | | 100 | 10.7 | -10.6 | 1.9 | 1250 |
| 1000 | | 65 | 12.3 | -11.1 | -5.3 | | 79 | 12.8 | -12.6 | -2.4 | | 103 | 11.4 | -11.1 | 2.5 | | 107 | 10.0 | -9.6 | 2.9 | 1000 |
| 750 | | 73 | 12.7 | -12.1 | -3.7 | | 75 | 13.0 | -12.6 | -3.3 | | 108 | 10.6 | -10.1 | 3.3 | | 117 | 10.4 | -9.3 | 4.7 | 750 |
| 500 | | 71 | 12.5 | -11.8 | -4.1 | | 71 | 11.5 | -10.8 | -3.8 | | 121 | 10.0 | -8.6 | 5.2 | | 117 | 10.6 | -9.4 | 4.8 | 500 |
| 250 | | 65 | 11.6 | -10.5 | -4.9 | | 65 | 8.6 | -7.8 | -3.6 | | 131 | 10.5 | -8.0 | 6.9 | | 112 | 6.5 | -6.0 | 2.4 | 250 |
| | | 2/27 0 1 GMT | | | | | 2/27 12 0 GMT | | | | | 2/28 0 0 GMT | | | | | 2/28 714 GMT | | | | |
| 2500 | 2 | 99 | 9.8 | -9.7 | 1.6 | 2 | 111 | 12.2 | -11.4 | 4.4 | 2 | 112 | 10.3 | -9.5 | 3.9 | 2 | 101 | 11.7 | -11.5 | 2.2 | 2500 |
| 2250 | 1 | 109 | 9.3 | -8.8 | 3.1 | 2 | 115 | 10.9 | -9.9 | 4.6 | 2 | 103 | 10.1 | -9.8 | 2.2 | 2 | 94 | 10.8 | -10.8 | .7 | 2250 |
| 2000 | 0 | 115 | 9.4 | -8.5 | 4.0 | 2 | 115 | 9.7 | -8.8 | 4.1 | 2 | 100 | 9.9 | -9.8 | 1.7 | 2 | 89 | 9.5 | -9.5 | -.2 | 2000 |
| 1750 | 1 | 110 | 10.5 | -9.9 | 3.5 | 2 | 111 | 9.1 | -8.5 | 3.3 | 2 | 100 | 10.3 | -10.1 | 1.8 | 2 | 92 | 9.1 | -9.1 | .3 | 1750 |
| 1500 | | 108 | 12.0 | -11.5 | 3.7 | 3 | 110 | 9.3 | -8.7 | 3.2 | 2 | 97 | 10.2 | -10.1 | 1.2 | 2 | 96 | 10.1 | -10.0 | 1.1 | 1500 |
| 1250 | | 116 | 12.9 | -11.6 | 5.6 | | 111 | 9.2 | -8.6 | 3.3 | | 99 | 10.2 | -10.1 | 1.5 | | 97 | 11.1 | -11.0 | 1.3 | 1250 |
| 1000 | | 125 | 12.3 | -10.0 | 7.1 | | 110 | 9.2 | -8.7 | 3.2 | | 103 | 10.0 | -9.7 | 2.2 | | 96 | 11.1 | -11.1 | 1.1 | 1000 |
| 750 | | 131 | 10.6 | -8.0 | 7.0 | | 113 | 9.1 | -8.4 | 3.6 | | 104 | 9.3 | -9.0 | 2.2 | | 94 | 10.3 | -10.3 | .7 | 750 |
| 500 | | 133 | 8.9 | -6.5 | 6.1 | | 120 | 8.2 | -7.1 | 4.2 | | 104 | 8.4 | -8.2 | 2.1 | | 89 | 8.7 | -8.7 | -.2 | 500 |
| 250 | | 134 | 8.1 | -5.8 | 5.6 | | 128 | 7.5 | -5.9 | 4.6 | | 102 | 7.1 | -7.0 | 1.5 | | 83 | 8.0 | -7.9 | -1.0 | 250 |
| | | 2/28 1147 GMT | | | | | 2/28 1815 GMT | | | | | 3/ 1 148 GMT | | | | | 3/ 1 550 GMT | | | | |
| 2500 | 2 | 108 | 12.4 | -11.7 | 3.9 | 2 | 106 | 12.3 | -11.8 | 3.3 | 2 | 101 | 8.5 | -8.3 | 1.6 | | 102 | 11.4 | -11.2 | 2.4 | 2500 |
| 2250 | 2 | 99 | 12.1 | -12.0 | 1.8 | 2 | 99 | 11.9 | -11.7 | 1.9 | 2 | 89 | 11.5 | -11.5 | -.2 | | 93 | 11.8 | -11.8 | .7 | 2250 |
| 2000 | 2 | 89 | 11.6 | -11.6 | -.1 | 2 | 94 | 11.0 | -11.0 | .7 | 2 | 85 | 14.1 | -14.0 | -1.3 | 3 | 87 | 11.2 | -11.1 | -.6 | 2000 |
| 1750 | 2 | 86 | 12.1 | -12.0 | -.8 | 3 | 92 | 10.8 | -10.8 | .4 | 2 | 86 | 13.8 | -13.7 | -1.0 | 3 | 82 | 10.9 | -10.8 | -1.4 | 1750 |
| 1500 | 2 | 83 | 11.8 | -11.7 | -1.5 | | 96 | 11.0 | -11.0 | 1.2 | | 90 | 14.1 | -14.1 | -.0 | | 79 | 11.9 | -11.7 | -2.3 | 1500 |
| 1250 | | 78 | 9.9 | -9.7 | -2.0 | | 90 | 10.6 | -10.6 | .0 | | 93 | 15.5 | -15.5 | .7 | | 75 | 13.2 | -12.7 | -3.4 | 1250 |
| 1000 | | 72 | 8.8 | -8.4 | -2.8 | | 74 | 10.6 | -10.2 | -2.9 | | 90 | 15.5 | -15.5 | -.1 | | 69 | 13.5 | -12.6 | -4.9 | 1000 |
| 750 | | 68 | 9.1 | -8.5 | -3.4 | | 72 | 10.6 | -10.1 | -3.3 | | 80 | 14.0 | -13.8 | -2.4 | | 62 | 13.0 | -11.5 | -6.0 | 750 |
| 500 | | 67 | 12.4 | -11.4 | -4.8 | | 74 | 10.8 | -10.4 | -3.1 | | 72 | 12.4 | -11.8 | -3.8 | | 57 | 12.5 | -10.5 | -6.8 | 500 |
| 250 | | 67 | 10.7 | -9.9 | -4.3 | | 70 | 11.9 | -11.1 | -4.1 | | 70 | 11.0 | -10.3 | -3.7 | | 57 | 12.5 | -10.4 | -6.9 | 250 |
| | | 3/ 1 1248 GMT | | | | | 3/ 1 1750 GMT | | | | | 3/ 1 2315 GMT | | | | | 3/ 2 520 GMT | | | | |
| 2500 | | 76 | 10.1 | -9.8 | -2.5 | | 86 | 12.4 | -12.4 | -.8 | | 78 | 10.8 | -10.5 | -2.2 | | 84 | 9.4 | -9.3 | -1.0 | 2500 |
| 2250 | | 84 | 11.0 | -10.9 | -1.2 | | 83 | 13.3 | -13.2 | -1.7 | | 76 | 12.1 | -11.8 | -2.9 | | 82 | 10.0 | -9.9 | -1.5 | 2250 |
| 2000 | | 81 | 14.2 | -14.0 | -2.3 | | 83 | 12.9 | -12.8 | -1.6 | | 78 | 12.6 | -12.3 | -2.5 | | 79 | 12.1 | -11.9 | -2.4 | 2000 |
| 1750 | | 79 | 17.5 | -17.2 | -3.4 | | 85 | 12.2 | -12.1 | -1.1 | | 92 | 12.8 | -12.8 | .5 | | 80 | 12.8 | -12.6 | -2.2 | 1750 |
| 1500 | | 80 | 18.2 | -17.9 | -3.3 | | 87 | 12.9 | -12.9 | -.7 | | 99 | 13.4 | -13.3 | 2.2 | | 83 | 11.9 | -11.8 | -1.5 | 1500 |
| 1250 | | 80 | 17.1 | -16.8 | -3.0 | | 86 | 13.6 | -13.5 | -1.1 | | 91 | 13.5 | -13.4 | .3 | | 84 | 10.9 | -10.9 | -1.2 | 1250 |
| 1000 | | 77 | 15.8 | -15.4 | -3.7 | | 82 | 12.3 | -12.2 | -1.8 | | 82 | 13.5 | -13.4 | -2.0 | | 79 | 11.0 | -10.8 | -2.0 | 1000 |
| 750 | | 71 | 14.9 | -14.1 | -4.9 | | 77 | 10.4 | -10.1 | -2.4 | | 74 | 12.5 | -12.1 | -3.4 | | 73 | 10.8 | -10.3 | -3.2 | 750 |
| 500 | | 66 | 13.8 | -12.6 | -5.6 | | 73 | 9.5 | -9.1 | -2.7 | | 68 | 10.1 | -9.3 | -3.8 | | 66 | 9.0 | -8.3 | -3.6 | 500 |
| 250 | | 62 | 12.2 | -10.8 | -5.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 65 | 8.0 | -7.2 | -3.4 | | 67 | 7.5 | -6.9 | -2.9 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/ 2 1115 GMT | | | | | 3/ 2 1750 GMT | | | | | 3/ 2 2315 GMT | | | | | 3/ 3 530 GMT | | | | |
| 2500 | | 80 | 11.3 | -11.2 | -1.9 | | 55 | 12.1 | -9.9 | -7.0 | 0 | 45 | 5.6 | -3.9 | -3.9 | | 65 | 9.7 | -8.8 | -4.1 | 2500 |
| 2250 | | 79 | 11.1 | -10.8 | -2.2 | | 57 | 11.1 | -9.3 | -6.1 | 0 | 60 | 6.0 | -5.2 | -3.0 | | 73 | 8.9 | -8.5 | -2.6 | 2250 |
| 2000 | 3 | 77 | 10.7 | -10.4 | -2.4 | | 61 | 9.4 | -8.2 | -4.5 | 1 | 74 | 6.2 | -6.0 | -1.7 | | 77 | 8.4 | -8.2 | -2.0 | 2000 |
| 1750 | 3 | 75 | 11.8 | -11.4 | -3.2 | | 70 | 8.3 | -7.8 | -2.9 | 3 | 78 | 7.2 | -7.0 | -1.4 | | 73 | 7.4 | -7.0 | -2.2 | 1750 |
| 1500 | | 72 | 13.6 | -12.9 | -4.1 | | 80 | 8.3 | -8.1 | -1.4 | | 74 | 8.4 | -8.1 | -2.2 | | 74 | 6.1 | -5.9 | -1.7 | 1500 |
| 1250 | | 71 | 13.5 | -12.7 | -4.5 | | 85 | 8.5 | -8.4 | -.8 | | 81 | 7.7 | -7.6 | -1.2 | | 85 | 6.0 | -6.0 | -.5 | 1250 |
| 1000 | | 68 | 12.2 | -11.3 | -4.6 | | 84 | 8.5 | -8.4 | -.9 | | 93 | 7.1 | -7.1 | .4 | | 90 | 6.9 | -6.9 | -.0 | 1000 |
| 750 | | 65 | 11.7 | -10.6 | -4.9 | | 86 | 8.7 | -8.7 | -.6 | | 95 | 7.1 | -7.1 | .7 | | 87 | 7.5 | -7.4 | -.4 | 750 |
| 500 | | 63 | 11.2 | -10.0 | -5.0 | | 93 | 9.2 | -9.2 | .5 | | 98 | 6.5 | -6.4 | .9 | | 86 | 6.9 | -6.8 | -.4 | 500 |
| 250 | | 61 | 9.6 | -8.4 | -4.7 | | 98 | 9.2 | -9.2 | 1.2 | | 120 | 8.3 | -7.1 | 4.2 | | 92 | 4.9 | -4.8 | .1 | 250 |
| | | 3/ 3 1130 GMT | | | | | 3/ 3 15 0 GMT | | | | | 3/ 3 18 0 GMT | | | | | 3/ 3 2043 GMT | | | | |
| 2500 | | 87 | 9.9 | -9.9 | -.5 | 3 | 86 | 10.4 | -10.4 | -.7 | | 83 | 8.2 | -8.2 | -1.0 | | 70 | 7.1 | -6.7 | -2.4 | 2500 |
| 2250 | | 87 | 9.7 | -9.7 | -.6 | | 90 | 10.4 | -10.4 | .0 | | 86 | 8.4 | -8.3 | -.6 | | 87 | 7.2 | -7.2 | -.4 | 2250 |
| 2000 | | 84 | 9.8 | -9.7 | -1.0 | | 93 | 9.5 | -9.5 | .4 | | 89 | 7.7 | -7.7 | -.1 | | 96 | 7.6 | -7.6 | .9 | 2000 |
| 1750 | | 89 | 9.8 | -9.8 | -.1 | | 94 | 8.4 | -8.4 | .6 | | 95 | 6.6 | -6.6 | .5 | | 95 | 7.3 | -7.3 | .6 | 1750 |
| 1500 | | 99 | 9.1 | -9.0 | 1.4 | | 99 | 7.7 | -7.6 | 1.3 | | 100 | 6.0 | -5.9 | 1.0 | | 100 | 5.9 | -5.8 | 1.0 | 1500 |
| 1250 | | 105 | 7.8 | -7.5 | 2.1 | | 108 | 7.7 | -7.3 | 2.4 | | 106 | 6.0 | -5.7 | 1.6 | | 113 | 5.7 | -5.2 | 2.2 | 1250 |
| 1000 | | 106 | 6.7 | -6.5 | 1.9 | | 108 | 7.7 | -7.3 | 2.4 | | 112 | 6.2 | -5.7 | 2.4 | | 113 | 6.0 | -5.5 | 2.3 | 1000 |
| 750 | | 115 | 6.6 | -6.0 | 2.8 | | 99 | 6.9 | -6.8 | 1.1 | | 113 | 6.2 | -5.7 | 2.5 | | 108 | 5.3 | -5.0 | 1.7 | 750 |
| 500 | | 129 | 6.4 | -5.0 | 4.0 | | 93 | 5.1 | -5.1 | .3 | | 107 | 6.2 | -5.9 | 1.8 | | 106 | 4.5 | -4.3 | 1.2 | 500 |
| 250 | | 143 | 4.5 | -2.7 | 3.6 | | 115 | 2.8 | -2.5 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 104 | 4.1 | -4.0 | 1.0 | 250 |
| | | 3/ 3 2332 GMT | | | | | 3/ 4 3 0 GMT | | | | | 3/ 4 515 GMT | | | | | 3/ 4 9 0 GMT | | | | |
| 2500 | | 81 | 8.3 | -8.2 | -1.3 | | 71 | 6.1 | -5.8 | -2.0 | | 82 | 6.7 | -6.7 | -1.0 | | 104 | 7.3 | -7.1 | 1.8 | 2500 |
| 2250 | | 84 | 9.1 | -9.0 | -.9 | | 79 | 5.8 | -5.7 | -1.1 | | 78 | 6.8 | -6.7 | -1.5 | | 106 | 6.6 | -6.4 | 1.8 | 2250 |
| 2000 | | 76 | 7.4 | -7.2 | -1.8 | | 91 | 5.6 | -5.6 | .1 | | 78 | 6.9 | -6.7 | -1.4 | | 105 | 6.7 | -6.4 | 1.7 | 2000 |
| 1750 | | 70 | 6.2 | -5.8 | -2.1 | | 102 | 5.1 | -5.0 | 1.1 | | 85 | 6.0 | -6.0 | -.5 | | 104 | 6.7 | -6.5 | 1.6 | 1750 |
| 1500 | | 79 | 5.8 | -5.7 | -1.1 | | 100 | 4.8 | -4.7 | .8 | | 93 | 5.1 | -5.1 | .3 | | 97 | 6.8 | -6.7 | .9 | 1500 |
| 1250 | | 98 | 5.3 | -5.2 | .7 | | 88 | 5.7 | -5.6 | -.2 | | 88 | 4.9 | -4.9 | -.2 | | 88 | 7.2 | -7.1 | -.3 | 1250 |
| 1000 | | 117 | 5.3 | -4.7 | 2.4 | | 88 | 6.7 | -6.7 | -.2 | | 88 | 5.9 | -5.9 | -.2 | | 82 | 7.1 | -7.1 | -.9 | 1000 |
| 750 | | 124 | 5.5 | -4.6 | 3.1 | | 99 | 6.9 | -6.9 | 1.0 | | 102 | 5.6 | -5.5 | 1.2 | | 79 | 6.9 | -6.8 | -1.3 | 750 |
| 500 | | 125 | 5.0 | -4.1 | 2.9 | | 111 | 6.9 | -6.4 | 2.4 | | 105 | 4.5 | -4.3 | 1.2 | | 69 | 7.5 | -7.0 | -2.6 | 500 |
| 250 | | 122 | 3.0 | -2.6 | 1.6 | | 103 | 5.3 | -5.1 | 1.2 | | 90 | 4.2 | -4.2 | -.0 | | 62 | 8.1 | -7.1 | -3.8 | 250 |
| | | 3/ 4 1130 GMT | | | | | 3/ 4 18 0 GMT | | | | | 3/ 4 2335 GMT | | | | | 3/ 5 535 GMT | | | | |
| 2500 | | 83 | 9.1 | -9.0 | -1.0 | | 81 | 14.6 | -14.4 | -2.2 | | 76 | 10.2 | -9.8 | -2.5 | | 86 | 8.9 | -8.9 | -.7 | 2500 |
| 2250 | | 90 | 7.3 | -7.3 | .1 | | 85 | 13.2 | -13.2 | -1.2 | | 80 | 9.1 | -9.0 | -1.7 | | 87 | 9.6 | -9.6 | -.4 | 2250 |
| 2000 | | 92 | 5.2 | -5.2 | .2 | | 88 | 12.2 | -12.2 | -.4 | | 82 | 8.0 | -7.9 | -1.1 | | 91 | 9.8 | -9.8 | .2 | 2000 |
| 1750 | | 93 | 5.3 | -5.3 | .3 | | 88 | 11.8 | -11.8 | -.5 | | 94 | 8.0 | -7.9 | .5 | | 96 | 10.1 | -10.0 | 1.1 | 1750 |
| 1500 | | 91 | 6.3 | -6.3 | .1 | | 85 | 11.1 | -11.1 | -1.0 | | 105 | 8.6 | -8.3 | 2.2 | | 96 | 10.5 | -10.5 | 1.1 | 1500 |
| 1250 | | 84 | 7.1 | -7.1 | -.7 | | 82 | 11.3 | -11.2 | -1.6 | | 105 | 8.7 | -8.4 | 2.2 | | 93 | 10.1 | -10.1 | .4 | 1250 |
| 1000 | | 81 | 8.2 | -8.1 | -1.4 | | 80 | 11.8 | -11.6 | -2.1 | | 101 | 9.0 | -8.8 | 1.7 | | 88 | 10.3 | -10.3 | -.3 | 1000 |
| 750 | | 82 | 9.4 | -9.3 | -1.3 | | 75 | 14.0 | -13.6 | -3.6 | | 103 | 9.0 | -8.8 | 2.1 | | 85 | 10.2 | -10.2 | -1.0 | 750 |
| 500 | | 82 | 9.6 | -9.5 | -1.3 | | 71 | 15.6 | -14.8 | -5.1 | | 110 | 8.2 | -7.7 | 2.8 | | 85 | 9.1 | -9.1 | -.8 | 500 |
| 250 | | 77 | 9.2 | -8.9 | -2.0 | | 62 | 6.2 | -5.5 | -2.9 | | 115 | 6.4 | -5.8 | 2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/ 5 1150 GMT | | | | | 3/ 5 1835 GMT | | | | | 3/ 6 012 GMT | | | | | 3/ 6 6 5 GMT | | | | |
| 2500 | | 118 | 3.4 | -3.0 | 1.6 | | 111 | 8.1 | -7.6 | 3.0 | | 92 | 15.0 | -15.0 | .5 | | 95 | 8.4 | -8.3 | .8 | 2500 |
| 2250 | | 100 | 8.8 | -8.6 | 1.5 | | 120 | 8.7 | -7.5 | 4.4 | | 97 | 15.2 | -15.1 | 1.8 | | 94 | 9.3 | -9.3 | .6 | 2250 |
| 2000 | | 96 | 13.3 | -13.2 | 1.4 | | 106 | 10.1 | -9.7 | 2.9 | | 92 | 15.7 | -15.7 | .5 | | 91 | 9.8 | -9.8 | .1 | 2000 |
| 1750 | | 93 | 14.4 | -14.4 | .9 | | 99 | 10.8 | -10.7 | 1.7 | | 86 | 14.1 | -14.1 | -.9 | | 85 | 10.6 | -10.5 | -.8 | 1750 |
| 1500 | | 90 | 13.2 | -13.2 | -.0 | | 97 | 10.9 | -10.8 | 1.2 | | 82 | 12.8 | -12.7 | -1.7 | | 87 | 11.1 | -11.1 | -.5 | 1500 |
| 1250 | | 86 | 11.1 | -11.1 | -.7 | | 93 | 10.1 | -10.1 | .4 | | 80 | 12.5 | -12.3 | -2.1 | | 93 | 11.1 | -11.1 | .7 | 1250 |
| 1000 | | 86 | 9.7 | -9.7 | -.7 | | 85 | 9.2 | -9.2 | -.8 | | 81 | 12.6 | -12.4 | -2.0 | | 94 | 10.7 | -10.6 | .8 | 1000 |
| 750 | | 86 | 9.8 | -9.8 | -.7 | | 77 | 9.2 | -9.0 | -2.0 | | 82 | 12.1 | -12.0 | -1.6 | | 86 | 10.1 | -10.0 | -.7 | 750 |
| 500 | | 86 | 9.9 | -9.9 | -.7 | | 71 | 9.1 | -8.6 | -3.0 | | 82 | 10.4 | -10.3 | -1.5 | | 74 | 9.9 | -9.5 | -2.7 | 500 |
| 250 | | 88 | 8.7 | -8.7 | -.4 | | 69 | 8.5 | -7.9 | -3.1 | | 73 | 7.8 | -7.5 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/ 6 1115 GMT | | | | | 3/ 6 15 0 GMT | | | | | 3/ 6 1845 GMT | | | | | 3/ 6 2150 GMT | | | | |
| 2500 | | 99 | 9.1 | -9.0 | 1.4 | | 106 | 8.1 | -7.8 | 2.3 | | 97 | 9.5 | -9.4 | 1.1 | | 89 | 7.9 | -7.9 | -.2 | 2500 |
| 2250 | | 96 | 10.3 | -10.2 | 1.1 | | 97 | 7.6 | -7.5 | 1.0 | | 93 | 10.2 | -10.2 | .5 | | 86 | 7.9 | -7.9 | -.5 | 2250 |
| 2000 | | 94 | 11.1 | -11.1 | .8 | | 88 | 7.9 | -7.8 | -.3 | | 90 | 9.3 | -9.3 | .1 | | 92 | 7.9 | -7.9 | .2 | 2000 |
| 1750 | | 84 | 10.7 | -10.6 | -1.1 | | 87 | 9.5 | -9.5 | -.5 | | 92 | 8.6 | -8.6 | .4 | | 92 | 8.7 | -8.7 | .3 | 1750 |
| 1500 | | 72 | 9.8 | -9.4 | -3.0 | | 91 | 11.3 | -11.3 | .1 | | 96 | 9.0 | -8.9 | 1.0 | | 90 | 9.3 | -9.3 | -.1 | 1500 |
| 1250 | | 74 | 10.6 | -10.2 | -2.9 | | 93 | 12.1 | -12.1 | .6 | | 100 | 9.4 | -9.2 | 1.6 | | 93 | 10.1 | -10.1 | .5 | 1250 |
| 1000 | | 72 | 11.3 | -10.8 | -3.4 | | 92 | 11.2 | -11.2 | .5 | | 103 | 9.4 | -9.1 | 2.2 | | 96 | 11.6 | -11.5 | 1.2 | 1000 |
| 750 | | 72 | 10.1 | -9.6 | -3.2 | | 89 | 9.0 | -9.0 | -.1 | | 105 | 10.0 | -9.6 | 2.6 | | 99 | 13.3 | -13.1 | 2.0 | 750 |
| 500 | | 71 | 8.4 | -7.9 | -2.7 | | 82 | 6.8 | -6.7 | -.9 | | 105 | 10.3 | -9.9 | 2.7 | | 102 | 13.6 | -13.3 | 2.9 | 500 |
| 250 | | 69 | 8.4 | -7.9 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 106 | 11.4 | -11.0 | 3.1 | 250 |
| | | 3/ 6 2340 GMT | | | | | 3/ 7 350 GMT | | | | | 3/ 7 850 GMT | | | | | 3/ 7 1115 GMT | | | | |
| 2500 | | 71 | 7.4 | -7.0 | -2.4 | | 93 | 8.2 | -8.1 | .5 | | 84 | 8.8 | -8.8 | -.9 | | 90 | 6.0 | -6.0 | -.0 | 2500 |
| 2250 | | 76 | 8.5 | -8.3 | -2.1 | | 85 | 9.6 | -9.5 | -.8 | | 74 | 9.6 | -9.2 | -2.6 | | 83 | 8.0 | -7.9 | -1.0 | 2250 |
| 2000 | | 83 | 9.7 | -9.7 | -1.2 | | 91 | 11.4 | -11.4 | .3 | | 75 | 10.1 | -9.7 | -2.7 | | 81 | 11.4 | -11.2 | -1.8 | 2000 |
| 1750 | | 88 | 10.7 | -10.7 | -.3 | | 94 | 13.0 | -13.0 | .8 | | 82 | 13.2 | -13.1 | -1.8 | | 83 | 11.8 | -11.7 | -1.4 | 1750 |
| 1500 | | 88 | 11.0 | -11.0 | -.4 | | 89 | 13.0 | -13.0 | -.3 | | 87 | 15.3 | -15.2 | -.9 | | 89 | 11.0 | -11.0 | -.1 | 1500 |
| 1250 | | 84 | 11.1 | -11.0 | -1.1 | | 87 | 12.6 | -12.6 | -.6 | | 90 | 14.5 | -14.5 | -.1 | | 93 | 11.5 | -11.5 | .5 | 1250 |
| 1000 | | 86 | 11.6 | -11.6 | -.9 | | 91 | 13.3 | -13.3 | .2 | | 92 | 13.5 | -13.5 | .4 | | 91 | 12.4 | -12.4 | .1 | 1000 |
| 750 | | 91 | 12.1 | -12.1 | .3 | | 94 | 12.2 | -12.2 | .8 | | 93 | 10.9 | -10.9 | .6 | | 90 | 12.1 | -12.1 | .0 | 750 |
| 500 | | 97 | 11.2 | -11.2 | 1.3 | | 93 | 9.1 | -9.0 | .5 | | 92 | 8.3 | -8.3 | .2 | | 93 | 9.8 | -9.8 | .5 | 500 |
| 250 | | 102 | 10.2 | -10.0 | 2.0 | | 93 | 8.3 | -8.3 | .5 | | 84 | 8.1 | -8.0 | -.9 | | 93 | 8.3 | -8.3 | .4 | 250 |
| | | 3/ 8 1135 GMT | | | | | 3/ 8 1528 GMT | | | | | 3/ 8 1728 GMT | | | | | 3/ 8 2040 GMT | | | | |
| 2500 | | 100 | 10.2 | -10.0 | 1.8 | | 94 | 8.2 | -8.2 | .6 | | 99 | 8.8 | -8.6 | 1.4 | | 101 | 6.7 | -6.5 | 1.3 | 2500 |
| 2250 | | 94 | 12.5 | -12.5 | .9 | | 95 | 11.3 | -11.3 | .9 | | 92 | 10.7 | -10.7 | .4 | | 94 | 8.9 | -8.9 | .6 | 2250 |
| 2000 | | 88 | 12.7 | -12.7 | -.4 | | 95 | 14.0 | -13.9 | 1.1 | | 94 | 12.6 | -12.5 | .9 | | 95 | 12.6 | -12.6 | 1.1 | 2000 |
| 1750 | | 84 | 11.6 | -11.5 | -1.3 | | 94 | 14.6 | -14.6 | 1.1 | | 97 | 13.7 | -13.6 | 1.7 | | 99 | 15.8 | -15.6 | 2.5 | 1750 |
| 1500 | | 86 | 13.1 | -13.1 | -.9 | | 95 | 14.7 | -14.6 | 1.4 | | 95 | 14.4 | -14.3 | 1.3 | | 100 | 17.6 | -17.3 | 3.0 | 1500 |
| 1250 | | 91 | 14.4 | -14.4 | .3 | | 95 | 14.7 | -14.6 | 1.4 | | 92 | 14.5 | -14.5 | .5 | | 97 | 17.6 | -17.5 | 2.2 | 1250 |
| 1000 | | 93 | 14.4 | -14.4 | .8 | | 92 | 13.7 | -13.7 | .4 | | 91 | 14.4 | -14.4 | .3 | | 93 | 14.6 | -14.6 | .7 | 1000 |
| 750 | | 89 | 14.3 | -14.3 | -.2 | | 86 | 12.2 | -12.2 | -.8 | | 90 | 14.1 | -14.1 | -.0 | | 89 | 11.6 | -11.6 | -.3 | 750 |
| 500 | | 83 | 11.7 | -11.6 | -1.5 | | 80 | 10.9 | -10.7 | -1.9 | | 88 | 13.6 | -13.6 | -.5 | | 89 | 11.0 | -11.0 | -.2 | 500 |
| 250 | | 78 | 9.5 | -9.3 | -1.9 | | 72 | 10.3 | -9.8 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 10.1 | -10.1 | .2 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/ 8 2315 GMT | | | | | 3/ 9 217 GMT | | | | | 3/ 9 855 GMT | | | | | 3/ 9 1125 GMT | | | | |
| 2500 | | 87 | 7.6 | -7.6 | -.4 | | 70 | 6.0 | -5.6 | -2.0 | | 59 | 5.8 | -5.0 | -3.0 | | 63 | 7.3 | -6.5 | -3.3 | 2500 |
| 2250 | | 88 | 11.3 | -11.3 | -.4 | | 80 | 9.2 | -9.0 | -1.6 | | 66 | 8.0 | -7.4 | -3.3 | | 75 | 9.5 | -9.2 | -2.5 | 2250 |
| 2000 | | 93 | 12.9 | -12.9 | .7 | | 89 | 11.8 | -11.8 | -.3 | | 78 | 11.6 | -11.3 | -2.5 | | 80 | 11.0 | -10.8 | -1.9 | 2000 |
| 1750 | | 93 | 14.1 | -14.1 | .6 | | 90 | 13.7 | -13.7 | .0 | | 86 | 13.2 | -13.1 | -.8 | | 86 | 11.7 | -11.6 | -.8 | 1750 |
| 1500 | | 92 | 14.1 | -14.1 | .4 | | 86 | 13.7 | -13.7 | -.9 | | 89 | 13.1 | -13.1 | -.2 | | 94 | 11.6 | -11.6 | .9 | 1500 |
| 1250 | | 94 | 13.2 | -13.2 | 1.0 | | 86 | 13.2 | -13.2 | -.9 | | 88 | 13.3 | -13.2 | -.5 | | 96 | 10.9 | -10.8 | 1.2 | 1250 |
| 1000 | | 96 | 12.9 | -12.8 | 1.3 | | 88 | 13.5 | -13.5 | -.5 | | 88 | 12.9 | -12.9 | -.4 | | 88 | 11.4 | -11.4 | -.3 | 1000 |
| 750 | | 95 | 13.5 | -13.4 | 1.2 | | 86 | 12.7 | -12.7 | -.9 | | 86 | 13.7 | -13.7 | -.9 | | 83 | 12.3 | -12.3 | -1.5 | 750 |
| 500 | | 91 | 12.4 | -12.4 | .3 | | 82 | 10.9 | -10.8 | -1.5 | | 83 | 14.4 | -14.2 | -1.9 | | 82 | 12.0 | -11.9 | -1.6 | 500 |
| 250 | | 88 | 10.7 | -10.7 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 83 | 13.7 | -13.6 | -1.7 | | 81 | 11.7 | -11.6 | -1.9 | 250 |
| | | 3/ 9 1814 GMT | | | | | 3/ 9 2350 GMT | | | | | 3/10 6 0 GMT | | | | | 3/10 1135 GMT | | | | |
| 2500 | | 71 | 6.2 | -5.8 | -2.0 | | 93 | 4.9 | -4.9 | .2 | | 121 | 2.6 | -2.2 | 1.3 | | 192 | .8 | .2 | .7 | 2500 |
| 2250 | | 93 | 8.1 | -8.1 | .5 | | 103 | 7.4 | -7.2 | 1.6 | | 118 | 5.7 | -5.1 | 2.7 | | 144 | 3.3 | -1.9 | 2.7 | 2250 |
| 2000 | | 106 | 9.0 | -8.6 | 2.5 | | 104 | 9.8 | -9.5 | 2.3 | | 116 | 9.2 | -8.2 | 4.0 | | 133 | 7.1 | -5.2 | 4.8 | 2000 |
| 1750 | | 104 | 8.6 | -8.3 | 2.1 | | 98 | 13.3 | -13.2 | 1.8 | | 115 | 11.7 | -10.6 | 4.9 | | 123 | 9.6 | -8.1 | 5.2 | 1750 |
| 1500 | | 98 | 9.2 | -9.1 | 1.3 | | 95 | 16.2 | -16.2 | 1.4 | | 111 | 13.3 | -12.4 | 4.8 | | 113 | 10.6 | -9.8 | 4.1 | 1500 |
| 1250 | | 99 | 11.6 | -11.4 | 1.7 | | 96 | 17.1 | -17.0 | 1.7 | | 105 | 14.2 | -13.7 | 3.6 | | 104 | 11.4 | -11.1 | 2.7 | 1250 |
| 1000 | | 97 | 13.6 | -13.5 | 1.6 | | 92 | 15.8 | -15.8 | .5 | | 99 | 14.3 | -14.1 | 2.1 | | 96 | 12.0 | -11.9 | 1.3 | 1000 |
| 750 | | 91 | 13.9 | -13.9 | .2 | | 81 | 13.6 | -13.5 | -2.1 | | 93 | 13.1 | -13.1 | .7 | | 89 | 11.9 | -11.9 | -.2 | 750 |
| 500 | | 85 | 12.3 | -12.3 | -1.0 | | 72 | 12.4 | -11.8 | -3.9 | | 87 | 10.8 | -10.8 | -.7 | | 81 | 11.2 | -11.1 | -1.8 | 500 |
| 250 | | 84 | 10.7 | -10.6 | -1.0 | | 71 | 12.7 | -12.0 | -4.2 | | 81 | 8.9 | -8.8 | -1.4 | | 76 | 10.5 | -10.2 | -2.5 | 250 |
| | | 3/10 15 0 GMT | | | | | 3/10 1750 GMT | | | | | 3/10 2023 GMT | | | | | 3/10 2335 GMT | | | | |
| 2500 | | 166 | 3.9 | -.9 | 3.8 | | 171 | 5.9 | -.9 | 5.8 | | 170 | 6.7 | -1.2 | 6.6 | | 150 | 7.8 | -3.9 | 6.7 | 2500 |
| 2250 | | 145 | 5.8 | -3.3 | 4.8 | | 152 | 7.8 | -3.7 | 6.9 | | 141 | 7.4 | -4.7 | 5.7 | | 141 | 8.2 | -5.2 | 6.4 | 2250 |
| 2000 | | 134 | 7.4 | -5.4 | 5.1 | | 132 | 8.1 | -6.1 | 5.4 | | 114 | 7.5 | -6.9 | 3.1 | | 135 | 7.8 | -5.5 | 5.5 | 2000 |
| 1750 | | 125 | 8.1 | -6.7 | 4.6 | | 110 | 8.7 | -8.2 | 2.9 | | 105 | 9.8 | -9.5 | 2.5 | | 128 | 8.1 | -6.4 | 5.0 | 1750 |
| 1500 | | 116 | 8.7 | -7.8 | 3.8 | | 96 | 9.9 | -9.8 | 1.1 | | 105 | 10.7 | -10.3 | 2.8 | | 114 | 9.5 | -8.7 | 3.9 | 1500 |
| 1250 | | 106 | 9.3 | -8.9 | 2.6 | | 91 | 10.8 | -10.8 | .2 | | 100 | 11.4 | -11.2 | 2.0 | | 100 | 10.8 | -10.7 | 1.8 | 1250 |
| 1000 | | 93 | 9.7 | -9.7 | .5 | | 88 | 11.6 | -11.6 | -.4 | | 91 | 12.0 | -12.0 | .2 | | 87 | 11.1 | -11.1 | -.6 | 1000 |
| 750 | | 79 | 9.8 | -9.6 | -1.9 | | 83 | 12.1 | -12.0 | -1.4 | | 81 | 10.5 | -10.4 | -1.6 | | 72 | 10.5 | -10.0 | -3.2 | 750 |
| 500 | | 67 | 9.2 | -8.5 | -3.6 | | 76 | 11.4 | -11.1 | -2.8 | | 70 | 9.0 | -8.5 | -3.0 | | 59 | 9.2 | -7.9 | -4.8 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 69 | 9.5 | -8.8 | -3.4 | | 65 | 9.3 | -8.5 | -3.9 | | 52 | 8.0 | -6.3 | -5.0 | 250 |
| | | 3/11 325 GMT | | | | | 3/11 555 GMT | | | | | 3/11 835 GMT | | | | | 3/11 1810 GMT | | | | |
| 2500 | | 111 | 8.3 | -7.8 | 3.0 | | 137 | 9.0 | -6.1 | 6.6 | | 125 | 10.3 | -8.4 | 6.0 | | 123 | 12.8 | -10.8 | 7.0 | 2500 |
| 2250 | | 107 | 9.3 | -8.9 | 2.7 | | 119 | 8.7 | -7.6 | 4.2 | | 127 | 11.7 | -9.3 | 7.1 | | 128 | 11.7 | -9.3 | 7.2 | 2250 |
| 2000 | | 116 | 10.2 | -9.1 | 4.5 | | 103 | 7.3 | -7.1 | 1.6 | | 117 | 11.9 | -10.6 | 5.4 | | 123 | 11.4 | -9.5 | 6.2 | 2000 |
| 1750 | | 124 | 11.2 | -9.3 | 6.3 | | 97 | 6.9 | -6.8 | .8 | | 101 | 11.7 | -11.5 | 2.3 | | 110 | 11.1 | -10.4 | 3.9 | 1750 |
| 1500 | | 117 | 11.5 | -10.2 | 5.3 | | 97 | 6.9 | -6.9 | .8 | | 91 | 10.6 | -10.6 | .3 | | 98 | 10.4 | -10.3 | 1.4 | 1500 |
| 1250 | | 102 | 11.6 | -11.3 | 2.4 | | 94 | 7.1 | -7.1 | .5 | | 84 | 11.8 | -11.8 | -1.3 | | 89 | 9.7 | -9.7 | -.2 | 1250 |
| 1000 | | 86 | 10.8 | -10.8 | -.7 | | 84 | 8.4 | -8.3 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 80 | 10.1 | -10.0 | -1.7 | 1000 |
| 750 | | 71 | 9.7 | -9.1 | -3.2 | | 76 | 10.7 | -10.4 | -2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 76 | 11.1 | -10.8 | -2.6 | 750 |
| 500 | | 57 | 9.6 | -8.0 | -5.2 | | 73 | 11.8 | -11.2 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 79 | 11.4 | -11.2 | -2.1 | 500 |
| 250 | | 40 | 11.6 | -7.5 | -8.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 11.7 | -11.6 | -.8 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/11 2355 GMT | | | | | 3/12 535 GMT | | | | | 3/12 1155 GMT | | | | | 3/12 1810 GMT | | | | |
| 2500 | | 98 | 6.8 | -6.7 | 1.0 | | 90 | 7.9 | -7.9 | .0 | | 83 | 7.6 | -7.6 | -1.0 | | 81 | 9.1 | -8.9 | -1.5 | 2500 |
| 2250 | | 101 | 9.6 | -9.4 | 1.8 | | 96 | 9.3 | -9.2 | 1.0 | | 81 | 7.9 | -7.8 | -1.3 | | 80 | 9.3 | -9.2 | -1.6 | 2250 |
| 2000 | | 96 | 11.9 | -11.8 | 1.3 | | 100 | 10.0 | -9.8 | 1.7 | | 80 | 9.6 | -9.5 | -1.6 | | 84 | 10.3 | -10.2 | -1.1 | 2000 |
| 1750 | | 93 | 13.0 | -12.9 | .7 | | 99 | 10.5 | -10.4 | 1.6 | | 86 | 11.4 | -11.4 | -.7 | | 92 | 10.8 | -10.8 | .4 | 1750 |
| 1500 | | 91 | 13.0 | -13.0 | .3 | | 99 | 10.9 | -10.8 | 1.6 | | 92 | 12.0 | -12.0 | .5 | | 100 | 11.1 | -10.9 | 2.0 | 1500 |
| 1250 | | 92 | 12.3 | -12.3 | .5 | | 102 | 11.4 | -11.2 | 2.3 | | 94 | 11.8 | -11.8 | .8 | | 103 | 11.2 | -10.9 | 2.5 | 1250 |
| 1000 | | 100 | 12.9 | -12.7 | 2.3 | | 105 | 11.7 | -11.3 | 3.1 | | 92 | 11.9 | -11.8 | .4 | | 98 | 10.8 | -10.7 | 1.5 | 1000 |
| 750 | | 105 | 13.5 | -13.0 | 3.6 | | 106 | 10.4 | -10.0 | 2.8 | | 87 | 11.6 | -11.6 | -.6 | | 92 | 10.1 | -10.1 | .3 | 750 |
| 500 | | 102 | 10.1 | -9.8 | 2.0 | | 103 | 8.3 | -8.1 | 1.9 | | 81 | 10.5 | -10.4 | -1.7 | | 87 | 9.4 | -9.4 | -.5 | 500 |
| 250 | | 95 | 6.7 | -6.7 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 82 | 10.1 | -9.9 | -1.5 | | 81 | 9.4 | -9.3 | -1.5 | 250 |
| | | 3/12 2351 GMT | | | | | 3/13 555 GMT | | | | | 3/16 255 GMT | | | | | 3/16 1130 GMT | | | | |
| 2500 | | 84 | 9.0 | -8.9 | -1.0 | | 86 | 11.1 | -11.0 | -.8 | | 111 | 7.6 | -7.1 | 2.7 | | 93 | 7.0 | -7.0 | .4 | 2500 |
| 2250 | | 73 | 9.5 | -9.1 | -2.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 109 | 7.5 | -7.0 | 2.5 | | 90 | 6.9 | -6.9 | .0 | 2250 |
| 2000 | | 82 | 10.5 | -10.4 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 104 | 7.4 | -7.2 | 1.8 | | 82 | 7.2 | -7.1 | -1.1 | 2000 |
| 1750 | | 94 | 11.6 | -11.6 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 100 | 7.3 | -7.2 | 1.2 | | 72 | 7.7 | -7.3 | -2.4 | 1750 |
| 1500 | | 97 | 12.2 | -12.1 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 99 | 7.8 | -7.7 | 1.3 | | 71 | 7.8 | -7.4 | -2.6 | 1500 |
| 1250 | | 92 | 12.0 | -11.9 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 8.5 | -8.4 | .5 | | 71 | 7.6 | -7.2 | -2.5 | 1250 |
| 1000 | | 90 | 11.9 | -11.9 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 8.8 | -8.8 | .0 | | 70 | 6.7 | -6.4 | -2.3 | 1000 |
| 750 | | 88 | 12.0 | -12.0 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 8.7 | -8.7 | .2 | | 74 | 5.6 | -5.4 | -1.5 | 750 |
| 500 | | 79 | 12.1 | -11.9 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 88 | 7.5 | -7.5 | -.3 | | 73 | 5.1 | -4.9 | -1.5 | 500 |
| 250 | | 73 | 10.5 | -10.1 | -3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 78 | 5.5 | -5.3 | -1.1 | | 65 | 5.6 | -5.1 | -2.4 | 250 |
| | | 3/17 9 0 GMT | | | | | 3/17 1213 GMT | | | | | 3/17 18 7 GMT | | | | | 3/17 2317 GMT | | | | |
| 2500 | | 94 | 7.4 | -7.4 | .6 | | 99 | 9.7 | -9.6 | 1.6 | | 90 | 10.2 | -10.2 | -.1 | | 100 | 11.1 | -10.9 | 2.0 | 2500 |
| 2250 | | 95 | 9.0 | -8.9 | .8 | | 100 | 9.8 | -9.6 | 1.7 | | 94 | 11.6 | -11.6 | .8 | | 100 | 10.9 | -10.7 | 2.0 | 2250 |
| 2000 | | 99 | 10.4 | -10.3 | 1.5 | | 100 | 9.9 | -9.7 | 1.7 | | 96 | 12.4 | -12.3 | 1.3 | | 99 | 10.5 | -10.4 | 1.7 | 2000 |
| 1750 | | 100 | 11.2 | -11.0 | 1.9 | | 104 | 10.7 | -10.4 | 2.5 | | 97 | 12.5 | -12.4 | 1.5 | | 99 | 9.5 | -9.3 | 1.5 | 1750 |
| 1500 | | 101 | 11.4 | -11.2 | 2.2 | | 107 | 11.8 | -11.3 | 3.4 | | 99 | 13.1 | -13.0 | 2.0 | | 95 | 9.6 | -9.6 | .8 | 1500 |
| 1250 | | 103 | 11.5 | -11.3 | 2.6 | | 108 | 12.6 | -11.9 | 4.0 | | 100 | 14.5 | -14.3 | 2.6 | | 85 | 12.5 | -12.5 | -1.0 | 1250 |
| 1000 | | 104 | 11.7 | -11.3 | 2.9 | | 110 | 12.6 | -11.9 | 4.3 | | 103 | 14.9 | -14.5 | 3.2 | | 89 | 13.3 | -13.3 | -.3 | 1000 |
| 750 | | 106 | 11.0 | -10.6 | 3.0 | | 111 | 11.7 | -11.0 | 4.2 | | 105 | 13.5 | -13.0 | 3.6 | | 97 | 11.4 | -11.3 | 1.4 | 750 |
| 500 | | 105 | 9.1 | -8.8 | 2.3 | | 110 | 10.2 | -9.6 | 3.5 | | 106 | 11.1 | -10.7 | 3.2 | | 101 | 9.6 | -9.4 | 1.7 | 500 |
| 250 | | 101 | 7.5 | -7.4 | 1.5 | | 106 | 8.7 | -8.4 | 2.4 | | 106 | 8.9 | -8.6 | 2.4 | | 101 | 8.4 | -8.2 | 1.5 | 250 |
| | | 3/18 553 GMT | | | | | 3/18 1229 GMT | | | | | 3/18 1450 GMT | | | | | 3/18 1820 GMT | | | | |
| 2500 | | 91 | 12.7 | -12.7 | .3 | | 93 | 13.5 | -13.5 | .8 | | 93 | 14.3 | -14.3 | .7 | | 103 | 15.1 | -14.7 | 3.3 | 2500 |
| 2250 | | 87 | 11.1 | -11.0 | -.5 | | 91 | 13.3 | -13.3 | .3 | | 89 | 14.3 | -14.3 | -.2 | | 104 | 16.7 | -16.2 | 4.1 | 2250 |
| 2000 | | 80 | 11.0 | -10.9 | -2.0 | | 92 | 14.3 | -14.3 | .4 | | 89 | 13.9 | -13.9 | -.3 | | 104 | 17.4 | -16.9 | 4.1 | 2000 |
| 1750 | | 80 | 12.8 | -12.6 | -2.3 | | 95 | 16.1 | -16.0 | 1.4 | | 89 | 15.0 | -15.0 | -.3 | | 103 | 16.8 | -16.4 | 3.7 | 1750 |
| 1500 | | 88 | 12.9 | -12.9 | -.5 | | 96 | 16.3 | -16.2 | 1.7 | | 95 | 15.0 | -15.0 | 1.4 | | 105 | 16.7 | -16.2 | 4.3 | 1500 |
| 1250 | | 97 | 14.8 | -14.7 | 1.9 | | 95 | 14.7 | -14.7 | 1.3 | | 109 | 14.0 | -13.3 | 4.6 | | 105 | 16.8 | -16.3 | 4.4 | 1250 |
| 1000 | | 103 | 10.7 | -10.5 | 2.4 | | 99 | 13.7 | -13.6 | 2.1 | | 100 | 13.5 | -13.3 | 2.3 | | 102 | 16.8 | -16.4 | 3.5 | 1000 |
| 750 | | 108 | 8.2 | -7.9 | 2.5 | | 105 | 13.4 | -13.0 | 3.4 | | 96 | 13.8 | -13.7 | 1.4 | | 102 | 16.2 | -15.8 | 3.3 | 750 |
| 500 | | 110 | 9.2 | -8.6 | 3.1 | | 109 | 11.6 | -10.9 | 3.7 | | 113 | 13.1 | -12.1 | 5.0 | | 103 | 13.5 | -13.1 | 2.9 | 500 |
| 250 | 3 | 105 | 7.8 | -7.5 | 2.0 | | 116 | 9.5 | -8.5 | 4.1 | | 115 | 11.1 | -10.0 | 4.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/18 2023 GMT | | | | | 3/18 2315 GMT | | | | | 3/19 310 GMT | | | | | 3/19 6 0 GMT | | | | |
| 2500 | | 102 | 16.9 | -16.5 | 3.5 | | 100 | 14.3 | -14.1 | 2.5 | | 95 | 15.4 | -15.4 | 1.4 | | 102 | 16.2 | -15.9 | 3.4 | 2500 |
| 2250 | | 102 | 19.0 | -18.6 | 3.9 | | 99 | 15.4 | -15.2 | 2.5 | | 94 | 15.6 | -15.6 | 1.1 | | 101 | 15.3 | -15.0 | 3.0 | 2250 |
| 2000 | | 98 | 18.6 | -18.4 | 2.6 | | 103 | 15.9 | -15.5 | 3.5 | | 100 | 15.9 | -15.7 | 2.6 | | 102 | 15.5 | -15.2 | 3.2 | 2000 |
| 1750 | | 96 | 17.6 | -17.4 | 2.0 | | 107 | 16.2 | -15.5 | 4.7 | | 103 | 17.1 | -16.6 | 3.9 | | 101 | 16.5 | -16.2 | 3.0 | 1750 |
| 1500 | | 99 | 18.2 | -17.9 | 2.8 | | 110 | 15.9 | -14.9 | 5.5 | | 103 | 17.8 | -17.4 | 3.9 | | 100 | 16.6 | -16.4 | 2.8 | 1500 |
| 1250 | | 100 | 18.2 | -17.9 | 3.0 | | 113 | 15.6 | -14.4 | 6.0 | | 102 | 17.6 | -17.2 | 3.8 | | 100 | 16.1 | -15.8 | 2.9 | 1250 |
| 1000 | | 105 | 17.6 | -17.0 | 4.4 | | 115 | 15.4 | -13.9 | 6.6 | | 103 | 16.1 | -15.7 | 3.6 | | 100 | 15.4 | -15.2 | 2.6 | 1000 |
| 750 | | 110 | 16.6 | -15.6 | 5.7 | | 119 | 13.9 | -12.2 | 6.7 | | 104 | 12.1 | -11.7 | 2.9 | | 97 | 13.6 | -13.5 | 1.7 | 750 |
| 500 | | 112 | 13.0 | -12.1 | 5.0 | | 119 | 11.4 | -9.9 | 5.5 | | 107 | 8.4 | -8.0 | 2.5 | | 97 | 11.3 | -11.2 | 1.3 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 113 | 10.0 | -9.2 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 99 | 9.9 | -9.7 | 1.6 | 250 |
| | | 3/19 9 4 GMT | | | | | 3/19 1145 GMT | | | | | 3/19 18 5 GMT | | | | | 3/19 2320 GMT | | | | |
| 2500 | | 107 | 11.2 | -10.7 | 3.3 | | 107 | 17.6 | -16.9 | 5.1 | | 109 | 16.4 | -15.5 | 5.2 | | 104 | 16.5 | -16.0 | 3.9 | 2500 |
| 2250 | | 103 | 14.8 | -14.4 | 3.3 | | 107 | 18.7 | -17.9 | 5.4 | | 105 | 15.5 | -15.0 | 4.0 | | 103 | 15.6 | -15.2 | 3.4 | 2250 |
| 2000 | | 98 | 16.0 | -15.8 | 2.2 | | 110 | 17.9 | -16.9 | 6.1 | | 98 | 11.4 | -11.3 | 1.7 | | 106 | 15.6 | -14.9 | 4.4 | 2000 |
| 1750 | | 95 | 15.1 | -15.0 | 1.3 | | 114 | 16.6 | -15.2 | 6.8 | | 96 | 10.9 | -10.9 | 1.0 | | 111 | 15.6 | -14.6 | 5.6 | 1750 |
| 1500 | | 92 | 13.8 | -13.8 | .6 | | 115 | 17.1 | -15.5 | 7.1 | | 99 | 12.4 | -12.2 | 1.9 | | 114 | 15.2 | -13.8 | 6.2 | 1500 |
| 1250 | | 90 | 13.3 | -13.3 | -.1 | | 115 | 18.2 | -16.5 | 7.7 | | 98 | 12.9 | -12.8 | 1.9 | | 115 | 14.4 | -13.1 | 6.1 | 1250 |
| 1000 | | 87 | 13.5 | -13.5 | -.7 | | 116 | 18.1 | -16.3 | 7.9 | | 98 | 13.3 | -13.2 | 1.9 | | 113 | 13.7 | -12.6 | 5.3 | 1000 |
| 750 | | 87 | 13.7 | -13.6 | -.7 | | 115 | 16.3 | -14.7 | 6.9 | | 101 | 13.3 | -13.1 | 2.5 | | 112 | 12.6 | -11.7 | 4.8 | 750 |
| 500 | | 87 | 13.3 | -13.3 | -.6 | | 108 | 13.0 | -12.4 | 4.1 | | 103 | 12.2 | -11.9 | 2.8 | | 115 | 11.2 | -10.1 | 4.8 | 500 |
| 250 | | 84 | 12.7 | -12.6 | -1.3 | | 95 | 10.3 | -10.2 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 112 | 9.5 | -8.8 | 3.6 | 250 |
| | | 3/20 625 GMT | | | | | 3/20 1115 GMT | | | | | 3/20 1447 GMT | | | | | 3/20 1755 GMT | | | | |
| 2500 | | 97 | 12.4 | -12.3 | 1.5 | | 60 | 9.4 | -8.1 | -4.8 | | 103 | 8.4 | -8.2 | 1.8 | | 101 | 10.8 | -10.6 | 2.1 | 2500 |
| 2250 | | 98 | 12.6 | -12.5 | 1.7 | | 57 | 9.9 | -8.3 | -5.4 | | 90 | 7.6 | -7.6 | -.0 | | 93 | 11.3 | -11.3 | .6 | 2250 |
| 2000 | | 104 | 12.2 | -11.9 | 2.9 | | 58 | 10.6 | -9.1 | -5.6 | | 90 | 7.6 | -7.6 | .0 | | 86 | 11.3 | -11.3 | -.9 | 2000 |
| 1750 | | 113 | 11.0 | -10.1 | 4.3 | | 60 | 11.8 | -10.3 | -5.8 | | 93 | 8.7 | -8.6 | .5 | | 84 | 10.8 | -10.8 | -1.2 | 1750 |
| 1500 | | 119 | 9.3 | -8.1 | 4.5 | | 66 | 12.5 | -11.4 | -5.1 | | 89 | 9.6 | -9.6 | -.1 | | 82 | 10.0 | -9.9 | -1.5 | 1500 |
| 1250 | | 118 | 7.7 | -6.8 | 3.6 | | 73 | 12.6 | -12.1 | -3.6 | | 80 | 9.4 | -9.3 | -1.7 | | 73 | 9.7 | -9.3 | -2.9 | 1250 |
| 1000 | | 116 | 6.2 | -5.6 | 2.7 | | 74 | 12.3 | -11.8 | -3.4 | | 70 | 9.0 | -8.5 | -3.2 | | 64 | 10.9 | -9.8 | -4.7 | 1000 |
| 750 | | 116 | 4.9 | -4.4 | 2.2 | | 68 | 11.7 | -10.9 | -4.3 | | 61 | 8.7 | -7.6 | -4.3 | | 60 | 12.4 | -10.7 | -6.2 | 750 |
| 500 | | 99 | 3.9 | -3.8 | .6 | | 64 | 10.0 | -9.0 | -4.4 | | 54 | 8.3 | -6.8 | -4.9 | | 56 | 12.8 | -10.6 | -7.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 61 | 6.5 | -5.7 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 58 | 11.6 | -9.9 | -6.1 | 250 |
| | | 3/20 21 0 GMT | | | | | 3/20 2325 GMT | | | | | 3/21 235 GMT | | | | | 3/21 6 0 GMT | | | | |
| 2500 | 3 | 77 | 11.4 | -11.1 | -2.5 | | 115 | 7.8 | -7.1 | 3.3 | | 120 | 6.5 | -5.6 | 3.3 | | 94 | 7.4 | -7.4 | .6 | 2500 |
| 2250 | | 73 | 11.6 | -11.1 | -3.3 | | 97 | 7.4 | -7.4 | .9 | | 107 | 6.1 | -5.8 | 1.8 | | 94 | 7.1 | -7.1 | .5 | 2250 |
| 2000 | 3 | 82 | 10.3 | -10.1 | -1.5 | | 81 | 7.7 | -7.6 | -1.2 | | 88 | 6.8 | -6.8 | -.2 | | 94 | 6.6 | -6.6 | .5 | 2000 |
| 1750 | 3 | 89 | 9.5 | -9.5 | -.2 | | 73 | 9.3 | -8.9 | -2.8 | | 79 | 8.0 | -7.8 | -1.5 | | 92 | 7.5 | -7.5 | .2 | 1750 |
| 1500 | | 84 | 10.5 | -10.4 | -1.0 | | 69 | 11.4 | -10.7 | -4.1 | | 74 | 9.1 | -8.7 | -2.5 | | 83 | 8.6 | -8.5 | -1.0 | 1500 |
| 1250 | | 79 | 11.8 | -11.6 | -2.2 | | 67 | 11.8 | -10.9 | -4.6 | | 67 | 10.8 | -9.9 | -4.1 | | 72 | 9.8 | -9.3 | -3.0 | 1250 |
| 1000 | | 74 | 12.6 | -12.1 | -3.6 | | 63 | 10.7 | -9.6 | -4.9 | | 61 | 11.9 | -10.4 | -5.7 | | 65 | 11.7 | -10.6 | -4.9 | 1000 |
| 750 | | 66 | 13.2 | -12.1 | -5.3 | | 58 | 10.3 | -8.8 | -5.5 | | 55 | 11.7 | -9.5 | -6.7 | | 61 | 12.7 | -11.0 | -6.2 | 750 |
| 500 | | 61 | 13.1 | -11.4 | -6.3 | | 54 | 10.4 | -8.4 | -6.0 | | 50 | 11.4 | -8.7 | -7.3 | | 58 | 12.5 | -10.6 | -6.7 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 51 | 10.5 | -8.1 | -6.6 | | 51 | 11.6 | -9.0 | -7.3 | | 59 | 11.7 | -10.0 | -6.1 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/21 855 GMT | | | | | 3/21 1210 GMT | | | | | 3/22 350 GMT | | | | | 3/22 7 0 GMT | | | | |
| 2500 | | 110 | 6.2 | -5.8 | 2.1 | | 122 | 5.0 | -4.2 | 2.7 | | 115 | 5.5 | -5.0 | 2.4 | | 112 | 8.9 | -8.2 | 3.4 | 2500 |
| 2250 | | 103 | 6.4 | -6.2 | 1.5 | | 124 | 3.7 | -3.1 | 2.1 | | 109 | 5.6 | -5.2 | 1.8 | | 108 | 11.0 | -10.5 | 3.4 | 2250 |
| 2000 | | 92 | 7.3 | -7.3 | .2 | | 117 | 3.7 | -3.3 | 1.7 | | 97 | 6.2 | -6.2 | .7 | | 104 | 11.1 | -10.8 | 2.8 | 2000 |
| 1750 | | 82 | 7.9 | -7.9 | -1.1 | | 108 | 5.7 | -5.5 | 1.8 | | 85 | 8.3 | -8.3 | -.8 | | 97 | 10.1 | -10.0 | 1.2 | 1750 |
| 1500 | | 79 | 7.7 | -7.6 | -1.5 | | 105 | 7.1 | -6.8 | 1.9 | | 80 | 10.2 | -10.1 | -1.8 | | 89 | 10.3 | -10.3 | -.2 | 1500 |
| 1250 | | 77 | 8.0 | -7.8 | -1.8 | | 93 | 7.4 | -7.4 | .3 | | 80 | 10.7 | -10.5 | -1.9 | | 85 | 10.7 | -10.6 | -1.0 | 1250 |
| 1000 | | 71 | 9.6 | -9.0 | -3.2 | | 76 | 8.7 | -8.4 | -2.1 | | 78 | 9.9 | -9.7 | -2.1 | | 81 | 10.3 | -10.2 | -1.7 | 1000 |
| 750 | | 66 | 11.0 | -10.1 | -4.6 | | 68 | 8.9 | -8.2 | -3.3 | | 66 | 9.5 | -8.7 | -3.9 | | 78 | 10.0 | -9.7 | -2.1 | 750 |
| 500 | | 64 | 10.9 | -9.8 | -4.8 | | 63 | 7.8 | -6.9 | -3.5 | | 52 | 9.9 | -7.9 | -6.1 | | 74 | 10.3 | -9.9 | -2.8 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 59 | 7.0 | -6.0 | -3.6 | | 47 | 9.1 | -6.7 | -6.2 | | 67 | 11.1 | -10.3 | -4.3 | 250 |
| | | 3/22 12 0 GMT | | | | | 3/22 1529 GMT | | | | | 3/22 1750 GMT | | | | | 3/22 2040 GMT | | | | |
| 2500 | | 105 | 7.4 | -7.2 | 1.9 | | 113 | 6.7 | -6.1 | 2.6 | | 125 | 4.4 | -3.6 | 2.5 | | 137 | 3.8 | -2.6 | 2.8 | 2500 |
| 2250 | | 102 | 7.6 | -7.4 | 1.6 | | 115 | 6.6 | -6.0 | 2.7 | | 120 | 5.7 | -4.9 | 2.8 | | 124 | 5.4 | -4.4 | 3.0 | 2250 |
| 2000 | | 97 | 9.0 | -8.9 | 1.0 | | 107 | 7.4 | -7.1 | 2.1 | | 118 | 6.6 | -5.9 | 3.1 | | 117 | 6.7 | -6.0 | 3.1 | 2000 |
| 1750 | | 96 | 10.7 | -10.7 | 1.2 | | 100 | 8.0 | -7.9 | 1.3 | | 118 | 6.9 | -6.1 | 3.3 | | 120 | 8.1 | -7.0 | 4.0 | 1750 |
| 1500 | | 97 | 11.8 | -11.7 | 1.4 | | 97 | 8.0 | -7.9 | 1.0 | | 120 | 7.3 | -6.3 | 3.7 | | 121 | 8.5 | -7.3 | 4.4 | 1500 |
| 1250 | | 94 | 11.7 | -11.6 | .7 | | 96 | 8.1 | -8.0 | .9 | | 119 | 8.5 | -7.4 | 4.1 | | 112 | 7.5 | -7.0 | 2.8 | 1250 |
| 1000 | | 90 | 11.0 | -11.0 | -.1 | | 94 | 8.2 | -8.2 | .6 | | 114 | 9.2 | -8.4 | 3.7 | | 108 | 7.1 | -6.8 | 2.2 | 1000 |
| 750 | | 87 | 10.3 | -10.3 | -.5 | | 86 | 7.8 | -7.8 | -.6 | | 105 | 9.1 | -8.8 | 2.4 | | 127 | 9.6 | -7.7 | 5.8 | 750 |
| 500 | | 85 | 9.5 | -9.4 | -.8 | | 76 | 8.4 | -8.1 | -2.0 | | 94 | 10.0 | -10.0 | .7 | | 138 | 12.3 | -8.2 | 9.2 | 500 |
| 250 | | 82 | 8.7 | -8.7 | -1.2 | | 80 | 10.3 | -10.1 | -1.7 | | 89 | 10.7 | -10.7 | -.1 | | 141 | 10.3 | -6.5 | 8.0 | 250 |
| | | 3/23 150 GMT | | | | | 3/23 830 GMT | | | | | 3/23 1115 GMT | | | | | 3/23 1830 GMT | | | | |
| 2500 | | 141 | 11.2 | -7.1 | 8.7 | | 138 | 8.4 | -5.6 | 6.3 | | 139 | 7.9 | -5.2 | 5.9 | | 123 | 12.3 | -10.3 | 6.8 | 2500 |
| 2250 | | 143 | 12.0 | -7.2 | 9.5 | | 119 | 7.9 | -6.8 | 3.8 | | 132 | 9.5 | -7.1 | 6.3 | | 120 | 13.8 | -11.9 | 6.9 | 2250 |
| 2000 | | 144 | 11.1 | -6.5 | 9.0 | | 116 | 10.4 | -9.4 | 4.6 | | 131 | 10.8 | -8.2 | 7.0 | | 114 | 13.1 | -11.9 | 5.4 | 2000 |
| 1750 | | 148 | 9.1 | -4.8 | 7.8 | | 118 | 13.9 | -12.3 | 6.5 | | 126 | 11.3 | -9.1 | 6.6 | | 110 | 13.1 | -12.3 | 4.5 | 1750 |
| 1500 | | 148 | 7.5 | -4.0 | 6.4 | | 118 | 15.9 | -14.1 | 7.4 | | 118 | 11.9 | -10.5 | 5.7 | | 110 | 13.7 | -12.9 | 4.7 | 1500 |
| 1250 | | 119 | 6.3 | -5.6 | 3.0 | | 117 | 14.9 | -13.3 | 6.7 | | 111 | 12.7 | -11.9 | 4.6 | | 111 | 14.9 | -13.9 | 5.3 | 1250 |
| 1000 | | 103 | 6.8 | -6.6 | 1.5 | | 114 | 12.1 | -11.1 | 4.8 | | 106 | 12.7 | -12.2 | 3.4 | | 111 | 15.4 | -14.4 | 5.4 | 1000 |
| 750 | | 127 | 6.8 | -5.4 | 4.1 | | 109 | 9.2 | -8.7 | 2.9 | | 104 | 11.0 | -10.6 | 2.6 | | 110 | 13.4 | -12.5 | 4.7 | 750 |
| 500 | | 144 | 6.7 | -4.0 | 5.4 | | 106 | 6.0 | -5.7 | 1.6 | | 109 | 8.4 | -8.0 | 2.7 | | 112 | 10.6 | -9.8 | 3.9 | 500 |
| 250 | | 148 | 5.7 | -3.0 | 4.9 | | 105 | 4.3 | -4.2 | 1.2 | | 114 | 7.0 | -6.4 | 2.8 | | 113 | 10.3 | -9.5 | 4.0 | 250 |
| | | 3/23 2358 GMT | | | | | 3/24 3 7 GMT | | | | | 3/24 645 GMT | | | | | 3/24 915 GMT | | | | |
| 2500 | | 123 | 13.1 | -10.9 | 7.2 | | 89 | 13.0 | -13.0 | -.1 | | 133 | 11.4 | -8.3 | 7.8 | | 119 | 3.6 | -3.2 | 1.7 | 2500 |
| 2250 | | 114 | 12.0 | -10.9 | 4.9 | | 91 | 13.8 | -13.8 | .2 | | 132 | 8.9 | -6.6 | 6.0 | | 108 | 4.5 | -4.2 | 1.4 | 2250 |
| 2000 | | 109 | 10.7 | -10.1 | 3.5 | | 86 | 14.3 | -14.2 | -1.1 | | 131 | 6.4 | -4.8 | 4.2 | | 101 | 5.1 | -5.0 | .9 | 2000 |
| 1750 | | 108 | 9.8 | -9.3 | 3.1 | | 84 | 13.7 | -13.6 | -1.3 | | 133 | 4.7 | -3.4 | 3.2 | | 89 | 6.4 | -6.4 | -.1 | 1750 |
| 1500 | | 107 | 8.7 | -8.4 | 2.5 | | 87 | 12.6 | -12.6 | -.7 | | 117 | 3.2 | -2.9 | 1.5 | | 80 | 8.1 | -7.9 | -1.4 | 1500 |
| 1250 | | 102 | 8.0 | -7.8 | 1.6 | | 87 | 11.5 | -11.5 | -.6 | | 97 | 3.8 | -3.7 | .4 | | 75 | 9.1 | -8.8 | -2.4 | 1250 |
| 1000 | | 99 | 8.2 | -8.1 | 1.2 | | 89 | 10.0 | -10.0 | -.2 | | 88 | 5.3 | -5.3 | -.2 | | 72 | 9.7 | -9.2 | -2.9 | 1000 |
| 750 | | 103 | 7.9 | -7.8 | 1.7 | | 98 | 8.0 | -8.0 | 1.1 | | 68 | 6.3 | -5.9 | -2.3 | | 76 | 9.9 | -9.6 | -2.5 | 750 |
| 500 | | 106 | 5.8 | -5.6 | 1.6 | | 117 | 7.4 | -6.6 | 3.3 | | 49 | 6.6 | -5.0 | -4.4 | | 80 | 9.2 | -9.1 | -1.6 | 500 |
| 250 | | 99 | 3.7 | -3.7 | .6 | | 137 | 10.4 | -7.1 | 7.6 | | 34 | 4.8 | -2.7 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/24 1155 GMT | | | | | 3/24 1847 GMT | | | | | 3/25 045 GMT | | | | | 3/25 6 0 GMT | | | | |
| 2500 | | 84 | 6.0 | -5.9 | -.6 | | 147 | 5.1 | -2.8 | 4.3 | | 95 | 5.2 | -5.2 | .5 | | 117 | 5.0 | -4.4 | 2.3 | 2500 |
| 2250 | | 77 | 7.9 | -7.6 | -1.8 | | 123 | 5.7 | -4.8 | 3.1 | | 71 | 5.1 | -4.8 | -1.6 | | 103 | 4.9 | -4.7 | 1.1 | 2250 |
| 2000 | | 77 | 10.9 | -10.7 | -2.4 | | 102 | 7.8 | -7.6 | 1.6 | | 88 | 4.7 | -4.7 | -.2 | | 95 | 6.6 | -6.5 | .5 | 2000 |
| 1750 | | 86 | 15.6 | -15.6 | -1.2 | | 102 | 8.2 | -8.0 | 1.7 | | 93 | 4.2 | -4.2 | .3 | | 92 | 7.9 | -7.9 | .2 | 1750 |
| 1500 | | 97 | 19.4 | -19.2 | 2.4 | | 109 | 8.3 | -7.9 | 2.7 | | 73 | 3.2 | -3.1 | -.9 | | 88 | 8.4 | -8.4 | -.3 | 1500 |
| 1250 | | 111 | 19.1 | -17.8 | 6.9 | | 111 | 9.8 | -9.1 | 3.5 | | 49 | 3.4 | -2.6 | -2.2 | | 81 | 9.1 | -9.0 | -1.4 | 1250 |
| 1000 | | 125 | 16.1 | -13.1 | 9.3 | | 109 | 10.9 | -10.4 | 3.5 | | 55 | 4.4 | -3.5 | -2.5 | | 75 | 9.0 | -8.7 | -2.4 | 1000 |
| 750 | | 124 | 13.7 | -11.4 | 7.7 | | 104 | 10.5 | -10.2 | 2.5 | | 71 | 5.8 | -5.5 | -1.9 | | 67 | 7.3 | -6.8 | -2.8 | 750 |
| 500 | | 115 | 13.9 | -12.6 | 5.9 | | 99 | 9.0 | -8.9 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 54 | 5.4 | -4.4 | -3.2 | 500 |
| 250 | | 119 | 11.5 | -10.1 | 5.6 | | 97 | 7.3 | -7.3 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 51 | 4.9 | -3.8 | -3.1 | 250 |
| | | 3/25 1125 GMT | | | | | 3/25 1818 GMT | | | | | 3/25 2337 GMT | | | | | 3/26 620 GMT | | | | |
| 2500 | | 121 | 8.7 | -7.4 | 4.5 | | 142 | 5.3 | -3.3 | 4.2 | | 139 | 6.8 | -4.5 | 5.1 | | 121 | 8.2 | -7.0 | 4.2 | 2500 |
| 2250 | | 112 | 9.0 | -8.3 | 3.4 | | 124 | 6.2 | -5.1 | 3.5 | | 130 | 6.5 | -5.0 | 4.2 | | 112 | 8.7 | -8.1 | 3.3 | 2250 |
| 2000 | | 104 | 8.5 | -8.3 | 2.1 | | 117 | 7.5 | -6.7 | 3.5 | | 125 | 7.8 | -6.4 | 4.5 | | 111 | 8.7 | -8.1 | 3.2 | 2000 |
| 1750 | | 97 | 7.9 | -7.8 | .9 | | 116 | 8.0 | -7.2 | 3.5 | | 120 | 9.7 | -8.4 | 4.9 | | 110 | 9.0 | -8.5 | 3.1 | 1750 |
| 1500 | | 92 | 7.6 | -7.6 | .3 | | 113 | 7.5 | -6.9 | 3.0 | | 118 | 10.0 | -8.8 | 4.7 | | 112 | 9.8 | -9.1 | 3.6 | 1500 |
| 1250 | | 90 | 7.3 | -7.3 | .0 | | 98 | 7.2 | -7.1 | 1.0 | | 114 | 9.7 | -8.9 | 3.9 | | 114 | 11.0 | -10.0 | 4.5 | 1250 |
| 1000 | | 88 | 6.2 | -6.2 | -.2 | | 83 | 7.8 | -7.8 | -1.0 | | 106 | 10.1 | -9.8 | 2.7 | | 109 | 12.1 | -11.5 | 4.0 | 1000 |
| 750 | | 75 | 5.4 | -5.2 | -1.4 | | 81 | 8.8 | -8.7 | -1.4 | | 97 | 11.7 | -11.6 | 1.5 | | 104 | 12.2 | -11.8 | 3.0 | 750 |
| 500 | | 60 | 6.8 | -5.9 | -3.4 | | 75 | 8.9 | -8.6 | -2.3 | | 93 | 12.1 | -12.1 | .6 | | 105 | 10.7 | -10.3 | 2.8 | 500 |
| 250 | | 59 | 8.4 | -7.2 | -4.4 | | 65 | 7.2 | -6.5 | -3.0 | | 87 | 10.6 | -10.6 | -.6 | | 102 | 12.0 | -11.7 | 2.5 | 250 |
| | | 3/26 1115 GMT | | | | | 3/26 2350 GMT | | | | | 3/27 552 GMT | | | | | 3/27 1150 GMT | | | | |
| 2500 | | 121 | 8.9 | -7.6 | 4.5 | | 113 | 9.0 | -8.3 | 3.5 | | 114 | 8.9 | -8.2 | 3.7 | | 96 | 15.3 | -15.2 | 1.7 | 2500 |
| 2250 | | 114 | 9.4 | -8.6 | 3.8 | | 111 | 9.1 | -8.5 | 3.2 | | 116 | 10.0 | -9.0 | 4.4 | | 103 | 14.4 | -14.1 | 3.2 | 2250 |
| 2000 | | 110 | 9.4 | -8.8 | 3.2 | | 109 | 10.3 | -9.7 | 3.4 | | 118 | 9.0 | -8.0 | 4.2 | | 103 | 14.1 | -13.8 | 3.1 | 2000 |
| 1750 | | 107 | 9.2 | -8.8 | 2.7 | | 109 | 12.0 | -11.4 | 3.9 | | 119 | 8.8 | -7.7 | 4.3 | | 99 | 13.6 | -13.4 | 2.1 | 1750 |
| 1500 | | 105 | 9.1 | -8.7 | 2.4 | | 110 | 11.6 | -10.9 | 4.0 | | 116 | 10.6 | -9.5 | 4.7 | | 105 | 13.0 | -12.6 | 3.3 | 1500 |
| 1250 | | 103 | 9.8 | -9.6 | 2.2 | | 109 | 11.1 | -10.5 | 3.6 | | 108 | 12.4 | -11.8 | 3.9 | | 104 | 12.9 | -12.5 | 3.2 | 1250 |
| 1000 | | 99 | 11.4 | -11.3 | 1.9 | | 108 | 12.0 | -11.4 | 3.7 | | 102 | 13.1 | -12.8 | 2.7 | | 98 | 12.8 | -12.7 | 1.7 | 1000 |
| 750 | | 97 | 12.3 | -12.2 | 1.4 | | 109 | 11.9 | -11.3 | 3.9 | | 99 | 12.6 | -12.5 | 2.0 | | 95 | 10.8 | -10.8 | .9 | 750 |
| 500 | | 95 | 11.6 | -11.5 | 1.1 | | 110 | 10.9 | -10.3 | 3.8 | | 95 | 12.9 | -12.9 | 1.0 | | 95 | 8.1 | -8.0 | .7 | 500 |
| 250 | | 94 | 10.0 | -10.0 | .7 | | 110 | 10.1 | -9.5 | 3.4 | | 93 | 11.4 | -11.4 | .7 | | 92 | 7.5 | -7.5 | .2 | 250 |
| | | 3/28 135 GMT | | | | | 3/28 6 8 GMT | | | | | 3/28 19 8 GMT | | | | | 3/28 2347 GMT | | | | |
| 2500 | | 101 | 11.2 | -11.0 | 2.1 | | 100 | 10.6 | -10.5 | 1.8 | | 75 | 6.2 | -6.0 | -1.6 | | 97 | 14.4 | -14.3 | 1.6 | 2500 |
| 2250 | | 105 | 10.7 | -10.4 | 2.9 | | 105 | 9.6 | -9.3 | 2.5 | | 71 | 6.9 | -6.5 | -2.3 | | 96 | 13.7 | -13.6 | 1.5 | 2250 |
| 2000 | | 110 | 11.4 | -10.7 | 3.9 | | 107 | 8.7 | -8.4 | 2.6 | | 69 | 7.9 | -7.4 | -2.8 | | 97 | 11.0 | -10.9 | 1.3 | 2000 |
| 1750 | | 108 | 12.0 | -11.4 | 3.7 | | 103 | 8.5 | -8.3 | 1.9 | | 74 | 7.8 | -7.5 | -2.2 | | 94 | 10.2 | -10.1 | .8 | 1750 |
| 1500 | | 100 | 11.4 | -11.2 | 1.9 | | 98 | 8.4 | -8.4 | 1.1 | | 84 | 6.8 | -6.8 | -.8 | | 92 | 9.6 | -9.6 | .3 | 1500 |
| 1250 | | 91 | 10.3 | -10.3 | .2 | | 93 | 8.2 | -8.2 | .5 | | 93 | 6.1 | -6.1 | .3 | | 90 | 9.3 | -9.3 | -.1 | 1250 |
| 1000 | | 88 | 9.6 | -9.6 | -.4 | | 90 | 8.4 | -8.4 | -.0 | | 98 | 5.8 | -5.8 | .8 | | 84 | 9.0 | -9.0 | -1.0 | 1000 |
| 750 | | 88 | 8.9 | -8.9 | -.3 | | 90 | 8.2 | -8.2 | -.0 | | 97 | 5.2 | -5.2 | .6 | | 77 | 8.2 | -8.0 | -1.8 | 750 |
| 500 | | 88 | 7.4 | -7.4 | -.3 | | 84 | 7.0 | -7.0 | -.7 | | 82 | 5.2 | -5.2 | -.7 | | 70 | 7.2 | -6.7 | -2.4 | 500 |
| 250 | | 86 | 5.8 | -5.8 | -.4 | | 57 | 6.8 | -5.7 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 76 | 5.9 | -5.7 | -1.5 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/29 6 0 GMT | | | | | 3/29 1121 GMT | | | | | 3/29 1438 GMT | | | | | 3/29 18 8 GMT | | | | |
| 2500 | | 113 | 11.9 | -10.9 | 4.7 | | 101 | 5.9 | -5.8 | 1.1 | | 86 | 11.4 | -11.4 | -.8 | | 86 | 11.9 | -11.9 | -.8 | 2500 |
| 2250 | | 105 | 11.7 | -11.3 | 3.1 | | 106 | 5.9 | -5.7 | 1.6 | | 79 | 10.7 | -10.5 | -1.9 | | 93 | 10.6 | -10.6 | .5 | 2250 |
| 2000 | | 98 | 10.9 | -10.8 | 1.5 | | 98 | 6.8 | -6.7 | 1.0 | | 73 | 10.7 | -10.3 | -3.1 | | 112 | 12.0 | -11.1 | 4.5 | 2000 |
| 1750 | | 99 | 9.9 | -9.7 | 1.5 | | 85 | 8.4 | -8.4 | -.8 | | 71 | 10.4 | -9.8 | -3.4 | | 118 | 13.7 | -12.1 | 6.5 | 1750 |
| 1500 | | 101 | 9.2 | -9.0 | 1.8 | | 78 | 9.5 | -9.3 | -2.0 | | 74 | 9.7 | -9.3 | -2.6 | | 116 | 13.8 | -12.4 | 6.0 | 1500 |
| 1250 | | 98 | 8.5 | -8.5 | 1.1 | | 74 | 9.0 | -8.6 | -2.4 | | 81 | 10.6 | -10.5 | -1.7 | | 113 | 12.9 | -11.9 | 5.0 | 1250 |
| 1000 | | 91 | 7.7 | -7.7 | .1 | | 70 | 8.7 | -8.1 | -2.9 | | 81 | 11.4 | -11.3 | -1.7 | | 113 | 12.1 | -11.1 | 4.8 | 1000 |
| 750 | | 92 | 7.1 | -7.1 | .2 | | 67 | 10.1 | -9.3 | -4.0 | | 78 | 11.0 | -10.7 | -2.4 | | 116 | 11.4 | -10.3 | 5.0 | 750 |
| 500 | | 98 | 7.0 | -6.9 | 1.0 | | 64 | 11.1 | -10.0 | -4.9 | | 77 | 10.4 | -10.2 | -2.3 | | 118 | 10.7 | -9.4 | 5.1 | 500 |
| 250 | | 95 | 6.6 | -6.6 | .6 | | 57 | 9.5 | -8.0 | -5.1 | | 82 | 10.2 | -10.1 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/29 2046 GMT | | | | | 3/30 320 GMT | | | | | 3/30 6 3 GMT | | | | | 3/30 910 GMT | | | | |
| 2500 | | 115 | 13.0 | -11.8 | 5.5 | | 79 | 9.4 | -9.2 | -1.8 | | 95 | 12.5 | -12.5 | 1.1 | | 76 | 15.5 | -15.1 | -3.6 | 2500 |
| 2250 | | 122 | 13.4 | -11.3 | 7.1 | | 79 | 10.0 | -9.9 | -1.9 | | 96 | 10.4 | -10.4 | 1.2 | | 77 | 12.1 | -11.8 | -2.7 | 2250 |
| 2000 | | 120 | 12.5 | -10.8 | 6.3 | | 83 | 11.4 | -11.4 | -1.4 | | 91 | 10.2 | -10.2 | .2 | | 81 | 10.1 | -9.9 | -1.7 | 2000 |
| 1750 | | 119 | 11.9 | -10.3 | 5.8 | | 91 | 12.3 | -12.3 | .2 | | 87 | 11.2 | -11.1 | -.7 | | 84 | 9.9 | -9.8 | -1.0 | 1750 |
| 1500 | | 120 | 11.8 | -10.2 | 5.9 | | 103 | 11.9 | -11.6 | 2.6 | | 83 | 10.0 | -10.0 | -1.2 | | 91 | 10.6 | -10.6 | .1 | 1500 |
| 1250 | | 118 | 11.6 | -10.3 | 5.4 | | 110 | 11.2 | -10.5 | 3.8 | | 83 | 9.1 | -9.1 | -1.2 | | 103 | 11.6 | -11.3 | 2.5 | 1250 |
| 1000 | | 111 | 11.4 | -10.6 | 4.2 | | 110 | 10.0 | -9.4 | 3.4 | | 92 | 9.5 | -9.5 | .4 | | 109 | 12.2 | -11.5 | 4.1 | 1000 |
| 750 | | 110 | 11.2 | -10.5 | 3.9 | | 108 | 8.6 | -8.2 | 2.7 | | 103 | 9.7 | -9.5 | 2.1 | | 109 | 11.3 | -10.7 | 3.7 | 750 |
| 500 | | 113 | 9.9 | -9.1 | 3.9 | | 108 | 7.7 | -7.3 | 2.4 | | 103 | 9.4 | -9.2 | 2.2 | | 106 | 8.8 | -8.4 | 2.4 | 500 |
| 250 | | 105 | 8.0 | -7.7 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 6.4 | -6.2 | 1.4 | 250 |
| | | 3/30 12 0 GMT | | | | | 3/30 1831 GMT | | | | | 3/31 0 8 GMT | | | | | 3/31 2331 GMT | | | | |
| 2500 | | 87 | 11.2 | -11.2 | -.6 | | 93 | 12.4 | -12.4 | .6 | | 76 | 12.6 | -12.2 | -2.9 | | 78 | 12.9 | -12.6 | -2.7 | 2500 |
| 2250 | | 86 | 11.2 | -11.2 | -.7 | | 98 | 12.4 | -12.3 | 1.8 | | 73 | 12.6 | -12.0 | -3.7 | | 76 | 13.0 | -12.5 | -3.2 | 2250 |
| 2000 | | 89 | 9.8 | -9.8 | -.1 | | 100 | 12.6 | -12.4 | 2.3 | | 78 | 12.8 | -12.6 | -2.6 | | 70 | 13.1 | -12.3 | -4.4 | 2000 |
| 1750 | | 94 | 9.7 | -9.7 | .7 | | 105 | 12.1 | -11.7 | 3.1 | | 84 | 13.2 | -13.2 | -1.4 | | 68 | 13.7 | -12.6 | -5.2 | 1750 |
| 1500 | | 97 | 11.3 | -11.2 | 1.3 | | 110 | 11.6 | -10.9 | 3.9 | | 85 | 13.7 | -13.6 | -1.1 | | 69 | 14.2 | -13.3 | -5.1 | 1500 |
| 1250 | | 96 | 11.1 | -11.0 | 1.2 | | 103 | 11.6 | -11.3 | 2.7 | | 87 | 14.6 | -14.6 | -.8 | | 71 | 14.2 | -13.4 | -4.5 | 1250 |
| 1000 | | 94 | 9.6 | -9.6 | .7 | | 91 | 12.4 | -12.4 | .2 | | 90 | 15.2 | -15.2 | .0 | | 73 | 13.6 | -13.0 | -3.9 | 1000 |
| 750 | | 93 | 9.0 | -9.0 | .5 | | 88 | 12.9 | -12.9 | -.5 | | 91 | 14.1 | -14.1 | .4 | | 71 | 13.2 | -12.4 | -4.3 | 750 |
| 500 | | 91 | 8.0 | -8.0 | .1 | | 91 | 11.3 | -11.3 | .2 | | 87 | 11.5 | -11.5 | -.6 | | 64 | 12.6 | -11.4 | -5.4 | 500 |
| 250 | | 83 | 6.1 | -6.0 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 79 | 9.5 | -9.3 | -1.9 | | 62 | 11.2 | -10.0 | -5.2 | 250 |
| | | 4/ 1 655 GMT | | | | | 4/ 1 15 0 GMT | | | | | 4/ 1 18 0 GMT | | | | | 4/ 1 2050 GMT | | | | |
| 2500 | | 71 | 14.3 | -13.6 | -4.6 | | 64 | 14.7 | -13.2 | -6.3 | | 65 | 10.4 | -9.4 | -4.4 | | 69 | 21.3 | -19.9 | -7.8 | 2500 |
| 2250 | | 71 | 15.1 | -14.2 | -4.9 | | 69 | 14.4 | -13.5 | -5.2 | | 74 | 11.2 | -10.8 | -3.1 | | 76 | 21.4 | -20.8 | -5.1 | 2250 |
| 2000 | | 72 | 14.8 | -14.1 | -4.6 | | 77 | 14.3 | -13.9 | -3.2 | | 78 | 12.3 | -12.0 | -2.6 | | 82 | 22.4 | -22.2 | -3.1 | 2000 |
| 1750 | | 71 | 14.0 | -13.2 | -4.4 | | 83 | 14.3 | -14.2 | -1.8 | | 78 | 14.1 | -13.8 | -2.9 | | 90 | 23.0 | -23.0 | .0 | 1750 |
| 1500 | | 68 | 13.5 | -12.5 | -5.0 | | 83 | 14.4 | -14.3 | -1.7 | | 77 | 15.7 | -15.3 | -3.5 | | 98 | 21.2 | -21.0 | 2.9 | 1500 |
| 1250 | | 66 | 13.3 | -12.1 | -5.3 | | 81 | 14.4 | -14.2 | -2.3 | | 81 | 16.4 | -16.3 | -2.5 | | 102 | 18.0 | -17.6 | 3.7 | 1250 |
| 1000 | | 66 | 13.1 | -12.0 | -5.3 | | 81 | 14.3 | -14.1 | -2.2 | | 90 | 17.0 | -17.0 | .0 | | 110 | 18.8 | -17.6 | 6.5 | 1000 |
| 750 | | 63 | 13.7 | -12.2 | -6.2 | | 84 | 14.3 | -14.2 | -1.6 | | 96 | 15.5 | -15.4 | 1.5 | | 120 | 19.8 | -17.1 | 10.0 | 750 |
| 500 | | 61 | 13.8 | -12.1 | -6.7 | | 87 | 14.0 | -14.0 | -.7 | | 95 | 11.7 | -11.7 | 1.1 | | 128 | 15.4 | -12.2 | 9.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 11.1 | -11.1 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 1 2353 GMT | | | | | 4/ 2 250 GMT | | | | | 4/ 2 6 5 GMT | | | | | 4/ 2 9 5 GMT | | | | |
| 2500 | | 78 | 17.6 | -17.2 | -3.7 | 3 | 76 | 12.9 | -12.6 | -3.1 | | 91 | 14.5 | -14.5 | .3 | | 89 | 10.4 | -10.4 | -.1 | 2500 |
| 2250 | | 88 | 17.9 | -17.9 | -.6 | 1 | 92 | 12.3 | -12.3 | .4 | | 94 | 12.9 | -12.9 | .8 | | 96 | 9.7 | -9.6 | 1.0 | 2250 |
| 2000 | | 102 | 17.8 | -17.4 | 3.7 | 0 | 103 | 12.4 | -12.1 | 2.8 | | 92 | 10.5 | -10.5 | .4 | | 105 | 9.2 | -8.9 | 2.4 | 2000 |
| 1750 | | 116 | 18.5 | -16.7 | 8.1 | 2 | 106 | 13.2 | -12.7 | 3.6 | | 95 | 10.8 | -10.8 | 1.0 | | 102 | 10.0 | -9.8 | 2.1 | 1750 |
| 1500 | | 120 | 18.9 | -16.3 | 9.5 | | 106 | 14.7 | -14.2 | 4.1 | | 98 | 12.9 | -12.8 | 1.7 | | 91 | 11.0 | -11.0 | .1 | 1500 |
| 1250 | | 115 | 18.1 | -16.5 | 7.6 | | 107 | 15.8 | -15.1 | 4.6 | | 96 | 13.5 | -13.5 | 1.3 | | 89 | 10.2 | -10.2 | -.1 | 1250 |
| 1000 | | 108 | 17.7 | -16.9 | 5.5 | | 102 | 15.9 | -15.6 | 3.3 | | 93 | 12.6 | -12.6 | .7 | | 98 | 8.8 | -8.7 | 1.2 | 1000 |
| 750 | | 107 | 16.2 | -15.5 | 4.8 | | 97 | 14.3 | -14.2 | 1.8 | | 91 | 10.5 | -10.5 | .2 | | 102 | 8.3 | -8.2 | 1.7 | 750 |
| 500 | | 110 | 12.7 | -11.9 | 4.4 | | 97 | 10.4 | -10.3 | 1.2 | | 89 | 8.0 | -8.0 | -.1 | | 93 | 7.7 | -7.7 | .4 | 500 |
| 250 | | 113 | 9.9 | -9.1 | 3.9 | | 98 | 9.4 | -9.3 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 2 1123 GMT | | | | | 4/ 2 1917 GMT | | | | | 4/ 2 2358 GMT | | | | | 4/ 3 610 GMT | | | | |
| 2500 | | 95 | 9.6 | -9.6 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 59 | 4.7 | -4.0 | -2.4 | | 67 | 5.2 | -4.8 | -2.0 | 2500 |
| 2250 | | 101 | 9.8 | -9.6 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 43 | 5.3 | -3.6 | -3.8 | | 76 | 4.8 | -4.7 | -1.2 | 2250 |
| 2000 | | 105 | 10.5 | -10.1 | 2.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 49 | 5.6 | -4.2 | -3.7 | | 82 | 5.3 | -5.3 | -.7 | 2000 |
| 1750 | | 101 | 11.3 | -11.1 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 74 | 6.7 | -6.4 | -1.9 | | 88 | 6.2 | -6.2 | -.2 | 1750 |
| 1500 | | 91 | 12.0 | -12.0 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 96 | 8.5 | -8.5 | .8 | | 88 | 7.4 | -7.4 | -.2 | 1500 |
| 1250 | | 86 | 11.8 | -11.8 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 10.1 | -9.9 | 2.0 | | 88 | 8.0 | -8.0 | -.3 | 1250 |
| 1000 | | 91 | 10.4 | -10.4 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 100 | 11.1 | -10.9 | 2.0 | | 91 | 8.2 | -8.2 | .2 | 1000 |
| 750 | | 94 | 8.4 | -8.4 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 101 | 9.8 | -9.6 | 1.8 | | 95 | 8.5 | -8.4 | .8 | 750 |
| 500 | | 86 | 7.2 | -7.2 | -.5 | | 96 | 9.6 | -9.6 | .9 | | 99 | 6.9 | -6.9 | 1.1 | | 94 | 8.3 | -8.3 | .6 | 500 |
| 250 | | 82 | 7.2 | -7.1 | -1.0 | | 101 | 8.8 | -8.6 | 1.7 | | 93 | 5.6 | -5.6 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 3 1150 GMT | | | | | 4/ 3 1450 GMT | | | | | 4/ 3 1810 GMT | | | | | 4/ 3 21 0 GMT | | | | |
| 2500 | | 92 | 2.5 | -2.5 | .1 | | 74 | 1.8 | -1.7 | -.5 | | 42 | 2.5 | -1.7 | -1.9 | | 112 | 2.8 | -2.6 | 1.0 | 2500 |
| 2250 | | 89 | 3.1 | -3.1 | -.0 | | 96 | 3.3 | -3.3 | .3 | | 103 | 3.6 | -3.5 | .8 | | 107 | 4.5 | -4.4 | 1.3 | 2250 |
| 2000 | | 95 | 4.8 | -4.8 | .4 | | 105 | 6.1 | -5.9 | 1.5 | | 117 | 5.6 | -5.0 | 2.5 | | 94 | 6.5 | -6.5 | .5 | 2000 |
| 1750 | | 96 | 6.7 | -6.7 | .7 | | 105 | 7.4 | -7.2 | 1.9 | | 108 | 5.2 | -4.9 | 1.6 | | 89 | 6.8 | -6.8 | -.1 | 1750 |
| 1500 | | 94 | 7.2 | -7.2 | .5 | | 104 | 6.8 | -6.6 | 1.6 | | 95 | 4.1 | -4.1 | .4 | | 95 | 5.5 | -5.5 | .4 | 1500 |
| 1250 | | 96 | 6.9 | -6.8 | .8 | | 107 | 6.0 | -5.7 | 1.7 | | 95 | 3.7 | -3.7 | .3 | | 107 | 4.8 | -4.6 | 1.4 | 1250 |
| 1000 | | 105 | 7.0 | -6.7 | 1.8 | | 114 | 5.7 | -5.2 | 2.3 | | 113 | 4.1 | -3.7 | 1.6 | | 112 | 4.7 | -4.3 | 1.8 | 1000 |
| 750 | | 111 | 7.0 | -6.5 | 2.5 | | 117 | 5.3 | -4.7 | 2.4 | | 126 | 4.1 | -3.3 | 2.5 | | 106 | 4.1 | -3.9 | 1.1 | 750 |
| 500 | | 115 | 6.1 | -5.6 | 2.5 | | 110 | 4.7 | -4.4 | 1.6 | | 127 | 3.2 | -2.6 | 1.9 | | 84 | 3.8 | -3.8 | -.4 | 500 |
| 250 | | 121 | 5.0 | -4.3 | 2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 134 | 2.3 | -1.6 | 1.6 | | 73 | 4.7 | -4.5 | -1.4 | 250 |
| | | 4/ 3 2353 GMT | | | | | 4/ 4 312 GMT | | | | | 4/ 4 617 GMT | | | | | 4/ 4 9 5 GMT | | | | |
| 2500 | | 100 | 3.4 | -3.3 | .6 | 2 | 55 | 2.7 | -2.2 | -1.6 | | 359 | 1.4 | .0 | -1.4 | | 160 | 2.0 | -.7 | 1.9 | 2500 |
| 2250 | | 91 | 3.8 | -3.8 | .1 | 0 | 60 | 2.2 | -1.9 | -1.1 | | 48 | 2.7 | -2.0 | -1.8 | | 116 | 2.7 | -2.4 | 1.2 | 2250 |
| 2000 | | 83 | 4.7 | -4.6 | -.6 | 0 | 75 | 2.6 | -2.5 | -.7 | | 74 | 5.1 | -4.9 | -1.4 | | 90 | 3.9 | -3.9 | -.0 | 2000 |
| 1750 | | 97 | 5.4 | -5.4 | .6 | 0 | 90 | 3.9 | -3.9 | -.0 | | 91 | 6.0 | -6.0 | .1 | | 89 | 5.3 | -5.3 | -.1 | 1750 |
| 1500 | | 108 | 5.5 | -5.3 | 1.7 | 2 | 98 | 5.5 | -5.4 | .7 | | 96 | 6.4 | -6.3 | .6 | | 96 | 7.7 | -7.7 | .8 | 1500 |
| 1250 | | 103 | 5.5 | -5.3 | 1.3 | | 102 | 6.4 | -6.3 | 1.3 | | 98 | 7.1 | -7.1 | 1.0 | | 99 | 9.4 | -9.3 | 1.4 | 1250 |
| 1000 | | 100 | 5.5 | -5.4 | 1.0 | | 105 | 6.2 | -6.0 | 1.6 | | 105 | 7.7 | -7.4 | 2.0 | | 93 | 8.7 | -8.7 | .5 | 1000 |
| 750 | | 104 | 5.1 | -4.9 | 1.3 | | 108 | 5.2 | -5.0 | 1.6 | | 111 | 7.7 | -7.2 | 2.8 | | 86 | 7.4 | -7.4 | -.5 | 750 |
| 500 | | 108 | 4.3 | -4.0 | 1.3 | | 106 | 3.9 | -3.8 | 1.1 | | 114 | 6.5 | -6.0 | 2.6 | | 90 | 6.2 | -6.2 | -.0 | 500 |
| 250 | | 106 | 3.7 | -3.5 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 75 | 4.2 | -4.0 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 4 1115 GMT | | | | | 4/ 5 19 0 GMT | | | | | 4/ 5 2332 GMT | | | | | 4/ 6 553 GMT | | | | |
| 2500 | | 179 | .8 | -.0 | .8 | | 129 | 7.4 | -5.8 | 4.7 | | 129 | 9.9 | -7.7 | 6.3 | | 90 | 7.2 | -7.2 | .0 | 2500 |
| 2250 | | 130 | 1.7 | -1.3 | 1.1 | | 130 | 7.2 | -5.5 | 4.6 | | 121 | 11.7 | -10.0 | 6.1 | | 87 | 7.0 | -7.0 | -.3 | 2250 |
| 2000 | | 97 | 3.2 | -3.2 | .4 | | 120 | 6.8 | -5.9 | 3.4 | | 110 | 11.6 | -10.9 | 4.0 | | 94 | 6.9 | -6.9 | .5 | 2000 |
| 1750 | | 90 | 5.1 | -5.1 | -.0 | | 121 | 7.0 | -6.0 | 3.6 | | 104 | 10.3 | -10.0 | 2.5 | | 93 | 7.7 | -7.7 | .4 | 1750 |
| 1500 | | 96 | 7.2 | -7.1 | .8 | | 129 | 7.4 | -5.8 | 4.6 | | 106 | 9.0 | -8.7 | 2.5 | | 88 | 9.0 | -9.0 | -.3 | 1500 |
| 1250 | | 103 | 8.5 | -8.2 | 1.9 | | 131 | 7.3 | -5.6 | 4.8 | | 112 | 8.6 | -8.0 | 3.2 | | 84 | 10.3 | -10.3 | -1.1 | 1250 |
| 1000 | | 107 | 7.9 | -7.6 | 2.3 | | 132 | 6.8 | -5.0 | 4.6 | | 116 | 8.9 | -8.1 | 3.9 | | 78 | 10.8 | -10.5 | -2.3 | 1000 |
| 750 | | 105 | 6.9 | -6.6 | 1.8 | | 134 | 6.0 | -4.3 | 4.2 | | 120 | 7.9 | -6.8 | 3.9 | | 73 | 10.4 | -9.9 | -3.1 | 750 |
| 500 | | 97 | 6.1 | -6.0 | .8 | | 135 | 5.1 | -3.6 | 3.6 | | 131 | 5.6 | -4.3 | 3.7 | | 73 | 9.9 | -9.4 | -2.9 | 500 |
| 250 | | 94 | 5.1 | -5.1 | .3 | | 138 | 4.1 | -2.7 | 3.1 | | 147 | 5.3 | -2.9 | 4.5 | | 70 | 7.9 | -7.4 | -2.6 | 250 |
| | | 4/ 6 1115 GMT | | | | | 4/ 6 1511 GMT | | | | | 4/ 6 1856 GMT | | | | | 4/ 6 2050 GMT | | | | |
| 2500 | | 108 | 8.6 | -8.1 | 2.6 | | 113 | 9.2 | -8.5 | 3.6 | | 123 | 8.5 | -7.1 | 4.6 | | 104 | 9.5 | -9.2 | 2.4 | 2500 |
| 2250 | | 106 | 7.9 | -7.6 | 2.2 | | 111 | 8.7 | -8.1 | 3.1 | | 124 | 7.5 | -6.2 | 4.1 | | 107 | 10.1 | -9.6 | 2.9 | 2250 |
| 2000 | | 97 | 8.2 | -8.1 | 1.0 | | 102 | 9.2 | -9.0 | 1.9 | | 120 | 6.9 | -6.0 | 3.4 | | 106 | 11.3 | -10.8 | 3.2 | 2000 |
| 1750 | | 93 | 8.0 | -8.0 | .4 | | 107 | 9.7 | -9.3 | 2.8 | | 114 | 7.6 | -6.9 | 3.1 | | 101 | 11.7 | -11.5 | 2.3 | 1750 |
| 1500 | | 93 | 7.5 | -7.5 | .4 | | 110 | 9.8 | -9.2 | 3.3 | | 111 | 8.9 | -8.3 | 3.2 | | 99 | 11.2 | -11.1 | 1.7 | 1500 |
| 1250 | | 92 | 8.7 | -8.7 | .3 | | 106 | 9.9 | -9.5 | 2.8 | | 107 | 9.6 | -9.2 | 2.8 | | 101 | 11.2 | -10.9 | 2.2 | 1250 |
| 1000 | | 90 | 10.4 | -10.4 | .1 | | 106 | 10.5 | -10.1 | 2.9 | | 102 | 9.8 | -9.6 | 2.0 | | 104 | 11.8 | -11.5 | 2.9 | 1000 |
| 750 | | 86 | 10.7 | -10.7 | -.7 | | 108 | 10.9 | -10.3 | 3.3 | | 100 | 9.9 | -9.8 | 1.8 | | 106 | 12.2 | -11.8 | 3.3 | 750 |
| 500 | | 79 | 10.2 | -10.0 | -1.9 | | 108 | 10.9 | -10.4 | 3.3 | | 105 | 9.6 | -9.3 | 2.4 | | 106 | 11.0 | -10.6 | 3.1 | 500 |
| 250 | | 72 | 9.1 | -8.7 | -2.8 | | 109 | 10.9 | -10.4 | 3.5 | | 108 | 8.7 | -8.3 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 6 2349 GMT | | | | | 4/ 7 416 GMT | | | | | 4/ 7 659 GMT | | | | | 4/ 7 915 GMT | | | | |
| 2500 | | 103 | 9.4 | -9.2 | 2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 109 | 8.7 | -8.2 | 2.9 | | 106 | 11.9 | -11.4 | 3.2 | 2500 |
| 2250 | | 97 | 10.3 | -10.2 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 10.4 | -10.3 | 1.2 | 2 | 104 | 14.8 | -14.4 | 3.6 | 2250 |
| 2000 | | 94 | 10.4 | -10.3 | .7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 12.2 | -12.2 | .3 | 2 | 98 | 14.5 | -14.4 | 2.1 | 2000 |
| 1750 | | 94 | 10.3 | -10.3 | .7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 87 | 13.2 | -13.2 | -.7 | | 90 | 13.0 | -13.0 | .0 | 1750 |
| 1500 | | 97 | 10.7 | -10.6 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 13.5 | -13.5 | -.9 | | 88 | 12.5 | -12.5 | -.4 | 1500 |
| 1250 | | 100 | 11.5 | -11.3 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 13.0 | -13.0 | -.9 | | 89 | 12.8 | -12.8 | -.3 | 1250 |
| 1000 | | 101 | 11.2 | -11.0 | 2.1 | | 87 | 11.5 | -11.5 | -.5 | | 84 | 12.3 | -12.2 | -1.3 | | 84 | 13.1 | -13.0 | -1.4 | 1000 |
| 750 | | 100 | 10.2 | -10.1 | 1.8 | | 87 | 10.3 | -10.2 | -.6 | | 81 | 11.8 | -11.7 | -1.8 | | 78 | 13.4 | -13.1 | -2.8 | 750 |
| 500 | | 98 | 9.6 | -9.5 | 1.4 | | 79 | 9.1 | -9.0 | -1.7 | | 80 | 11.8 | -11.6 | -2.1 | | 75 | 12.6 | -12.2 | -3.2 | 500 |
| 250 | | 93 | 7.3 | -7.3 | .3 | | 71 | 10.5 | -9.9 | -3.4 | | 76 | 12.1 | -11.8 | -2.9 | | 76 | 9.9 | -9.6 | -2.5 | 250 |
| | | 4/ 7 1138 GMT | | | | | 4/ 7 1814 GMT | | | | | 4/ 8 051 GMT | | | | | 4/ 8 545 GMT | | | | |
| 2500 | | 107 | 12.0 | -11.5 | 3.5 | | 114 | 12.8 | -11.7 | 5.2 | | 94 | 14.6 | -14.5 | 1.1 | | 103 | 13.7 | -13.4 | 3.1 | 2500 |
| 2250 | | 106 | 13.0 | -12.5 | 3.5 | | 106 | 12.2 | -11.7 | 3.4 | | 90 | 13.4 | -13.4 | .1 | | 94 | 12.7 | -12.7 | .9 | 2250 |
| 2000 | | 102 | 12.5 | -12.2 | 2.7 | | 101 | 12.6 | -12.4 | 2.5 | | 88 | 12.5 | -12.4 | -.4 | | 91 | 14.8 | -14.8 | .2 | 2000 |
| 1750 | | 99 | 10.7 | -10.6 | 1.7 | | 100 | 13.5 | -13.3 | 2.3 | | 88 | 12.6 | -12.6 | -.3 | | 90 | 16.7 | -16.7 | .1 | 1750 |
| 1500 | | 91 | 10.9 | -10.9 | .3 | | 97 | 14.3 | -14.2 | 1.6 | | 88 | 13.6 | -13.6 | -.4 | | 87 | 16.3 | -16.3 | -.8 | 1500 |
| 1250 | | 87 | 12.7 | -12.7 | -.6 | | 93 | 15.3 | -15.2 | .9 | | 87 | 13.5 | -13.4 | -.6 | | 84 | 14.0 | -14.0 | -1.5 | 1250 |
| 1000 | | 86 | 14.1 | -14.1 | -1.0 | | 93 | 15.2 | -15.2 | .8 | | 85 | 11.9 | -11.9 | -1.0 | | 83 | 12.6 | -12.5 | -1.5 | 1000 |
| 750 | | 86 | 14.8 | -14.8 | -1.1 | | 92 | 13.5 | -13.4 | .6 | | 82 | 10.0 | -9.9 | -1.3 | | 79 | 13.6 | -13.4 | -2.5 | 750 |
| 500 | | 87 | 13.8 | -13.8 | -.8 | | 87 | 11.6 | -11.6 | -.6 | | 79 | 8.4 | -8.3 | -1.6 | | 73 | 12.5 | -12.0 | -3.7 | 500 |
| 250 | | 84 | 10.9 | -10.8 | -1.1 | | 86 | 9.9 | -9.8 | -.6 | | 78 | 8.1 | -7.9 | -1.7 | | 72 | 9.0 | -8.6 | -2.8 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 8 1138 GMT | | | | | 4/ 8 1714 GMT | | | | | 4/ 8 1920 GMT | | | | | 4/ 8 2240 GMT | | | | |
| 2500 | | 100 | 13.0 | -12.7 | 2.3 | | 108 | 6.6 | -6.2 | 2.0 | | 127 | 12.4 | -9.9 | 7.5 | | 124 | 2.3 | -1.9 | 1.3 | 2500 |
| 2250 | | 101 | 12.9 | -12.6 | 2.5 | | 100 | 7.6 | -7.5 | 1.3 | | 108 | 11.0 | -10.5 | 3.3 | | 97 | 6.3 | -6.3 | .8 | 2250 |
| 2000 | | 97 | 13.2 | -13.1 | 1.6 | | 89 | 10.4 | -10.4 | -.1 | | 105 | 11.4 | -11.0 | 2.9 | | 89 | 11.3 | -11.3 | -.2 | 2000 |
| 1750 | | 88 | 13.4 | -13.4 | -.6 | | 85 | 14.0 | -13.9 | -1.3 | | 103 | 12.3 | -12.0 | 2.8 | | 89 | 9.8 | -9.8 | -.1 | 1750 |
| 1500 | | 84 | 12.8 | -12.8 | -1.3 | | 84 | 15.6 | -15.5 | -1.5 | | 96 | 12.7 | -12.7 | 1.2 | | 93 | 9.6 | -9.6 | .6 | 1500 |
| 1250 | | 84 | 14.5 | -14.4 | -1.6 | | 87 | 15.0 | -14.9 | -.9 | | 90 | 12.5 | -12.5 | .0 | | 96 | 11.9 | -11.9 | 1.2 | 1250 |
| 1000 | | 83 | 16.6 | -16.5 | -2.0 | | 85 | 14.2 | -14.2 | -1.4 | | 90 | 12.2 | -12.2 | -.1 | | 90 | 12.6 | -12.6 | -.1 | 1000 |
| 750 | | 84 | 15.1 | -15.1 | -1.6 | | 72 | 14.9 | -14.1 | -4.6 | | 91 | 12.0 | -12.0 | .2 | | 86 | 12.5 | -12.5 | -.9 | 750 |
| 500 | | 86 | 13.0 | -12.9 | -.9 | | 77 | 14.2 | -13.8 | -3.3 | | 92 | 12.2 | -12.2 | .5 | | 92 | 13.4 | -13.3 | .4 | 500 |
| 250 | | 80 | 12.0 | -11.9 | -2.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 95 | 9.3 | -9.3 | .8 | | 93 | 9.3 | -9.3 | .6 | 250 |
| | | 4/ 9 136 GMT | | | | | 4/ 9 522 GMT | | | | | 4/ 9 1115 GMT | | | | | 4/ 9 1810 GMT | | | | |
| 2500 | | 148 | 12.3 | -6.6 | 10.4 | | 164 | 3.3 | -.9 | 3.1 | | 93 | 7.6 | -7.6 | .4 | | 93 | 2.7 | -2.7 | .1 | 2500 |
| 2250 | | 155 | 9.7 | -4.1 | 8.9 | | 128 | 2.7 | -2.2 | 1.7 | | 78 | 7.2 | -7.1 | -1.4 | | 114 | 3.4 | -3.1 | 1.4 | 2250 |
| 2000 | | 130 | 10.4 | -8.0 | 6.6 | | 81 | 2.1 | -2.1 | -.3 | | 81 | 7.6 | -7.5 | -1.2 | | 116 | 5.9 | -5.3 | 2.5 | 2000 |
| 1750 | | 122 | 9.1 | -7.7 | 4.8 | | 73 | 3.7 | -3.5 | -1.1 | | 90 | 8.1 | -8.1 | -.0 | | 111 | 7.8 | -7.3 | 2.8 | 1750 |
| 1500 | | 104 | 8.4 | -8.2 | 2.1 | | 87 | 7.0 | -7.0 | -.4 | | 95 | 8.3 | -8.2 | .8 | | 118 | 7.5 | -6.6 | 3.6 | 1500 |
| 1250 | | 89 | 9.9 | -9.9 | -.2 | | 93 | 8.7 | -8.7 | .5 | | 94 | 8.7 | -8.7 | .6 | | 132 | 6.6 | -4.9 | 4.4 | 1250 |
| 1000 | | 87 | 10.5 | -10.5 | -.6 | | 102 | 9.0 | -8.8 | 1.9 | | 92 | 9.3 | -9.3 | .4 | | 138 | 7.1 | -4.8 | 5.3 | 1000 |
| 750 | | 88 | 9.4 | -9.4 | -.3 | | 116 | 10.0 | -8.9 | 4.4 | | 100 | 8.4 | -8.2 | 1.4 | | 142 | 7.8 | -4.8 | 6.1 | 750 |
| 500 | | 91 | 7.4 | -7.4 | .1 | | 128 | 10.1 | -8.0 | 6.2 | | 109 | 6.6 | -6.2 | 2.1 | | 141 | 6.3 | -3.9 | 4.9 | 500 |
| 250 | | 96 | 6.1 | -6.0 | .7 | | 137 | 7.5 | -5.1 | 5.6 | | 105 | 4.7 | -4.5 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 9 2326 GMT | | | | | 4/10 555 GMT | | | | | 4/10 1123 GMT | | | | | 4/10 17 4 GMT | | | | |
| 2500 | | 123 | 4.6 | -3.9 | 2.6 | | 185 | 6.7 | .6 | 6.7 | | 85 | .7 | -.7 | -.1 | | 107 | 2.5 | -2.4 | .7 | 2500 |
| 2250 | | 128 | 5.0 | -4.0 | 3.1 | | 173 | 5.1 | -.6 | 5.1 | | 107 | 3.7 | -3.6 | 1.1 | | 116 | 4.6 | -4.1 | 2.0 | 2250 |
| 2000 | | 137 | 4.7 | -3.2 | 3.4 | | 173 | 4.0 | -.5 | 4.0 | | 125 | 4.7 | -3.9 | 2.7 | | 130 | 3.9 | -3.0 | 2.5 | 2000 |
| 1750 | | 149 | 5.7 | -2.9 | 4.9 | | 180 | 2.4 | .0 | 2.4 | | 118 | 4.0 | -3.5 | 1.9 | | 125 | 2.8 | -2.3 | 1.6 | 1750 |
| 1500 | | 151 | 7.8 | -3.8 | 6.8 | | 151 | 1.7 | -.8 | 1.5 | | 103 | 4.5 | -4.4 | 1.0 | | 100 | 3.2 | -3.1 | .6 | 1500 |
| 1250 | | 150 | 9.1 | -4.6 | 7.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 114 | 4.9 | -4.5 | 2.0 | | 98 | 4.9 | -4.9 | .6 | 1250 |
| 1000 | | 153 | 8.6 | -3.9 | 7.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 142 | 4.7 | -2.9 | 3.7 | | 109 | 5.7 | -5.4 | 1.8 | 1000 |
| 750 | | 161 | 7.2 | -2.4 | 6.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 165 | 5.1 | -1.3 | 5.0 | | 134 | 4.5 | -3.3 | 3.2 | 750 |
| 500 | | 163 | 6.9 | -2.0 | 6.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 169 | 5.4 | -1.0 | 5.3 | | 168 | 4.2 | -.8 | 4.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 166 | 4.7 | -1.1 | 4.6 | | 169 | 4.4 | -.8 | 4.3 | 250 |
| | | 4/10 1932 GMT | | | | | 4/10 2232 GMT | | | | | 4/11 123 GMT | | | | | 4/11 558 GMT | | | | |
| 2500 | | 118 | 4.9 | -4.3 | 2.3 | | 124 | 5.7 | -4.7 | 3.2 | | 160 | 1.9 | -.6 | 1.8 | | 247 | 2.8 | 2.5 | 1.1 | 2500 |
| 2250 | | 121 | 5.9 | -5.1 | 3.1 | | 125 | 5.9 | -4.9 | 3.4 | | 140 | 4.8 | -3.1 | 3.7 | | 140 | 2.0 | -1.3 | 1.5 | 2250 |
| 2000 | | 129 | 4.5 | -3.5 | 2.8 | | 131 | 3.6 | -2.7 | 2.4 | | 142 | 5.3 | -3.3 | 4.2 | | 107 | 2.3 | -2.2 | .7 | 2000 |
| 1750 | | 133 | 3.0 | -2.2 | 2.0 | | 139 | 2.7 | -1.8 | 2.1 | | 134 | 4.0 | -2.9 | 2.8 | | 118 | 3.2 | -2.9 | 1.5 | 1750 |
| 1500 | | 123 | 3.6 | -3.0 | 2.0 | | 138 | 3.9 | -2.6 | 2.9 | | 114 | 4.2 | -3.8 | 1.7 | | 120 | 5.3 | -4.6 | 2.6 | 1500 |
| 1250 | | 134 | 4.9 | -3.6 | 3.4 | | 146 | 4.8 | -2.7 | 4.0 | | 111 | 4.3 | -4.0 | 1.5 | | 117 | 5.6 | -5.0 | 2.5 | 1250 |
| 1000 | | 149 | 5.9 | -3.0 | 5.1 | | 157 | 4.8 | -1.8 | 4.4 | | 102 | 3.0 | -2.9 | .6 | | 124 | 5.4 | -4.5 | 3.0 | 1000 |
| 750 | | 157 | 5.7 | -2.3 | 5.3 | | 156 | 4.3 | -1.8 | 3.9 | | 108 | 3.5 | -3.3 | 1.1 | | 134 | 5.7 | -4.1 | 4.0 | 750 |
| 500 | | 160 | 4.3 | -1.5 | 4.1 | | 153 | 3.8 | -1.7 | 3.4 | | 134 | 5.1 | -3.7 | 3.5 | | 139 | 5.6 | -3.7 | 4.3 | 500 |
| 250 | | 164 | 2.5 | -.7 | 2.4 | | 156 | 3.1 | -1.3 | 2.9 | | 145 | 4.5 | -2.6 | 3.7 | | 138 | 5.6 | -3.7 | 4.2 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/11 1142 GMT | | | | | 4/11 1838 GMT | | | | | 4/11 2321 GMT | | | | | 4/12 6 0 GMT | | | | |
| 2500 | | 255 | 2.5 | 2.4 | .7 | | 287 | 4.9 | 4.7 | -1.4 | | 270 | 3.6 | 3.6 | -.0 | | 313 | 3.8 | 2.8 | -2.5 | 2500 |
| 2250 | | 147 | 3.1 | -1.7 | 2.6 | | 225 | 3.1 | 2.2 | 2.2 | | 218 | 3.5 | 2.1 | 2.7 | | 278 | 2.0 | 2.0 | -.3 | 2250 |
| 2000 | | 121 | 3.3 | -2.9 | 1.7 | | 162 | 5.1 | -1.6 | 4.8 | | 143 | 5.6 | -3.4 | 4.4 | | 164 | 3.0 | -.8 | 2.9 | 2000 |
| 1750 | | 109 | 1.7 | -1.7 | .6 | | 132 | 7.5 | -5.6 | 5.0 | | 125 | 8.9 | -7.3 | 5.1 | | 148 | 7.0 | -3.7 | 6.0 | 1750 |
| 1500 | | 110 | 3.1 | -2.9 | 1.1 | | 120 | 8.9 | -7.7 | 4.5 | | 124 | 10.4 | -8.6 | 5.9 | | 145 | 9.4 | -5.4 | 7.6 | 1500 |
| 1250 | | 116 | 6.0 | -5.4 | 2.6 | | 118 | 9.9 | -8.8 | 4.7 | | 129 | 11.6 | -9.1 | 7.3 | | 137 | 9.1 | -6.2 | 6.7 | 1250 |
| 1000 | | 126 | 7.1 | -5.8 | 4.2 | | 124 | 10.1 | -8.4 | 5.6 | | 132 | 10.7 | -7.9 | 7.2 | | 130 | 8.1 | -6.2 | 5.3 | 1000 |
| 750 | | 138 | 6.4 | -4.3 | 4.8 | | 132 | 9.0 | -6.7 | 6.1 | | 142 | 9.2 | -5.7 | 7.2 | | 131 | 6.9 | -5.2 | 4.5 | 750 |
| 500 | | 146 | 5.6 | -3.1 | 4.7 | | 137 | 7.9 | -5.4 | 5.8 | | 155 | 7.7 | -3.2 | 7.0 | | 134 | 5.5 | -3.9 | 3.8 | 500 |
| 250 | | 143 | 5.6 | -3.3 | 4.5 | | 137 | 7.7 | -5.2 | 5.6 | | 163 | 5.6 | -1.6 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/12 1137 GMT | | | | | 4/12 18 4 GMT | | | | | 4/13 1150 GMT | | | | | 4/13 1713 GMT | | | | |
| 2500 | | 302 | 3.0 | 2.5 | -1.6 | | 250 | 2.2 | 2.1 | .7 | | 299 | 5.8 | 5.1 | -2.8 | | 292 | 3.4 | 3.2 | -1.3 | 2500 |
| 2250 | | 277 | 2.1 | 2.1 | -.3 | | 279 | 1.7 | 1.7 | -.3 | | 286 | 1.9 | 1.8 | -.5 | | 264 | 1.6 | 1.6 | .2 | 2250 |
| 2000 | | 191 | 2.5 | .5 | 2.5 | | 249 | 1.2 | 1.1 | .4 | | 169 | 1.3 | -.2 | 1.3 | | 175 | 1.8 | -.2 | 1.8 | 2000 |
| 1750 | | 153 | 5.9 | -2.7 | 5.2 | | 164 | 3.0 | -.9 | 2.9 | | 171 | 3.0 | -.5 | 2.9 | | 157 | 4.2 | -1.6 | 3.9 | 1750 |
| 1500 | | 134 | 8.0 | -5.8 | 5.6 | | 143 | 7.0 | -4.2 | 5.6 | | 157 | 4.5 | -1.8 | 4.1 | | 157 | 6.3 | -2.5 | 5.8 | 1500 |
| 1250 | | 129 | 9.3 | -7.2 | 5.9 | | 137 | 10.5 | -7.2 | 7.7 | | 130 | 7.4 | -5.6 | 4.8 | | 150 | 7.7 | -3.9 | 6.7 | 1250 |
| 1000 | | 131 | 9.4 | -7.1 | 6.2 | | 136 | 11.3 | -7.9 | 8.1 | | 124 | 11.1 | -9.1 | 6.3 | | 143 | 8.4 | -5.0 | 6.7 | 1000 |
| 750 | | 131 | 7.2 | -5.5 | 4.7 | | 133 | 9.3 | -6.8 | 6.3 | | 124 | 11.1 | -9.2 | 6.3 | | 140 | 8.5 | -5.4 | 6.5 | 750 |
| 500 | | 128 | 5.1 | -4.1 | 3.1 | | 125 | 6.8 | -5.6 | 3.9 | | 125 | 7.8 | -6.4 | 4.5 | | 137 | 8.0 | -5.4 | 5.9 | 500 |
| 250 | | 126 | 5.2 | -4.2 | 3.1 | | 117 | 6.0 | -5.3 | 2.8 | | 119 | 6.3 | -5.5 | 3.0 | | 133 | 7.3 | -5.4 | 5.0 | 250 |
| | | 4/13 1935 GMT | | | | | 4/13 2233 GMT | | | | | 4/14 125 GMT | | | | | 4/14 543 GMT | | | | |
| 2500 | | 292 | 4.2 | 3.9 | -1.6 | | 292 | 4.0 | 3.7 | -1.5 | | 275 | 3.6 | 3.6 | -.3 | | 300 | 4.5 | 3.9 | -2.3 | 2500 |
| 2250 | | 248 | 1.8 | 1.7 | .7 | | 274 | 2.4 | 2.4 | -.2 | | 189 | 2.4 | .4 | 2.3 | | 174 | 1.6 | -.2 | 1.6 | 2250 |
| 2000 | | 178 | 2.7 | -.1 | 2.7 | | 225 | 1.4 | 1.0 | 1.0 | | 159 | 5.1 | -1.8 | 4.8 | | 154 | 4.3 | -1.9 | 3.9 | 2000 |
| 1750 | | 168 | 3.7 | -.8 | 3.6 | | 177 | 2.5 | -.1 | 2.5 | | 152 | 7.1 | -3.3 | 6.3 | | 163 | 4.8 | -1.4 | 4.6 | 1750 |
| 1500 | | 153 | 4.7 | -2.1 | 4.2 | | 156 | 4.3 | -1.7 | 3.9 | | 141 | 7.2 | -4.5 | 5.6 | | 150 | 5.8 | -2.9 | 5.0 | 1500 |
| 1250 | | 140 | 7.1 | -4.6 | 5.5 | | 149 | 6.0 | -3.1 | 5.2 | | 126 | 6.2 | -5.0 | 3.6 | | 128 | 6.6 | -5.2 | 4.1 | 1250 |
| 1000 | | 135 | 8.3 | -5.8 | 5.9 | | 143 | 6.7 | -4.0 | 5.4 | | 128 | 5.2 | -4.1 | 3.2 | | 123 | 6.9 | -5.8 | 3.8 | 1000 |
| 750 | | 131 | 8.8 | -6.7 | 5.7 | | 137 | 7.4 | -5.1 | 5.4 | | 139 | 5.3 | -3.5 | 4.0 | | 135 | 7.4 | -5.2 | 5.2 | 750 |
| 500 | | 131 | 9.0 | -6.8 | 6.0 | | 142 | 7.0 | -4.3 | 5.5 | | 144 | 5.6 | -3.4 | 4.5 | | 145 | 7.2 | -4.2 | 5.9 | 500 |
| 250 | | 136 | 7.4 | -5.2 | 5.3 | | 146 | 6.1 | -3.4 | 5.0 | | 147 | 6.0 | -3.3 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/14 1115 GMT | | | | | 4/14 1814 GMT | | | | | 4/14 2344 GMT | | | | | 4/15 6 7 GMT | | | | |
| 2500 | | 137 | 1.1 | -.7 | .8 | | 152 | 3.5 | -1.6 | 3.1 | | 305 | 3.5 | 2.9 | -2.0 | | 135 | 3.6 | -2.5 | 2.5 | 2500 |
| 2250 | | 156 | 3.2 | -1.3 | 2.9 | | 152 | 4.9 | -2.3 | 4.3 | | 285 | .9 | .8 | -.2 | | 138 | 2.9 | -1.9 | 2.1 | 2250 |
| 2000 | | 159 | 3.9 | -1.4 | 3.6 | | 171 | 3.7 | -.6 | 3.7 | | 144 | 2.3 | -1.3 | 1.8 | | 133 | 2.5 | -1.8 | 1.7 | 2000 |
| 1750 | | 145 | 5.4 | -3.1 | 4.4 | | 174 | 4.4 | -.5 | 4.3 | | 152 | 3.3 | -1.5 | 2.9 | | 130 | 4.6 | -3.5 | 3.0 | 1750 |
| 1500 | | 132 | 7.0 | -5.2 | 4.7 | | 147 | 7.1 | -3.9 | 6.0 | | 204 | 1.7 | .7 | 1.6 | | 129 | 6.3 | -4.9 | 4.0 | 1500 |
| 1250 | | 130 | 8.6 | -6.6 | 5.5 | | 134 | 10.7 | -7.8 | 7.4 | 3 | 205 | 1.0 | .4 | .9 | | 135 | 6.3 | -4.4 | 4.5 | 1250 |
| 1000 | | 133 | 9.7 | -7.1 | 6.7 | | 133 | 12.4 | -9.1 | 8.4 | | 134 | 6.5 | -4.7 | 4.5 | | 142 | 6.3 | -3.8 | 5.0 | 1000 |
| 750 | | 140 | 9.3 | -6.0 | 7.1 | | 138 | 11.8 | -7.9 | 8.7 | | 136 | 9.5 | -6.6 | 6.8 | | 137 | 6.1 | -4.2 | 4.5 | 750 |
| 500 | | 148 | 7.7 | -4.1 | 6.5 | | 144 | 9.8 | -5.8 | 8.0 | | 139 | 8.0 | -5.3 | 6.0 | | 129 | 5.7 | -4.4 | 3.6 | 500 |
| 250 | | 149 | 6.4 | -3.2 | 5.5 | | 147 | 7.5 | -4.1 | 6.3 | | 135 | 7.5 | -5.3 | 5.4 | | 129 | 5.3 | -4.1 | 3.3 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/15 1147 GMT | | | | | 4/15 1717 GMT | | | | | 4/15 1915 GMT | | | | | 4/15 2240 GMT | | | | |
| 2500 | | 276 | 1.3 | 1.3 | -.1 | | 165 | 3.7 | -1.0 | 3.5 | | 170 | 4.6 | -.8 | 4.5 | | 233 | 4.6 | 3.7 | 2.8 | 2500 |
| 2250 | | 156 | 3.0 | -1.2 | 2.8 | | 157 | 3.9 | -1.5 | 3.6 | | 164 | 4.1 | -1.2 | 4.0 | | 236 | 5.0 | 4.2 | 2.8 | 2250 |
| 2000 | | 145 | 2.8 | -1.6 | 2.3 | | 151 | 5.3 | -2.6 | 4.6 | | 152 | 4.9 | -2.4 | 4.4 | | 221 | 4.5 | 3.0 | 3.4 | 2000 |
| 1750 | | 133 | 4.6 | -3.4 | 3.2 | | 153 | 8.2 | -3.7 | 7.3 | | 149 | 7.7 | -3.9 | 6.6 | 3 | 199 | 5.2 | 1.7 | 4.9 | 1750 |
| 1500 | | 134 | 7.6 | -5.4 | 5.3 | | 152 | 9.9 | -4.7 | 8.7 | | 151 | 9.8 | -4.7 | 8.6 | | 186 | 5.8 | .6 | 5.8 | 1500 |
| 1250 | | 131 | 8.9 | -6.7 | 5.8 | | 148 | 9.5 | -5.0 | 8.1 | | 148 | 10.1 | -5.3 | 8.6 | | 167 | 6.3 | -1.4 | 6.2 | 1250 |
| 1000 | | 121 | 8.9 | -7.6 | 4.5 | | 149 | 9.5 | -5.0 | 8.1 | | 139 | 9.8 | -6.4 | 7.4 | | 153 | 7.5 | -3.4 | 6.7 | 1000 |
| 750 | | 123 | 7.8 | -6.6 | 4.2 | | 149 | 9.2 | -4.8 | 7.8 | | 135 | 8.3 | -5.9 | 5.9 | | 146 | 7.3 | -4.0 | 6.1 | 750 |
| 500 | | 139 | 6.7 | -4.4 | 5.0 | | 148 | 7.1 | -3.8 | 6.0 | | 137 | 6.8 | -4.6 | 5.0 | | 145 | 5.0 | -2.9 | 4.2 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 148 | 5.6 | -2.9 | 4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 150 | 3.9 | -2.0 | 3.4 | 250 |
| | | 4/16 115 GMT | | | | | 4/16 554 GMT | | | | | 4/16 1148 GMT | | | | | 4/17 1736 GMT | | | | |
| 2500 | | 211 | 4.8 | 2.5 | 4.1 | | 236 | 4.7 | 3.9 | 2.6 | | 216 | 5.6 | 3.2 | 4.5 | | 183 | 4.7 | .3 | 4.7 | 2500 |
| 2250 | | 217 | 5.0 | 3.0 | 4.0 | | 246 | 4.5 | 4.1 | 1.8 | | 219 | 4.0 | 2.5 | 3.1 | | 173 | 3.8 | -.5 | 3.8 | 2250 |
| 2000 | | 221 | 4.4 | 2.8 | 3.3 | | 246 | 4.3 | 4.0 | 1.7 | | 213 | 3.8 | 2.1 | 3.2 | | 162 | 2.7 | -.9 | 2.6 | 2000 |
| 1750 | | 225 | 4.0 | 2.9 | 2.8 | | 252 | 4.4 | 4.2 | 1.3 | | 191 | 4.8 | .9 | 4.7 | | 148 | 1.4 | -.8 | 1.2 | 1750 |
| 1500 | | 237 | 4.5 | 3.8 | 2.5 | | 227 | 3.9 | 2.9 | 2.7 | | 173 | 5.5 | -.6 | 5.5 | | 128 | 1.7 | -1.4 | 1.1 | 1500 |
| 1250 | | 215 | 4.5 | 2.5 | 3.7 | | 175 | 6.3 | -.6 | 6.3 | | 167 | 5.6 | -1.2 | 5.4 | | 132 | 3.2 | -2.4 | 2.1 | 1250 |
| 1000 | | 166 | 5.9 | -1.4 | 5.7 | | 158 | 9.6 | -3.6 | 8.9 | | 165 | 6.2 | -1.6 | 5.9 | | 137 | 4.4 | -3.0 | 3.2 | 1000 |
| 750 | | 146 | 7.4 | -4.1 | 6.2 | | 152 | 10.2 | -4.8 | 9.1 | | 160 | 6.7 | -2.3 | 6.3 | | 134 | 4.9 | -3.6 | 3.4 | 750 |
| 500 | | 143 | 6.4 | -3.8 | 5.2 | | 154 | 8.9 | -3.9 | 8.1 | | 159 | 5.6 | -2.0 | 5.2 | | 125 | 5.1 | -4.2 | 2.9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 164 | 6.8 | -1.9 | 6.6 | | 162 | 4.1 | -1.3 | 3.9 | | 124 | 4.8 | -4.0 | 2.7 | 250 |
| | | 4/17 1921 GMT | | | | | 4/17 23 4 GMT | | | | | 4/18 137 GMT | | | | | 4/18 543 GMT | | | | |
| 2500 | | 176 | 4.2 | -.3 | 4.2 | | 151 | 4.0 | -1.9 | 3.5 | | 148 | 3.8 | -2.0 | 3.2 | | 147 | 5.1 | -2.8 | 4.3 | 2500 |
| 2250 | | 165 | 3.5 | -.9 | 3.4 | | 144 | 4.0 | -2.4 | 3.2 | | 139 | 3.1 | -2.0 | 2.4 | | 140 | 3.4 | -2.2 | 2.6 | 2250 |
| 2000 | | 152 | 2.3 | -1.1 | 2.1 | | 136 | 3.2 | -2.2 | 2.3 | | 124 | 2.4 | -2.0 | 1.3 | | 117 | 2.4 | -2.2 | 1.1 | 2000 |
| 1750 | | 148 | 1.4 | -.7 | 1.2 | | 122 | 2.4 | -2.0 | 1.3 | | 88 | 1.9 | -1.9 | -.1 | | 89 | 2.4 | -2.4 | -.0 | 1750 |
| 1500 | | 148 | 2.3 | -1.2 | 2.0 | | 125 | 2.9 | -2.4 | 1.7 | | 89 | 2.1 | -2.1 | -.0 | | 76 | 2.8 | -2.7 | -.7 | 1500 |
| 1250 | | 142 | 4.4 | -2.7 | 3.5 | | 127 | 4.0 | -3.2 | 2.4 | | 113 | 3.3 | -3.0 | 1.3 | | 82 | 3.8 | -3.8 | -.6 | 1250 |
| 1000 | | 134 | 5.5 | -4.0 | 3.8 | | 121 | 4.7 | -4.0 | 2.4 | | 111 | 4.4 | -4.1 | 1.6 | | 82 | 4.6 | -4.6 | -.6 | 1000 |
| 750 | | 122 | 5.8 | -4.9 | 3.0 | | 122 | 5.0 | -4.2 | 2.7 | | 102 | 4.5 | -4.4 | 1.0 | | 81 | 4.3 | -4.2 | -.7 | 750 |
| 500 | | 118 | 5.5 | -4.9 | 2.5 | | 125 | 5.3 | -4.3 | 3.0 | | 99 | 4.1 | -4.0 | .7 | | 83 | 4.2 | -4.2 | -.5 | 500 |
| 250 | | 133 | 4.5 | -3.3 | 3.1 | | 120 | 4.8 | -4.1 | 2.4 | | 97 | 3.4 | -3.4 | .4 | | 82 | 5.6 | -5.6 | -.8 | 250 |
| | | 4/18 1147 GMT | | | | | 4/18 1755 GMT | | | | | 4/18 2339 GMT | | | | | 4/19 557 GMT | | | | |
| 2500 | | 150 | 3.1 | -1.5 | 2.7 | | 99 | 3.8 | -3.8 | .6 | | 83 | 6.4 | -6.4 | -.8 | | 79 | 8.2 | -8.1 | -1.5 | 2500 |
| 2250 | | 144 | 2.2 | -1.3 | 1.8 | | 88 | 3.8 | -3.8 | -.1 | | 77 | 5.7 | -5.5 | -1.3 | | 76 | 7.9 | -7.6 | -1.9 | 2250 |
| 2000 | | 123 | 1.7 | -1.4 | .9 | | 84 | 3.9 | -3.9 | -.4 | | 74 | 5.5 | -5.2 | -1.5 | | 64 | 8.1 | -7.3 | -3.6 | 2000 |
| 1750 | | 79 | 2.2 | -2.2 | -.4 | | 83 | 4.4 | -4.4 | -.5 | | 75 | 5.3 | -5.1 | -1.3 | | 56 | 8.3 | -6.8 | -4.7 | 1750 |
| 1500 | | 66 | 3.8 | -3.4 | -1.5 | | 80 | 5.3 | -5.2 | -.9 | | 74 | 4.9 | -4.7 | -1.4 | | 53 | 7.9 | -6.3 | -4.8 | 1500 |
| 1250 | | 68 | 5.0 | -4.7 | -1.9 | | 77 | 6.8 | -6.6 | -1.6 | | 63 | 5.4 | -4.9 | -2.5 | | 53 | 8.8 | -7.0 | -5.3 | 1250 |
| 1000 | | 72 | 5.9 | -5.6 | -1.8 | | 77 | 7.9 | -7.7 | -1.8 | | 57 | 6.9 | -5.7 | -3.7 | | 54 | 9.8 | -8.0 | -5.8 | 1000 |
| 750 | | 74 | 5.9 | -5.7 | -1.7 | | 77 | 7.5 | -7.3 | -1.7 | | 63 | 7.0 | -6.2 | -3.2 | | 53 | 9.6 | -7.7 | -5.8 | 750 |
| 500 | | 74 | 5.3 | -5.1 | -1.5 | | 73 | 6.2 | -6.0 | -1.8 | | 68 | 6.2 | -5.8 | -2.3 | | 50 | 9.0 | -6.9 | -5.7 | 500 |
| 250 | | 76 | 4.9 | -4.8 | -1.2 | | 58 | 5.3 | -4.5 | -2.8 | | 69 | 6.6 | -6.1 | -2.4 | | 57 | 8.9 | -7.4 | -4.9 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

PALMYRA ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/19 1210 GMT | | | | | 4/19 17 5 GMT | | | | | 4/19 1937 GMT | | | | | 4/19 2328 GMT | | | | |
| 2500 | | 75 | 8.8 | -8.5 | -2.3 | | 75 | 9.5 | -9.2 | -2.5 | | 84 | 11.3 | -11.2 | -1.1 | | 83 | 8.3 | -8.2 | -1.0 | 2500 |
| 2250 | | 73 | 10.0 | -9.6 | -2.9 | | 73 | 10.3 | -9.9 | -3.0 | | 80 | 11.5 | -11.3 | -2.0 | | 85 | 9.7 | -9.7 | -.8 | 2250 |
| 2000 | | 69 | 10.9 | -10.2 | -4.0 | | 72 | 11.1 | -10.5 | -3.5 | | 76 | 11.5 | -11.2 | -2.8 | | 90 | 10.5 | -10.5 | .0 | 2000 |
| 1750 | | 66 | 11.3 | -10.4 | -4.6 | | 76 | 12.2 | -11.8 | -2.9 | | 74 | 12.0 | -11.6 | -3.3 | | 97 | 9.4 | -9.4 | 1.1 | 1750 |
| 1500 | | 63 | 11.2 | -10.0 | -5.1 | | 77 | 12.6 | -12.3 | -2.8 | | 77 | 12.9 | -12.5 | -3.0 | | 99 | 8.5 | -8.4 | 1.4 | 1500 |
| 1250 | | 62 | 10.9 | -9.6 | -5.1 | | 75 | 12.5 | -12.1 | -3.1 | | 82 | 12.9 | -12.8 | -1.9 | | 91 | 10.2 | -10.2 | .3 | 1250 |
| 1000 | | 66 | 10.8 | -9.8 | -4.4 | | 75 | 13.0 | -12.5 | -3.3 | | 84 | 12.0 | -12.0 | -1.2 | | 84 | 11.7 | -11.7 | -1.2 | 1000 |
| 750 | | 66 | 11.4 | -10.4 | -4.6 | | 75 | 13.3 | -12.8 | -3.5 | | 82 | 10.6 | -10.5 | -1.4 | | 79 | 10.6 | -10.3 | -2.1 | 750 |
| 500 | | 65 | 11.0 | -10.0 | -4.6 | | 76 | 12.3 | -11.9 | -3.0 | | 81 | 9.9 | -9.8 | -1.6 | | 73 | 9.0 | -8.6 | -2.6 | 500 |
| 250 | | 68 | 9.8 | -9.1 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 72 | 8.8 | -8.4 | -2.7 | 250 |
| | | 4/20 2 0 GMT | | | | | 4/20 7 5 GMT | | | | | 4/20 1143 GMT | | | | | 4/20 1740 GMT | | | | |
| 2500 | | 92 | 7.6 | -7.6 | .2 | 2 | 95 | 8.9 | -8.9 | .8 | | 116 | 8.4 | -7.6 | 3.7 | | 110 | 8.8 | -8.2 | 3.0 | 2500 |
| 2250 | | 97 | 6.2 | -6.2 | .8 | 2 | 97 | 9.3 | -9.3 | 1.1 | | 108 | 7.4 | -7.0 | 2.3 | | 117 | 9.6 | -8.5 | 4.3 | 2250 |
| 2000 | | 98 | 6.9 | -6.9 | 1.0 | | 98 | 9.5 | -9.4 | 1.3 | | 113 | 7.6 | -7.0 | 3.0 | | 121 | 10.4 | -8.9 | 5.4 | 2000 |
| 1750 | | 98 | 8.0 | -8.0 | 1.1 | | 97 | 9.6 | -9.6 | 1.2 | | 122 | 8.6 | -7.3 | 4.6 | | 123 | 10.5 | -8.7 | 5.7 | 1750 |
| 1500 | | 99 | 8.0 | -7.9 | 1.2 | | 94 | 9.4 | -9.4 | .7 | | 124 | 8.7 | -7.1 | 4.9 | | 120 | 10.1 | -8.8 | 5.0 | 1500 |
| 1250 | | 94 | 7.9 | -7.9 | .5 | | 96 | 8.8 | -8.7 | .9 | | 126 | 9.4 | -7.6 | 5.5 | | 117 | 10.0 | -8.9 | 4.6 | 1250 |
| 1000 | | 83 | 9.5 | -9.4 | -1.2 | | 103 | 8.9 | -8.6 | 2.0 | | 126 | 10.9 | -8.7 | 6.5 | | 120 | 10.6 | -9.1 | 5.3 | 1000 |
| 750 | | 79 | 10.3 | -10.1 | -2.0 | | 108 | 9.3 | -8.8 | 2.9 | | 125 | 11.5 | -9.3 | 6.7 | | 125 | 10.5 | -8.6 | 5.9 | 750 |
| 500 | | 77 | 9.2 | -9.0 | -2.1 | | 109 | 8.7 | -8.3 | 2.8 | | 128 | 11.0 | -8.6 | 6.9 | | 131 | 8.8 | -6.6 | 5.8 | 500 |
| 250 | | 72 | 8.6 | -8.2 | -2.7 | | 110 | 8.1 | -7.6 | 2.8 | | 132 | 9.6 | -7.1 | 6.4 | | 137 | 6.8 | -4.6 | 4.9 | 250 |
| | | 4/20 2324 GMT | | | | | 4/21 612 GMT | | | | | 4/21 1142 GMT | | | | | 4/21 1728 GMT | | | | |
| 2500 | | 94 | 6.8 | -6.8 | .5 | | 96 | 9.4 | -9.4 | 1.0 | | 91 | 6.1 | -6.1 | .1 | | 89 | 4.5 | -4.5 | -.1 | 2500 |
| 2250 | | 99 | 7.9 | -7.8 | 1.2 | | 94 | 11.1 | -11.1 | .8 | | 90 | 6.1 | -6.1 | .0 | | 87 | 3.8 | -3.8 | -.2 | 2250 |
| 2000 | | 106 | 8.9 | -8.5 | 2.4 | | 95 | 10.0 | -10.0 | .8 | | 87 | 6.5 | -6.5 | -.3 | | 102 | 3.3 | -3.3 | .7 | 2000 |
| 1750 | | 109 | 8.8 | -8.3 | 2.8 | | 97 | 8.4 | -8.3 | 1.1 | | 81 | 7.1 | -7.0 | -1.1 | | 117 | 3.9 | -3.5 | 1.8 | 1750 |
| 1500 | | 104 | 8.5 | -8.3 | 2.1 | | 94 | 8.6 | -8.5 | .6 | | 83 | 7.2 | -7.1 | -.8 | | 111 | 4.2 | -3.9 | 1.5 | 1500 |
| 1250 | | 102 | 9.0 | -8.8 | 2.0 | | 91 | 9.5 | -9.5 | .2 | | 94 | 7.0 | -7.0 | .5 | | 101 | 4.2 | -4.1 | .8 | 1250 |
| 1000 | | 108 | 9.6 | -9.1 | 3.0 | | 93 | 10.0 | -10.0 | .5 | | 97 | 7.0 | -7.0 | .9 | | 90 | 4.1 | -4.1 | .0 | 1000 |
| 750 | | 117 | 8.5 | -7.6 | 3.8 | | 92 | 10.2 | -10.2 | .4 | | 91 | 6.8 | -6.7 | .1 | | 94 | 4.2 | -4.2 | .3 | 750 |
| 500 | | 124 | 6.8 | -5.7 | 3.8 | | 90 | 8.8 | -8.8 | -.0 | | 87 | 6.0 | -6.0 | -.3 | | 101 | 4.0 | -4.0 | .8 | 500 |
| 250 | | 121 | 6.8 | -5.8 | 3.5 | | 91 | 6.5 | -6.5 | .1 | | 87 | 4.6 | -4.5 | -.2 | | 77 | 3.8 | -3.7 | -.9 | 250 |
| | | 4/21 1930 GMT | | | | | 4/21 2231 GMT | | | | | | | | | | | | | | |
| 2500 | | 92 | 4.5 | -4.5 | .2 | | 79 | 8.9 | -8.7 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2500 |
| 2250 | | 102 | 4.4 | -4.3 | .9 | | 81 | 8.7 | -8.5 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2250 |
| 2000 | | 101 | 4.5 | -4.4 | .9 | | 87 | 7.1 | -7.1 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2000 |
| 1750 | | 94 | 4.9 | -4.9 | .3 | | 90 | 5.7 | -5.7 | -.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1750 |
| 1500 | | 93 | 5.4 | -5.4 | .3 | | 86 | 5.2 | -5.2 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1500 |
| 1250 | | 94 | 5.7 | -5.7 | .4 | | 80 | 5.7 | -5.6 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1250 |
| 1000 | | 90 | 5.8 | -5.8 | -.0 | | 74 | 6.6 | -6.3 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1000 |
| 750 | | 82 | 5.5 | -5.5 | -.7 | | 65 | 7.1 | -6.5 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 750 |
| 500 | | 78 | 5.0 | -4.9 | -1.0 | | 58 | 6.7 | -5.6 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 500 |
| 250 | | 76 | 4.2 | -4.0 | -1.0 | | 54 | 5.8 | -4.7 | -3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/ 2 1220 GMT | | | | | 3/ 3 7 0 GMT | | | | | 3/ 3 1235 GMT | | | | | 3/ 3 1510 GMT | | | | |
| 2500 | | 89 | 9.2 | -9.2 | -.1 | | 81 | 6.0 | -6.0 | -.9 | | 84 | 5.4 | -5.3 | -.6 | | 72 | 4.7 | -4.5 | -1.5 | 2500 |
| 2250 | | 93 | 7.9 | -7.9 | .4 | | 95 | 3.5 | -3.5 | .3 | | 77 | 3.6 | -3.5 | -.8 | | 81 | 4.0 | -3.9 | -.7 | 2250 |
| 2000 | | 96 | 8.1 | -8.1 | .8 | | 117 | 1.7 | -1.6 | .8 | | 66 | 1.7 | -1.5 | -.7 | | 98 | 2.3 | -2.3 | .3 | 2000 |
| 1750 | | 96 | 8.5 | -8.5 | 1.0 | | 87 | .9 | -.9 | -.0 | | 90 | 1.6 | -1.6 | .0 | | 111 | 2.1 | -2.0 | .7 | 1750 |
| 1500 | | 103 | 9.4 | -9.2 | 2.0 | | 59 | 2.8 | -2.4 | -1.4 | | 86 | 3.4 | -3.4 | -.2 | | 97 | 3.6 | -3.5 | .5 | 1500 |
| 1250 | 3 | 114 | 10.9 | -10.0 | 4.4 | 3 | 71 | 5.9 | -5.5 | -1.9 | 3 | 74 | 5.7 | -5.4 | -1.6 | 3 | 95 | 5.5 | -5.5 | .5 | 1250 |
| 1000 | 2 | 118 | 10.8 | -9.6 | 5.0 | 2 | 83 | 7.3 | -7.3 | -1.0 | 2 | 76 | 6.9 | -6.7 | -1.6 | 2 | 106 | 7.2 | -6.9 | 2.0 | 1000 |
| 750 | 2 | 117 | 9.6 | -8.6 | 4.4 | 2 | 90 | 7.4 | -7.4 | .0 | 2 | 89 | 7.4 | -7.4 | -.1 | 2 | 115 | 8.1 | -7.3 | 3.4 | 750 |
| 500 | 2 | 121 | 7.7 | -6.7 | 3.9 | 2 | 92 | 7.2 | -7.2 | .2 | 2 | 90 | 6.4 | -6.4 | .0 | 3 | 111 | 7.1 | -6.6 | 2.6 | 500 |
| 250 | | 125 | 5.4 | -4.4 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 85 | 4.7 | -4.7 | -.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/ 3 18 0 GMT | | | | | 3/ 3 2055 GMT | | | | | 3/ 4 1 0 GMT | | | | | 3/ 4 315 GMT | | | | |
| 2500 | | 68 | 5.0 | -4.7 | -1.9 | | 92 | 4.5 | -4.5 | .2 | | 105 | 3.5 | -3.4 | .9 | | 101 | 4.7 | -4.6 | .9 | 2500 |
| 2250 | | 85 | 4.5 | -4.5 | -.4 | | 96 | 4.9 | -4.9 | .5 | | 86 | 4.4 | -4.3 | -.3 | | 87 | 5.0 | -5.0 | -.2 | 2250 |
| 2000 | | 98 | 2.3 | -2.3 | .3 | | 96 | 4.3 | -4.3 | .5 | | 79 | 4.6 | -4.5 | -.8 | | 78 | 4.8 | -4.7 | -1.0 | 2000 |
| 1750 | | 84 | 2.3 | -2.3 | -.2 | | 93 | 4.3 | -4.3 | .3 | | 87 | 5.7 | -5.7 | -.3 | | 85 | 5.7 | -5.7 | -.5 | 1750 |
| 1500 | | 94 | 5.2 | -5.2 | .4 | | 93 | 5.6 | -5.6 | .3 | | 94 | 6.0 | -6.0 | .4 | | 95 | 6.4 | -6.3 | .6 | 1500 |
| 1250 | 3 | 108 | 8.0 | -7.6 | 2.5 | 3 | 97 | 6.8 | -6.7 | .9 | 3 | 98 | 6.1 | -6.0 | .8 | 3 | 116 | 6.1 | -5.5 | 2.6 | 1250 |
| 1000 | 2 | 108 | 8.6 | -8.1 | 2.7 | 3 | 102 | 7.6 | -7.4 | 1.6 | 2 | 98 | 7.0 | -7.0 | 1.0 | 2 | 128 | 6.2 | -4.9 | 3.8 | 1000 |
| 750 | 2 | 100 | 7.8 | -7.7 | 1.4 | | 106 | 7.4 | -7.1 | 2.0 | 2 | 98 | 6.7 | -6.6 | .9 | 2 | 123 | 5.4 | -4.5 | 3.0 | 750 |
| 500 | 2 | 110 | 6.3 | -5.9 | 2.2 | | 106 | 6.0 | -5.8 | 1.7 | 3 | 98 | 4.5 | -4.5 | .6 | | 120 | 4.4 | -3.8 | 2.2 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 4.8 | -4.8 | .6 | | 96 | 3.8 | -3.7 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/ 4 6 0 GMT | | | | | 3/ 4 840 GMT | | | | | 3/ 4 1145 GMT | | | | | 3/ 4 18 5 GMT | | | | |
| 2500 | | 97 | 5.0 | -5.0 | .6 | | 93 | 4.8 | -4.8 | .2 | 2 | 100 | 7.9 | -7.8 | 1.3 | | 119 | 5.9 | -5.2 | 2.8 | 2500 |
| 2250 | | 89 | 5.4 | -5.4 | -.1 | | 93 | 6.3 | -6.3 | .3 | 2 | 103 | 11.9 | -11.6 | 2.7 | | 112 | 6.9 | -6.4 | 2.6 | 2250 |
| 2000 | | 85 | 5.3 | -5.3 | -.5 | | 96 | 7.5 | -7.5 | .8 | 2 | 101 | 4.9 | -4.8 | .9 | | 104 | 8.7 | -8.4 | 2.1 | 2000 |
| 1750 | | 86 | 6.1 | -6.1 | -.4 | | 95 | 7.6 | -7.6 | .7 | 2 | 339 | .9 | .3 | -.8 | | 98 | 9.7 | -9.6 | 1.3 | 1750 |
| 1500 | | 99 | 7.3 | -7.3 | 1.1 | 3 | 98 | 6.8 | -6.7 | 1.0 | 2 | 93 | 4.0 | -4.0 | .2 | | 91 | 9.7 | -9.7 | .2 | 1500 |
| 1250 | 3 | 110 | 8.6 | -8.0 | 3.0 | 2 | 111 | 6.7 | -6.3 | 2.4 | 2 | 102 | 6.0 | -5.8 | 1.2 | 3 | 95 | 9.7 | -9.7 | .8 | 1250 |
| 1000 | 2 | 116 | 8.5 | -7.7 | 3.7 | 2 | 116 | 7.0 | -6.3 | 3.1 | 2 | 98 | 4.9 | -4.8 | .6 | 2 | 101 | 10.4 | -10.2 | 2.0 | 1000 |
| 750 | 2 | 120 | 6.9 | -5.9 | 3.4 | 2 | 117 | 6.2 | -5.5 | 2.8 | 2 | 97 | 5.6 | -5.5 | .7 | 2 | 105 | 9.7 | -9.4 | 2.6 | 750 |
| 500 | 2 | 122 | 4.4 | -3.7 | 2.3 | 2 | 134 | 4.9 | -3.5 | 3.4 | 2 | 107 | 4.9 | -4.7 | 1.4 | 2 | 116 | 8.0 | -7.2 | 3.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 115 | 4.4 | -4.0 | 1.9 | 2 | 125 | 8.9 | -7.3 | 5.1 | 250 |
| | | 3/ 4 2345 GMT | | | | | 3/ 5 815 GMT | | | | | 3/ 5 1215 GMT | | | | | 3/ 5 1855 GMT | | | | |
| 2500 | | 109 | 6.2 | -5.9 | 2.1 | | 98 | 10.2 | -10.1 | 1.4 | | 96 | 8.0 | -8.0 | .8 | | 111 | 10.0 | -9.3 | 3.6 | 2500 |
| 2250 | | 110 | 9.4 | -8.9 | 3.2 | | 107 | 10.3 | -9.8 | 3.0 | | 100 | 7.7 | -7.5 | 1.4 | | 96 | 10.7 | -10.6 | 1.0 | 2250 |
| 2000 | | 101 | 9.3 | -9.1 | 1.8 | | 98 | 10.7 | -10.6 | 1.6 | | 104 | 7.9 | -7.7 | 1.9 | | 89 | 11.3 | -11.3 | -.2 | 2000 |
| 1750 | | 92 | 8.5 | -8.5 | .3 | | 79 | 12.5 | -12.3 | -2.4 | 3 | 92 | 8.5 | -8.5 | .3 | | 86 | 12.0 | -12.0 | -.9 | 1750 |
| 1500 | | 82 | 8.7 | -8.7 | -1.2 | | 73 | 14.0 | -13.3 | -4.2 | 2 | 78 | 9.9 | -9.7 | -2.1 | | 84 | 12.6 | -12.6 | -1.4 | 1500 |
| 1250 | 3 | 82 | 10.0 | -9.9 | -1.4 | 3 | 76 | 14.0 | -13.6 | -3.4 | 2 | 75 | 11.5 | -11.2 | -2.9 | 3 | 86 | 13.4 | -13.4 | -.9 | 1250 |
| 1000 | 2 | 92 | 12.1 | -12.1 | .4 | 2 | 77 | 14.2 | -13.8 | -3.3 | 2 | 76 | 12.8 | -12.5 | -3.0 | 3 | 90 | 13.9 | -13.9 | -.1 | 1000 |
| 750 | 2 | 98 | 11.4 | -11.3 | 1.6 | 2 | 75 | 14.1 | -13.6 | -3.7 | 2 | 77 | 13.7 | -13.3 | -3.2 | 2 | 91 | 13.2 | -13.2 | .2 | 750 |
| 500 | 2 | 103 | 7.8 | -7.6 | 1.7 | 2 | 75 | 11.7 | -11.3 | -3.0 | 2 | 78 | 13.0 | -12.7 | -2.8 | 2 | 90 | 11.0 | -11.0 | -.0 | 500 |
| 250 | 2 | 114 | 7.2 | -6.6 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 79 | 11.5 | -11.2 | -2.2 | 2 | 89 | 8.2 | -8.2 | -.2 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/ 5 2345 GMT | | | | | 3/ 6 610 GMT | | | | | 3/ 6 1135 GMT | | | | | 3/ 6 1825 GMT | | | | |
| 2500 | | 113 | 9.1 | -8.4 | 3.5 | | 104 | 7.8 | -7.6 | 1.9 | | 105 | 7.8 | -7.5 | 2.0 | | 96 | 7.5 | -7.4 | .7 | 2500 |
| 2250 | | 102 | 9.1 | -8.9 | 1.9 | | 93 | 11.2 | -11.2 | .6 | | 93 | 10.8 | -10.8 | .6 | | 96 | 7.8 | -7.7 | .8 | 2250 |
| 2000 | | 94 | 9.8 | -9.7 | .7 | | 87 | 14.3 | -14.2 | -.7 | | 92 | 13.3 | -13.3 | .5 | | 98 | 9.9 | -9.8 | 1.4 | 2000 |
| 1750 | | 87 | 10.4 | -10.4 | -.5 | | 82 | 14.1 | -13.9 | -1.9 | | 91 | 14.5 | -14.5 | .3 | | 100 | 11.5 | -11.3 | 1.9 | 1750 |
| 1500 | | 84 | 10.3 | -10.2 | -1.0 | | 75 | 11.7 | -11.3 | -3.0 | | 79 | 14.3 | -14.0 | -2.7 | | 99 | 12.1 | -12.0 | 1.9 | 1500 |
| 1250 | 3 | 84 | 9.8 | -9.8 | -1.0 | 3 | 73 | 9.8 | -9.3 | -2.8 | | 69 | 13.9 | -13.0 | -5.0 | 3 | 97 | 12.3 | -12.2 | 1.5 | 1250 |
| 1000 | 2 | 85 | 9.8 | -9.7 | -.8 | 2 | 83 | 8.5 | -8.4 | -1.1 | | 70 | 13.2 | -12.4 | -4.5 | 2 | 94 | 12.4 | -12.3 | .9 | 1000 |
| 750 | 2 | 92 | 10.7 | -10.7 | .5 | 2 | 96 | 8.4 | -8.3 | .9 | 3 | 77 | 12.3 | -12.0 | -2.7 | 2 | 91 | 12.4 | -12.4 | .1 | 750 |
| 500 | 2 | 100 | 10.6 | -10.5 | 1.8 | 2 | 105 | 9.2 | -8.9 | 2.4 | 2 | 82 | 10.2 | -10.1 | -1.4 | 2 | 90 | 11.9 | -11.9 | .0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 109 | 10.1 | -9.6 | 3.2 | 2 | 87 | 8.4 | -8.4 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/ 7 019 GMT | | | | | 3/ 7 3 0 GMT | | | | | 3/ 7 850 GMT | | | | | 3/ 7 12 0 GMT | | | | |
| 2500 | | 109 | 8.8 | -8.3 | 2.8 | | 112 | 7.3 | -6.8 | 2.8 | | 111 | 6.4 | -6.0 | 2.3 | | 107 | 6.1 | -5.8 | 1.7 | 2500 |
| 2250 | | 97 | 9.4 | -9.3 | 1.1 | | 105 | 8.3 | -8.0 | 2.2 | | 97 | 7.9 | -7.8 | 1.0 | | 81 | 8.3 | -8.2 | -1.3 | 2250 |
| 2000 | | 80 | 11.2 | -11.0 | -2.0 | | 88 | 9.0 | -9.0 | -.3 | | 76 | 9.6 | -9.4 | -2.3 | | 77 | 12.3 | -11.9 | -2.7 | 2000 |
| 1750 | | 73 | 12.2 | -11.7 | -3.5 | | 69 | 8.8 | -8.2 | -3.2 | | 62 | 11.7 | -10.3 | -5.5 | | 84 | 14.5 | -14.4 | -1.4 | 1750 |
| 1500 | | 80 | 11.1 | -10.9 | -1.9 | | 65 | 9.6 | -8.7 | -4.0 | 3 | 64 | 12.8 | -11.5 | -5.5 | | 87 | 14.6 | -14.6 | -.7 | 1500 |
| 1250 | 3 | 96 | 9.3 | -9.3 | 1.0 | 3 | 78 | 12.1 | -11.8 | -2.5 | 2 | 75 | 13.3 | -12.9 | -3.5 | 3 | 84 | 13.8 | -13.7 | -1.5 | 1250 |
| 1000 | 2 | 101 | 10.1 | -9.9 | 1.9 | 2 | 86 | 13.8 | -13.7 | -1.0 | 2 | 82 | 14.2 | -14.0 | -2.0 | 2 | 80 | 13.7 | -13.5 | -2.3 | 1000 |
| 750 | 2 | 97 | 10.9 | -10.8 | 1.4 | 2 | 88 | 12.5 | -12.5 | -.5 | 2 | 84 | 14.1 | -14.0 | -1.6 | 2 | 80 | 13.8 | -13.6 | -2.5 | 750 |
| 500 | 2 | 95 | 8.4 | -8.4 | .8 | 2 | 89 | 10.1 | -10.1 | -.1 | 2 | 82 | 12.9 | -12.7 | -1.8 | 2 | 82 | 12.8 | -12.7 | -1.9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/ 7 1430 GMT | | | | | 3/ 7 2110 GMT | | | | | 3/ 8 0 5 GMT | | | | | 3/ 8 558 GMT | | | | |
| 2500 | | 104 | 6.7 | -6.5 | 1.6 | | 103 | 8.8 | -8.6 | 2.0 | | 87 | 13.0 | -13.0 | -.8 | | 121 | 5.9 | -5.1 | 3.0 | 2500 |
| 2250 | | 92 | 8.5 | -8.5 | .2 | | 91 | 11.4 | -11.4 | .3 | | 86 | 12.8 | -12.7 | -1.0 | | 118 | 6.4 | -5.7 | 3.0 | 2250 |
| 2000 | | 81 | 12.8 | -12.6 | -2.1 | | 85 | 11.7 | -11.7 | -1.0 | | 83 | 12.7 | -12.6 | -1.5 | | 98 | 8.6 | -8.5 | 1.2 | 2000 |
| 1750 | | 78 | 13.7 | -13.4 | -3.0 | | 81 | 11.8 | -11.6 | -1.9 | | 83 | 13.3 | -13.2 | -1.7 | | 84 | 11.7 | -11.7 | -1.2 | 1750 |
| 1500 | | 82 | 12.5 | -12.4 | -1.7 | | 80 | 12.4 | -12.2 | -2.1 | | 86 | 14.6 | -14.6 | -1.0 | | 81 | 11.3 | -11.1 | -1.7 | 1500 |
| 1250 | | 93 | 13.0 | -13.0 | .7 | 3 | 85 | 12.6 | -12.6 | -1.0 | 3 | 92 | 15.4 | -15.4 | .5 | | 84 | 7.8 | -7.7 | -.8 | 1250 |
| 1000 | 2 | 98 | 13.7 | -13.5 | 2.0 | 2 | 89 | 12.4 | -12.4 | -.1 | 2 | 97 | 14.9 | -14.8 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1000 |
| 750 | 2 | 97 | 14.3 | -14.2 | 1.8 | 2 | 92 | 12.2 | -12.2 | .5 | 2 | 97 | 13.5 | -13.4 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 750 |
| 500 | 2 | 95 | 11.2 | -11.1 | .9 | 2 | 94 | 9.8 | -9.8 | .7 | 2 | 91 | 10.8 | -10.8 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 95 | 8.8 | -8.7 | .8 | 2 | 91 | 9.8 | -9.8 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/ 8 15 3 GMT | | | | | 3/ 8 1840 GMT | | | | | 3/ 8 2249 GMT | | | | | 3/ 9 6 5 GMT | | | | |
| 2500 | | 88 | 12.2 | -12.2 | -.4 | | 90 | 14.4 | -14.4 | .1 | | 95 | 7.7 | -7.7 | .6 | 2 | 81 | 6.6 | -6.6 | -1.1 | 2500 |
| 2250 | | 84 | 13.2 | -13.1 | -1.4 | | 89 | 13.9 | -13.9 | -.3 | | 84 | 10.8 | -10.7 | -1.1 | 2 | 81 | 9.9 | -9.8 | -1.5 | 2250 |
| 2000 | | 83 | 12.8 | -12.6 | -1.6 | | 86 | 14.2 | -14.1 | -1.1 | | 79 | 13.0 | -12.7 | -2.6 | 2 | 82 | 12.9 | -12.8 | -1.7 | 2000 |
| 1750 | | 83 | 14.2 | -14.0 | -1.8 | | 84 | 14.2 | -14.1 | -1.4 | | 80 | 14.4 | -14.1 | -2.5 | 2 | 82 | 14.2 | -14.1 | -2.0 | 1750 |
| 1500 | 3 | 84 | 15.0 | -15.0 | -1.6 | | 85 | 14.3 | -14.3 | -1.2 | | 83 | 14.6 | -14.5 | -1.9 | 2 | 80 | 14.0 | -13.7 | -2.5 | 1500 |
| 1250 | 2 | 86 | 14.7 | -14.7 | -1.1 | 3 | 88 | 14.8 | -14.8 | -.6 | 3 | 85 | 13.9 | -13.9 | -1.3 | 2 | 80 | 14.3 | -14.0 | -2.6 | 1250 |
| 1000 | 2 | 86 | 14.1 | -14.0 | -.9 | 2 | 88 | 15.0 | -15.0 | -.6 | 2 | 85 | 13.3 | -13.3 | -1.1 | 2 | 80 | 15.0 | -14.8 | -2.6 | 1000 |
| 750 | 2 | 86 | 13.9 | -13.8 | -1.1 | 2 | 85 | 14.4 | -14.4 | -1.1 | 2 | 82 | 13.5 | -13.4 | -2.0 | 2 | 76 | 14.4 | -13.9 | -3.4 | 750 |
| 500 | 2 | 84 | 12.9 | -12.9 | -1.3 | 2 | 83 | 13.1 | -13.0 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 72 | 13.0 | -12.4 | -4.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/ 9 930 GMT | | | | | 3/ 9 1240 GMT | | | | | 3/10 12 0 GMT | | | | | 3/10 1441 GMT | | | | |
| 2500 | | 71 | 7.2 | -6.8 | -2.3 | | 52 | 4.6 | -3.6 | -2.8 | | 112 | 9.3 | -8.6 | 3.5 | | 121 | 6.5 | -5.6 | 3.3 | 2500 |
| 2250 | | 84 | 9.5 | -9.5 | -.9 | | 82 | 8.8 | -8.7 | -1.3 | | 109 | 11.5 | -10.9 | 3.7 | | 117 | 7.9 | -7.1 | 3.5 | 2250 |
| 2000 | | 90 | 11.3 | -11.3 | -.0 | | 85 | 12.9 | -12.8 | -1.1 | | 109 | 12.8 | -12.1 | 4.3 | | 113 | 10.4 | -9.6 | 4.0 | 2000 |
| 1750 | | 91 | 12.9 | -12.9 | .3 | | 89 | 13.1 | -13.1 | -.3 | | 107 | 12.5 | -11.9 | 3.6 | 3 | 111 | 12.0 | -11.2 | 4.3 | 1750 |
| 1500 | | 91 | 14.4 | -14.3 | .2 | | 94 | 13.0 | -12.9 | .9 | | 99 | 11.7 | -11.5 | 1.8 | 2 | 109 | 11.9 | -11.2 | 3.9 | 1500 |
| 1250 | 3 | 90 | 15.6 | -15.6 | .1 | 3 | 90 | 14.4 | -14.4 | .0 | 3 | 91 | 11.3 | -11.3 | .3 | 2 | 104 | 11.8 | -11.4 | 2.9 | 1250 |
| 1000 | 2 | 87 | 16.5 | -16.5 | -.8 | 2 | 85 | 15.4 | -15.3 | -1.5 | 2 | 86 | 11.3 | -11.3 | -.7 | 2 | 99 | 12.4 | -12.2 | 1.9 | 1000 |
| 750 | 2 | 81 | 16.7 | -16.5 | -2.6 | 2 | 82 | 14.7 | -14.5 | -2.1 | 2 | 82 | 11.6 | -11.5 | -1.5 | 2 | 94 | 12.6 | -12.6 | .9 | 750 |
| 500 | 2 | 77 | 15.7 | -15.3 | -3.4 | 2 | 79 | 13.1 | -12.9 | -2.5 | 2 | 83 | 11.1 | -11.0 | -1.4 | 2 | 90 | 10.8 | -10.8 | .0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/10 18 0 GMT | | | | | 3/10 2045 GMT | | | | | 3/10 2345 GMT | | | | | 3/11 3 0 GMT | | | | |
| 2500 | | 112 | 12.2 | -11.4 | 4.5 | | 88 | 8.1 | -8.1 | -.2 | | 106 | 9.1 | -8.8 | 2.6 | | 106 | 8.2 | -7.9 | 2.2 | 2500 |
| 2250 | | 112 | 13.0 | -12.0 | 4.9 | | 100 | 8.8 | -8.7 | 1.5 | | 102 | 10.3 | -10.0 | 2.2 | | 105 | 9.1 | -8.8 | 2.4 | 2250 |
| 2000 | | 111 | 12.3 | -11.5 | 4.3 | | 111 | 9.4 | -8.8 | 3.4 | | 103 | 10.9 | -10.7 | 2.4 | 2 | 103 | 9.1 | -8.9 | 2.0 | 2000 |
| 1750 | | 105 | 11.6 | -11.2 | 3.0 | | 114 | 11.1 | -10.2 | 4.6 | | 99 | 10.0 | -9.9 | 1.6 | 2 | 100 | 8.3 | -8.1 | 1.4 | 1750 |
| 1500 | | 102 | 12.0 | -11.7 | 2.5 | | 106 | 12.5 | -12.0 | 3.5 | | 96 | 9.4 | -9.4 | 1.0 | 2 | 101 | 8.0 | -7.8 | 1.5 | 1500 |
| 1250 | 3 | 103 | 12.5 | -12.2 | 2.8 | 3 | 99 | 13.6 | -13.4 | 2.1 | 3 | 100 | 10.1 | -9.9 | 1.7 | 2 | 103 | 8.2 | -8.0 | 1.8 | 1250 |
| 1000 | 2 | 102 | 12.4 | -12.2 | 2.7 | 2 | 103 | 14.4 | -14.0 | 3.1 | 2 | 105 | 10.5 | -10.2 | 2.7 | 2 | 104 | 8.5 | -8.3 | 2.1 | 1000 |
| 750 | 2 | 100 | 11.9 | -11.8 | 2.1 | 2 | 110 | 14.4 | -13.6 | 4.9 | 2 | 108 | 9.8 | -9.4 | 3.1 | 2 | 107 | 8.2 | -7.9 | 2.3 | 750 |
| 500 | 2 | 95 | 11.2 | -11.1 | .9 | 2 | 112 | 12.8 | -11.9 | 4.8 | 2 | 107 | 8.1 | -7.7 | 2.3 | 2 | 113 | 6.4 | -5.9 | 2.5 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/11 6 3 GMT | | | | | 3/11 9 0 GMT | | | | | 3/11 1137 GMT | | | | | 3/11 1925 GMT | | | | |
| 2500 | | 84 | 6.9 | -6.8 | -.7 | | 95 | 4.5 | -4.4 | .4 | | 89 | 6.7 | -6.7 | -.1 | 2 | 101 | 10.1 | -9.9 | 1.8 | 2500 |
| 2250 | | 87 | 7.0 | -7.0 | -.3 | | 88 | 8.3 | -8.3 | -.2 | | 92 | 9.5 | -9.5 | .3 | 2 | 105 | 9.4 | -9.1 | 2.4 | 2250 |
| 2000 | | 97 | 6.1 | -6.1 | .7 | | 96 | 10.2 | -10.1 | 1.1 | | 93 | 9.2 | -9.2 | .5 | 2 | 109 | 9.8 | -9.3 | 3.2 | 2000 |
| 1750 | | 106 | 6.3 | -6.0 | 1.8 | 3 | 103 | 9.7 | -9.5 | 2.1 | | 94 | 8.7 | -8.7 | .6 | 2 | 105 | 10.1 | -9.8 | 2.7 | 1750 |
| 1500 | | 106 | 7.7 | -7.4 | 2.2 | 3 | 107 | 8.3 | -7.9 | 2.5 | | 100 | 10.0 | -9.9 | 1.7 | 2 | 101 | 10.6 | -10.4 | 2.0 | 1500 |
| 1250 | 3 | 107 | 9.4 | -9.0 | 2.7 | 2 | 110 | 7.0 | -6.6 | 2.4 | 3 | 100 | 11.2 | -11.0 | 1.9 | 2 | 100 | 11.2 | -11.1 | 2.0 | 1250 |
| 1000 | 2 | 112 | 10.3 | -9.6 | 3.9 | 2 | 109 | 6.6 | -6.3 | 2.1 | 2 | 97 | 10.8 | -10.7 | 1.4 | 2 | 102 | 12.9 | -12.7 | 2.7 | 1000 |
| 750 | 2 | 118 | 9.6 | -8.5 | 4.5 | 2 | 103 | 6.9 | -6.7 | 1.5 | 2 | 107 | 10.2 | -9.8 | 2.9 | 2 | 104 | 14.6 | -14.2 | 3.5 | 750 |
| 500 | 2 | 122 | 8.3 | -7.0 | 4.4 | 2 | 93 | 7.4 | -7.4 | .4 | 2 | 116 | 8.8 | -7.9 | 3.9 | 2 | 102 | 8.2 | -8.1 | 1.8 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 84 | 7.2 | -7.2 | -.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/11 2353 GMT | | | | | 3/12 235 GMT | | | | | 3/12 6 0 GMT | | | | | 3/12 1150 GMT | | | | |
| 2500 | | 105 | 8.8 | -8.5 | 2.3 | 2 | 100 | 7.4 | -7.3 | 1.3 | | 97 | 6.2 | -6.2 | .7 | | 80 | 7.5 | -7.4 | -1.3 | 2500 |
| 2250 | | 102 | 8.5 | -8.3 | 1.8 | 2 | 95 | 8.9 | -8.9 | .8 | | 97 | 8.7 | -8.7 | 1.1 | | 88 | 9.4 | -9.4 | -.3 | 2250 |
| 2000 | | 94 | 9.3 | -9.3 | .7 | 2 | 91 | 10.3 | -10.3 | .2 | | 93 | 10.7 | -10.7 | .5 | | 85 | 10.8 | -10.8 | -.9 | 2000 |
| 1750 | | 92 | 12.0 | -12.0 | .4 | 2 | 91 | 11.2 | -11.2 | .1 | | 90 | 11.2 | -11.2 | .1 | | 89 | 10.7 | -10.7 | -.2 | 1750 |
| 1500 | | 93 | 14.4 | -14.4 | .7 | 2 | 91 | 11.5 | -11.5 | .2 | | 91 | 11.4 | -11.4 | .2 | | 93 | 11.0 | -11.0 | .6 | 1500 |
| 1250 | 3 | 95 | 15.6 | -15.6 | 1.4 | 2 | 90 | 11.1 | -11.1 | .1 | 3 | 93 | 12.2 | -12.2 | .6 | 3 | 89 | 12.4 | -12.4 | -.1 | 1250 |
| 1000 | 2 | 98 | 14.1 | -14.0 | 1.9 | 2 | 91 | 11.1 | -11.0 | .3 | 2 | 92 | 12.6 | -12.6 | .5 | 2 | 88 | 12.7 | -12.7 | -.3 | 1000 |
| 750 | 2 | 94 | 8.1 | -8.1 | .6 | 2 | 92 | 11.0 | -11.0 | .4 | 2 | 90 | 12.5 | -12.5 | .0 | 2 | 90 | 11.5 | -11.5 | -.0 | 750 |
| 500 | 2 | 93 | 8.1 | -8.0 | .4 | 2 | 93 | 9.8 | -9.8 | .6 | 2 | 92 | 12.4 | -12.4 | .4 | 2 | 95 | 10.6 | -10.6 | .9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 100 | 8.5 | -8.4 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/12 18 0 GMT | | | | | 3/12 2345 GMT | | | | | 3/13 630 GMT | | | | | 3/13 1242 GMT | | | | |
| 2500 | | 86 | 12.2 | -12.2 | -.8 | | 87 | 12.4 | -12.4 | -.7 | | 91 | 15.3 | -15.3 | .2 | | 99 | 13.6 | -13.4 | 2.2 | 2500 |
| 2250 | | 90 | 12.7 | -12.7 | -.0 | | 92 | 12.0 | -12.0 | .5 | | 92 | 15.4 | -15.4 | .6 | | 99 | 15.5 | -15.3 | 2.4 | 2250 |
| 2000 | | 96 | 13.1 | -13.0 | 1.3 | | 97 | 13.0 | -12.9 | 1.6 | | 93 | 14.9 | -14.9 | .7 | | 97 | 16.3 | -16.2 | 2.1 | 2000 |
| 1750 | 3 | 95 | 13.6 | -13.5 | 1.1 | | 96 | 13.7 | -13.6 | 1.5 | | 91 | 14.0 | -14.0 | .3 | | 97 | 17.0 | -16.9 | 2.0 | 1750 |
| 1500 | 2 | 90 | 13.4 | -13.4 | -.1 | | 92 | 13.5 | -13.5 | .6 | | 92 | 13.5 | -13.5 | .5 | | 96 | 18.2 | -18.1 | 1.8 | 1500 |
| 1250 | 2 | 84 | 13.5 | -13.5 | -1.5 | | 88 | 13.6 | -13.6 | -.5 | 3 | 94 | 13.9 | -13.8 | 1.0 | 3 | 93 | 17.2 | -17.1 | .9 | 1250 |
| 1000 | 2 | 80 | 14.3 | -14.1 | -2.5 | 3 | 85 | 14.5 | -14.4 | -1.3 | 2 | 92 | 14.5 | -14.5 | .4 | 2 | 91 | 16.1 | -16.1 | .2 | 1000 |
| 750 | 2 | 78 | 13.9 | -13.6 | -2.8 | 2 | 82 | 14.0 | -13.9 | -2.0 | 2 | 87 | 14.3 | -14.3 | -.7 | 2 | 90 | 15.6 | -15.6 | -.0 | 750 |
| 500 | 2 | 78 | 12.0 | -11.8 | -2.4 | 2 | 78 | 11.8 | -11.5 | -2.4 | 2 | 85 | 13.3 | -13.2 | -1.1 | 2 | 85 | 13.2 | -13.1 | -1.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/13 1745 GMT | | | | | 3/14 010 GMT | | | | | 3/14 250 GMT | | | | | 3/14 610 GMT | | | | |
| 2500 | 2 | 102 | 13.4 | -13.1 | 2.8 | | 100 | 14.5 | -14.3 | 2.5 | | 96 | 12.6 | -12.6 | 1.3 | | 101 | 16.5 | -16.2 | 3.1 | 2500 |
| 2250 | 2 | 103 | 13.3 | -13.0 | 2.9 | | 95 | 13.5 | -13.4 | 1.1 | | 94 | 12.8 | -12.8 | .8 | | 95 | 14.0 | -13.9 | 1.3 | 2250 |
| 2000 | 2 | 103 | 12.9 | -12.5 | 3.0 | | 92 | 12.2 | -12.2 | .5 | | 94 | 12.9 | -12.8 | .9 | | 93 | 13.2 | -13.2 | .7 | 2000 |
| 1750 | 2 | 102 | 12.2 | -11.9 | 2.6 | | 95 | 12.1 | -12.1 | 1.0 | | 98 | 12.7 | -12.6 | 1.8 | | 95 | 13.8 | -13.7 | 1.3 | 1750 |
| 1500 | 2 | 100 | 12.0 | -11.8 | 2.2 | | 100 | 12.6 | -12.4 | 2.3 | | 100 | 12.7 | -12.5 | 2.2 | | 99 | 13.9 | -13.8 | 2.1 | 1500 |
| 1250 | 2 | 100 | 12.3 | -12.1 | 2.2 | 3 | 107 | 13.5 | -12.9 | 3.9 | | 98 | 13.2 | -13.1 | 1.9 | 3 | 98 | 13.5 | -13.4 | 1.8 | 1250 |
| 1000 | 2 | 101 | 12.5 | -12.3 | 2.3 | 2 | 108 | 14.0 | -13.3 | 4.3 | 3 | 99 | 12.4 | -12.2 | 2.0 | 2 | 95 | 14.1 | -14.0 | 1.3 | 1000 |
| 750 | 2 | 100 | 12.0 | -11.9 | 2.1 | 2 | 106 | 13.2 | -12.7 | 3.5 | 2 | 106 | 10.0 | -9.6 | 2.8 | 2 | 99 | 14.6 | -14.4 | 2.4 | 750 |
| 500 | 2 | 97 | 11.4 | -11.3 | 1.5 | 2 | 105 | 11.1 | -10.7 | 2.9 | 2 | 115 | 10.8 | -9.8 | 4.6 | 2 | 110 | 13.1 | -12.3 | 4.4 | 500 |
| 250 | 2 | 100 | 10.6 | -10.4 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/14 1155 GMT | | | | | 3/14 15 0 GMT | | | | | 3/14 18 0 GMT | | | | | 3/14 2130 GMT | | | | |
| 2500 | | 108 | 14.9 | -14.2 | 4.6 | | 108 | 15.4 | -14.7 | 4.7 | 2 | 101 | 11.8 | -11.6 | 2.3 | 2 | 101 | 18.1 | -17.8 | 3.3 | 2500 |
| 2250 | | 102 | 15.2 | -14.9 | 3.1 | | 104 | 15.1 | -14.7 | 3.5 | 2 | 95 | 11.0 | -11.0 | .9 | 2 | 99 | 14.4 | -14.2 | 2.2 | 2250 |
| 2000 | | 97 | 14.9 | -14.8 | 1.8 | | 93 | 14.0 | -14.0 | .8 | 2 | 89 | 11.5 | -11.5 | -.3 | 2 | 93 | 11.5 | -11.5 | .7 | 2000 |
| 1750 | 3 | 97 | 13.4 | -13.3 | 1.6 | | 90 | 13.3 | -13.3 | -.0 | 2 | 88 | 11.8 | -11.8 | -.4 | 2 | 96 | 10.6 | -10.5 | 1.1 | 1750 |
| 1500 | 2 | 98 | 12.1 | -12.0 | 1.7 | | 101 | 12.4 | -12.2 | 2.5 | 2 | 94 | 11.8 | -11.8 | .9 | 2 | 96 | 11.0 | -11.0 | 1.1 | 1500 |
| 1250 | 2 | 100 | 12.8 | -12.6 | 2.3 | 3 | 113 | 11.9 | -10.9 | 4.7 | 2 | 105 | 12.3 | -11.9 | 3.3 | 2 | 92 | 10.8 | -10.8 | .3 | 1250 |
| 1000 | 2 | 105 | 14.9 | -14.4 | 3.8 | 2 | 113 | 11.8 | -10.9 | 4.7 | 2 | 114 | 13.1 | -12.0 | 5.3 | 2 | 95 | 8.8 | -8.8 | .8 | 1000 |
| 750 | 2 | 107 | 15.0 | -14.3 | 4.5 | 2 | 109 | 11.6 | -11.0 | 3.8 | 2 | 119 | 13.3 | -11.6 | 6.5 | 2 | 103 | 9.1 | -8.8 | 2.1 | 750 |
| 500 | 2 | 108 | 11.4 | -10.8 | 3.6 | 2 | 110 | 9.6 | -9.0 | 3.2 | 2 | 122 | 11.6 | -9.9 | 6.1 | 2 | 109 | 9.3 | -8.8 | 3.1 | 500 |
| 250 | 2 | 111 | 8.4 | -7.9 | 3.1 | 2 | 115 | 7.8 | -7.1 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/15 0 8 GMT | | | | | 3/15 3 0 GMT | | | | | 3/15 556 GMT | | | | | 3/15 851 GMT | | | | |
| 2500 | | 100 | 13.8 | -13.6 | 2.3 | 2 | 107 | 9.9 | -9.5 | 3.0 | | 100 | 11.4 | -11.2 | 2.1 | | 105 | 12.0 | -11.6 | 3.0 | 2500 |
| 2250 | | 99 | 13.5 | -13.3 | 2.2 | 2 | 106 | 14.9 | -14.3 | 4.2 | | 97 | 10.4 | -10.3 | 1.3 | | 99 | 10.5 | -10.4 | 1.7 | 2250 |
| 2000 | | 100 | 12.7 | -12.5 | 2.2 | 2 | 106 | 10.5 | -10.1 | 2.9 | | 92 | 9.3 | -9.3 | .3 | | 100 | 8.3 | -8.2 | 1.4 | 2000 |
| 1750 | | 98 | 11.8 | -11.7 | 1.7 | 2 | 100 | 6.4 | -6.3 | 1.1 | | 86 | 8.3 | -8.3 | -.5 | | 99 | 7.5 | -7.4 | 1.2 | 1750 |
| 1500 | | 95 | 9.5 | -9.4 | .8 | 2 | 97 | 9.2 | -9.1 | 1.2 | | 84 | 8.2 | -8.1 | -.8 | | 101 | 7.4 | -7.3 | 1.4 | 1500 |
| 1250 | 2 | 92 | 8.7 | -8.7 | .3 | 2 | 93 | 9.7 | -9.7 | .4 | 3 | 90 | 9.2 | -9.2 | .0 | 3 | 102 | 8.0 | -7.8 | 1.6 | 1250 |
| 1000 | 2 | 95 | 9.3 | -9.3 | .9 | 2 | 88 | 8.4 | -8.4 | -.2 | 2 | 95 | 10.6 | -10.5 | 1.0 | 2 | 93 | 9.1 | -9.1 | .5 | 1000 |
| 750 | 2 | 101 | 8.2 | -8.0 | 1.6 | 2 | 94 | 6.5 | -6.5 | .4 | 2 | 92 | 9.3 | -9.3 | .4 | 2 | 84 | 8.3 | -8.3 | -.9 | 750 |
| 500 | 2 | 103 | 6.3 | -6.1 | 1.5 | 2 | 103 | 5.6 | -5.4 | 1.3 | 2 | 86 | 6.9 | -6.9 | -.5 | 2 | 84 | 6.7 | -6.7 | -.7 | 500 |
| 250 | 2 | 111 | 5.7 | -5.4 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/15 1121 GMT | | | | | 3/15 1750 GMT | | | | | 3/16 0 0 GMT | | | | | 3/16 550 GMT | | | | |
| 2500 | | 101 | 10.5 | -10.4 | 2.0 | | 95 | 7.0 | -7.0 | .6 | | 106 | 9.0 | -8.7 | 2.4 | 2 | 87 | 8.4 | -8.4 | -.5 | 2500 |
| 2250 | | 91 | 11.6 | -11.6 | .1 | | 95 | 7.1 | -7.1 | .7 | | 95 | 8.0 | -7.9 | .8 | 2 | 77 | 7.7 | -7.5 | -1.7 | 2250 |
| 2000 | | 88 | 10.9 | -10.9 | -.4 | 3 | 98 | 6.9 | -6.8 | 1.0 | | 97 | 7.8 | -7.7 | .9 | 2 | 72 | 7.9 | -7.5 | -2.5 | 2000 |
| 1750 | | 94 | 8.9 | -8.9 | .6 | 2 | 100 | 6.7 | -6.6 | 1.2 | | 101 | 8.2 | -8.0 | 1.6 | 2 | 72 | 8.4 | -8.0 | -2.6 | 1750 |
| 1500 | | 98 | 7.1 | -7.0 | 1.0 | 2 | 97 | 6.7 | -6.7 | .8 | | 99 | 7.9 | -7.8 | 1.3 | 2 | 75 | 8.7 | -8.4 | -2.2 | 1500 |
| 1250 | 3 | 93 | 5.8 | -5.8 | .3 | 2 | 94 | 7.1 | -7.1 | .4 | 3 | 92 | 7.6 | -7.6 | .2 | 2 | 74 | 9.5 | -9.1 | -2.6 | 1250 |
| 1000 | 2 | 88 | 6.5 | -6.5 | -.2 | 2 | 94 | 8.0 | -8.0 | .5 | 2 | 88 | 7.4 | -7.4 | -.2 | 2 | 74 | 10.2 | -9.8 | -2.8 | 1000 |
| 750 | 2 | 89 | 7.5 | -7.5 | -.1 | 2 | 94 | 8.2 | -8.1 | .5 | 2 | 86 | 6.9 | -6.9 | -.4 | 2 | 78 | 9.4 | -9.2 | -2.0 | 750 |
| 500 | 2 | 89 | 6.4 | -6.4 | -.1 | 2 | 90 | 6.9 | -6.9 | .0 | 2 | 82 | 6.0 | -5.9 | -.9 | 2 | 80 | 8.1 | -8.0 | -1.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/16 1240 GMT | | | | | 3/16 1510 GMT | | | | | 3/16 1755 GMT | | | | | 3/16 2045 GMT | | | | |
| 2500 | | 84 | 8.9 | -8.9 | -.9 | | 88 | 7.9 | -7.9 | -.3 | | 82 | 9.9 | -9.8 | -1.3 | | 86 | 9.6 | -9.6 | -.7 | 2500 |
| 2250 | 3 | 80 | 8.9 | -8.8 | -1.5 | | 81 | 9.3 | -9.2 | -1.5 | | 81 | 10.1 | -10.0 | -1.6 | | 85 | 9.4 | -9.4 | -.8 | 2250 |
| 2000 | 2 | 74 | 8.7 | -8.3 | -2.4 | | 78 | 11.2 | -11.0 | -2.4 | | 79 | 10.5 | -10.3 | -2.0 | | 78 | 10.1 | -9.9 | -2.0 | 2000 |
| 1750 | 2 | 73 | 9.1 | -8.7 | -2.7 | 3 | 75 | 11.2 | -10.8 | -2.9 | | 75 | 11.0 | -10.6 | -2.8 | | 77 | 11.6 | -11.3 | -2.6 | 1750 |
| 1500 | 2 | 76 | 10.0 | -9.7 | -2.5 | 2 | 74 | 11.0 | -10.6 | -3.1 | | 72 | 11.1 | -10.6 | -3.4 | | 78 | 11.3 | -11.1 | -2.4 | 1500 |
| 1250 | 2 | 76 | 10.6 | -10.3 | -2.5 | 2 | 70 | 11.1 | -10.4 | -3.7 | 3 | 73 | 10.9 | -10.4 | -3.1 | | 77 | 9.7 | -9.5 | -2.2 | 1250 |
| 1000 | 2 | 78 | 11.1 | -10.8 | -2.3 | 2 | 64 | 10.9 | -9.7 | -4.8 | 2 | 79 | 10.5 | -10.3 | -2.1 | 3 | 80 | 9.2 | -9.1 | -1.5 | 1000 |
| 750 | 2 | 79 | 10.5 | -10.3 | -2.1 | 2 | 69 | 9.3 | -8.7 | -3.3 | 2 | 84 | 9.5 | -9.5 | -1.0 | 2 | 87 | 8.9 | -8.8 | -.4 | 750 |
| 500 | 2 | 78 | 8.5 | -8.3 | -1.8 | 2 | 84 | 6.9 | -6.9 | -.7 | 2 | 85 | 7.7 | -7.6 | -.7 | 2 | 90 | 8.1 | -8.1 | .0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 85 | 6.3 | -6.3 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/16 2345 GMT | | | | | 3/17 240 GMT | | | | | 3/17 534 GMT | | | | | 3/17 825 GMT | | | | |
| 2500 | 2 | 93 | 10.3 | -10.3 | .5 | | 88 | 10.4 | -10.4 | -.3 | | 91 | 10.4 | -10.4 | .3 | | 79 | 10.6 | -10.4 | -2.0 | 2500 |
| 2250 | 2 | 88 | 10.4 | -10.4 | -.4 | 3 | 85 | 10.3 | -10.3 | -.9 | | 93 | 10.8 | -10.8 | .5 | | 78 | 11.9 | -11.7 | -2.5 | 2250 |
| 2000 | 2 | 80 | 9.8 | -9.7 | -1.7 | 2 | 86 | 10.2 | -10.2 | -.8 | | 88 | 11.7 | -11.7 | -.3 | | 82 | 12.8 | -12.6 | -1.8 | 2000 |
| 1750 | 2 | 79 | 9.0 | -8.8 | -1.6 | 2 | 87 | 11.1 | -11.0 | -.5 | | 82 | 13.5 | -13.4 | -1.8 | | 84 | 13.2 | -13.1 | -1.4 | 1750 |
| 1500 | 2 | 84 | 7.5 | -7.4 | -.8 | 2 | 85 | 12.1 | -12.1 | -1.2 | | 78 | 13.9 | -13.6 | -2.9 | | 85 | 13.4 | -13.3 | -1.2 | 1500 |
| 1250 | 2 | 87 | 6.4 | -6.4 | -.3 | 2 | 85 | 11.8 | -11.8 | -1.1 | 3 | 83 | 12.1 | -12.1 | -1.4 | 3 | 86 | 13.2 | -13.1 | -1.0 | 1250 |
| 1000 | 2 | 88 | 6.3 | -6.3 | -.2 | 2 | 89 | 10.4 | -10.4 | -.2 | 2 | 96 | 11.2 | -11.1 | 1.2 | 2 | 87 | 12.4 | -12.4 | -.6 | 1000 |
| 750 | 2 | 90 | 6.5 | -6.5 | -.0 | 2 | 87 | 9.3 | -9.3 | -.4 | 2 | 96 | 10.5 | -10.5 | 1.1 | 2 | 88 | 11.1 | -11.1 | -.3 | 750 |
| 500 | 2 | 91 | 5.8 | -5.8 | .1 | 2 | 92 | 7.8 | -7.8 | .3 | 2 | 92 | 8.4 | -8.4 | .3 | 2 | 88 | 9.2 | -9.2 | -.2 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/17 1119 GMT | | | | | 3/17 1745 GMT | | | | | 3/17 2345 GMT | | | | | 3/18 728 GMT | | | | |
| 2500 | | 79 | 12.2 | -12.0 | -2.3 | 2 | 86 | 12.3 | -12.2 | -.7 | 3 | 78 | 14.6 | -14.3 | -3.0 | 2 | 76 | 14.9 | -14.5 | -3.5 | 2500 |
| 2250 | | 82 | 12.6 | -12.4 | -1.9 | 2 | 89 | 12.9 | -12.9 | -.3 | | 78 | 16.4 | -16.1 | -3.4 | 2 | 77 | 16.3 | -15.9 | -3.7 | 2250 |
| 2000 | | 83 | 12.6 | -12.5 | -1.5 | 2 | 86 | 11.8 | -11.7 | -.8 | | 81 | 17.2 | -17.0 | -2.7 | 2 | 84 | 16.4 | -16.3 | -1.9 | 2000 |
| 1750 | | 82 | 12.0 | -11.8 | -1.7 | 2 | 87 | 11.5 | -11.5 | -.6 | | 85 | 16.9 | -16.8 | -1.5 | 2 | 91 | 16.0 | -16.0 | .3 | 1750 |
| 1500 | 3 | 84 | 13.0 | -12.9 | -1.3 | 2 | 86 | 13.1 | -13.0 | -.9 | | 88 | 13.5 | -13.5 | -.5 | 2 | 95 | 16.0 | -15.9 | 1.4 | 1500 |
| 1250 | 3 | 89 | 15.1 | -15.1 | -.4 | 2 | 83 | 13.8 | -13.7 | -1.6 | | 90 | 12.6 | -12.6 | .0 | | 95 | 15.9 | -15.8 | 1.5 | 1250 |
| 1000 | 2 | 91 | 15.3 | -15.3 | .3 | 2 | 84 | 11.9 | -11.8 | -1.3 | | 91 | 13.2 | -13.2 | .3 | | 97 | 14.9 | -14.8 | 1.7 | 1000 |
| 750 | 2 | 93 | 13.3 | -13.3 | .6 | 2 | 87 | 10.1 | -10.1 | -.5 | | 88 | 12.1 | -12.1 | -.4 | | 102 | 13.6 | -13.3 | 2.8 | 750 |
| 500 | 2 | 94 | 10.5 | -10.5 | .7 | 2 | 94 | 9.0 | -9.0 | .6 | | 88 | 11.2 | -11.2 | -.3 | | 107 | 12.0 | -11.5 | 3.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 101 | 8.4 | -8.2 | 1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 10.2 | -10.0 | 2.1 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/18 13 8 GMT | | | | | 3/18 1644 GMT | | | | | 3/18 1835 GMT | | | | | 3/18 21 0 GMT | | | | |
| 2500 | 2 | 92 | 12.7 | -12.6 | .5 | 2 | 87 | 13.7 | -13.6 | -.8 | 2 | 98 | 13.6 | -13.4 | 1.9 | 2 | 94 | 14.2 | -14.1 | .9 | 2500 |
| 2250 | 2 | 94 | 10.6 | -10.5 | .8 | 2 | 92 | 12.6 | -12.6 | .4 | 2 | 96 | 13.6 | -13.6 | 1.5 | 2 | 98 | 12.2 | -12.1 | 1.7 | 2250 |
| 2000 | 2 | 92 | 10.0 | -10.0 | .4 | 2 | 96 | 11.2 | -11.1 | 1.2 | 2 | 90 | 14.6 | -14.6 | .0 | 2 | 102 | 12.9 | -12.6 | 2.7 | 2000 |
| 1750 | 2 | 92 | 10.7 | -10.7 | .3 | 2 | 96 | 11.2 | -11.1 | 1.2 | 2 | 89 | 15.3 | -15.3 | -.4 | 2 | 101 | 14.0 | -13.7 | 2.7 | 1750 |
| 1500 | 2 | 93 | 12.4 | -12.4 | .5 | | 93 | 12.9 | -12.9 | .6 | 3 | 89 | 15.5 | -15.5 | -.3 | 2 | 98 | 14.4 | -14.2 | 2.0 | 1500 |
| 1250 | | 94 | 14.2 | -14.2 | 1.0 | | 92 | 15.2 | -15.2 | .4 | | 90 | 15.9 | -15.9 | -.1 | | 98 | 14.9 | -14.8 | 2.0 | 1250 |
| 1000 | | 94 | 14.2 | -14.2 | 1.1 | | 94 | 17.1 | -17.0 | 1.0 | | 94 | 16.6 | -16.5 | 1.3 | | 97 | 15.1 | -15.0 | 1.8 | 1000 |
| 750 | | 94 | 12.9 | -12.8 | 1.0 | | 98 | 17.5 | -17.3 | 2.5 | | 100 | 16.1 | -15.9 | 2.7 | | 101 | 11.6 | -11.4 | 2.1 | 750 |
| 500 | | 98 | 12.0 | -11.8 | 1.7 | | 106 | 15.6 | -15.1 | 4.2 | | 103 | 13.3 | -13.0 | 2.9 | | 121 | 8.3 | -7.1 | 4.3 | 500 |
| 250 | | 107 | 10.9 | -10.4 | 3.1 | | 113 | 12.5 | -11.5 | 4.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 116 | 8.4 | -7.6 | 3.7 | 250 |
| | | 3/18 2340 GMT | | | | | 3/19 240 GMT | | | | | 3/19 6 5 GMT | | | | | 3/19 9 5 GMT | | | | |
| 2500 | 2 | 103 | 13.0 | -12.6 | 3.0 | | 108 | 12.0 | -11.4 | 3.6 | | 121 | 16.5 | -14.2 | 8.5 | | 94 | 19.6 | -19.5 | 1.5 | 2500 |
| 2250 | 2 | 109 | 12.5 | -11.8 | 4.0 | | 106 | 12.2 | -11.7 | 3.4 | | 114 | 17.6 | -16.1 | 7.2 | | 89 | 19.0 | -19.0 | -.4 | 2250 |
| 2000 | 2 | 108 | 13.5 | -12.9 | 4.2 | | 107 | 12.7 | -12.2 | 3.7 | | 112 | 16.5 | -15.4 | 6.1 | | 86 | 17.5 | -17.4 | -1.1 | 2000 |
| 1750 | 2 | 103 | 15.0 | -14.6 | 3.4 | | 106 | 13.5 | -13.0 | 3.7 | | 113 | 14.3 | -13.2 | 5.6 | | 88 | 18.1 | -18.1 | -.6 | 1750 |
| 1500 | 3 | 100 | 15.3 | -15.1 | 2.6 | | 103 | 14.3 | -13.9 | 3.2 | | 108 | 15.5 | -14.7 | 4.7 | | 90 | 19.5 | -19.5 | -.0 | 1500 |
| 1250 | | 100 | 13.7 | -13.5 | 2.3 | | 101 | 13.7 | -13.4 | 2.7 | | 97 | 17.2 | -17.1 | 2.1 | | 91 | 17.9 | -17.9 | .3 | 1250 |
| 1000 | | 104 | 11.7 | -11.4 | 2.9 | | 108 | 11.6 | -11.0 | 3.5 | | 83 | 17.4 | -17.3 | -2.1 | | 95 | 15.4 | -15.3 | 1.2 | 1000 |
| 750 | | 101 | 11.9 | -11.6 | 2.4 | | 118 | 10.9 | -9.6 | 5.2 | | 73 | 16.3 | -15.6 | -4.7 | | 101 | 13.5 | -13.2 | 2.6 | 750 |
| 500 | | 101 | 12.0 | -11.7 | 2.3 | | 118 | 10.4 | -9.2 | 5.0 | | 73 | 13.1 | -12.5 | -3.8 | | 107 | 11.0 | -10.5 | 3.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 81 | 8.6 | -8.5 | -1.3 | | 104 | 7.9 | -7.7 | 1.9 | 250 |
| | | 3/19 1115 GMT | | | | | 3/19 1820 GMT | | | | | 3/20 0 7 GMT | | | | | 3/20 545 GMT | | | | |
| 2500 | | 98 | 14.3 | -14.2 | 1.9 | | 97 | 14.7 | -14.6 | 1.9 | | 100 | 12.6 | -12.4 | 2.2 | | 96 | 13.2 | -13.2 | 1.3 | 2500 |
| 2250 | | 97 | 14.7 | -14.6 | 1.7 | | 96 | 17.8 | -17.7 | 1.9 | | 98 | 16.0 | -15.8 | 2.2 | | 95 | 13.7 | -13.7 | 1.1 | 2250 |
| 2000 | | 94 | 17.0 | -16.9 | 1.2 | | 93 | 16.9 | -16.8 | .9 | | 98 | 17.3 | -17.1 | 2.5 | | 93 | 12.3 | -12.3 | .7 | 2000 |
| 1750 | | 92 | 19.7 | -19.6 | .7 | | 92 | 12.2 | -12.2 | .3 | | 100 | 14.1 | -13.9 | 2.4 | | 92 | 12.2 | -12.2 | .4 | 1750 |
| 1500 | | 92 | 20.5 | -20.5 | .6 | | 97 | 11.7 | -11.6 | 1.3 | | 97 | 11.9 | -11.9 | 1.4 | | 89 | 13.8 | -13.8 | -.2 | 1500 |
| 1250 | | 94 | 18.8 | -18.7 | 1.3 | | 102 | 12.1 | -11.9 | 2.5 | | 93 | 12.2 | -12.2 | .7 | | 86 | 13.4 | -13.4 | -1.0 | 1250 |
| 1000 | | 97 | 15.7 | -15.6 | 1.9 | | 105 | 12.9 | -12.5 | 3.5 | | 95 | 11.6 | -11.6 | 1.0 | | 85 | 11.7 | -11.7 | -1.0 | 1000 |
| 750 | | 99 | 13.0 | -12.8 | 2.0 | | 107 | 12.1 | -11.6 | 3.5 | | 96 | 9.4 | -9.4 | 1.0 | | 89 | 9.9 | -9.9 | -.1 | 750 |
| 500 | | 100 | 10.5 | -10.3 | 1.8 | | 108 | 9.9 | -9.4 | 3.1 | | 98 | 7.2 | -7.2 | 1.0 | | 97 | 7.7 | -7.7 | .9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 113 | 9.0 | -8.3 | 3.5 | | 110 | 6.1 | -5.8 | 2.1 | | 100 | 6.9 | -6.8 | 1.3 | 250 |
| | | 3/20 1138 GMT | | | | | 3/20 1530 GMT | | | | | 3/20 19 0 GMT | | | | | 3/20 2055 GMT | | | | |
| 2500 | | 90 | 10.1 | -10.1 | .0 | | 104 | 8.0 | -7.8 | 1.9 | | 94 | 9.6 | -9.6 | .6 | | 96 | 10.0 | -9.9 | 1.1 | 2500 |
| 2250 | | 94 | 12.0 | -11.9 | .9 | | 100 | 7.2 | -7.1 | 1.2 | | 97 | 9.6 | -9.5 | 1.2 | | 91 | 9.5 | -9.5 | .1 | 2250 |
| 2000 | | 96 | 12.3 | -12.2 | 1.2 | | 90 | 9.5 | -9.5 | .0 | | 90 | 10.1 | -10.1 | .1 | | 89 | 9.5 | -9.5 | -.2 | 2000 |
| 1750 | | 94 | 12.2 | -12.2 | .8 | | 90 | 10.8 | -10.8 | .0 | | 84 | 10.9 | -10.9 | -1.2 | | 88 | 10.0 | -10.0 | -.3 | 1750 |
| 1500 | | 92 | 11.8 | -11.8 | .4 | | 92 | 11.0 | -11.0 | .4 | | 81 | 10.7 | -10.6 | -1.7 | | 85 | 9.9 | -9.9 | -.9 | 1500 |
| 1250 | | 90 | 9.5 | -9.5 | .0 | | 91 | 11.0 | -11.0 | .2 | | 77 | 9.7 | -9.4 | -2.2 | | 79 | 9.4 | -9.2 | -1.9 | 1250 |
| 1000 | | 89 | 6.4 | -6.4 | -.1 | | 89 | 10.9 | -10.9 | -.2 | | 72 | 10.1 | -9.6 | -3.1 | | 72 | 10.1 | -9.6 | -3.1 | 1000 |
| 750 | | 94 | 5.0 | -5.0 | .4 | | 88 | 10.2 | -10.2 | -.4 | | 73 | 11.7 | -11.2 | -3.4 | | 62 | 11.2 | -10.0 | -5.2 | 750 |
| 500 | | 101 | 4.9 | -4.8 | .9 | | 82 | 8.9 | -8.8 | -1.3 | | 72 | 11.0 | -10.4 | -3.5 | | 59 | 10.2 | -8.7 | -5.3 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 60 | 8.0 | -6.9 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/20 2330 GMT | | | | | 3/21 245 GMT | | | | | 3/21 6 1 GMT | | | | | 3/21 920 GMT | | | | |
| 2500 | | 63 | 5.4 | -4.8 | -2.5 | | 92 | 8.7 | -8.7 | .2 | | 82 | 10.3 | -10.2 | -1.5 | | 111 | 8.6 | -8.0 | 3.0 | 2500 |
| 2250 | | 66 | 6.5 | -6.0 | -2.6 | | 89 | 9.0 | -9.0 | -.2 | | 79 | 9.9 | -9.7 | -2.0 | | 108 | 9.5 | -9.1 | 2.9 | 2250 |
| 2000 | | 72 | 8.6 | -8.2 | -2.7 | | 92 | 9.7 | -9.7 | .3 | | 71 | 9.2 | -8.7 | -3.0 | | 99 | 10.8 | -10.7 | 1.7 | 2000 |
| 1750 | | 78 | 9.1 | -9.0 | -1.9 | | 86 | 10.6 | -10.5 | -.8 | | 61 | 8.8 | -7.7 | -4.3 | | 87 | 11.4 | -11.4 | -.6 | 1750 |
| 1500 | | 86 | 9.3 | -9.3 | -.6 | | 76 | 10.6 | -10.3 | -2.6 | | 59 | 9.1 | -7.8 | -4.7 | | 77 | 10.8 | -10.5 | -2.4 | 1500 |
| 1250 | | 85 | 10.2 | -10.1 | -.9 | | 73 | 10.4 | -10.0 | -3.1 | | 65 | 9.7 | -8.8 | -4.2 | | 74 | 10.4 | -10.0 | -2.8 | 1250 |
| 1000 | | 80 | 10.6 | -10.5 | -1.9 | | 72 | 10.3 | -9.8 | -3.1 | | 69 | 10.3 | -9.7 | -3.6 | | 72 | 11.1 | -10.6 | -3.5 | 1000 |
| 750 | | 78 | 10.2 | -10.0 | -2.1 | | 63 | 10.4 | -9.3 | -4.6 | | 69 | 10.3 | -9.6 | -3.7 | | 65 | 11.6 | -10.6 | -4.8 | 750 |
| 500 | | 76 | 8.8 | -8.5 | -2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 66 | 9.9 | -9.0 | -4.0 | | 59 | 10.4 | -9.0 | -5.3 | 500 |
| 250 | | 62 | 7.9 | -6.9 | -3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 73 | 10.2 | -9.8 | -2.9 | | 59 | 7.7 | -6.6 | -4.0 | 250 |
| | | 3/21 12 1 GMT | | | | | 3/21 1743 GMT | | | | | 3/21 2338 GMT | | | | | 3/22 555 GMT | | | | |
| 2500 | | 108 | 6.7 | -6.4 | 2.0 | | 85 | 7.0 | -7.0 | -.6 | | 102 | 6.5 | -6.4 | 1.4 | | 96 | 5.9 | -5.8 | .6 | 2500 |
| 2250 | | 113 | 7.6 | -7.1 | 2.9 | | 84 | 7.9 | -7.8 | -.8 | | 92 | 8.2 | -8.2 | .3 | | 88 | 6.6 | -6.6 | -.2 | 2250 |
| 2000 | | 105 | 8.9 | -8.6 | 2.3 | | 89 | 8.6 | -8.6 | -.1 | | 87 | 7.6 | -7.6 | -.4 | | 83 | 6.7 | -6.7 | -.9 | 2000 |
| 1750 | | 95 | 9.6 | -9.5 | .9 | | 83 | 9.4 | -9.4 | -1.1 | | 81 | 7.5 | -7.4 | -1.1 | | 83 | 7.3 | -7.2 | -.9 | 1750 |
| 1500 | | 89 | 9.9 | -9.9 | -.1 | | 74 | 9.5 | -9.1 | -2.6 | | 78 | 8.2 | -8.0 | -1.8 | | 85 | 8.4 | -8.4 | -.7 | 1500 |
| 1250 | | 85 | 9.3 | -9.3 | -.8 | | 73 | 8.6 | -8.2 | -2.5 | | 75 | 8.3 | -8.0 | -2.1 | | 87 | 9.0 | -9.0 | -.5 | 1250 |
| 1000 | | 81 | 8.9 | -8.8 | -1.4 | | 76 | 8.7 | -8.5 | -2.1 | | 76 | 8.1 | -7.8 | -1.9 | | 86 | 9.4 | -9.4 | -.6 | 1000 |
| 750 | | 71 | 10.3 | -9.8 | -3.3 | | 73 | 9.8 | -9.4 | -2.9 | | 77 | 8.3 | -8.1 | -1.8 | | 81 | 9.8 | -9.7 | -1.5 | 750 |
| 500 | | 63 | 11.0 | -9.8 | -5.1 | | 67 | 9.8 | -9.0 | -3.9 | | 74 | 8.8 | -8.5 | -2.4 | | 75 | 9.0 | -8.7 | -2.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 66 | 8.1 | -7.4 | -3.3 | | 73 | 8.3 | -7.9 | -2.4 | | 70 | 6.9 | -6.5 | -2.3 | 250 |
| | | 3/22 1145 GMT | | | | | 3/22 15 0 GMT | | | | | 3/22 1812 GMT | | | | | 3/22 2040 GMT | | | | |
| 2500 | | 77 | 3.4 | -3.3 | -.7 | | 74 | 3.4 | -3.3 | -.9 | | 114 | 8.2 | -7.4 | 3.4 | | 108 | 4.6 | -4.4 | 1.4 | 2500 |
| 2250 | | 78 | 3.3 | -3.2 | -.7 | | 87 | 6.5 | -6.5 | -.3 | | 111 | 9.6 | -8.9 | 3.5 | | 94 | 5.6 | -5.6 | .4 | 2250 |
| 2000 | | 89 | 6.3 | -6.3 | -.1 | | 106 | 10.9 | -10.5 | 3.1 | | 116 | 7.7 | -6.9 | 3.4 | | 112 | 7.7 | -7.2 | 2.9 | 2000 |
| 1750 | | 89 | 8.3 | -8.3 | -.1 | | 120 | 14.5 | -12.6 | 7.3 | | 125 | 5.9 | -4.8 | 3.4 | | 128 | 9.3 | -7.3 | 5.7 | 1750 |
| 1500 | | 88 | 9.1 | -9.1 | -.3 | | 126 | 15.8 | -12.8 | 9.3 | | 119 | 7.8 | -6.9 | 3.8 | | 121 | 11.7 | -10.0 | 6.1 | 1500 |
| 1250 | | 87 | 9.5 | -9.5 | -.6 | | 126 | 15.9 | -12.9 | 9.3 | | 113 | 12.2 | -11.2 | 4.8 | | 119 | 13.9 | -12.2 | 6.7 | 1250 |
| 1000 | | 84 | 10.3 | -10.3 | -1.1 | | 127 | 15.7 | -12.6 | 9.4 | | 116 | 14.7 | -13.2 | 6.4 | | 123 | 13.4 | -11.2 | 7.3 | 1000 |
| 750 | | 83 | 11.5 | -11.4 | -1.5 | | 130 | 14.5 | -11.0 | 9.3 | | 122 | 13.9 | -11.7 | 7.4 | | 127 | 11.3 | -9.0 | 6.8 | 750 |
| 500 | | 87 | 12.0 | -12.0 | -.7 | | 135 | 11.5 | -8.1 | 8.1 | | 131 | 10.7 | -8.0 | 7.1 | | 132 | 9.1 | -6.7 | 6.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 142 | 9.1 | -5.6 | 7.1 | | 139 | 8.1 | -5.3 | 6.2 | | 132 | 8.4 | -6.2 | 5.6 | 250 |
| | | 3/23 0 0 GMT | | | | | 3/23 3 0 GMT | | | | | 3/23 550 GMT | | | | | 3/23 850 GMT | | | | |
| 2500 | | 114 | 3.6 | -3.2 | 1.4 | | 136 | 4.8 | -3.3 | 3.4 | | 118 | 9.4 | -8.3 | 4.4 | | 120 | 11.1 | -9.6 | 5.5 | 2500 |
| 2250 | | 132 | 5.7 | -4.2 | 3.9 | | 141 | 7.0 | -4.3 | 5.5 | | 117 | 10.6 | -9.5 | 4.8 | | 119 | 11.9 | -10.4 | 5.7 | 2250 |
| 2000 | | 136 | 9.3 | -6.4 | 6.7 | | 132 | 10.0 | -7.4 | 6.6 | | 115 | 11.8 | -10.7 | 4.9 | | 106 | 10.4 | -10.0 | 2.9 | 2000 |
| 1750 | | 126 | 11.6 | -9.5 | 6.8 | | 119 | 11.5 | -10.1 | 5.6 | | 114 | 12.6 | -11.6 | 5.1 | | 89 | 11.7 | -11.7 | -.2 | 1750 |
| 1500 | | 111 | 12.7 | -11.9 | 4.5 | | 108 | 12.3 | -11.7 | 3.8 | | 110 | 12.2 | -11.5 | 4.2 | | 89 | 14.4 | -14.4 | -.4 | 1500 |
| 1250 | | 102 | 13.5 | -13.1 | 2.9 | | 103 | 13.5 | -13.1 | 3.1 | | 104 | 11.7 | -11.4 | 2.8 | | 91 | 14.9 | -14.9 | .2 | 1250 |
| 1000 | | 100 | 12.8 | -12.6 | 2.2 | | 104 | 13.2 | -12.8 | 3.2 | | 100 | 11.8 | -11.7 | 2.0 | | 93 | 13.2 | -13.2 | .7 | 1000 |
| 750 | | 103 | 10.6 | -10.3 | 2.3 | | 107 | 11.0 | -10.5 | 3.2 | | 101 | 10.4 | -10.2 | 2.0 | | 97 | 10.9 | -10.8 | 1.3 | 750 |
| 500 | | 112 | 8.3 | -7.7 | 3.0 | | 114 | 9.1 | -8.3 | 3.8 | | 107 | 8.3 | -8.0 | 2.5 | | 103 | 9.0 | -8.8 | 2.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 113 | 8.3 | -7.6 | 3.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 7.7 | -7.2 | 2.6 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/23 12 0 GMT | | | | | 3/23 1455 GMT | | | | | 3/23 1751 GMT | | | | | 3/23 2030 GMT | | | | |
| 2500 | | 108 | 11.0 | -10.4 | 3.5 | | 111 | 9.2 | -8.6 | 3.3 | | 89 | 7.7 | -7.7 | -.1 | | 101 | 12.6 | -12.4 | 2.5 | 2500 |
| 2250 | | 101 | 13.1 | -12.9 | 2.5 | | 111 | 8.4 | -7.9 | 3.0 | | 78 | 7.3 | -7.2 | -1.5 | | 104 | 13.1 | -12.7 | 3.1 | 2250 |
| 2000 | | 101 | 13.4 | -13.1 | 2.6 | | 122 | 6.9 | -5.9 | 3.6 | | 85 | 6.2 | -6.1 | -.5 | | 101 | 11.3 | -11.1 | 2.2 | 2000 |
| 1750 | | 105 | 12.2 | -11.8 | 3.1 | | 127 | 6.2 | -5.0 | 3.7 | | 105 | 7.1 | -6.8 | 1.9 | | 90 | 10.3 | -10.3 | .1 | 1750 |
| 1500 | | 105 | 11.3 | -10.9 | 3.0 | | 127 | 5.8 | -4.7 | 3.5 | | 114 | 10.4 | -9.5 | 4.2 | | 81 | 10.9 | -10.8 | -1.7 | 1500 |
| 1250 | | 102 | 10.4 | -10.1 | 2.1 | | 123 | 5.6 | -4.7 | 3.0 | | 119 | 12.1 | -10.6 | 5.8 | | 82 | 11.6 | -11.5 | -1.7 | 1250 |
| 1000 | | 100 | 9.4 | -9.2 | 1.6 | | 118 | 5.4 | -4.8 | 2.6 | | 123 | 11.7 | -9.9 | 6.3 | | 93 | 12.2 | -12.2 | .6 | 1000 |
| 750 | | 104 | 8.9 | -8.7 | 2.1 | | 116 | 5.2 | -4.7 | 2.2 | | 127 | 10.0 | -8.0 | 6.0 | | 108 | 11.8 | -11.2 | 3.6 | 750 |
| 500 | | 110 | 8.2 | -7.8 | 2.8 | | 116 | 4.6 | -4.2 | 2.0 | | 131 | 8.9 | -6.8 | 5.8 | | 122 | 10.2 | -8.6 | 5.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 117 | 3.8 | -3.4 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 130 | 9.6 | -7.3 | 6.2 | 250 |
| | | 3/24 020 GMT | | | | | 3/24 255 GMT | | | | | 3/24 6 0 GMT | | | | | 3/24 1215 GMT | | | | |
| 2500 | | 102 | 11.8 | -11.6 | 2.4 | | 106 | 6.1 | -5.9 | 1.7 | | 103 | 12.0 | -11.7 | 2.7 | | 97 | 11.8 | -11.7 | 1.4 | 2500 |
| 2250 | | 102 | 10.9 | -10.7 | 2.4 | | 108 | 5.8 | -5.5 | 1.8 | | 100 | 11.4 | -11.2 | 2.1 | | 96 | 12.5 | -12.5 | 1.3 | 2250 |
| 2000 | | 89 | 9.2 | -9.2 | -.1 | | 110 | 6.5 | -6.1 | 2.2 | | 98 | 12.3 | -12.2 | 1.7 | | 99 | 12.4 | -12.3 | 1.9 | 2000 |
| 1750 | | 90 | 8.7 | -8.7 | .0 | | 112 | 7.9 | -7.3 | 2.9 | | 98 | 12.3 | -12.2 | 1.7 | | 105 | 12.3 | -11.9 | 3.2 | 1750 |
| 1500 | | 100 | 9.0 | -8.8 | 1.5 | | 116 | 9.0 | -8.1 | 3.9 | | 102 | 11.2 | -11.0 | 2.3 | | 105 | 12.4 | -11.9 | 3.2 | 1500 |
| 1250 | | 103 | 9.3 | -9.1 | 2.0 | | 113 | 10.6 | -9.7 | 4.2 | | 108 | 10.7 | -10.2 | 3.2 | | 98 | 11.5 | -11.4 | 1.6 | 1250 |
| 1000 | | 107 | 9.0 | -8.6 | 2.6 | | 110 | 12.2 | -11.4 | 4.1 | | 110 | 10.9 | -10.2 | 3.8 | | 99 | 9.3 | -9.2 | 1.5 | 1000 |
| 750 | | 114 | 8.1 | -7.4 | 3.3 | | 123 | 11.2 | -9.4 | 6.0 | | 115 | 10.1 | -9.1 | 4.2 | | 115 | 7.0 | -6.3 | 3.0 | 750 |
| 500 | | 124 | 7.3 | -6.0 | 4.1 | | 143 | 10.0 | -6.0 | 8.0 | | 124 | 8.2 | -6.8 | 4.6 | | 133 | 5.5 | -4.0 | 3.7 | 500 |
| 250 | | 134 | 7.8 | -5.7 | 5.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 132 | 6.4 | -4.8 | 4.3 | | 134 | 3.3 | -2.4 | 2.3 | 250 |
| | | 3/24 18 2 GMT | | | | | 3/25 1 0 GMT | | | | | 3/25 615 GMT | | | | | 3/25 1239 GMT | | | | |
| 2500 | | 102 | 10.7 | -10.4 | 2.1 | | 107 | 7.5 | -7.2 | 2.2 | | 104 | 6.0 | -5.8 | 1.5 | | 124 | 5.9 | -4.9 | 3.2 | 2500 |
| 2250 | | 102 | 10.3 | -10.0 | 2.1 | | 95 | 8.1 | -8.1 | .7 | | 95 | 6.4 | -6.4 | .5 | | 129 | 6.3 | -4.9 | 4.0 | 2250 |
| 2000 | | 105 | 10.1 | -9.8 | 2.6 | | 87 | 7.2 | -7.2 | -.4 | | 94 | 6.7 | -6.7 | .5 | | 128 | 5.6 | -4.4 | 3.4 | 2000 |
| 1750 | | 100 | 10.2 | -10.1 | 1.8 | | 83 | 7.3 | -7.2 | -.9 | | 87 | 6.2 | -6.2 | -.3 | | 115 | 3.9 | -3.5 | 1.6 | 1750 |
| 1500 | | 95 | 9.8 | -9.7 | .8 | | 82 | 7.6 | -7.5 | -1.1 | | 81 | 6.2 | -6.1 | -1.0 | | 104 | 3.5 | -3.4 | .9 | 1500 |
| 1250 | | 94 | 9.2 | -9.2 | .6 | | 80 | 7.3 | -7.2 | -1.2 | | 82 | 7.1 | -7.0 | -1.0 | | 105 | 4.6 | -4.5 | 1.2 | 1250 |
| 1000 | | 94 | 8.9 | -8.9 | .6 | | 84 | 6.8 | -6.8 | -.7 | | 85 | 6.9 | -6.9 | -.7 | | 107 | 4.7 | -4.5 | 1.4 | 1000 |
| 750 | | 97 | 6.4 | -6.4 | .8 | | 96 | 6.1 | -6.0 | .6 | | 81 | 5.0 | -5.0 | -.8 | | 101 | 3.5 | -3.4 | .7 | 750 |
| 500 | | 118 | 3.5 | -3.1 | 1.6 | | 107 | 5.1 | -4.9 | 1.5 | | 75 | 3.1 | -3.0 | -.8 | | 79 | 2.6 | -2.6 | -.5 | 500 |
| 250 | | 138 | 3.3 | -2.2 | 2.4 | | 98 | 4.3 | -4.3 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/25 1520 GMT | | | | | 3/25 1815 GMT | | | | | 3/25 2334 GMT | | | | | 3/26 7 5 GMT | | | | |
| 2500 | | 104 | 4.1 | -4.0 | 1.0 | 3 | 100 | 6.2 | -6.1 | 1.1 | | 98 | 6.7 | -6.7 | 1.0 | | 97 | 8.8 | -8.7 | 1.1 | 2500 |
| 2250 | | 101 | 4.2 | -4.1 | .8 | 2 | 101 | 5.7 | -5.6 | 1.1 | | 88 | 7.5 | -7.5 | -.3 | | 77 | 8.3 | -8.1 | -1.9 | 2250 |
| 2000 | | 114 | 4.7 | -4.3 | 1.9 | 3 | 99 | 5.4 | -5.4 | .8 | | 93 | 8.0 | -8.0 | .4 | | 73 | 7.8 | -7.5 | -2.3 | 2000 |
| 1750 | | 123 | 5.5 | -4.6 | 3.0 | | 101 | 5.0 | -5.0 | 1.0 | | 100 | 8.4 | -8.3 | 1.5 | | 80 | 8.8 | -8.6 | -1.6 | 1750 |
| 1500 | | 127 | 5.7 | -4.6 | 3.4 | | 108 | 5.1 | -4.8 | 1.6 | | 94 | 8.9 | -8.9 | .7 | | 80 | 10.0 | -9.9 | -1.8 | 1500 |
| 1250 | | 133 | 5.4 | -3.9 | 3.7 | | 107 | 6.2 | -5.9 | 1.8 | | 85 | 8.5 | -8.5 | -.8 | | 81 | 11.2 | -11.0 | -1.8 | 1250 |
| 1000 | | 142 | 4.9 | -3.0 | 3.9 | | 104 | 8.1 | -7.9 | 2.0 | | 84 | 7.9 | -7.8 | -.8 | | 86 | 12.2 | -12.2 | -.8 | 1000 |
| 750 | | 144 | 4.7 | -2.8 | 3.7 | 3 | 109 | 8.5 | -8.0 | 2.8 | | 92 | 7.3 | -7.3 | .2 | | 88 | 12.2 | -12.2 | -.4 | 750 |
| 500 | | 146 | 4.7 | -2.6 | 3.9 | | 122 | 7.6 | -6.5 | 4.0 | | 104 | 7.0 | -6.8 | 1.7 | | 82 | 11.2 | -11.1 | -1.5 | 500 |
| 250 | | 155 | 4.1 | -1.7 | 3.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 116 | 6.7 | -6.0 | 2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/26 950 GMT | | | | | 3/27 153 GMT | | | | | 3/27 6 0 GMT | | | | | 3/27 1155 GMT | | | | |
| 2500 | | 101 | 8.9 | -8.7 | 1.7 | 3 | 88 | 11.1 | -11.1 | -.4 | | 100 | 12.2 | -12.0 | 2.1 | | 95 | 14.6 | -14.5 | 1.4 | 2500 |
| 2250 | | 88 | 9.6 | -9.6 | -.3 | 3 | 86 | 11.2 | -11.2 | -.7 | | 105 | 13.0 | -12.5 | 3.5 | | 95 | 15.8 | -15.8 | 1.2 | 2250 |
| 2000 | | 82 | 10.4 | -10.3 | -1.5 | 2 | 86 | 11.3 | -11.3 | -.8 | | 109 | 12.5 | -11.9 | 4.0 | | 92 | 15.0 | -15.0 | .5 | 2000 |
| 1750 | | 81 | 10.1 | -10.0 | -1.6 | 1 | 88 | 11.5 | -11.5 | -.4 | | 99 | 11.3 | -11.1 | 1.7 | | 86 | 12.2 | -12.1 | -.9 | 1750 |
| 1500 | | 83 | 9.6 | -9.5 | -1.1 | 1 | 92 | 12.2 | -12.2 | .4 | | 86 | 11.7 | -11.6 | -.9 | | 62 | 7.2 | -6.4 | -3.4 | 1500 |
| 1250 | | 89 | 10.1 | -10.1 | -.2 | 2 | 96 | 12.8 | -12.7 | 1.4 | | 85 | 11.8 | -11.7 | -1.1 | | 74 | 7.2 | -6.9 | -2.0 | 1250 |
| 1000 | | 96 | 9.9 | -9.9 | 1.1 | | 100 | 12.2 | -12.0 | 2.1 | | 86 | 11.2 | -11.2 | -.7 | | 97 | 10.0 | -9.9 | 1.2 | 1000 |
| 750 | | 91 | 9.1 | -9.1 | .1 | | 104 | 10.1 | -9.8 | 2.4 | | 94 | 10.1 | -10.1 | .8 | | 106 | 10.0 | -9.6 | 2.8 | 750 |
| 500 | | 82 | 9.3 | -9.2 | -1.3 | | 109 | 7.6 | -7.2 | 2.4 | | 109 | 8.9 | -8.5 | 2.9 | | 117 | 7.4 | -6.6 | 3.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 3 | 103 | 6.4 | -6.3 | 1.4 | | 116 | 8.2 | -7.3 | 3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/27 1754 GMT | | | | | 3/27 2348 GMT | | | | | 3/28 6 0 GMT | | | | | 3/28 1145 GMT | | | | |
| 2500 | | 101 | 13.7 | -13.5 | 2.6 | | 92 | 10.5 | -10.5 | .4 | | 71 | 12.7 | -12.0 | -4.0 | | 79 | 11.0 | -10.8 | -2.1 | 2500 |
| 2250 | | 100 | 12.2 | -12.0 | 2.2 | | 87 | 10.6 | -10.5 | -.6 | | 66 | 12.6 | -11.4 | -5.2 | | 80 | 10.5 | -10.3 | -1.8 | 2250 |
| 2000 | | 93 | 11.5 | -11.5 | .5 | | 92 | 10.3 | -10.3 | .3 | | 67 | 11.9 | -10.9 | -4.6 | | 76 | 10.0 | -9.8 | -2.4 | 2000 |
| 1750 | | 89 | 10.6 | -10.6 | -.3 | | 95 | 9.4 | -9.4 | .8 | | 70 | 11.8 | -11.1 | -4.1 | | 74 | 9.7 | -9.3 | -2.6 | 1750 |
| 1500 | | 87 | 8.5 | -8.5 | -.4 | | 90 | 8.8 | -8.8 | .0 | | 66 | 12.2 | -11.2 | -5.0 | | 70 | 10.0 | -9.4 | -3.4 | 1500 |
| 1250 | | 90 | 8.1 | -8.1 | -.0 | | 87 | 9.3 | -9.3 | -.5 | | 65 | 11.5 | -10.4 | -4.8 | | 69 | 10.4 | -9.7 | -3.8 | 1250 |
| 1000 | | 97 | 9.2 | -9.1 | 1.1 | | 91 | 8.9 | -8.9 | .1 | | 73 | 9.4 | -9.0 | -2.8 | | 75 | 9.3 | -9.0 | -2.5 | 1000 |
| 750 | | 101 | 9.2 | -9.1 | 1.8 | | 101 | 7.5 | -7.4 | 1.4 | | 87 | 7.1 | -7.1 | -.4 | | 86 | 7.2 | -7.2 | -.5 | 750 |
| 500 | | 104 | 8.0 | -7.8 | 2.0 | | 111 | 6.8 | -6.3 | 2.4 | 3 | 102 | 5.4 | -5.3 | 1.2 | | 98 | 5.5 | -5.5 | .8 | 500 |
| 250 | | 116 | 6.1 | -5.5 | 2.7 | | 115 | 5.4 | -4.9 | 2.3 | | 112 | 5.1 | -4.8 | 1.9 | | 113 | 4.4 | -4.1 | 1.7 | 250 |
| | | 3/28 1826 GMT | | | | | 3/28 2350 GMT | | | | | 3/29 550 GMT | | | | | 3/29 1210 GMT | | | | |
| 2500 | | 84 | 10.3 | -10.3 | -1.1 | | 61 | 11.5 | -10.0 | -5.6 | | 63 | 9.6 | -8.6 | -4.3 | | 105 | 11.2 | -10.8 | 2.9 | 2500 |
| 2250 | | 91 | 10.1 | -10.1 | .1 | | 72 | 8.4 | -7.9 | -2.6 | | 71 | 9.0 | -8.5 | -2.9 | | 105 | 8.9 | -8.6 | 2.3 | 2250 |
| 2000 | | 94 | 8.6 | -8.6 | .6 | | 78 | 8.1 | -7.9 | -1.6 | | 73 | 7.3 | -7.0 | -2.2 | | 100 | 8.7 | -8.5 | 1.4 | 2000 |
| 1750 | | 92 | 7.0 | -7.0 | .2 | 3 | 74 | 7.8 | -7.5 | -2.2 | | 77 | 6.0 | -5.8 | -1.3 | | 103 | 11.1 | -10.8 | 2.5 | 1750 |
| 1500 | | 87 | 5.9 | -5.9 | -.3 | 2 | 80 | 7.8 | -7.7 | -1.4 | | 89 | 6.1 | -6.1 | -.1 | | 107 | 11.9 | -11.4 | 3.4 | 1500 |
| 1250 | | 93 | 6.0 | -6.0 | .3 | | 97 | 7.5 | -7.4 | .9 | | 101 | 7.4 | -7.3 | 1.4 | | 102 | 9.8 | -9.6 | 2.0 | 1250 |
| 1000 | | 104 | 7.3 | -7.1 | 1.8 | | 112 | 7.7 | -7.1 | 2.9 | | 104 | 7.6 | -7.3 | 1.9 | | 98 | 8.4 | -8.3 | 1.1 | 1000 |
| 750 | | 112 | 8.5 | -7.9 | 3.2 | | 120 | 8.2 | -7.1 | 4.1 | | 106 | 7.5 | -7.2 | 2.1 | | 108 | 8.7 | -8.3 | 2.7 | 750 |
| 500 | | 119 | 8.3 | -7.3 | 4.0 | | 127 | 8.6 | -6.8 | 5.2 | | 114 | 8.3 | -7.6 | 3.3 | | 121 | 7.9 | -6.7 | 4.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 133 | 7.8 | -5.7 | 5.3 | | 121 | 7.7 | -6.6 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/29 15 0 GMT | | | | | 3/29 1810 GMT | | | | | 3/29 2040 GMT | | | | | 3/29 2356 GMT | | | | |
| 2500 | | 102 | 9.9 | -9.7 | 2.0 | | 77 | 11.7 | -11.4 | -2.6 | | 85 | 12.0 | -12.0 | -1.0 | | 90 | 12.9 | -12.9 | -.0 | 2500 |
| 2250 | | 102 | 9.9 | -9.7 | 2.1 | | 80 | 12.2 | -12.1 | -2.1 | | 87 | 11.4 | -11.4 | -.7 | | 95 | 12.7 | -12.7 | 1.0 | 2250 |
| 2000 | | 98 | 11.0 | -10.9 | 1.5 | | 88 | 13.3 | -13.3 | -.4 | | 86 | 11.8 | -11.8 | -.8 | | 100 | 11.7 | -11.5 | 2.0 | 2000 |
| 1750 | | 96 | 11.6 | -11.6 | 1.3 | | 92 | 12.9 | -12.9 | .5 | | 87 | 12.1 | -12.0 | -.6 | | 98 | 10.9 | -10.8 | 1.4 | 1750 |
| 1500 | | 97 | 11.7 | -11.6 | 1.5 | | 89 | 11.5 | -11.5 | -.3 | | 88 | 11.1 | -11.1 | -.4 | | 94 | 10.0 | -9.9 | .7 | 1500 |
| 1250 | | 100 | 11.1 | -10.9 | 1.9 | | 89 | 11.5 | -11.5 | -.3 | | 87 | 11.4 | -11.4 | -.7 | | 97 | 9.2 | -9.1 | 1.2 | 1250 |
| 1000 | | 104 | 10.3 | -10.0 | 2.5 | | 96 | 12.0 | -11.9 | 1.2 | | 90 | 12.4 | -12.4 | -.0 | | 102 | 10.1 | -9.8 | 2.1 | 1000 |
| 750 | | 110 | 9.8 | -9.2 | 3.3 | | 102 | 11.2 | -11.0 | 2.4 | | 97 | 11.5 | -11.4 | 1.3 | | 105 | 11.6 | -11.2 | 3.0 | 750 |
| 500 | | 118 | 9.0 | -8.0 | 4.2 | | 109 | 9.9 | -9.3 | 3.3 | | 103 | 8.8 | -8.5 | 2.0 | | 112 | 12.8 | -11.9 | 4.8 | 500 |
| 250 | | 128 | 6.6 | -5.2 | 4.0 | | 115 | 8.4 | -7.6 | 3.6 | | 106 | 7.9 | -7.6 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/30 314 GMT | | | | | 3/30 630 GMT | | | | | 3/30 845 GMT | | | | | 3/30 1212 GMT | | | | |
| 2500 | | 85 | 11.2 | -11.1 | -1.0 | | 95 | 10.3 | -10.3 | .9 | | 101 | 11.2 | -11.0 | 2.1 | | 94 | 11.0 | -11.0 | .7 | 2500 |
| 2250 | | 93 | 10.6 | -10.6 | .5 | | 99 | 11.0 | -10.8 | 1.8 | | 99 | 11.3 | -11.2 | 1.8 | | 92 | 11.2 | -11.2 | .4 | 2250 |
| 2000 | | 97 | 10.4 | -10.3 | 1.3 | | 99 | 12.0 | -11.9 | 1.9 | | 99 | 12.0 | -11.9 | 1.8 | | 91 | 11.8 | -11.8 | .2 | 2000 |
| 1750 | | 92 | 10.9 | -10.9 | .4 | | 101 | 11.4 | -11.2 | 2.3 | | 95 | 12.6 | -12.6 | 1.1 | | 85 | 12.3 | -12.3 | -1.0 | 1750 |
| 1500 | | 91 | 11.1 | -11.1 | .2 | | 96 | 11.1 | -11.1 | 1.1 | | 85 | 13.4 | -13.3 | -1.2 | | 78 | 12.4 | -12.1 | -2.5 | 1500 |
| 1250 | | 94 | 11.3 | -11.3 | .9 | | 86 | 11.8 | -11.8 | -.9 | | 75 | 14.1 | -13.6 | -3.6 | | 79 | 12.2 | -11.9 | -2.3 | 1250 |
| 1000 | | 96 | 11.6 | -11.5 | 1.2 | | 84 | 11.7 | -11.6 | -1.3 | | 76 | 13.1 | -12.7 | -3.1 | | 88 | 12.0 | -12.0 | -.5 | 1000 |
| 750 | | 99 | 10.5 | -10.4 | 1.7 | | 88 | 11.2 | -11.2 | -.3 | | 88 | 10.7 | -10.7 | -.4 | | 96 | 11.3 | -11.2 | 1.2 | 750 |
| 500 | | 107 | 8.6 | -8.2 | 2.4 | | 91 | 9.3 | -9.3 | .1 | | 99 | 8.7 | -8.6 | 1.3 | | 100 | 9.0 | -8.8 | 1.6 | 500 |
| 250 | | 115 | 7.3 | -6.6 | 3.1 | | 94 | 6.9 | -6.9 | .5 | | 103 | 8.1 | -7.8 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/30 1745 GMT | | | | | 3/31 0 4 GMT | | | | | 3/31 555 GMT | | | | | 4/ 1 1321 GMT | | | | |
| 2500 | | 92 | 11.2 | -11.2 | .3 | | 91 | 11.4 | -11.4 | .1 | | 92 | 13.6 | -13.6 | .6 | | 80 | 9.9 | -9.8 | -1.7 | 2500 |
| 2250 | | 87 | 10.6 | -10.6 | -.6 | | 84 | 13.7 | -13.6 | -1.4 | | 84 | 14.0 | -14.0 | -1.4 | | 99 | 10.8 | -10.7 | 1.7 | 2250 |
| 2000 | | 84 | 10.7 | -10.6 | -1.2 | | 83 | 14.5 | -14.3 | -1.8 | | 75 | 14.9 | -14.4 | -3.8 | | 112 | 15.5 | -14.4 | 5.8 | 2000 |
| 1750 | | 79 | 10.1 | -10.0 | -1.9 | | 84 | 12.6 | -12.5 | -1.3 | | 70 | 14.0 | -13.2 | -4.9 | | 112 | 16.3 | -15.2 | 6.1 | 1750 |
| 1500 | | 74 | 9.9 | -9.5 | -2.7 | | 85 | 10.2 | -10.2 | -.8 | | 68 | 12.2 | -11.3 | -4.6 | | 106 | 14.8 | -14.3 | 4.0 | 1500 |
| 1250 | | 78 | 10.0 | -9.8 | -2.0 | | 86 | 10.3 | -10.3 | -.7 | | 70 | 11.3 | -10.6 | -3.8 | | 104 | 17.8 | -17.3 | 4.3 | 1250 |
| 1000 | | 90 | 10.4 | -10.4 | .0 | | 88 | 10.1 | -10.1 | -.4 | | 74 | 11.3 | -10.9 | -3.2 | | 107 | 20.9 | -20.0 | 6.2 | 1000 |
| 750 | | 103 | 11.1 | -10.8 | 2.5 | | 89 | 8.6 | -8.6 | -.2 | | 76 | 11.7 | -11.3 | -2.8 | | 109 | 19.0 | -17.9 | 6.3 | 750 |
| 500 | | 112 | 9.8 | -9.1 | 3.7 | | 89 | 6.8 | -6.8 | -.1 | | 76 | 11.1 | -10.8 | -2.6 | | 107 | 19.9 | -19.0 | 5.9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 6.2 | -6.2 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 1 1637 GMT | | | | | 4/ 1 1835 GMT | | | | | 4/ 1 2055 GMT | | | | | 4/ 1 2320 GMT | | | | |
| 2500 | | 161 | 3.7 | -1.2 | 3.5 | | 130 | 8.7 | -6.6 | 5.6 | | 92 | 8.2 | -8.2 | .4 | | 100 | 11.8 | -11.6 | 2.0 | 2500 |
| 2250 | 3 | 126 | 8.2 | -6.6 | 4.9 | | 127 | 9.6 | -7.7 | 5.8 | | 77 | 7.3 | -7.1 | -1.6 | | 88 | 12.1 | -12.1 | -.4 | 2250 |
| 2000 | | 126 | 12.3 | -9.9 | 7.3 | | 129 | 9.0 | -7.0 | 5.7 | | 75 | 13.8 | -13.4 | -3.6 | | 78 | 12.8 | -12.5 | -2.7 | 2000 |
| 1750 | | 127 | 13.4 | -10.7 | 8.0 | | 129 | 8.5 | -6.7 | 5.3 | | 76 | 17.0 | -16.4 | -4.2 | 3 | 74 | 13.6 | -13.1 | -3.6 | 1750 |
| 1500 | | 113 | 15.3 | -14.1 | 6.0 | | 117 | 9.4 | -8.4 | 4.2 | | 76 | 16.2 | -15.7 | -4.0 | 3 | 75 | 13.6 | -13.1 | -3.6 | 1500 |
| 1250 | | 100 | 13.8 | -13.6 | 2.5 | | 97 | 11.4 | -11.4 | 1.5 | | 75 | 13.7 | -13.2 | -3.6 | | 78 | 12.7 | -12.4 | -2.6 | 1250 |
| 1000 | | 96 | 12.8 | -12.8 | 1.4 | | 85 | 14.6 | -14.5 | -1.2 | | 74 | 12.0 | -11.6 | -3.3 | | 86 | 11.8 | -11.8 | -.8 | 1000 |
| 750 | | 91 | 15.6 | -15.6 | .4 | | 85 | 15.8 | -15.7 | -1.4 | | 79 | 12.5 | -12.3 | -2.4 | | 94 | 10.6 | -10.6 | .7 | 750 |
| 500 | | 83 | 16.6 | -16.5 | -1.9 | | 87 | 14.0 | -13.9 | -.8 | | 84 | 11.1 | -11.0 | -1.1 | | 95 | 8.4 | -8.3 | .7 | 500 |
| 250 | | 78 | 12.0 | -11.8 | -2.4 | | 92 | 10.5 | -10.5 | .4 | | 82 | 8.0 | -7.9 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 2 230 GMT | | | | | 4/ 2 529 GMT | | | | | 4/ 2 829 GMT | | | | | 4/ 2 1126 GMT | | | | |
| 2500 | | 83 | 10.2 | -10.1 | -1.2 | | 77 | 10.0 | -9.8 | -2.2 | | 97 | 11.1 | -11.0 | 1.3 | | 89 | 8.9 | -8.9 | -.2 | 2500 |
| 2250 | | 75 | 10.0 | -9.7 | -2.6 | | 80 | 10.2 | -10.1 | -1.8 | | 98 | 12.7 | -12.5 | 1.8 | | 87 | 12.6 | -12.6 | -.6 | 2250 |
| 2000 | | 71 | 10.4 | -9.8 | -3.5 | | 83 | 11.4 | -11.3 | -1.4 | | 93 | 13.0 | -13.0 | .7 | | 90 | 15.0 | -15.0 | -.1 | 2000 |
| 1750 | | 69 | 11.4 | -10.6 | -4.1 | 3 | 86 | 12.9 | -12.9 | -.9 | | 88 | 14.7 | -14.6 | -.5 | | 84 | 10.3 | -10.2 | -1.1 | 1750 |
| 1500 | | 72 | 13.1 | -12.4 | -4.0 | 1 | 90 | 13.5 | -13.5 | .0 | | 91 | 15.1 | -15.0 | .3 | | 76 | 8.2 | -8.0 | -1.9 | 1500 |
| 1250 | | 78 | 13.6 | -13.3 | -2.8 | 0 | 94 | 12.9 | -12.9 | .9 | | 95 | 13.5 | -13.5 | 1.3 | | 86 | 10.6 | -10.6 | -.7 | 1250 |
| 1000 | | 83 | 12.6 | -12.6 | -1.5 | 0 | 95 | 11.4 | -11.4 | .9 | | 91 | 12.2 | -12.2 | .3 | | 97 | 10.6 | -10.5 | 1.3 | 1000 |
| 750 | | 88 | 11.1 | -11.1 | -.4 | 0 | 93 | 9.5 | -9.5 | .4 | | 90 | 9.4 | -9.4 | .1 | | 105 | 10.2 | -9.9 | 2.7 | 750 |
| 500 | | 95 | 8.9 | -8.9 | .8 | 1 | 93 | 7.9 | -7.9 | .4 | | 95 | 5.9 | -5.9 | .6 | | 107 | 9.1 | -8.7 | 2.6 | 500 |
| 250 | | 103 | 6.8 | -6.6 | 1.6 | | 101 | 6.9 | -6.8 | 1.3 | | 104 | 4.4 | -4.3 | 1.1 | | 110 | 6.8 | -6.4 | 2.4 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 2 1730 GMT | | | | | 4/ 2 2320 GMT | | | | | 4/ 3 542 GMT | | | | | 4/ 3 1214 GMT | | | | |
| 2500 | | 94 | 8.4 | -8.4 | .6 | | 94 | 6.1 | -6.1 | .4 | | 94 | 6.9 | -6.8 | .5 | | 110 | 5.7 | -5.4 | 1.9 | 2500 |
| 2250 | | 90 | 8.5 | -8.5 | -.0 | | 92 | 8.3 | -8.3 | .3 | | 89 | 9.1 | -9.1 | -.2 | | 96 | 5.2 | -5.2 | .6 | 2250 |
| 2000 | | 81 | 9.8 | -9.7 | -1.5 | | 94 | 11.3 | -11.2 | .8 | | 89 | 9.7 | -9.7 | -.2 | | 101 | 6.1 | -6.0 | 1.2 | 2000 |
| 1750 | | 84 | 10.5 | -10.5 | -1.2 | | 92 | 12.9 | -12.8 | .5 | | 82 | 10.0 | -9.9 | -1.3 | | 92 | 7.5 | -7.5 | .2 | 1750 |
| 1500 | | 94 | 10.8 | -10.7 | .7 | | 89 | 12.5 | -12.5 | -.3 | | 78 | 11.0 | -10.7 | -2.2 | | 80 | 8.4 | -8.3 | -1.5 | 1500 |
| 1250 | | 96 | 11.2 | -11.1 | 1.2 | | 89 | 11.5 | -11.5 | -.1 | | 87 | 9.8 | -9.8 | -.5 | | 81 | 8.0 | -7.9 | -1.3 | 1250 |
| 1000 | | 96 | 10.7 | -10.6 | 1.1 | | 95 | 10.9 | -10.8 | .9 | | 105 | 9.0 | -8.7 | 2.4 | | 90 | 7.3 | -7.3 | .0 | 1000 |
| 750 | | 99 | 9.6 | -9.5 | 1.5 | | 101 | 9.8 | -9.6 | 1.9 | | 111 | 9.4 | -8.7 | 3.4 | | 107 | 6.0 | -5.7 | 1.8 | 750 |
| 500 | | 103 | 8.6 | -8.4 | 1.9 | | 105 | 7.8 | -7.5 | 2.0 | | 112 | 8.1 | -7.5 | 3.0 | | 132 | 4.6 | -3.4 | 3.1 | 500 |
| 250 | | 105 | 7.2 | -7.0 | 1.9 | | 99 | 6.0 | -5.9 | 1.0 | | 121 | 4.9 | -4.2 | 2.5 | | 145 | 3.7 | -2.2 | 3.0 | 250 |
| | | 4/ 3 1529 GMT | | | | | 4/ 3 1745 GMT | | | | | 4/ 3 2025 GMT | | | | | 4/ 3 2350 GMT | | | | |
| 2500 | 3 | 107 | 4.6 | -4.4 | 1.4 | | 112 | 4.4 | -4.1 | 1.6 | | 117 | 3.7 | -3.3 | 1.7 | | 117 | 4.5 | -4.0 | 2.0 | 2500 |
| 2250 | 1 | 92 | 4.8 | -4.8 | .1 | | 96 | 2.9 | -2.9 | .3 | | 95 | 3.9 | -3.9 | .4 | | 114 | 4.6 | -4.2 | 1.9 | 2250 |
| 2000 | 0 | 82 | 5.0 | -5.0 | -.7 | | 86 | 2.8 | -2.8 | -.2 | | 91 | 5.6 | -5.6 | .1 | | 111 | 5.6 | -5.3 | 2.0 | 2000 |
| 1750 | 0 | 85 | 5.9 | -5.9 | -.6 | | 80 | 5.2 | -5.1 | -.9 | | 88 | 6.8 | -6.8 | -.2 | | 105 | 6.9 | -6.7 | 1.8 | 1750 |
| 1500 | 0 | 94 | 6.6 | -6.6 | .4 | | 80 | 7.0 | -6.9 | -1.2 | | 93 | 8.0 | -8.0 | .4 | | 107 | 6.9 | -6.6 | 2.1 | 1500 |
| 1250 | 0 | 103 | 7.0 | -6.9 | 1.6 | | 92 | 7.8 | -7.8 | .3 | | 101 | 8.3 | -8.1 | 1.6 | | 114 | 5.9 | -5.4 | 2.4 | 1250 |
| 1000 | | 112 | 7.1 | -6.5 | 2.7 | | 105 | 8.2 | -8.0 | 2.1 | | 106 | 7.1 | -6.8 | 2.0 | | 110 | 5.6 | -5.3 | 1.9 | 1000 |
| 750 | | 123 | 6.8 | -5.7 | 3.7 | | 113 | 7.3 | -6.7 | 2.8 | | 101 | 5.1 | -5.0 | 1.0 | | 98 | 6.2 | -6.2 | .9 | 750 |
| 500 | | 133 | 6.2 | -4.5 | 4.2 | | 124 | 5.6 | -4.6 | 3.1 | | 94 | 3.6 | -3.6 | .2 | | 85 | 5.8 | -5.8 | -.5 | 500 |
| 250 | | 136 | 5.3 | -3.7 | 3.8 | | 136 | 5.2 | -3.6 | 3.7 | | 101 | 3.0 | -3.0 | .6 | | 75 | 4.7 | -4.5 | -1.2 | 250 |
| | | 4/ 4 243 GMT | | | | | 4/ 4 540 GMT | | | | | 4/ 4 9 9 GMT | | | | | 4/ 4 1140 GMT | | | | |
| 2500 | 1 | 120 | 6.4 | -5.6 | 3.2 | | 103 | 6.4 | -6.3 | 1.5 | | 100 | 7.1 | -7.0 | 1.2 | 3 | 107 | 8.6 | -8.2 | 2.5 | 2500 |
| 2250 | 0 | 110 | 8.1 | -7.6 | 2.8 | | 101 | 6.3 | -6.2 | 1.2 | | 99 | 8.3 | -8.2 | 1.2 | | 109 | 11.0 | -10.4 | 3.6 | 2250 |
| 2000 | 0 | 107 | 8.4 | -8.1 | 2.4 | | 93 | 6.7 | -6.7 | .4 | | 98 | 7.3 | -7.3 | 1.1 | | 103 | 10.0 | -9.8 | 2.2 | 2000 |
| 1750 | 0 | 105 | 7.4 | -7.1 | 2.0 | | 89 | 8.7 | -8.7 | -.2 | | 101 | 6.4 | -6.3 | 1.3 | | 93 | 8.3 | -8.3 | .4 | 1750 |
| 1500 | 0 | 110 | 5.1 | -4.8 | 1.7 | | 87 | 9.1 | -9.1 | -.5 | | 107 | 6.6 | -6.3 | 2.0 | | 89 | 7.9 | -7.9 | -.1 | 1500 |
| 1250 | 2 | 120 | 3.2 | -2.8 | 1.6 | | 81 | 6.8 | -6.7 | -1.0 | | 109 | 7.1 | -6.7 | 2.3 | | 91 | 7.6 | -7.6 | .1 | 1250 |
| 1000 | | 98 | 6.0 | -5.9 | .8 | | 88 | 4.6 | -4.6 | -.2 | | 105 | 7.8 | -7.5 | 2.0 | | 98 | 6.1 | -6.0 | .8 | 1000 |
| 750 | | 89 | 8.2 | -8.2 | -.1 | | 79 | 5.8 | -5.7 | -1.1 | | 104 | 8.4 | -8.2 | 2.0 | | 109 | 5.8 | -5.5 | 1.9 | 750 |
| 500 | | 83 | 4.5 | -4.4 | -.6 | | 78 | 6.2 | -6.1 | -1.3 | | 101 | 7.8 | -7.7 | 1.5 | | 110 | 6.2 | -5.8 | 2.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 7.4 | -7.4 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 4 1745 GMT | | | | | 4/ 4 2330 GMT | | | | | 4/ 5 630 GMT | | | | | 4/ 5 1115 GMT | | | | |
| 2500 | | 108 | 5.4 | -5.1 | 1.6 | | 108 | 4.1 | -3.9 | 1.2 | | 98 | 5.4 | -5.4 | .8 | | 107 | 6.7 | -6.5 | 1.9 | 2500 |
| 2250 | | 116 | 8.2 | -7.4 | 3.6 | | 120 | 7.1 | -6.2 | 3.5 | | 103 | 9.7 | -9.4 | 2.2 | | 104 | 10.1 | -9.8 | 2.5 | 2250 |
| 2000 | | 111 | 9.6 | -9.0 | 3.5 | | 115 | 9.0 | -8.2 | 3.8 | | 100 | 12.7 | -12.5 | 2.3 | | 97 | 12.7 | -12.6 | 1.5 | 2000 |
| 1750 | | 101 | 8.4 | -8.2 | 1.6 | | 98 | 9.5 | -9.4 | 1.3 | | 90 | 12.8 | -12.8 | .1 | | 82 | 12.7 | -12.6 | -1.8 | 1750 |
| 1500 | | 97 | 7.3 | -7.3 | .9 | | 84 | 9.8 | -9.8 | -1.0 | | 77 | 11.6 | -11.3 | -2.6 | | 69 | 12.6 | -11.8 | -4.5 | 1500 |
| 1250 | | 102 | 7.8 | -7.6 | 1.7 | | 83 | 9.1 | -9.0 | -1.1 | | 72 | 9.7 | -9.3 | -3.0 | | 72 | 12.6 | -12.0 | -3.9 | 1250 |
| 1000 | | 104 | 7.9 | -7.7 | 1.9 | | 96 | 7.3 | -7.3 | .7 | | 79 | 8.2 | -8.0 | -1.6 | | 83 | 11.9 | -11.8 | -1.5 | 1000 |
| 750 | | 103 | 7.2 | -7.0 | 1.6 | | 112 | 6.4 | -6.0 | 2.4 | | 89 | 8.7 | -8.7 | -.1 | | 92 | 10.1 | -10.1 | .4 | 750 |
| 500 | | 104 | 6.1 | -5.9 | 1.5 | | 117 | 6.3 | -5.6 | 2.9 | | 95 | 9.2 | -9.2 | .9 | | 93 | 9.1 | -9.1 | .5 | 500 |
| 250 | | 107 | 4.7 | -4.5 | 1.4 | | 122 | 6.6 | -5.6 | 3.5 | | 101 | 7.2 | -7.0 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 5 18 0 GMT | | | | | 4/ 5 2325 GMT | | | | | 4/ 6 6 7 GMT | | | | | 4/ 6 1213 GMT | | | | |
| 2500 | | 119 | 8.3 | -7.3 | 4.1 | | 121 | 8.1 | -6.9 | 4.2 | | 106 | 10.8 | -10.3 | 3.0 | 2 | 109 | 12.4 | -11.7 | 4.0 | 2500 |
| 2250 | | 122 | 9.6 | -8.2 | 5.1 | | 118 | 10.2 | -9.0 | 4.9 | | 101 | 12.7 | -12.5 | 2.4 | 3 | 102 | 13.6 | -13.3 | 2.9 | 2250 |
| 2000 | | 120 | 10.2 | -8.9 | 5.0 | | 119 | 10.4 | -9.1 | 5.0 | | 96 | 14.9 | -14.8 | 1.6 | | 95 | 11.5 | -11.4 | 1.0 | 2000 |
| 1750 | | 108 | 12.0 | -11.5 | 3.7 | | 111 | 9.7 | -9.1 | 3.5 | | 89 | 15.2 | -15.2 | -.2 | | 86 | 12.7 | -12.7 | -.9 | 1750 |
| 1500 | | 99 | 13.9 | -13.8 | 2.2 | | 97 | 9.9 | -9.8 | 1.2 | | 79 | 13.7 | -13.4 | -2.5 | | 83 | 15.4 | -15.3 | -1.8 | 1500 |
| 1250 | | 97 | 13.6 | -13.5 | 1.6 | | 91 | 10.3 | -10.3 | .2 | | 75 | 12.3 | -11.9 | -3.2 | | 84 | 14.1 | -14.0 | -1.6 | 1250 |
| 1000 | | 95 | 12.3 | -12.2 | 1.1 | | 102 | 8.8 | -8.6 | 1.8 | | 80 | 13.0 | -12.8 | -2.2 | | 85 | 12.0 | -12.0 | -1.1 | 1000 |
| 750 | | 94 | 10.6 | -10.6 | .8 | | 123 | 6.8 | -5.7 | 3.7 | | 82 | 13.1 | -13.0 | -1.8 | | 85 | 11.2 | -11.1 | -.9 | 750 |
| 500 | | 99 | 7.9 | -7.8 | 1.2 | | 123 | 5.4 | -4.5 | 2.9 | | 81 | 9.8 | -9.6 | -1.6 | | 87 | 9.4 | -9.4 | -.5 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 113 | 5.1 | -4.7 | 2.0 | | 86 | 7.4 | -7.4 | -.5 | | 95 | 6.8 | -6.8 | .6 | 250 |
| | | 4/ 6 1514 GMT | | | | | 4/ 6 18 4 GMT | | | | | 4/ 6 2130 GMT | | | | | 4/ 6 2325 GMT | | | | |
| 2500 | | 114 | 14.3 | -13.1 | 5.7 | | 111 | 14.7 | -13.6 | 5.3 | | 103 | 12.1 | -11.8 | 2.7 | | 106 | 13.6 | -13.1 | 3.9 | 2500 |
| 2250 | | 103 | 15.1 | -14.7 | 3.3 | | 104 | 16.2 | -15.7 | 4.0 | | 97 | 15.1 | -15.0 | 1.7 | | 98 | 16.1 | -16.0 | 2.2 | 2250 |
| 2000 | | 89 | 14.5 | -14.5 | -.3 | | 98 | 14.1 | -14.0 | 2.0 | | 90 | 15.5 | -15.5 | .0 | | 89 | 15.9 | -15.9 | -.3 | 2000 |
| 1750 | | 82 | 14.3 | -14.1 | -2.0 | | 98 | 13.2 | -13.1 | 1.8 | | 87 | 14.9 | -14.9 | -.7 | | 84 | 14.4 | -14.4 | -1.6 | 1750 |
| 1500 | | 83 | 13.5 | -13.4 | -1.7 | | 98 | 14.5 | -14.3 | 2.0 | | 87 | 15.5 | -15.5 | -.7 | | 82 | 12.9 | -12.8 | -1.9 | 1500 |
| 1250 | | 85 | 12.7 | -12.6 | -1.2 | | 92 | 14.7 | -14.7 | .6 | | 87 | 15.8 | -15.8 | -1.0 | | 81 | 11.4 | -11.2 | -1.8 | 1250 |
| 1000 | | 85 | 11.5 | -11.5 | -1.0 | | 86 | 14.0 | -14.0 | -1.0 | | 88 | 14.5 | -14.5 | -.6 | | 84 | 11.8 | -11.8 | -1.2 | 1000 |
| 750 | | 90 | 10.3 | -10.3 | .0 | | 88 | 13.1 | -13.1 | -.5 | | 93 | 13.3 | -13.2 | .7 | | 87 | 12.5 | -12.5 | -.6 | 750 |
| 500 | | 99 | 9.4 | -9.3 | 1.5 | | 94 | 10.9 | -10.9 | .7 | | 99 | 12.4 | -12.2 | 1.9 | | 89 | 9.9 | -9.9 | -.1 | 500 |
| 250 | | 105 | 7.3 | -7.1 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 10.7 | -10.5 | 2.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 7 225 GMT | | | | | 4/ 7 620 GMT | | | | | 4/ 7 855 GMT | | | | | 4/ 7 12 5 GMT | | | | |
| 2500 | | 103 | 18.5 | -18.1 | 4.0 | | 102 | 18.8 | -18.4 | 4.0 | | 103 | 17.9 | -17.4 | 3.9 | | 99 | 18.0 | -17.8 | 2.9 | 2500 |
| 2250 | | 103 | 17.4 | -16.9 | 4.0 | | 100 | 17.5 | -17.3 | 3.0 | | 99 | 17.1 | -16.9 | 2.6 | | 96 | 15.8 | -15.7 | 1.6 | 2250 |
| 2000 | | 95 | 15.0 | -14.9 | 1.4 | | 94 | 15.5 | -15.4 | 1.2 | | 89 | 15.5 | -15.5 | -.4 | | 84 | 14.6 | -14.5 | -1.4 | 2000 |
| 1750 | | 82 | 14.1 | -14.0 | -1.9 | | 83 | 12.9 | -12.8 | -1.6 | 2 | 76 | 13.9 | -13.5 | -3.4 | | 79 | 15.2 | -14.9 | -3.0 | 1750 |
| 1500 | | 76 | 13.5 | -13.1 | -3.4 | | 69 | 16.6 | -15.5 | -5.9 | 1 | 71 | 12.6 | -11.9 | -4.2 | | 78 | 14.7 | -14.4 | -3.1 | 1500 |
| 1250 | | 73 | 12.3 | -11.8 | -3.6 | | 70 | 13.5 | -12.7 | -4.5 | | 73 | 11.7 | -11.2 | -3.5 | | 78 | 13.4 | -13.1 | -2.9 | 1250 |
| 1000 | | 74 | 11.6 | -11.1 | -3.2 | | 71 | 11.8 | -11.2 | -3.8 | | 77 | 11.5 | -11.2 | -2.6 | | 81 | 12.6 | -12.4 | -1.9 | 1000 |
| 750 | | 81 | 10.7 | -10.6 | -1.6 | | 76 | 9.9 | -9.6 | -2.5 | | 83 | 11.3 | -11.2 | -1.5 | | 87 | 12.0 | -12.0 | -.7 | 750 |
| 500 | | 89 | 9.2 | -9.2 | -.2 | | 85 | 7.3 | -7.3 | -.7 | | 90 | 10.1 | -10.1 | -.0 | | 90 | 10.8 | -10.8 | .1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 6.7 | -6.7 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 8.7 | -8.7 | .0 | 250 |
| | | 4/ 7 18 4 GMT | | | | | 4/ 7 2325 GMT | | | | | 4/ 8 6 4 GMT | | | | | 4/ 8 1315 GMT | | | | |
| 2500 | | 92 | 16.9 | -16.8 | .7 | | 81 | 10.9 | -10.8 | -1.7 | | 90 | 12.8 | -12.8 | -.0 | | 91 | 11.0 | -11.0 | .2 | 2500 |
| 2250 | | 82 | 15.6 | -15.5 | -2.1 | | 61 | 9.1 | -7.9 | -4.4 | | 70 | 11.1 | -10.4 | -3.8 | | 82 | 11.0 | -10.9 | -1.6 | 2250 |
| 2000 | | 75 | 15.3 | -14.9 | -3.9 | | 67 | 8.0 | -7.4 | -3.1 | | 58 | 10.8 | -9.1 | -5.7 | | 81 | 11.5 | -11.4 | -1.8 | 2000 |
| 1750 | | 76 | 15.9 | -15.4 | -3.9 | | 78 | 9.9 | -9.7 | -2.0 | | 61 | 10.8 | -9.5 | -5.2 | | 85 | 10.7 | -10.6 | -1.0 | 1750 |
| 1500 | | 79 | 15.2 | -14.9 | -2.9 | | 82 | 11.8 | -11.7 | -1.7 | | 69 | 11.1 | -10.4 | -3.9 | | 81 | 10.0 | -9.8 | -1.6 | 1500 |
| 1250 | | 84 | 13.3 | -13.2 | -1.4 | | 87 | 12.3 | -12.3 | -.7 | | 79 | 11.7 | -11.5 | -2.2 | | 82 | 9.3 | -9.2 | -1.2 | 1250 |
| 1000 | | 94 | 11.6 | -11.5 | .9 | | 92 | 11.3 | -11.3 | .5 | | 89 | 11.9 | -11.9 | -.2 | | 95 | 7.1 | -7.1 | .6 | 1000 |
| 750 | | 100 | 10.2 | -10.0 | 1.8 | | 101 | 8.4 | -8.2 | 1.6 | | 101 | 10.7 | -10.5 | 2.0 | | 112 | 6.0 | -5.6 | 2.2 | 750 |
| 500 | | 95 | 7.7 | -7.7 | .7 | | 113 | 6.3 | -5.7 | 2.5 | | 118 | 8.2 | -7.2 | 3.8 | | 122 | 6.9 | -5.8 | 3.6 | 500 |
| 250 | | 98 | 6.5 | -6.4 | .9 | | 115 | 5.6 | -5.1 | 2.4 | | 132 | 7.0 | -5.2 | 4.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 8 1725 GMT | | | | | 4/ 8 20 0 GMT | | | | | 4/ 8 2315 GMT | | | | | 4/ 9 130 GMT | | | | |
| 2500 | | 88 | 10.5 | -10.4 | -.3 | | 92 | 10.9 | -10.9 | .3 | | 91 | 8.7 | -8.7 | .2 | | 104 | 8.9 | -8.7 | 2.1 | 2500 |
| 2250 | | 84 | 8.2 | -8.1 | -.8 | | 79 | 10.7 | -10.6 | -2.0 | | 79 | 10.6 | -10.4 | -2.0 | | 94 | 8.6 | -8.6 | .5 | 2250 |
| 2000 | | 82 | 9.3 | -9.2 | -1.3 | | 73 | 10.9 | -10.5 | -3.1 | | 74 | 11.7 | -11.2 | -3.3 | | 86 | 8.1 | -8.1 | -.6 | 2000 |
| 1750 | | 77 | 11.5 | -11.2 | -2.7 | | 76 | 11.0 | -10.7 | -2.7 | | 78 | 11.5 | -11.2 | -2.4 | | 87 | 9.3 | -9.3 | -.5 | 1750 |
| 1500 | | 77 | 11.6 | -11.3 | -2.6 | | 79 | 10.8 | -10.6 | -2.0 | | 87 | 10.7 | -10.6 | -.5 | | 83 | 11.5 | -11.4 | -1.4 | 1500 |
| 1250 | | 90 | 11.1 | -11.1 | -.1 | | 86 | 11.0 | -10.9 | -.7 | | 96 | 10.6 | -10.6 | 1.1 | | 87 | 12.1 | -12.0 | -.7 | 1250 |
| 1000 | | 104 | 12.1 | -11.7 | 2.9 | | 102 | 11.7 | -11.5 | 2.4 | | 103 | 11.9 | -11.6 | 2.8 | | 100 | 10.8 | -10.7 | 1.9 | 1000 |
| 750 | | 110 | 11.9 | -11.2 | 4.1 | | 117 | 12.1 | -10.8 | 5.5 | | 113 | 12.4 | -11.4 | 4.9 | | 112 | 9.5 | -8.8 | 3.6 | 750 |
| 500 | | 118 | 9.8 | -8.7 | 4.5 | | 127 | 11.9 | -9.5 | 7.1 | | 127 | 9.9 | -7.9 | 6.0 | | 121 | 8.3 | -7.1 | 4.3 | 500 |
| 250 | | 129 | 8.2 | -6.4 | 5.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 148 | 7.8 | -4.2 | 6.6 | | 132 | 8.1 | -6.0 | 5.4 | 250 |
| | | 4/ 9 5 8 GMT | | | | | 4/ 9 12 4 GMT | | | | | 4/ 9 1734 GMT | | | | | 4/ 9 2332 GMT | | | | |
| 2500 | | 104 | 10.5 | -10.2 | 2.5 | | 87 | 10.7 | -10.7 | -.6 | | 112 | 12.4 | -11.5 | 4.6 | | 120 | 11.7 | -10.0 | 5.9 | 2500 |
| 2250 | | 101 | 10.4 | -10.2 | 2.0 | | 85 | 11.5 | -11.4 | -1.0 | | 105 | 12.0 | -11.6 | 3.2 | | 120 | 12.7 | -11.0 | 6.4 | 2250 |
| 2000 | | 93 | 8.4 | -8.4 | .5 | | 87 | 12.4 | -12.4 | -.7 | | 98 | 11.0 | -10.9 | 1.5 | | 118 | 10.6 | -9.4 | 4.9 | 2000 |
| 1750 | | 76 | 8.7 | -8.4 | -2.2 | | 86 | 12.6 | -12.6 | -.9 | | 102 | 11.4 | -11.1 | 2.3 | | 114 | 8.9 | -8.2 | 3.7 | 1750 |
| 1500 | | 73 | 10.8 | -10.3 | -3.2 | | 82 | 11.1 | -11.0 | -1.5 | | 109 | 12.1 | -11.4 | 4.0 | | 115 | 8.3 | -7.5 | 3.5 | 1500 |
| 1250 | | 85 | 11.3 | -11.3 | -1.0 | | 83 | 10.4 | -10.3 | -1.3 | | 112 | 11.9 | -11.1 | 4.4 | | 114 | 7.0 | -6.4 | 2.8 | 1250 |
| 1000 | | 99 | 10.4 | -10.3 | 1.6 | | 90 | 10.7 | -10.7 | -.0 | | 113 | 10.7 | -9.9 | 4.2 | | 107 | 5.9 | -5.7 | 1.7 | 1000 |
| 750 | | 107 | 9.1 | -8.7 | 2.6 | | 99 | 10.4 | -10.3 | 1.7 | | 121 | 9.2 | -7.9 | 4.7 | | 103 | 5.5 | -5.3 | 1.2 | 750 |
| 500 | | 115 | 7.8 | -7.1 | 3.3 | | 110 | 9.1 | -8.5 | 3.1 | | 129 | 8.0 | -6.2 | 5.0 | | 108 | 5.5 | -5.2 | 1.7 | 500 |
| 250 | | 126 | 6.8 | -5.5 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/10 614 GMT | | | | | 4/10 1135 GMT | | | | | 4/10 1745 GMT | | | | | 4/10 1956 GMT | | | | |
| 2500 | | 120 | 4.6 | -4.0 | 2.3 | | 146 | 3.7 | -2.0 | 3.0 | | 155 | 1.8 | -.7 | 1.6 | | 143 | 1.5 | -.9 | 1.2 | 2500 |
| 2250 | | 112 | 8.2 | -7.6 | 3.1 | | 130 | 7.1 | -5.4 | 4.5 | | 125 | 6.3 | -5.2 | 3.6 | | 120 | 5.0 | -4.4 | 2.5 | 2250 |
| 2000 | | 112 | 10.1 | -9.4 | 3.9 | | 122 | 8.1 | -6.9 | 4.3 | | 116 | 9.2 | -8.3 | 4.0 | | 118 | 9.8 | -8.6 | 4.6 | 2000 |
| 1750 | | 126 | 8.7 | -7.0 | 5.1 | | 127 | 7.8 | -6.2 | 4.7 | | 116 | 11.0 | -9.9 | 4.8 | | 121 | 12.5 | -10.7 | 6.4 | 1750 |
| 1500 | | 126 | 7.5 | -6.1 | 4.5 | | 133 | 8.1 | -5.9 | 5.5 | | 117 | 11.3 | -10.1 | 5.1 | | 121 | 11.6 | -10.0 | 6.0 | 1500 |
| 1250 | | 112 | 8.9 | -8.2 | 3.4 | | 120 | 7.6 | -6.5 | 3.8 | | 115 | 8.2 | -7.4 | 3.5 | | 116 | 9.0 | -8.1 | 3.9 | 1250 |
| 1000 | | 107 | 9.0 | -8.6 | 2.6 | | 108 | 6.2 | -5.9 | 1.9 | | 124 | 5.5 | -4.5 | 3.0 | | 113 | 7.6 | -7.0 | 2.9 | 1000 |
| 750 | | 114 | 6.5 | -5.9 | 2.6 | | 128 | 4.5 | -3.5 | 2.8 | | 131 | 5.1 | -3.9 | 3.4 | | 124 | 6.3 | -5.2 | 3.5 | 750 |
| 500 | | 136 | 4.6 | -3.2 | 3.3 | | 164 | 4.8 | -1.3 | 4.6 | | 131 | 4.8 | -3.6 | 3.2 | | 140 | 4.8 | -3.1 | 3.7 | 500 |
| 250 | | 152 | 4.0 | -1.9 | 3.6 | | 174 | 5.2 | -.5 | 5.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 136 | 4.3 | -3.0 | 3.1 | 250 |
| | | 4/10 23 5 GMT | | | | | 4/11 2 7 GMT | | | | | 4/11 512 GMT | | | | | 4/11 1137 GMT | | | | |
| 2500 | | 198 | 1.6 | .5 | 1.6 | | 263 | 1.0 | 1.0 | .1 | | 269 | .8 | .8 | .0 | | 215 | 1.8 | 1.0 | 1.5 | 2500 |
| 2250 | | 150 | 4.8 | -2.4 | 4.1 | | 142 | 3.4 | -2.1 | 2.7 | | 148 | 3.3 | -1.7 | 2.8 | 2 | 148 | 4.2 | -2.2 | 3.6 | 2250 |
| 2000 | | 138 | 7.6 | -5.0 | 5.6 | | 127 | 6.5 | -5.2 | 3.9 | | 133 | 6.8 | -5.0 | 4.6 | 2 | 130 | 8.1 | -6.2 | 5.2 | 2000 |
| 1750 | | 131 | 8.9 | -6.7 | 5.9 | | 119 | 9.7 | -8.5 | 4.7 | | 119 | 9.2 | -8.1 | 4.5 | | 123 | 12.6 | -10.6 | 6.9 | 1750 |
| 1500 | | 121 | 10.2 | -8.7 | 5.3 | | 111 | 10.5 | -9.8 | 3.7 | | 106 | 9.5 | -9.2 | 2.6 | | 121 | 14.0 | -12.0 | 7.3 | 1500 |
| 1250 | | 114 | 10.3 | -9.5 | 4.2 | | 102 | 9.6 | -9.4 | 1.9 | | 103 | 9.3 | -9.0 | 2.1 | | 123 | 12.7 | -10.6 | 7.0 | 1250 |
| 1000 | | 108 | 7.6 | -7.2 | 2.4 | | 104 | 9.0 | -8.7 | 2.2 | | 114 | 9.0 | -8.2 | 3.7 | | 125 | 11.6 | -9.5 | 6.6 | 1000 |
| 750 | | 106 | 6.2 | -5.9 | 1.7 | | 112 | 8.0 | -7.4 | 3.1 | | 121 | 7.1 | -6.1 | 3.7 | | 122 | 9.8 | -8.3 | 5.2 | 750 |
| 500 | | 111 | 6.3 | -5.9 | 2.3 | | 117 | 6.5 | -5.8 | 3.0 | | 114 | 4.4 | -4.0 | 1.8 | | 114 | 6.6 | -6.0 | 2.7 | 500 |
| 250 | | 118 | 4.8 | -4.2 | 2.2 | | 124 | 6.5 | -5.4 | 3.6 | | 112 | 4.6 | -4.3 | 1.7 | | 102 | 5.1 | -5.0 | 1.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/11 1738 GMT | | | | | 4/11 2010 GMT | | | | | 4/11 2238 GMT | | | | | 4/12 150 GMT | | | | |
| 2500 | | 310 | 2.7 | 2.0 | -1.7 | | 284 | 3.4 | 3.3 | -.8 | | 272 | 2.8 | 2.8 | -.1 | | 241 | 2.6 | 2.3 | 1.2 | 2500 |
| 2250 | | 151 | 1.0 | -.5 | .9 | | 152 | .8 | -.4 | .7 | | 147 | 1.8 | -.9 | 1.5 | | 156 | 4.0 | -1.6 | 3.7 | 2250 |
| 2000 | | 157 | 4.5 | -1.8 | 4.1 | | 144 | 4.6 | -2.7 | 3.7 | | 167 | 3.8 | -.8 | 3.7 | | 148 | 7.5 | -3.9 | 6.4 | 2000 |
| 1750 | | 132 | 8.6 | -6.4 | 5.8 | | 136 | 8.6 | -6.0 | 6.2 | | 148 | 7.9 | -4.2 | 6.7 | | 132 | 9.2 | -6.9 | 6.2 | 1750 |
| 1500 | | 120 | 13.9 | -12.1 | 6.8 | | 125 | 11.9 | -9.7 | 6.8 | | 124 | 14.0 | -11.6 | 7.8 | | 125 | 10.1 | -8.3 | 5.8 | 1500 |
| 1250 | | 120 | 13.9 | -12.1 | 6.9 | | 120 | 11.8 | -10.2 | 5.8 | | 122 | 14.5 | -12.3 | 7.6 | | 132 | 9.8 | -7.3 | 6.5 | 1250 |
| 1000 | | 121 | 10.6 | -9.1 | 5.4 | | 120 | 9.2 | -8.0 | 4.6 | | 140 | 10.7 | -6.9 | 8.2 | | 136 | 9.0 | -6.3 | 6.4 | 1000 |
| 750 | | 115 | 8.0 | -7.3 | 3.4 | | 120 | 7.1 | -6.2 | 3.6 | | 134 | 8.4 | -6.0 | 5.9 | | 131 | 7.3 | -5.5 | 4.8 | 750 |
| 500 | | 112 | 5.9 | -5.5 | 2.2 | | 113 | 5.6 | -5.1 | 2.2 | | 113 | 7.2 | -6.6 | 2.8 | | 129 | 4.8 | -3.7 | 3.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 114 | 3.2 | -2.9 | 1.3 | 250 |
| | | 4/12 5 4 GMT | | | | | 4/13 0 8 GMT | | | | | 4/13 6 0 GMT | | | | | 4/13 1240 GMT | | | | |
| 2500 | | 239 | 3.6 | 3.1 | 1.8 | | 203 | 3.0 | 1.2 | 2.8 | | 311 | 3.5 | 2.6 | -2.3 | | 246 | .2 | .2 | .1 | 2500 |
| 2250 | | 178 | 3.8 | -.2 | 3.8 | | 158 | 4.7 | -1.8 | 4.3 | | 296 | 2.1 | 1.9 | -.9 | | 151 | 3.0 | -1.4 | 2.6 | 2250 |
| 2000 | | 153 | 7.1 | -3.3 | 6.3 | | 131 | 7.5 | -5.7 | 4.9 | | 158 | 2.1 | -.8 | 2.0 | | 136 | 4.9 | -3.4 | 3.5 | 2000 |
| 1750 | | 137 | 9.0 | -6.1 | 6.7 | | 112 | 10.5 | -9.7 | 3.9 | 2 | 128 | 6.3 | -5.0 | 3.9 | | 120 | 8.7 | -7.5 | 4.3 | 1750 |
| 1500 | | 126 | 8.9 | -7.2 | 5.2 | | 103 | 11.8 | -11.5 | 2.6 | 2 | 116 | 9.1 | -8.2 | 3.9 | | 110 | 13.8 | -12.9 | 4.8 | 1500 |
| 1250 | | 121 | 7.7 | -6.6 | 4.0 | | 98 | 10.3 | -10.2 | 1.5 | | 112 | 10.4 | -9.6 | 3.9 | | 103 | 14.9 | -14.6 | 3.3 | 1250 |
| 1000 | | 120 | 6.9 | -6.0 | 3.5 | | 97 | 7.8 | -7.8 | .9 | | 109 | 11.7 | -11.1 | 3.8 | | 100 | 12.0 | -11.8 | 2.0 | 1000 |
| 750 | | 117 | 5.8 | -5.2 | 2.6 | | 104 | 7.7 | -7.5 | 1.9 | | 106 | 10.5 | -10.1 | 2.9 | | 104 | 9.2 | -8.9 | 2.2 | 750 |
| 500 | | 113 | 4.3 | -4.0 | 1.7 | | 104 | 9.5 | -9.2 | 2.3 | | 109 | 7.4 | -7.0 | 2.5 | | 111 | 7.9 | -7.4 | 2.8 | 500 |
| 250 | | 114 | 4.1 | -3.8 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 115 | 6.4 | -5.8 | 2.7 | 250 |
| | | 4/13 1757 GMT | | | | | 4/13 1950 GMT | | | | | 4/13 2310 GMT | | | | | 4/14 145 GMT | | | | |
| 2500 | | 107 | 2.7 | -2.6 | .8 | | 171 | .6 | -.1 | .6 | | 182 | 1.0 | .0 | 1.0 | | 189 | 1.0 | .2 | 1.0 | 2500 |
| 2250 | | 126 | 5.0 | -4.0 | 2.9 | | 127 | 3.8 | -3.1 | 2.3 | | 145 | 5.0 | -2.8 | 4.1 | | 141 | 5.5 | -3.5 | 4.3 | 2250 |
| 2000 | | 135 | 7.1 | -5.0 | 5.0 | | 133 | 6.7 | -4.9 | 4.6 | | 134 | 8.0 | -5.8 | 5.5 | | 131 | 9.5 | -7.2 | 6.2 | 2000 |
| 1750 | | 125 | 9.9 | -8.1 | 5.7 | | 127 | 9.4 | -7.5 | 5.6 | | 119 | 10.4 | -9.1 | 5.0 | | 121 | 10.3 | -8.8 | 5.3 | 1750 |
| 1500 | | 109 | 10.9 | -10.3 | 3.5 | | 115 | 11.0 | -10.0 | 4.7 | | 109 | 11.4 | -10.8 | 3.6 | | 114 | 10.4 | -9.5 | 4.2 | 1500 |
| 1250 | | 97 | 11.1 | -11.0 | 1.4 | | 107 | 11.2 | -10.7 | 3.3 | | 107 | 10.9 | -10.4 | 3.2 | | 112 | 11.1 | -10.2 | 4.2 | 1250 |
| 1000 | | 100 | 9.8 | -9.6 | 1.6 | | 108 | 10.5 | -10.0 | 3.2 | | 112 | 10.6 | -9.9 | 3.9 | | 113 | 10.8 | -9.9 | 4.2 | 1000 |
| 750 | | 105 | 8.3 | -8.0 | 2.1 | | 111 | 9.6 | -8.9 | 3.5 | | 113 | 10.3 | -9.5 | 4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 750 |
| 500 | | 110 | 7.7 | -7.2 | 2.7 | | 113 | 8.1 | -7.4 | 3.2 | | 112 | 9.3 | -8.6 | 3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 500 |
| 250 | | 125 | 7.0 | -5.7 | 4.0 | | 119 | 6.3 | -5.5 | 3.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/14 515 GMT | | | | | 4/14 1147 GMT | | | | | 4/14 1756 GMT | | | | | 4/15 014 GMT | | | | |
| 2500 | | 322 | 2.7 | 1.7 | -2.1 | | 129 | 1.8 | -1.4 | 1.1 | | 345 | 1.8 | .5 | -1.7 | | 23 | 1.2 | -.5 | -1.1 | 2500 |
| 2250 | | 122 | .7 | -.6 | .4 | | 140 | 5.4 | -3.5 | 4.2 | | 128 | 2.2 | -1.7 | 1.3 | | 126 | 2.2 | -1.7 | 1.3 | 2250 |
| 2000 | | 119 | 6.1 | -5.3 | 2.9 | | 141 | 7.6 | -4.8 | 5.9 | | 136 | 6.0 | -4.2 | 4.3 | | 144 | 3.8 | -2.2 | 3.1 | 2000 |
| 1750 | 2 | 111 | 10.2 | -9.5 | 3.7 | | 125 | 8.5 | -7.0 | 4.9 | | 122 | 10.2 | -8.6 | 5.5 | | 131 | 6.4 | -4.9 | 4.2 | 1750 |
| 1500 | 2 | 108 | 10.8 | -10.2 | 3.4 | | 109 | 9.6 | -9.0 | 3.2 | | 112 | 11.7 | -10.9 | 4.4 | | 121 | 9.4 | -8.1 | 4.9 | 1500 |
| 1250 | | 111 | 11.0 | -10.2 | 4.0 | | 109 | 11.3 | -10.7 | 3.7 | | 107 | 9.7 | -9.2 | 2.9 | | 118 | 10.4 | -9.2 | 4.9 | 1250 |
| 1000 | | 116 | 11.8 | -10.6 | 5.1 | | 111 | 12.3 | -11.5 | 4.4 | | 111 | 9.4 | -8.8 | 3.4 | | 116 | 10.9 | -9.8 | 4.8 | 1000 |
| 750 | | 119 | 10.5 | -9.2 | 5.1 | | 111 | 11.5 | -10.8 | 4.1 | | 117 | 9.8 | -8.7 | 4.4 | | 114 | 10.0 | -9.2 | 4.1 | 750 |
| 500 | | 123 | 7.7 | -6.5 | 4.3 | | 110 | 8.8 | -8.2 | 3.1 | | 123 | 7.9 | -6.6 | 4.4 | | 111 | 7.7 | -7.2 | 2.8 | 500 |
| 250 | | 119 | 6.7 | -5.9 | 3.3 | | 112 | 6.1 | -5.7 | 2.3 | | 127 | 8.2 | -6.5 | 4.9 | | 112 | 7.0 | -6.5 | 2.6 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/15 555 GMT | | | | | 4/15 1256 GMT | | | | | 4/15 1727 GMT | | | | | 4/15 2038 GMT | | | | |
| 2500 | | 102 | 1.4 | -1.4 | .3 | | 157 | 3.6 | -1.4 | 3.3 | | 146 | 3.9 | -2.2 | 3.3 | | 164 | 2.5 | -.7 | 2.4 | 2500 |
| 2250 | | 135 | 2.9 | -2.1 | 2.1 | | 153 | 5.7 | -2.6 | 5.0 | | 145 | 6.2 | -3.6 | 5.1 | | 161 | 4.8 | -1.6 | 4.5 | 2250 |
| 2000 | | 135 | 5.4 | -3.9 | 3.8 | | 143 | 8.0 | -4.8 | 6.4 | | 145 | 7.4 | -4.2 | 6.1 | | 144 | 7.7 | -4.5 | 6.3 | 2000 |
| 1750 | | 126 | 8.4 | -6.8 | 5.0 | | 130 | 10.1 | -7.7 | 6.5 | | 143 | 7.9 | -4.8 | 6.3 | | 129 | 10.2 | -8.0 | 6.4 | 1750 |
| 1500 | | 119 | 9.4 | -8.3 | 4.6 | | 121 | 11.5 | -9.9 | 5.9 | | 134 | 9.2 | -6.7 | 6.4 | | 119 | 10.9 | -9.6 | 5.3 | 1500 |
| 1250 | | 116 | 8.3 | -7.4 | 3.6 | | 116 | 11.7 | -10.5 | 5.1 | | 120 | 10.6 | -9.1 | 5.3 | | 117 | 10.5 | -9.3 | 4.8 | 1250 |
| 1000 | | 121 | 7.8 | -6.7 | 4.0 | | 112 | 10.0 | -9.3 | 3.8 | | 108 | 10.6 | -10.1 | 3.2 | | 114 | 9.8 | -8.9 | 4.0 | 1000 |
| 750 | | 122 | 8.3 | -7.0 | 4.4 | | 110 | 7.9 | -7.4 | 2.7 | | 106 | 9.5 | -9.1 | 2.6 | | 107 | 8.6 | -8.2 | 2.5 | 750 |
| 500 | | 116 | 7.5 | -6.7 | 3.3 | | 114 | 6.4 | -5.8 | 2.6 | | 113 | 7.0 | -6.4 | 2.8 | | 107 | 6.5 | -6.2 | 1.9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 124 | 4.9 | -4.1 | 2.7 | 250 |
| | | 4/15 23 4 GMT | | | | | 4/16 210 GMT | | | | | 4/16 525 GMT | | | | | 4/16 1155 GMT | | | | |
| 2500 | | 186 | 2.1 | .2 | 2.1 | | 220 | 2.4 | 1.6 | 1.8 | | 192 | 2.1 | .4 | 2.1 | | 183 | 3.8 | .2 | 3.8 | 2500 |
| 2250 | | 159 | 4.5 | -1.6 | 4.2 | | 186 | 3.9 | .4 | 3.9 | | 193 | 2.5 | .6 | 2.5 | | 212 | 3.0 | 1.6 | 2.6 | 2250 |
| 2000 | | 144 | 7.9 | -4.6 | 6.4 | | 163 | 6.5 | -1.9 | 6.2 | | 180 | 4.4 | -.0 | 4.4 | | 203 | 4.5 | 1.7 | 4.2 | 2000 |
| 1750 | | 136 | 9.9 | -6.9 | 7.2 | | 150 | 8.1 | -4.1 | 7.1 | | 167 | 6.6 | -1.5 | 6.4 | | 176 | 6.2 | -.4 | 6.2 | 1750 |
| 1500 | 3 | 128 | 9.6 | -7.5 | 6.0 | | 134 | 8.6 | -6.1 | 6.0 | | 144 | 8.2 | -4.8 | 6.7 | | 148 | 7.7 | -4.1 | 6.5 | 1500 |
| 1250 | | 118 | 8.6 | -7.6 | 4.1 | | 120 | 7.8 | -6.8 | 3.9 | | 123 | 9.3 | -7.8 | 5.1 | | 128 | 9.1 | -7.2 | 5.6 | 1250 |
| 1000 | | 109 | 8.7 | -8.2 | 2.9 | | 113 | 6.7 | -6.2 | 2.6 | | 113 | 8.5 | -7.8 | 3.4 | | 122 | 9.0 | -7.6 | 4.8 | 1000 |
| 750 | | 107 | 7.9 | -7.5 | 2.3 | | 111 | 6.3 | -5.8 | 2.3 | | 116 | 6.6 | -5.9 | 2.9 | | 124 | 7.6 | -6.3 | 4.2 | 750 |
| 500 | | 111 | 5.7 | -5.3 | 2.0 | | 113 | 5.1 | -4.7 | 2.0 | | 121 | 5.1 | -4.3 | 2.6 | | 129 | 6.0 | -4.7 | 3.8 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 136 | 4.8 | -3.4 | 3.4 | 250 |
| | | 4/16 19 0 GMT | | | | | 4/16 2327 GMT | | | | | 4/17 6 2 GMT | | | | | 4/17 1239 GMT | | | | |
| 2500 | | 189 | 4.9 | .7 | 4.8 | | 171 | 5.6 | -.9 | 5.6 | | 164 | 4.3 | -1.2 | 4.1 | | 150 | 3.0 | -1.5 | 2.6 | 2500 |
| 2250 | | 196 | 5.2 | 1.4 | 5.0 | | 181 | 4.9 | .1 | 4.9 | | 177 | 3.8 | -.2 | 3.8 | | 137 | 3.2 | -2.2 | 2.3 | 2250 |
| 2000 | | 174 | 6.5 | -.7 | 6.5 | | 162 | 5.8 | -1.7 | 5.5 | | 160 | 3.7 | -1.3 | 3.5 | | 126 | 4.7 | -3.8 | 2.8 | 2000 |
| 1750 | | 149 | 7.9 | -4.0 | 6.8 | | 140 | 6.6 | -4.2 | 5.1 | | 127 | 4.4 | -3.6 | 2.7 | | 113 | 5.7 | -5.2 | 2.3 | 1750 |
| 1500 | | 131 | 8.5 | -6.4 | 5.6 | | 127 | 6.5 | -5.2 | 3.9 | | 106 | 5.8 | -5.5 | 1.6 | | 97 | 5.8 | -5.8 | .7 | 1500 |
| 1250 | | 125 | 8.7 | -7.1 | 5.0 | | 122 | 6.1 | -5.1 | 3.3 | | 95 | 5.7 | -5.7 | .5 | | 95 | 5.9 | -5.9 | .5 | 1250 |
| 1000 | | 126 | 8.5 | -6.8 | 5.0 | | 126 | 5.0 | -4.1 | 2.9 | | 93 | 4.6 | -4.6 | .3 | | 103 | 5.6 | -5.5 | 1.3 | 1000 |
| 750 | | 127 | 7.4 | -5.9 | 4.5 | | 133 | 4.2 | -3.1 | 2.9 | | 102 | 3.7 | -3.6 | .8 | | 108 | 4.9 | -4.6 | 1.5 | 750 |
| 500 | | 129 | 5.8 | -4.5 | 3.7 | | 136 | 4.0 | -2.7 | 2.9 | | 104 | 3.1 | -3.0 | .7 | | 113 | 4.2 | -3.8 | 1.7 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 128 | 3.1 | -2.4 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/17 1715 GMT | | | | | 4/17 1945 GMT | | | | | 4/17 23 0 GMT | | | | | 4/18 145 GMT | | | | |
| 2500 | | 126 | 3.7 | -3.0 | 2.2 | | 127 | 3.6 | -2.9 | 2.2 | | 139 | 3.4 | -2.3 | 2.6 | | 136 | 3.8 | -2.6 | 2.7 | 2500 |
| 2250 | | 110 | 3.1 | -2.9 | 1.1 | | 103 | 3.7 | -3.6 | .8 | | 119 | 2.6 | -2.3 | 1.2 | | 112 | 3.5 | -3.2 | 1.3 | 2250 |
| 2000 | | 108 | 4.1 | -3.9 | 1.2 | | 103 | 5.5 | -5.3 | 1.2 | | 105 | 3.6 | -3.5 | .9 | | 86 | 3.9 | -3.9 | -.3 | 2000 |
| 1750 | | 104 | 5.7 | -5.6 | 1.4 | | 109 | 6.6 | -6.2 | 2.2 | | 90 | 5.6 | -5.6 | .0 | | 73 | 4.4 | -4.2 | -1.3 | 1750 |
| 1500 | | 97 | 6.0 | -5.9 | .8 | | 103 | 6.3 | -6.2 | 1.4 | | 77 | 6.8 | -6.7 | -1.5 | | 68 | 5.6 | -5.2 | -2.1 | 1500 |
| 1250 | | 90 | 5.7 | -5.7 | -.0 | | 83 | 6.3 | -6.2 | -.8 | | 64 | 6.5 | -5.9 | -2.8 | | 64 | 6.8 | -6.1 | -2.9 | 1250 |
| 1000 | | 84 | 5.5 | -5.5 | -.6 | | 79 | 6.7 | -6.6 | -1.3 | | 60 | 5.7 | -4.9 | -2.8 | | 64 | 6.8 | -6.1 | -3.0 | 1000 |
| 750 | | 83 | 5.1 | -5.1 | -.7 | | 82 | 3.9 | -3.8 | -.5 | | 72 | 4.9 | -4.7 | -1.5 | | 70 | 5.5 | -5.1 | -1.9 | 750 |
| 500 | | 88 | 4.6 | -4.6 | -.1 | | 88 | 1.7 | -1.7 | -.0 | | 87 | 4.2 | -4.2 | -.2 | | 86 | 4.3 | -4.3 | -.3 | 500 |
| 250 | | 105 | 3.6 | -3.5 | .9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 98 | 5.2 | -5.2 | .7 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/18 5 0 GMT | | | | | 4/18 1159 GMT | | | | | 4/18 1810 GMT | | | | | 4/18 2357 GMT | | | | |
| 2500 | | 107 | 4.6 | -4.4 | 1.3 | | 82 | 5.4 | -5.3 | -.7 | | 81 | 7.2 | -7.2 | -1.1 | | 77 | 9.1 | -8.8 | -2.1 | 2500 |
| 2250 | | 93 | 4.2 | -4.2 | .2 | | 71 | 5.8 | -5.5 | -1.9 | | 78 | 7.5 | -7.4 | -1.6 | | 72 | 10.0 | -9.5 | -3.1 | 2250 |
| 2000 | | 77 | 5.4 | -5.3 | -1.2 | | 61 | 6.0 | -5.3 | -2.9 | | 74 | 7.2 | -6.9 | -1.9 | | 66 | 10.1 | -9.2 | -4.0 | 2000 |
| 1750 | | 61 | 6.6 | -5.8 | -3.2 | | 59 | 5.8 | -4.9 | -3.0 | | 62 | 7.3 | -6.4 | -3.4 | | 60 | 9.6 | -8.4 | -4.7 | 1750 |
| 1500 | | 52 | 7.4 | -5.8 | -4.5 | | 63 | 6.6 | -5.9 | -2.9 | | 53 | 8.0 | -6.4 | -4.8 | | 54 | 9.4 | -7.6 | -5.5 | 1500 |
| 1250 | | 52 | 7.7 | -6.1 | -4.8 | | 68 | 8.4 | -7.8 | -3.2 | | 58 | 8.5 | -7.2 | -4.5 | | 49 | 9.7 | -7.3 | -6.3 | 1250 |
| 1000 | | 58 | 7.6 | -6.4 | -4.1 | | 69 | 9.5 | -8.8 | -3.4 | | 68 | 8.7 | -8.1 | -3.2 | | 48 | 9.4 | -7.0 | -6.3 | 1000 |
| 750 | | 66 | 6.6 | -6.0 | -2.6 | | 70 | 8.4 | -7.9 | -2.9 | | 77 | 8.4 | -8.2 | -1.9 | | 53 | 9.0 | -7.2 | -5.4 | 750 |
| 500 | | 76 | 5.8 | -5.7 | -1.5 | | 74 | 6.5 | -6.3 | -1.8 | | 83 | 7.9 | -7.9 | -1.0 | | 62 | 8.3 | -7.3 | -3.9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 5.1 | -5.1 | -.1 | | 86 | 7.8 | -7.8 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/19 556 GMT | | | | | 4/19 1239 GMT | | | | | 4/19 1725 GMT | | | | | 4/19 1950 GMT | | | | |
| 2500 | | 60 | 10.9 | -9.5 | -5.4 | | 76 | 10.2 | -9.9 | -2.4 | | 85 | 11.7 | -11.7 | -.9 | | 90 | 11.7 | -11.7 | .0 | 2500 |
| 2250 | | 57 | 11.2 | -9.4 | -6.1 | | 78 | 11.5 | -11.2 | -2.4 | | 89 | 11.7 | -11.7 | -.3 | | 100 | 11.4 | -11.2 | 1.9 | 2250 |
| 2000 | | 55 | 11.5 | -9.4 | -6.6 | | 82 | 11.8 | -11.6 | -1.7 | | 89 | 11.6 | -11.6 | -.2 | | 112 | 12.3 | -11.3 | 4.7 | 2000 |
| 1750 | | 52 | 11.9 | -9.4 | -7.2 | | 82 | 11.0 | -10.9 | -1.5 | | 86 | 11.8 | -11.8 | -.8 | | 104 | 11.2 | -10.9 | 2.8 | 1750 |
| 1500 | | 52 | 12.1 | -9.5 | -7.5 | | 74 | 10.7 | -10.3 | -2.9 | | 83 | 12.2 | -12.1 | -1.4 | | 79 | 10.8 | -10.6 | -2.1 | 1500 |
| 1250 | | 55 | 11.7 | -9.6 | -6.6 | | 68 | 11.2 | -10.4 | -4.1 | | 84 | 12.2 | -12.2 | -1.3 | | 72 | 11.8 | -11.2 | -3.6 | 1250 |
| 1000 | | 60 | 10.6 | -9.2 | -5.3 | | 73 | 11.0 | -10.5 | -3.2 | | 88 | 11.0 | -11.0 | -.4 | | 86 | 12.1 | -12.0 | -.9 | 1000 |
| 750 | | 65 | 9.1 | -8.2 | -3.8 | | 85 | 9.7 | -9.7 | -.9 | | 96 | 8.6 | -8.6 | .9 | | 99 | 12.2 | -12.0 | 2.0 | 750 |
| 500 | | 78 | 8.5 | -8.4 | -1.8 | | 92 | 8.5 | -8.5 | .3 | | 103 | 7.3 | -7.1 | 1.6 | | 109 | 11.6 | -10.9 | 3.8 | 500 |
| 250 | | 89 | 9.4 | -9.4 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 9.2 | -8.7 | 3.1 | 250 |
| | | 4/19 2330 GMT | | | | | 4/20 2 0 GMT | | | | | 4/20 527 GMT | | | | | 4/20 1216 GMT | | | | |
| 2500 | | 67 | 7.3 | -6.7 | -2.8 | | 90 | 8.9 | -8.9 | .0 | | 88 | 9.3 | -9.3 | -.3 | | 96 | 8.4 | -8.4 | .9 | 2500 |
| 2250 | | 95 | 10.6 | -10.6 | .8 | | 93 | 9.4 | -9.4 | .4 | | 95 | 9.5 | -9.5 | .8 | | 108 | 9.1 | -8.6 | 2.8 | 2250 |
| 2000 | | 105 | 12.8 | -12.3 | 3.4 | | 94 | 9.5 | -9.5 | .6 | | 98 | 10.9 | -10.7 | 1.6 | | 119 | 9.8 | -8.6 | 4.7 | 2000 |
| 1750 | | 96 | 9.7 | -9.6 | 1.0 | | 93 | 9.6 | -9.6 | .5 | | 97 | 12.1 | -12.0 | 1.5 | | 119 | 10.0 | -8.8 | 4.9 | 1750 |
| 1500 | | 83 | 8.8 | -8.8 | -1.1 | | 92 | 9.9 | -9.9 | .4 | | 96 | 12.5 | -12.5 | 1.4 | | 113 | 10.1 | -9.3 | 3.9 | 1500 |
| 1250 | | 95 | 9.8 | -9.8 | .9 | | 95 | 11.0 | -11.0 | .9 | | 102 | 12.1 | -11.8 | 2.5 | | 110 | 10.8 | -10.2 | 3.7 | 1250 |
| 1000 | | 106 | 10.5 | -10.1 | 2.9 | | 100 | 12.0 | -11.8 | 2.1 | | 113 | 10.7 | -9.8 | 4.2 | | 110 | 11.2 | -10.5 | 3.8 | 1000 |
| 750 | | 109 | 11.3 | -10.7 | 3.6 | | 105 | 11.1 | -10.7 | 2.9 | | 119 | 8.8 | -7.7 | 4.3 | | 111 | 9.8 | -9.1 | 3.5 | 750 |
| 500 | | 113 | 11.3 | -10.3 | 4.4 | | 108 | 9.7 | -9.3 | 2.9 | | 116 | 7.4 | -6.7 | 3.3 | | 115 | 7.9 | -7.2 | 3.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/20 18 2 GMT | | | | | 4/20 2355 GMT | | | | | 4/21 515 GMT | | | | | 4/21 1312 GMT | | | | |
| 2500 | | 102 | 8.7 | -8.5 | 1.8 | | 115 | 6.5 | -5.9 | 2.7 | | 97 | 5.9 | -5.9 | .8 | | 62 | 6.4 | -5.6 | -3.0 | 2500 |
| 2250 | | 110 | 8.5 | -8.0 | 2.9 | | 121 | 6.9 | -5.9 | 3.5 | | 100 | 6.3 | -6.2 | 1.1 | | 88 | 5.4 | -5.4 | -.2 | 2250 |
| 2000 | | 119 | 9.0 | -7.9 | 4.3 | | 114 | 7.7 | -7.0 | 3.2 | | 100 | 7.2 | -7.1 | 1.3 | | 123 | 6.1 | -5.2 | 3.3 | 2000 |
| 1750 | | 111 | 10.7 | -10.0 | 3.9 | | 99 | 8.1 | -8.0 | 1.2 | | 89 | 8.5 | -8.5 | -.2 | | 107 | 6.0 | -5.8 | 1.7 | 1750 |
| 1500 | | 99 | 11.1 | -11.0 | 1.8 | | 90 | 8.0 | -8.0 | -.0 | | 78 | 9.7 | -9.4 | -2.1 | | 72 | 6.0 | -5.7 | -1.8 | 1500 |
| 1250 | | 99 | 9.2 | -9.1 | 1.4 | | 91 | 7.0 | -7.0 | .2 | | 74 | 9.7 | -9.3 | -2.7 | | 62 | 5.0 | -4.4 | -2.4 | 1250 |
| 1000 | | 107 | 8.3 | -7.9 | 2.5 | | 93 | 5.3 | -5.3 | .3 | | 76 | 9.1 | -8.8 | -2.3 | | 71 | 4.3 | -4.1 | -1.4 | 1000 |
| 750 | | 110 | 8.4 | -7.9 | 2.9 | | 95 | 4.5 | -4.5 | .4 | | 81 | 8.7 | -8.6 | -1.3 | | 93 | 4.7 | -4.7 | .2 | 750 |
| 500 | | 113 | 8.4 | -7.7 | 3.2 | | 102 | 4.8 | -4.7 | 1.0 | | 88 | 7.8 | -7.8 | -.3 | | 109 | 4.9 | -4.7 | 1.6 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 5.8 | -5.8 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — FANNING ISLAND

| | 4/21 1725 GMT | | | | | 4/21 1955 GMT | | | | | 4/21 2325 GMT | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
| 2500 | | 90 | 5.5 | -5.5 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 84 | 5.3 | -5.3 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2500 |
| 2250 | | 101 | 4.0 | -3.9 | .8 | | 80 | 5.8 | -5.8 | -1.0 | | 77 | 4.6 | -4.5 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2250 |
| 2000 | | 90 | 4.2 | -4.2 | -.0 | | 78 | 4.6 | -4.5 | -1.0 | | 63 | 4.7 | -4.2 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2000 |
| 1750 | | 69 | 5.6 | -5.2 | -2.0 | | 66 | 4.4 | -4.0 | -1.8 | | 45 | 5.1 | -3.6 | -3.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1750 |
| 1500 | | 60 | 6.2 | -5.4 | -3.2 | | 49 | 5.1 | -3.9 | -3.3 | | 30 | 4.7 | -2.4 | -4.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1500 |
| 1250 | | 61 | 5.6 | -4.9 | -2.7 | | 48 | 5.1 | -3.8 | -3.5 | | 29 | 3.7 | -1.8 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1250 |
| 1000 | | 75 | 4.8 | -4.6 | -1.3 | | 69 | 3.9 | -3.6 | -1.4 | | 53 | 3.0 | -2.4 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1000 |
| 750 | | 100 | 4.3 | -4.3 | .8 | | 97 | 3.5 | -3.5 | .4 | | 77 | 2.6 | -2.6 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 750 |
| 500 | | 121 | 4.3 | -3.7 | 2.3 | | 107 | 3.0 | -2.9 | .9 | | 96 | 2.0 | -1.9 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 123 | 2.3 | -1.9 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/ 5 7 5 GMT | | | | | 3/ 5 1210 GMT | | | | | 3/ 5 1830 GMT | | | | | 3/ 6 0 8 GMT | | | | |
| 2500 | 2 | 111 | 8.6 | -8.0 | 3.1 | 2 | 107 | 10.7 | -10.2 | 3.1 | | | | | | 0 | 88 | 8.9 | -8.9 | -.3 | 2500 |
| 2250 | 2 | 97 | 10.5 | -10.5 | 1.2 | 2 | 95 | 13.7 | -13.7 | 1.2 | | | | | | 0 | 86 | 10.6 | -10.6 | -.8 | 2250 |
| 2000 | 2 | 82 | 12.2 | -12.1 | -1.7 | 2 | 83 | 14.8 | -14.7 | -1.8 | | | | | | 0 | 85 | 12.3 | -12.2 | -1.0 | 2000 |
| 1750 | 2 | 73 | 13.9 | -13.3 | -3.9 | 2 | 69 | 14.4 | -13.4 | -5.3 | | | | | | 0 | 85 | 13.6 | -13.5 | -1.1 | 1750 |
| 1500 | 2 | 69 | 15.1 | -14.1 | -5.4 | | 56 | 14.1 | -11.7 | -7.8 | | | | | | 0 | 86 | 14.1 | -14.0 | -1.1 | 1500 |
| 1250 | | 69 | 14.3 | -13.3 | -5.2 | | 53 | 13.2 | -10.6 | -7.9 | 2 | 70 | 11.7 | -11.0 | -4.0 | | 86 | 13.8 | -13.8 | -1.0 | 1250 |
| 1000 | | 71 | 12.6 | -11.9 | -4.1 | | 59 | 12.6 | -10.8 | -6.4 | | 74 | 12.3 | -11.9 | -3.3 | | 85 | 12.8 | -12.7 | -1.2 | 1000 |
| 750 | | 70 | 12.4 | -11.7 | -4.2 | | 70 | 13.3 | -12.5 | -4.4 | | 88 | 12.2 | -12.2 | -.4 | | 82 | 11.1 | -11.0 | -1.6 | 750 |
| 500 | | 73 | 11.5 | -11.0 | -3.3 | | 81 | 13.9 | -13.8 | -2.1 | | 95 | 11.9 | -11.9 | 1.0 | | 82 | 9.2 | -9.1 | -1.2 | 500 |
| 250 | | 81 | 9.0 | -8.9 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 9.5 | -9.2 | 2.1 | | 93 | 7.4 | -7.4 | .4 | 250 |
| | | 3/ 6 1240 GMT | | | | | 3/ 6 18 5 GMT | | | | | 3/ 7 0 0 GMT | | | | | 3/ 7 655 GMT | | | | |
| 2500 | 2 | 97 | 5.1 | -5.0 | .6 | 2 | 114 | 6.2 | -5.6 | 2.6 | 2 | 128 | 4.4 | -3.5 | 2.7 | 2 | 107 | 5.5 | -5.2 | 1.6 | 2500 |
| 2250 | 2 | 87 | 7.2 | -7.2 | -.4 | 2 | 95 | 10.0 | -10.0 | .9 | 2 | 101 | 6.9 | -6.8 | 1.3 | 2 | 90 | 6.6 | -6.6 | -.0 | 2250 |
| 2000 | 2 | 77 | 10.4 | -10.1 | -2.3 | 2 | 85 | 13.9 | -13.8 | -1.1 | 2 | 90 | 10.2 | -10.2 | -.0 | 2 | 80 | 9.3 | -9.2 | -1.6 | 2000 |
| 1750 | 2 | 85 | 14.5 | -14.4 | -1.4 | 2 | 83 | 15.6 | -15.5 | -1.8 | 2 | 80 | 12.1 | -11.9 | -2.0 | 2 | 81 | 12.4 | -12.3 | -2.0 | 1750 |
| 1500 | 2 | 91 | 17.4 | -17.4 | .3 | 2 | 84 | 15.9 | -15.8 | -1.6 | | 72 | 12.5 | -11.9 | -3.8 | | 80 | 14.3 | -14.0 | -2.5 | 1500 |
| 1250 | | 91 | 14.8 | -14.8 | .3 | | 84 | 15.4 | -15.3 | -1.5 | | 72 | 12.1 | -11.5 | -3.7 | | 73 | 13.7 | -13.1 | -3.9 | 1250 |
| 1000 | | 90 | 11.4 | -11.4 | .1 | | 84 | 14.3 | -14.3 | -1.4 | | 78 | 12.0 | -11.7 | -2.4 | | 67 | 12.6 | -11.6 | -4.9 | 1000 |
| 750 | | 86 | 9.8 | -9.8 | -.6 | | 85 | 13.6 | -13.5 | -1.1 | | 82 | 11.4 | -11.3 | -1.5 | | 68 | 12.0 | -11.1 | -4.5 | 750 |
| 500 | | 79 | 8.7 | -8.6 | -1.6 | | 85 | 12.5 | -12.5 | -1.1 | | 84 | 9.5 | -9.4 | -1.0 | | 74 | 10.7 | -10.3 | -3.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/ 7 935 GMT | | | | | 3/ 7 1220 GMT | | | | | 3/ 7 2015 GMT | | | | | 3/ 8 125 GMT | | | | |
| 2500 | 2 | 92 | 5.6 | -5.6 | .2 | 2 | 80 | 5.0 | -4.9 | -.9 | 2 | 76 | 7.6 | -7.3 | -1.9 | 2 | 79 | 8.2 | -8.0 | -1.6 | 2500 |
| 2250 | 2 | 72 | 8.1 | -7.7 | -2.5 | 2 | 67 | 8.4 | -7.7 | -3.2 | 2 | 66 | 10.2 | -9.3 | -4.2 | 2 | 72 | 9.7 | -9.3 | -3.0 | 2250 |
| 2000 | 2 | 75 | 10.8 | -10.5 | -2.8 | 2 | 71 | 12.4 | -11.7 | -4.1 | 2 | 66 | 13.4 | -12.3 | -5.4 | 2 | 74 | 11.9 | -11.4 | -3.4 | 2000 |
| 1750 | 2 | 85 | 12.8 | -12.8 | -1.2 | 2 | 77 | 14.7 | -14.3 | -3.3 | 2 | 76 | 15.0 | -14.5 | -3.7 | 2 | 76 | 14.3 | -13.9 | -3.4 | 1750 |
| 1500 | 2 | 88 | 14.1 | -14.0 | -.4 | | 81 | 14.5 | -14.4 | -2.2 | 2 | 84 | 16.7 | -16.7 | -1.7 | 2 | 77 | 15.4 | -15.0 | -3.4 | 1500 |
| 1250 | | 85 | 13.8 | -13.8 | -1.3 | | 82 | 13.6 | -13.5 | -2.0 | | 83 | 17.6 | -17.5 | -2.0 | | 78 | 14.1 | -13.8 | -2.9 | 1250 |
| 1000 | | 79 | 13.1 | -12.8 | -2.6 | | 80 | 13.7 | -13.5 | -2.3 | | 79 | 16.7 | -16.4 | -3.1 | | 77 | 12.5 | -12.1 | -2.9 | 1000 |
| 750 | | 73 | 12.3 | -11.8 | -3.6 | | 78 | 13.5 | -13.2 | -2.7 | | 79 | 13.7 | -13.4 | -2.7 | | 74 | 12.0 | -11.6 | -3.3 | 750 |
| 500 | | 69 | 11.1 | -10.3 | -4.1 | | 75 | 11.8 | -11.4 | -3.1 | | 81 | 10.5 | -10.3 | -1.5 | | 77 | 11.2 | -10.9 | -2.6 | 500 |
| 250 | | 70 | 9.8 | -9.2 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 9.8 | -9.8 | -.7 | | 83 | 8.7 | -8.6 | -1.0 | 250 |
| | | 3/ 8 710 GMT | | | | | 3/ 8 1230 GMT | | | | | 3/ 8 1525 GMT | | | | | 3/ 8 18 0 GMT | | | | |
| 2500 | 2 | 87 | 8.0 | -8.0 | -.4 | 2 | 77 | 9.2 | -9.0 | -2.0 | 2 | 76 | 9.1 | -8.9 | -2.3 | 2 | 72 | 10.4 | -9.9 | -3.2 | 2500 |
| 2250 | 2 | 71 | 9.0 | -8.5 | -2.9 | 2 | 68 | 10.9 | -10.1 | -4.2 | 2 | 70 | 12.8 | -12.1 | -4.3 | 2 | 73 | 12.2 | -11.7 | -3.5 | 2250 |
| 2000 | 2 | 64 | 11.7 | -10.6 | -5.2 | 2 | 69 | 13.3 | -12.4 | -4.7 | 2 | 72 | 13.3 | -12.6 | -4.1 | 2 | 80 | 13.1 | -12.9 | -2.2 | 2000 |
| 1750 | 3 | 67 | 14.7 | -13.5 | -5.7 | 2 | 76 | 15.9 | -15.5 | -3.8 | 2 | 75 | 12.4 | -12.0 | -3.3 | 2 | 85 | 14.2 | -14.2 | -1.2 | 1750 |
| 1500 | 3 | 71 | 17.3 | -16.3 | -5.7 | | 79 | 17.7 | -17.4 | -3.3 | 2 | 75 | 14.7 | -14.2 | -3.8 | | 87 | 15.1 | -15.0 | -.9 | 1500 |
| 1250 | 2 | 72 | 19.0 | -18.1 | -5.8 | | 79 | 17.5 | -17.2 | -3.3 | 2 | 79 | 16.5 | -16.2 | -3.1 | | 87 | 15.3 | -15.3 | -.8 | 1250 |
| 1000 | 0 | 73 | 18.7 | -17.9 | -5.3 | | 79 | 16.0 | -15.7 | -3.1 | | 81 | 15.2 | -15.0 | -2.4 | | 85 | 15.1 | -15.1 | -1.2 | 1000 |
| 750 | 0 | 75 | 16.6 | -16.1 | -4.2 | | 78 | 14.3 | -14.0 | -2.9 | | 80 | 14.7 | -14.4 | -2.5 | | 81 | 14.7 | -14.5 | -2.2 | 750 |
| 500 | 0 | 78 | 13.8 | -13.5 | -3.0 | | 77 | 12.9 | -12.5 | -3.0 | | 79 | 16.0 | -15.7 | -3.0 | | 78 | 13.5 | -13.2 | -2.8 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 77 | 11.0 | -10.7 | -2.5 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | 3/ 8 2127 GMT DD | FF | U | V | I | 3/ 9 0 5 GMT DD | FF | U | V | I | 3/ 9 3 0 GMT DD | FF | U | V | I | 3/ 9 623 GMT DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2500 | | 70 | 13.3 | -12.5 | -4.5 | 2 | 74 | 9.0 | -8.7 | -2.5 | 2 | 68 | 7.2 | -6.7 | -2.7 | 2 | 60 | 11.4 | -9.9 | -5.7 | 2500 |
| 2250 | | 69 | 15.4 | -14.3 | -5.6 | 2 | 67 | 12.4 | -11.4 | -4.9 | 2 | 69 | 9.7 | -9.0 | -3.5 | 2 | 66 | 14.2 | -12.9 | -5.8 | 2250 |
| 2000 | | 70 | 15.1 | -14.2 | -5.1 | 2 | 66 | 14.0 | -12.7 | -5.8 | 2 | 63 | 12.8 | -11.4 | -5.9 | 2 | 69 | 16.1 | -15.0 | -5.7 | 2000 |
| 1750 | | 74 | 14.4 | -13.8 | -4.0 | 2 | 68 | 13.8 | -12.9 | -5.1 | 2 | 63 | 15.3 | -13.6 | -6.9 | 3 | 74 | 16.7 | -16.1 | -4.6 | 1750 |
| 1500 | | 76 | 14.5 | -14.0 | -3.5 | | 73 | 14.7 | -14.1 | -4.3 | 2 | 69 | 16.4 | -15.3 | -5.9 | | 77 | 17.5 | -17.0 | -4.0 | 1500 |
| 1250 | | 77 | 15.4 | -15.0 | -3.4 | | 79 | 17.2 | -16.9 | -3.2 | | 74 | 16.4 | -15.8 | -4.5 | | 75 | 18.1 | -17.5 | -4.6 | 1250 |
| 1000 | | 81 | 16.6 | -16.4 | -2.7 | | 83 | 18.5 | -18.4 | -2.3 | | 77 | 16.5 | -16.1 | -3.8 | | 73 | 17.6 | -16.9 | -5.1 | 1000 |
| 750 | | 84 | 16.5 | -16.4 | -1.8 | | 84 | 16.4 | -16.3 | -1.6 | | 78 | 16.1 | -15.7 | -3.2 | | 75 | 15.9 | -15.3 | -4.2 | 750 |
| 500 | | 86 | 13.9 | -13.8 | -.9 | | 85 | 13.3 | -13.3 | -1.1 | | 81 | 13.6 | -13.5 | -2.1 | | 79 | 13.8 | -13.5 | -2.6 | 500 |
| 250 | | 92 | 9.8 | -9.8 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 11.1 | -11.1 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/ 9 925 GMT | | | | | 3/ 9 1145 GMT | | | | | 3/ 9 18 0 GMT | | | | | 3/10 0 0 GMT | | | | |
| 2500 | 2 | 66 | 9.1 | -8.3 | -3.7 | 2 | 65 | 10.2 | -9.2 | -4.3 | 2 | 64 | 9.9 | -8.9 | -4.3 | 2 | 67 | 8.3 | -7.6 | -3.3 | 2500 |
| 2250 | 2 | 72 | 12.4 | -11.8 | -3.9 | 2 | 74 | 10.8 | -10.3 | -3.0 | 2 | 69 | 11.2 | -10.5 | -3.9 | 2 | 68 | 10.1 | -9.4 | -3.8 | 2250 |
| 2000 | 2 | 77 | 13.7 | -13.3 | -3.0 | 2 | 80 | 12.8 | -12.6 | -2.2 | 2 | 76 | 12.5 | -12.1 | -2.9 | 2 | 68 | 11.6 | -10.8 | -4.4 | 2000 |
| 1750 | 2 | 84 | 12.7 | -12.7 | -1.3 | 2 | 84 | 14.9 | -14.8 | -1.6 | 2 | 83 | 12.8 | -12.7 | -1.6 | 2 | 68 | 12.6 | -11.8 | -4.6 | 1750 |
| 1500 | | 83 | 14.5 | -14.4 | -1.7 | 2 | 86 | 15.9 | -15.8 | -1.1 | | 84 | 13.3 | -13.2 | -1.5 | 2 | 72 | 13.5 | -12.8 | -4.1 | 1500 |
| 1250 | | 78 | 18.0 | -17.6 | -3.7 | | 83 | 15.7 | -15.6 | -2.0 | | 84 | 14.8 | -14.7 | -1.5 | | 79 | 14.0 | -13.7 | -2.8 | 1250 |
| 1000 | | 76 | 19.3 | -18.7 | -4.8 | | 77 | 15.4 | -15.0 | -3.5 | | 86 | 14.7 | -14.6 | -1.1 | | 86 | 14.8 | -14.8 | -1.1 | 1000 |
| 750 | | 74 | 17.8 | -17.1 | -4.8 | | 75 | 15.0 | -14.5 | -3.8 | | 84 | 12.1 | -12.1 | -1.3 | | 90 | 14.5 | -14.5 | .1 | 750 |
| 500 | | 74 | 14.0 | -13.4 | -3.8 | | 74 | 12.4 | -12.0 | -3.4 | | 80 | 9.9 | -9.8 | -1.8 | | 95 | 12.1 | -12.0 | 1.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 72 | 9.9 | -9.5 | -3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 99 | 10.1 | -10.0 | 1.5 | 250 |
| | | 3/10 6 2 GMT | | | | | 3/10 1135 GMT | | | | | 3/10 1450 GMT | | | | | 3/10 1732 GMT | | | | |
| 2500 | 2 | 89 | 7.8 | -7.8 | -.1 | 2 | 88 | 8.3 | -8.3 | -.3 | 2 | 88 | 8.2 | -8.1 | -.3 | 2 | 84 | 8.9 | -8.8 | -1.0 | 2500 |
| 2250 | 2 | 87 | 8.7 | -8.7 | -.5 | 2 | 84 | 10.9 | -10.9 | -1.1 | 2 | 89 | 9.0 | -9.0 | -.1 | 2 | 81 | 8.3 | -8.2 | -1.2 | 2250 |
| 2000 | 2 | 84 | 10.6 | -10.6 | -1.1 | 2 | 85 | 13.4 | -13.4 | -1.3 | 2 | 86 | 12.1 | -12.0 | -.9 | 2 | 85 | 11.1 | -11.1 | -1.0 | 2000 |
| 1750 | 2 | 85 | 14.3 | -14.2 | -1.2 | 2 | 91 | 15.9 | -15.9 | .3 | 2 | 88 | 15.0 | -15.0 | -.5 | 2 | 95 | 14.7 | -14.6 | 1.2 | 1750 |
| 1500 | 2 | 90 | 18.0 | -18.0 | -.0 | | 94 | 17.4 | -17.3 | 1.3 | 2 | 91 | 16.1 | -16.1 | .3 | 2 | 97 | 16.3 | -16.2 | 2.0 | 1500 |
| 1250 | | 93 | 18.4 | -18.3 | .9 | | 89 | 15.7 | -15.7 | -.3 | | 92 | 15.8 | -15.8 | .6 | | 93 | 15.9 | -15.8 | .9 | 1250 |
| 1000 | | 91 | 15.7 | -15.7 | .2 | | 82 | 13.5 | -13.4 | -1.8 | | 95 | 15.5 | -15.4 | 1.3 | | 93 | 14.4 | -14.4 | .7 | 1000 |
| 750 | | 87 | 13.4 | -13.4 | -.7 | | 86 | 12.5 | -12.4 | -1.0 | | 96 | 13.7 | -13.6 | 1.3 | | 100 | 12.3 | -12.1 | 2.2 | 750 |
| 500 | | 90 | 11.4 | -11.4 | -.0 | | 95 | 10.8 | -10.8 | .9 | | 98 | 10.0 | -9.9 | 1.3 | | 106 | 10.0 | -9.6 | 2.8 | 500 |
| 250 | | 104 | 9.1 | -8.8 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/10 2055 GMT | | | | | 3/11 010 GMT | | | | | 3/11 3 4 GMT | | | | | 3/11 6 0 GMT | | | | |
| 2500 | | 78 | 9.5 | -9.3 | -1.9 | 2 | 81 | 7.7 | -7.6 | -1.2 | 2 | 87 | 7.3 | -7.3 | -.3 | | 83 | 6.1 | -6.1 | -.7 | 2500 |
| 2250 | | 86 | 10.3 | -10.3 | -.8 | 2 | 101 | 7.5 | -7.3 | 1.4 | 2 | 100 | 8.0 | -7.9 | 1.4 | | 99 | 7.9 | -7.8 | 1.3 | 2250 |
| 2000 | | 85 | 10.5 | -10.5 | -1.0 | 2 | 99 | 8.1 | -8.0 | 1.3 | 2 | 97 | 8.4 | -8.3 | 1.1 | | 98 | 10.7 | -10.6 | 1.4 | 2000 |
| 1750 | | 85 | 10.7 | -10.7 | -1.0 | 2 | 90 | 10.4 | -10.4 | -.1 | 2 | 90 | 9.6 | -9.6 | .1 | | 98 | 12.5 | -12.4 | 1.7 | 1750 |
| 1500 | | 91 | 12.8 | -12.8 | .1 | 2 | 92 | 12.9 | -12.9 | .3 | | 96 | 12.2 | -12.1 | 1.2 | | 99 | 13.6 | -13.4 | 2.2 | 1500 |
| 1250 | | 96 | 14.8 | -14.8 | 1.6 | | 101 | 13.8 | -13.6 | 2.6 | | 104 | 15.1 | -14.6 | 3.8 | 3 | 97 | 14.9 | -14.8 | 1.8 | 1250 |
| 1000 | | 100 | 14.8 | -14.5 | 2.6 | | 104 | 13.6 | -13.2 | 3.4 | | 106 | 16.2 | -15.6 | 4.5 | 2 | 95 | 14.6 | -14.5 | 1.2 | 1000 |
| 750 | 2 | 102 | 12.9 | -12.6 | 2.6 | | 104 | 11.5 | -11.2 | 2.8 | | 102 | 14.6 | -14.3 | 3.0 | 2 | 95 | 12.1 | -12.0 | 1.0 | 750 |
| 500 | 2 | 105 | 9.6 | -9.3 | 2.4 | | 110 | 9.9 | -9.3 | 3.5 | | 99 | 11.5 | -11.4 | 1.7 | 2 | 95 | 9.8 | -9.8 | .9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 8.2 | -8.0 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | 3/11 835 GMT I | DD | FF | U | V | 3/11 12 0 GMT I | DD | FF | U | V | 3/12 620 GMT I | DD | FF | U | V | 3/12 12 0 GMT I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2500 | 2 | 96 | 3.7 | -3.7 | .4 | 2 | 104 | 8.3 | -8.1 | 2.0 | | 69 | 5.7 | -5.3 | -2.0 | 2 | 81 | 10.1 | -10.0 | -1.6 | 2500 |
| 2250 | 2 | 113 | 6.5 | -6.0 | 2.5 | 2 | 103 | 10.6 | -10.3 | 2.4 | | 86 | 11.5 | -11.5 | -.8 | 2 | 91 | 13.7 | -13.7 | .2 | 2250 |
| 2000 | | 105 | 11.6 | -11.2 | 3.1 | 2 | 100 | 11.6 | -11.4 | 2.1 | | 87 | 15.8 | -15.8 | -.8 | 2 | 88 | 16.7 | -16.7 | -.5 | 2000 |
| 1750 | | 100 | 15.9 | -15.7 | 2.9 | 2 | 100 | 13.1 | -12.9 | 2.4 | | 89 | 16.7 | -16.7 | -.4 | 2 | 82 | 17.8 | -17.6 | -2.5 | 1750 |
| 1500 | | 97 | 17.8 | -17.6 | 2.3 | | 99 | 14.8 | -14.6 | 2.3 | | 89 | 15.2 | -15.2 | -.3 | | 77 | 15.8 | -15.4 | -3.6 | 1500 |
| 1250 | | 94 | 17.7 | -17.6 | 1.3 | | 95 | 15.3 | -15.2 | 1.4 | | 86 | 14.2 | -14.1 | -1.1 | | 74 | 14.2 | -13.7 | -3.8 | 1250 |
| 1000 | | 91 | 15.6 | -15.6 | .3 | | 94 | 14.8 | -14.8 | 1.0 | | 85 | 14.0 | -13.9 | -1.1 | | 75 | 14.4 | -13.9 | -3.8 | 1000 |
| 750 | | 93 | 13.4 | -13.4 | .7 | | 96 | 13.8 | -13.7 | 1.5 | | 88 | 11.9 | -11.9 | -.5 | | 77 | 13.7 | -13.3 | -3.1 | 750 |
| 500 | | 97 | 11.5 | -11.4 | 1.4 | | 96 | 10.8 | -10.8 | 1.2 | | 89 | 9.6 | -9.6 | -.1 | | 81 | 11.8 | -11.7 | -1.8 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |

| | 3/12 1840 GMT | | | | | 3/13 18 0 GMT | | | | | 3/14 030 GMT | | | | | 3/14 315 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2500 | 2 | 89 | 9.4 | -9.4 | -.1 | 2 | 94 | 20.7 | -20.7 | 1.3 | 2 | 95 | 18.1 | -18.1 | 1.7 | 2 | 103 | 17.9 | -17.5 | 3.9 | 2500 |
| 2250 | 2 | 95 | 12.3 | -12.3 | 1.1 | 2 | 88 | 20.4 | -20.4 | -.5 | 2 | 94 | 18.1 | -18.1 | 1.2 | 3 | 100 | 17.6 | -17.3 | 3.2 | 2250 |
| 2000 | 2 | 87 | 15.4 | -15.3 | -.7 | 2 | 83 | 18.1 | -18.0 | -2.3 | 2 | 90 | 18.1 | -18.1 | .1 | | 93 | 16.0 | -16.0 | .7 | 2000 |
| 1750 | 2 | 81 | 17.0 | -16.8 | -2.6 | 2 | 83 | 17.4 | -17.3 | -2.2 | 2 | 89 | 18.7 | -18.7 | -.4 | | 90 | 17.5 | -17.5 | -.0 | 1750 |
| 1500 | | 80 | 16.3 | -16.0 | -2.9 | | 86 | 17.1 | -17.0 | -1.2 | 2 | 91 | 18.5 | -18.5 | .3 | | 96 | 19.4 | -19.3 | 1.9 | 1500 |
| 1250 | | 79 | 14.3 | -14.0 | -2.7 | | 90 | 15.8 | -15.8 | -.1 | | 94 | 18.1 | -18.0 | 1.1 | | 102 | 19.5 | -19.1 | 4.2 | 1250 |
| 1000 | | 79 | 12.7 | -12.4 | -2.5 | | 96 | 15.0 | -15.0 | 1.5 | | 99 | 18.7 | -18.4 | 3.1 | | 105 | 19.7 | -19.0 | 5.1 | 1000 |
| 750 | | 80 | 12.3 | -12.1 | -2.1 | | 101 | 15.2 | -15.0 | 3.0 | | 102 | 17.2 | -16.8 | 3.5 | | 104 | 19.5 | -18.9 | 4.6 | 750 |
| 500 | | 84 | 12.0 | -11.9 | -1.2 | | 105 | 14.6 | -14.0 | 3.8 | | 100 | 13.7 | -13.5 | 2.4 | | 101 | 16.5 | -16.2 | 3.2 | 500 |
| 250 | | 87 | 11.0 | -10.9 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 100 | 13.0 | -12.8 | 2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |

| | 3/14 620 GMT | | | | | 3/14 845 GMT | | | | | 3/14 1225 GMT | | | | | 3/14 15 0 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2500 | 2 | 103 | 16.8 | -16.4 | 3.8 | 2 | 102 | 16.5 | -16.2 | 3.5 | 2 | 99 | 15.4 | -15.2 | 2.5 | 2 | 100 | 15.5 | -15.3 | 2.6 | 2500 |
| 2250 | 2 | 100 | 16.7 | -16.4 | 2.8 | 2 | 99 | 17.2 | -17.0 | 2.6 | 2 | 94 | 14.1 | -14.1 | 1.0 | 2 | 95 | 14.6 | -14.5 | 1.4 | 2250 |
| 2000 | 2 | 97 | 17.4 | -17.2 | 2.1 | 2 | 97 | 17.1 | -17.0 | 1.9 | 2 | 101 | 15.1 | -14.9 | 2.8 | 3 | 95 | 14.3 | -14.3 | 1.2 | 2000 |
| 1750 | 2 | 96 | 19.2 | -19.1 | 1.9 | 2 | 99 | 17.7 | -17.4 | 2.7 | 2 | 107 | 17.6 | -16.7 | 5.3 | | 92 | 14.4 | -14.4 | .6 | 1750 |
| 1500 | | 98 | 20.1 | -19.9 | 2.9 | | 102 | 18.4 | -18.0 | 4.0 | 2 | 104 | 16.7 | -16.2 | 4.0 | | 92 | 13.4 | -13.4 | .4 | 1500 |
| 1250 | | 103 | 18.7 | -18.2 | 4.3 | | 103 | 18.1 | -17.7 | 4.1 | | 98 | 14.8 | -14.7 | 1.9 | | 97 | 12.9 | -12.9 | 1.5 | 1250 |
| 1000 | | 104 | 17.4 | -16.9 | 4.2 | | 101 | 17.4 | -17.1 | 3.2 | | 97 | 15.2 | -15.0 | 1.9 | | 97 | 14.0 | -13.9 | 1.7 | 1000 |
| 750 | | 100 | 17.2 | -16.9 | 2.9 | | 97 | 15.8 | -15.7 | 1.9 | | 96 | 15.6 | -15.5 | 1.7 | | 95 | 13.4 | -13.4 | 1.2 | 750 |
| 500 | | 98 | 15.2 | -15.1 | 2.0 | | 95 | 12.3 | -12.3 | 1.0 | | 95 | 12.5 | -12.5 | 1.0 | | 97 | 10.8 | -10.7 | 1.3 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 100 | 7.5 | -7.4 | 1.3 | | 100 | 10.0 | -9.8 | 1.6 | 250 |

| | 3/14 1730 GMT | | | | | 3/14 2030 GMT | | | | | 3/15 0 0 GMT | | | | | 3/15 315 GMT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2500 | 2 | 95 | 14.3 | -14.2 | 1.3 | 2 | 103 | 15.1 | -14.7 | 3.5 | 2 | 103 | 16.1 | -15.6 | 3.7 | 2 | 113 | 13.9 | -12.8 | 5.3 | 2500 |
| 2250 | 2 | 97 | 14.9 | -14.8 | 1.9 | 2 | 103 | 15.4 | -15.1 | 3.4 | 2 | 103 | 15.8 | -15.4 | 3.6 | 2 | 109 | 13.7 | -12.9 | 4.5 | 2250 |
| 2000 | 2 | 98 | 15.1 | -15.0 | 2.1 | 2 | 105 | 15.9 | -15.3 | 4.2 | 2 | 106 | 15.4 | -14.8 | 4.1 | 2 | 99 | 13.7 | -13.5 | 2.2 | 2000 |
| 1750 | 2 | 93 | 14.5 | -14.5 | .8 | 2 | 105 | 16.0 | -15.5 | 4.1 | 2 | 107 | 15.6 | -14.9 | 4.5 | 2 | 91 | 13.4 | -13.4 | .2 | 1750 |
| 1500 | 2 | 88 | 14.2 | -14.2 | -.5 | 2 | 101 | 14.7 | -14.4 | 2.9 | | 105 | 15.5 | -15.0 | 4.1 | 2 | 91 | 12.6 | -12.6 | .2 | 1500 |
| 1250 | | 88 | 14.2 | -14.2 | -.5 | | 94 | 12.9 | -12.9 | .8 | | 99 | 14.1 | -13.9 | 2.2 | | 92 | 12.5 | -12.5 | .5 | 1250 |
| 1000 | | 91 | 13.0 | -13.0 | .3 | | 88 | 13.4 | -13.4 | -.4 | | 89 | 12.6 | -12.6 | -.2 | | 89 | 12.6 | -12.6 | -.2 | 1000 |
| 750 | | 94 | 11.4 | -11.4 | .9 | | 90 | 13.6 | -13.6 | -.0 | | 84 | 11.7 | -11.7 | -1.1 | | 87 | 11.8 | -11.8 | -.6 | 750 |
| 500 | | 98 | 11.0 | -10.9 | 1.5 | | 92 | 11.4 | -11.4 | .3 | | 88 | 9.8 | -9.8 | -.3 | | 89 | 10.4 | -10.4 | -.2 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 90 | 8.7 | -8.7 | .0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/15 530 GMT | | | | | 3/15 845 GMT | | | | | 3/15 12 5 GMT | | | | | 3/15 18 0 GMT | | | | |
| 2500 | 2 | 103 | 14.2 | -13.8 | 3.3 | 2 | 99 | 12.5 | -12.4 | 1.9 | 2 | 105 | 12.7 | -12.2 | 3.4 | 2 | 97 | 13.3 | -13.2 | 1.7 | 2500 |
| 2250 | 2 | 94 | 13.5 | -13.4 | 1.0 | 2 | 94 | 12.8 | -12.7 | 1.0 | 2 | 105 | 11.3 | -10.9 | 2.8 | 2 | 93 | 12.2 | -12.2 | .6 | 2250 |
| 2000 | 2 | 90 | 12.9 | -12.9 | .1 | 2 | 92 | 13.0 | -13.0 | .4 | 2 | 105 | 10.8 | -10.4 | 2.7 | 2 | 88 | 11.6 | -11.6 | -.3 | 2000 |
| 1750 | 3 | 98 | 13.7 | -13.5 | 1.8 | 2 | 91 | 12.1 | -12.1 | .2 | 2 | 101 | 10.7 | -10.5 | 2.1 | 2 | 88 | 11.8 | -11.8 | -.4 | 1750 |
| 1500 | | 102 | 13.5 | -13.2 | 2.8 | | 86 | 11.1 | -11.1 | -.8 | 2 | 94 | 10.8 | -10.8 | .7 | | 87 | 12.4 | -12.4 | -.6 | 1500 |
| 1250 | | 99 | 11.2 | -11.1 | 1.7 | | 82 | 11.8 | -11.7 | -1.6 | | 90 | 11.2 | -11.2 | -.0 | | 84 | 12.7 | -12.7 | -1.3 | 1250 |
| 1000 | | 93 | 9.3 | -9.3 | .4 | | 83 | 13.3 | -13.2 | -1.5 | | 87 | 11.3 | -11.3 | -.5 | | 82 | 12.6 | -12.5 | -1.7 | 1000 |
| 750 | | 86 | 8.4 | -8.4 | -.5 | | 86 | 12.9 | -12.9 | -1.0 | | 81 | 10.9 | -10.8 | -1.7 | | 83 | 11.1 | -11.0 | -1.4 | 750 |
| 500 | | 84 | 7.9 | -7.8 | -.8 | | 89 | 9.6 | -9.6 | -.2 | | 79 | 9.1 | -8.9 | -1.7 | | 86 | 8.4 | -8.3 | -.6 | 500 |
| 250 | | 92 | 7.1 | -7.1 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 84 | 7.3 | -7.3 | -.7 | | 89 | 6.7 | -6.7 | -.1 | 250 |
| | | 3/16 0 5 GMT | | | | | 3/16 555 GMT | | | | | 3/16 1210 GMT | | | | | 3/16 1532 GMT | | | | |
| 2500 | 2 | 99 | 9.9 | -9.8 | 1.5 | 2 | 83 | 10.5 | -10.4 | -1.2 | 2 | 84 | 10.0 | -9.9 | -1.0 | 2 | 78 | 9.6 | -9.4 | -1.9 | 2500 |
| 2250 | 2 | 90 | 10.1 | -10.1 | .1 | 2 | 72 | 9.6 | -9.1 | -2.9 | 2 | 77 | 10.1 | -9.8 | -2.3 | 2 | 78 | 9.6 | -9.4 | -2.0 | 2250 |
| 2000 | 2 | 80 | 10.9 | -10.8 | -1.9 | 2 | 70 | 8.9 | -8.4 | -3.1 | 2 | 73 | 9.8 | -9.4 | -2.9 | 2 | 77 | 9.3 | -9.1 | -2.1 | 2000 |
| 1750 | 2 | 78 | 11.1 | -10.9 | -2.3 | 3 | 74 | 9.8 | -9.4 | -2.7 | 2 | 74 | 10.4 | -10.0 | -2.9 | 3 | 74 | 9.6 | -9.2 | -2.7 | 1750 |
| 1500 | | 83 | 11.7 | -11.6 | -1.5 | | 74 | 11.7 | -11.2 | -3.3 | | 71 | 11.4 | -10.7 | -3.7 | | 70 | 10.2 | -9.7 | -3.4 | 1500 |
| 1250 | | 83 | 12.9 | -12.8 | -1.6 | | 74 | 12.9 | -12.4 | -3.6 | | 63 | 11.0 | -9.9 | -4.9 | | 68 | 10.6 | -9.8 | -4.1 | 1250 |
| 1000 | | 77 | 13.4 | -13.0 | -3.0 | | 74 | 12.5 | -12.1 | -3.4 | | 58 | 9.8 | -8.3 | -5.2 | | 65 | 10.2 | -9.2 | -4.3 | 1000 |
| 750 | | 67 | 13.2 | -12.1 | -5.2 | | 74 | 11.2 | -10.8 | -3.1 | | 57 | 8.8 | -7.4 | -4.9 | | 64 | 9.0 | -8.1 | -3.9 | 750 |
| 500 | | 70 | 10.4 | -9.8 | -3.6 | | 73 | 9.6 | -9.2 | -2.8 | | 61 | 7.8 | -6.8 | -3.8 | | 69 | 7.6 | -7.1 | -2.7 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/16 1831 GMT | | | | | 3/16 2030 GMT | | | | | 3/17 013 GMT | | | | | 3/17 3 0 GMT | | | | |
| 2500 | 2 | 95 | 6.8 | -6.8 | .5 | 2 | 73 | 9.8 | -9.4 | -2.9 | 2 | 78 | 9.5 | -9.3 | -2.0 | 2 | 78 | 10.9 | -10.7 | -2.3 | 2500 |
| 2250 | 2 | 75 | 5.8 | -5.7 | -1.5 | 2 | 74 | 10.3 | -9.9 | -2.9 | 2 | 85 | 9.8 | -9.7 | -.8 | 2 | 83 | 10.3 | -10.2 | -1.2 | 2250 |
| 2000 | 2 | 83 | 7.9 | -7.9 | -.9 | 2 | 81 | 10.4 | -10.3 | -1.5 | 2 | 82 | 11.0 | -10.9 | -1.5 | 2 | 83 | 10.1 | -10.0 | -1.2 | 2000 |
| 1750 | 2 | 72 | 10.1 | -9.6 | -3.1 | 3 | 78 | 10.6 | -10.4 | -2.2 | 2 | 73 | 12.0 | -11.5 | -3.6 | 3 | 74 | 10.4 | -10.0 | -2.8 | 1750 |
| 1500 | | 65 | 11.3 | -10.2 | -4.7 | | 68 | 11.7 | -10.8 | -4.4 | | 66 | 12.5 | -11.4 | -5.2 | | 66 | 10.9 | -10.0 | -4.4 | 1500 |
| 1250 | | 66 | 11.5 | -10.5 | -4.7 | | 63 | 12.5 | -11.1 | -5.7 | | 64 | 12.3 | -11.1 | -5.3 | | 66 | 10.7 | -9.8 | -4.3 | 1250 |
| 1000 | | 69 | 10.9 | -10.2 | -4.0 | | 64 | 12.2 | -11.0 | -5.3 | | 70 | 11.5 | -10.8 | -4.0 | | 71 | 10.4 | -9.8 | -3.4 | 1000 |
| 750 | | 67 | 9.4 | -8.7 | -3.6 | | 70 | 10.7 | -10.0 | -3.7 | | 79 | 10.5 | -10.3 | -2.0 | | 77 | 10.2 | -9.9 | -2.4 | 750 |
| 500 | | 69 | 7.2 | -6.7 | -2.6 | | 79 | 8.3 | -8.2 | -1.6 | | 88 | 9.0 | -8.9 | -.3 | | 84 | 9.1 | -9.1 | -.9 | 500 |
| 250 | | 85 | 5.7 | -5.7 | -.5 | | 93 | 5.8 | -5.8 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/17 547 GMT | | | | | 3/17 1145 GMT | | | | | 3/17 1750 GMT | | | | | 3/18 0 0 GMT | | | | |
| 2500 | 2 | 77 | 10.9 | -10.6 | -2.5 | 2 | 71 | 12.3 | -11.6 | -3.9 | 2 | 70 | 13.2 | -12.5 | -4.4 | 2 | 69 | 15.6 | -14.6 | -5.6 | 2500 |
| 2250 | 2 | 85 | 10.3 | -10.3 | -.9 | 2 | 73 | 11.8 | -11.3 | -3.5 | 2 | 73 | 13.8 | -13.2 | -3.9 | 2 | 78 | 16.3 | -15.9 | -3.5 | 2250 |
| 2000 | 2 | 87 | 11.1 | -11.1 | -.6 | 2 | 76 | 11.0 | -10.7 | -2.7 | 2 | 79 | 14.4 | -14.1 | -2.7 | 2 | 81 | 15.5 | -15.4 | -2.3 | 2000 |
| 1750 | 2 | 77 | 12.9 | -12.6 | -2.8 | 2 | 74 | 11.5 | -11.0 | -3.3 | 2 | 79 | 15.0 | -14.7 | -2.8 | 2 | 78 | 14.0 | -13.7 | -2.9 | 1750 |
| 1500 | | 66 | 13.6 | -12.4 | -5.5 | | 70 | 13.2 | -12.4 | -4.4 | | 76 | 15.0 | -14.6 | -3.6 | | 76 | 13.2 | -12.8 | -3.3 | 1500 |
| 1250 | | 62 | 12.5 | -11.0 | -5.9 | | 70 | 13.7 | -12.9 | -4.6 | | 77 | 13.9 | -13.5 | -3.2 | | 80 | 13.4 | -13.1 | -2.4 | 1250 |
| 1000 | | 68 | 11.9 | -11.1 | -4.5 | | 73 | 12.5 | -11.9 | -3.7 | | 81 | 12.3 | -12.1 | -2.0 | | 85 | 13.2 | -13.1 | -1.2 | 1000 |
| 750 | | 78 | 11.5 | -11.2 | -2.4 | | 79 | 11.3 | -11.1 | -2.2 | | 87 | 11.3 | -11.3 | -.6 | | 90 | 11.8 | -11.8 | -.0 | 750 |
| 500 | | 90 | 9.8 | -9.8 | -.1 | | 88 | 9.8 | -9.7 | -.4 | | 95 | 10.6 | -10.6 | 1.0 | | 94 | 9.8 | -9.7 | .7 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 9.4 | -9.2 | 2.1 | | 93 | 8.5 | -8.5 | .4 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/18 531 GMT | | | | | 3/18 1255 GMT | | | | | 3/18 1740 GMT | | | | | 3/18 2035 GMT | | | | |
| 2500 | 2 | 73 | 14.7 | -14.1 | -4.3 | 2 | 70 | 12.4 | -11.7 | -4.2 | 2 | 89 | 13.0 | -13.0 | -.3 | 2 | 93 | 15.5 | -15.5 | .8 | 2500 |
| 2250 | 2 | 80 | 15.5 | -15.3 | -2.6 | 2 | 78 | 12.1 | -11.8 | -2.5 | 2 | 96 | 13.2 | -13.1 | 1.4 | 2 | 95 | 14.8 | -14.8 | 1.2 | 2250 |
| 2000 | 2 | 85 | 14.7 | -14.6 | -1.4 | 2 | 92 | 12.1 | -12.1 | .5 | 2 | 101 | 13.5 | -13.3 | 2.5 | 2 | 91 | 14.0 | -14.0 | .2 | 2000 |
| 1750 | 2 | 83 | 13.8 | -13.7 | -1.6 | 2 | 100 | 12.4 | -12.2 | 2.1 | 2 | 99 | 14.2 | -14.0 | 2.2 | 2 | 91 | 15.2 | -15.2 | .4 | 1750 |
| 1500 | | 80 | 14.2 | -14.0 | -2.4 | 2 | 96 | 12.6 | -12.5 | 1.3 | | 95 | 15.3 | -15.3 | 1.4 | 3 | 95 | 16.4 | -16.4 | 1.5 | 1500 |
| 1250 | | 79 | 15.1 | -14.8 | -2.8 | | 91 | 13.2 | -13.2 | .2 | | 93 | 16.2 | -16.2 | .8 | | 97 | 15.6 | -15.5 | 1.8 | 1250 |
| 1000 | | 83 | 14.9 | -14.8 | -1.9 | | 93 | 13.5 | -13.5 | .7 | | 92 | 16.1 | -16.1 | .4 | | 98 | 15.1 | -15.0 | 2.0 | 1000 |
| 750 | | 91 | 13.6 | -13.6 | .1 | | 97 | 12.8 | -12.7 | 1.5 | | 95 | 15.3 | -15.3 | 1.2 | | 101 | 15.5 | -15.2 | 3.0 | 750 |
| 500 | | 99 | 11.9 | -11.7 | 1.9 | | 100 | 11.3 | -11.2 | 1.9 | | 99 | 13.2 | -13.0 | 2.2 | | 103 | 14.0 | -13.6 | 3.2 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 105 | 10.0 | -9.6 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 10.4 | -10.1 | 2.4 | 250 |
| | | 3/18 2343 GMT | | | | | 3/19 255 GMT | | | | | 3/19 6 5 GMT | | | | | 3/19 9 0 GMT | | | | |
| 2500 | 2 | 90 | 13.9 | -13.9 | -.1 | 2 | 91 | 19.9 | -19.9 | .4 | 2 | 100 | 19.0 | -18.7 | 3.2 | 2 | 73 | 16.3 | -15.6 | -4.7 | 2500 |
| 2250 | 2 | 96 | 14.1 | -14.0 | 1.6 | 2 | 93 | 18.9 | -18.9 | .9 | 2 | 98 | 19.2 | -19.0 | 2.8 | 2 | 74 | 15.4 | -14.9 | -4.2 | 2250 |
| 2000 | 2 | 98 | 13.3 | -13.1 | 1.8 | 2 | 95 | 16.6 | -16.6 | 1.4 | 2 | 96 | 18.2 | -18.1 | 1.8 | 2 | 80 | 15.5 | -15.3 | -2.7 | 2000 |
| 1750 | 2 | 95 | 14.9 | -14.9 | 1.3 | 2 | 95 | 15.7 | -15.6 | 1.3 | 2 | 95 | 16.9 | -16.8 | 1.5 | 2 | 85 | 16.0 | -15.9 | -1.4 | 1750 |
| 1500 | 2 | 93 | 18.3 | -18.3 | .9 | | 93 | 17.1 | -17.1 | .8 | 2 | 97 | 17.2 | -17.1 | 2.0 | | 87 | 16.3 | -16.3 | -1.0 | 1500 |
| 1250 | | 92 | 19.1 | -19.1 | .8 | | 93 | 17.8 | -17.7 | 1.1 | | 95 | 18.8 | -18.7 | 1.8 | | 87 | 17.0 | -17.0 | -.8 | 1250 |
| 1000 | | 95 | 18.2 | -18.2 | 1.5 | | 98 | 16.7 | -16.6 | 2.3 | | 93 | 18.4 | -18.4 | .9 | | 89 | 17.5 | -17.5 | -.2 | 1000 |
| 750 | | 100 | 16.6 | -16.4 | 2.8 | | 104 | 14.4 | -14.0 | 3.6 | | 95 | 15.4 | -15.3 | 1.3 | | 92 | 15.0 | -15.0 | .5 | 750 |
| 500 | | 104 | 13.4 | -13.0 | 3.2 | | 109 | 11.9 | -11.3 | 3.9 | 2 | 101 | 12.3 | -12.1 | 2.4 | | 95 | 10.8 | -10.8 | 1.0 | 500 |
| 250 | | 104 | 9.8 | -9.5 | 2.4 | | 108 | 9.4 | -8.9 | 3.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/19 1220 GMT | | | | | 3/19 1740 GMT | | | | | 3/19 2350 GMT | | | | | 3/20 6 1 GMT | | | | |
| 2500 | 2 | 83 | 14.0 | -13.9 | -1.6 | 2 | 93 | 13.0 | -13.0 | .6 | 2 | 98 | 14.0 | -13.9 | 1.9 | 2 | 97 | 13.1 | -13.0 | 1.5 | 2500 |
| 2250 | 2 | 85 | 13.6 | -13.6 | -1.3 | 2 | 97 | 13.4 | -13.2 | 1.7 | 3 | 97 | 15.1 | -15.0 | 1.8 | 2 | 96 | 13.4 | -13.3 | 1.4 | 2250 |
| 2000 | 2 | 81 | 13.5 | -13.4 | -2.0 | 2 | 98 | 14.6 | -14.4 | 2.1 | | 94 | 16.0 | -16.0 | 1.0 | 2 | 91 | 12.3 | -12.3 | .3 | 2000 |
| 1750 | 2 | 83 | 14.5 | -14.4 | -1.8 | 2 | 96 | 16.4 | -16.3 | 1.6 | | 91 | 17.1 | -17.1 | .2 | 2 | 83 | 11.1 | -11.0 | -1.4 | 1750 |
| 1500 | 2 | 90 | 16.2 | -16.2 | -.0 | | 97 | 16.9 | -16.8 | 1.9 | | 90 | 17.5 | -17.5 | -.1 | | 75 | 11.2 | -10.8 | -3.0 | 1500 |
| 1250 | | 96 | 17.8 | -17.7 | 1.8 | | 101 | 17.3 | -17.0 | 3.3 | | 90 | 16.9 | -16.9 | .1 | | 73 | 12.4 | -11.8 | -3.6 | 1250 |
| 1000 | | 99 | 18.2 | -17.9 | 3.0 | | 101 | 18.3 | -17.9 | 3.6 | | 90 | 16.3 | -16.3 | .1 | | 77 | 12.9 | -12.6 | -2.9 | 1000 |
| 750 | | 103 | 16.2 | -15.8 | 3.5 | | 98 | 17.3 | -17.2 | 2.3 | | 88 | 15.6 | -15.6 | -.5 | | 82 | 11.7 | -11.5 | -1.7 | 750 |
| 500 | | 105 | 12.4 | -11.9 | 3.3 | | 93 | 13.8 | -13.7 | .7 | | 88 | 12.8 | -12.8 | -.3 | | 85 | 9.2 | -9.1 | -.8 | 500 |
| 250 | | 106 | 9.2 | -8.9 | 2.5 | | 92 | 9.2 | -9.2 | .3 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 7.2 | -7.2 | .1 | 250 |
| | | 3/20 12 0 GMT | | | | | 3/20 15 0 GMT | | | | | 3/20 1730 GMT | | | | | 3/20 2030 GMT | | | | |
| 2500 | | 88 | 9.9 | -9.9 | -.3 | | 86 | 8.7 | -8.7 | -.5 | | 79 | 9.2 | -9.0 | -1.8 | | 79 | 10.4 | -10.2 | -2.0 | 2500 |
| 2250 | | 93 | 10.9 | -10.9 | .5 | | 93 | 8.8 | -8.8 | .4 | | 89 | 9.5 | -9.5 | -.1 | | 81 | 8.8 | -8.7 | -1.4 | 2250 |
| 2000 | | 90 | 11.4 | -11.4 | -.1 | | 90 | 10.4 | -10.4 | .1 | | 90 | 10.4 | -10.4 | -.1 | | 82 | 9.3 | -9.2 | -1.3 | 2000 |
| 1750 | 3 | 86 | 11.2 | -11.2 | -.9 | | 86 | 11.5 | -11.5 | -.9 | | 83 | 11.4 | -11.3 | -1.5 | | 77 | 10.3 | -10.0 | -2.3 | 1750 |
| 1500 | | 87 | 11.2 | -11.2 | -.6 | | 85 | 11.7 | -11.6 | -1.0 | | 80 | 11.9 | -11.7 | -2.1 | | 75 | 10.3 | -9.9 | -2.7 | 1500 |
| 1250 | | 88 | 11.5 | -11.4 | -.5 | | 82 | 10.8 | -10.7 | -1.6 | | 72 | 11.1 | -10.6 | -3.4 | | 70 | 10.2 | -9.6 | -3.6 | 1250 |
| 1000 | | 85 | 11.2 | -11.2 | -.9 | | 69 | 9.0 | -8.4 | -3.2 | | 60 | 10.2 | -8.9 | -5.1 | | 61 | 10.3 | -9.0 | -5.1 | 1000 |
| 750 | | 82 | 9.8 | -9.7 | -1.3 | | 62 | 7.8 | -6.9 | -3.6 | | 60 | 9.1 | -7.9 | -4.5 | | 57 | 10.0 | -8.4 | -5.4 | 750 |
| 500 | | 84 | 7.5 | -7.4 | -.8 | | 74 | 7.6 | -7.3 | -2.1 | | 72 | 7.1 | -6.7 | -2.2 | | 59 | 8.2 | -7.0 | -4.2 | 500 |
| 250 | | 98 | 5.9 | -5.9 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 5.8 | -5.8 | -.1 | | 68 | 5.0 | -4.6 | -1.9 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

3/20 2350 GMT

| H | I | DD | FF | U | V |
|---|---|---|---|---|---|
| 2500 | | 75 | 8.2 | -7.9 | -2.1 |
| 2250 | | 83 | 7.9 | -7.9 | -1.0 |
| 2000 | | 81 | 9.1 | -9.0 | -1.4 |
| 1750 | | 70 | 10.4 | -9.8 | -3.5 |
| 1500 | | 63 | 10.8 | -9.7 | -4.8 |
| 1250 | | 63 | 10.4 | -9.3 | -4.7 |
| 1000 | | 63 | 10.1 | -9.0 | -4.5 |
| 750 | | 62 | 9.7 | -8.5 | -4.6 |
| 500 | | 62 | 8.4 | -7.5 | -3.9 |
| 250 | | 68 | 5.9 | -5.4 | -2.2 |

3/21 3 0 GMT

| I | DD | FF | U | V |
|---|---|---|---|---|
| | 80 | 8.3 | -8.2 | -1.5 |
| | 92 | 8.2 | -8.2 | .3 |
| | 83 | 10.0 | -10.0 | -1.2 |
| | 69 | 11.4 | -10.6 | -4.1 |
| | 59 | 11.4 | -9.7 | -5.8 |
| | 53 | 10.4 | -8.3 | -6.3 |
| | 50 | 9.1 | -7.0 | -5.9 |
| | 51 | 8.0 | -6.2 | -5.0 |
| | 59 | 6.6 | -5.7 | -3.3 |
| 0 | 0 | 0.0 | 0.0 | 0.0 |

3/21 630 GMT

| I | DD | FF | U | V |
|---|---|---|---|---|
| | 76 | 10.7 | -10.3 | -2.6 |
| | 77 | 11.3 | -11.0 | -2.5 |
| | 80 | 10.5 | -10.3 | -1.9 |
| | 82 | 8.5 | -8.4 | -1.2 |
| | 71 | 7.4 | -7.0 | -2.4 |
| | 61 | 8.5 | -7.4 | -4.1 |
| | 62 | 9.7 | -8.6 | -4.6 |
| | 63 | 10.3 | -9.1 | -4.7 |
| | 67 | 8.9 | -8.2 | -3.5 |
| 0 | 0 | 0.0 | 0.0 | 0.0 |

3/21 1424 GMT

| I | DD | FF | U | V | H |
|---|---|---|---|---|---|
| | 71 | 6.0 | -5.7 | -1.9 | 2500 |
| | 67 | 5.1 | -4.7 | -2.0 | 2250 |
| | 72 | 5.6 | -5.3 | -1.7 | 2000 |
| | 82 | 6.5 | -6.4 | -.9 | 1750 |
| | 91 | 6.8 | -6.8 | .1 | 1500 |
| | 94 | 6.5 | -6.5 | .4 | 1250 |
| | 96 | 6.1 | -6.0 | .6 | 1000 |
| | 101 | 5.9 | -5.8 | 1.2 | 750 |
| | 108 | 5.8 | -5.6 | 1.8 | 500 |
| | 117 | 6.7 | -6.0 | 3.0 | 250 |

3/21 18 0 GMT

| | | | | |
|---|---|---|---|---|
| 2500 | 60 | 7.9 | -6.8 | -3.9 |
| 2250 | 61 | 6.8 | -6.0 | -3.3 |
| 2000 | 58 | 6.1 | -5.2 | -3.2 |
| 1750 | 56 | 5.7 | -4.7 | -3.2 |
| 1500 | 58 | 5.2 | -4.4 | -2.8 |
| 1250 | 70 | 4.8 | -4.5 | -1.6 |
| 1000 | 91 | 5.8 | -5.8 | .1 |
| 750 | 103 | 7.2 | -7.0 | 1.6 |
| 500 | 113 | 6.7 | -6.1 | 2.6 |
| 250 | 131 | 5.0 | -3.7 | 3.3 |

3/22 020 GMT

| | | | | |
|---|---|---|---|---|
| | 46 | 6.8 | -4.9 | -4.7 |
| | 55 | 5.7 | -4.7 | -3.3 |
| | 61 | 4.6 | -4.0 | -2.3 |
| | 58 | 3.9 | -3.3 | -2.1 |
| | 63 | 4.2 | -3.7 | -1.9 |
| | 87 | 3.6 | -3.6 | -.2 |
| | 128 | 2.8 | -2.2 | 1.8 |
| | 130 | 3.4 | -2.6 | 2.1 |
| | 118 | 5.2 | -4.6 | 2.5 |
| | 125 | 5.6 | -4.6 | 3.2 |

3/22 615 GMT

| | | | | |
|---|---|---|---|---|
| | 100 | 6.8 | -6.7 | 1.2 |
| | 110 | 7.5 | -7.0 | 2.6 |
| | 114 | 8.4 | -7.7 | 3.5 |
| | 114 | 10.0 | -9.1 | 4.1 |
| | 114 | 11.0 | -10.1 | 4.4 |
| | 114 | 9.6 | -8.7 | 3.9 |
| | 116 | 8.4 | -7.5 | 3.6 |
| | 119 | 9.4 | -8.2 | 4.6 |
| | 124 | 10.7 | -8.9 | 5.9 |
| 0 | 0 | 0.0 | 0.0 | 0.0 |

3/22 1250 GMT

| | | | | | |
|---|---|---|---|---|---|
| | 104 | 13.8 | -13.4 | 3.4 | 2500 |
| | 103 | 16.5 | -16.1 | 3.8 | 2250 |
| | 101 | 17.9 | -17.6 | 3.3 | 2000 |
| | 98 | 17.6 | -17.4 | 2.4 | 1750 |
| | 98 | 16.7 | -16.5 | 2.3 | 1500 |
| | 102 | 15.7 | -15.3 | 3.4 | 1250 |
| | 107 | 14.6 | -14.0 | 4.4 | 1000 |
| | 113 | 12.9 | -11.8 | 5.1 | 750 |
| | 125 | 10.8 | -8.8 | 6.3 | 500 |
| | 136 | 10.0 | -7.0 | 7.2 | 250 |

3/22 1515 GMT

| | | | | |
|---|---|---|---|---|
| 2500 | 98 | 10.4 | -10.3 | 1.5 |
| 2250 | 89 | 10.4 | -10.4 | -.1 |
| 2000 | 92 | 10.8 | -10.7 | .3 |
| 1750 | 99 | 11.4 | -11.3 | 1.8 |
| 1500 | 105 | 12.2 | -11.8 | 3.2 |
| 1250 | 110 | 14.0 | -13.2 | 4.7 |
| 1000 | 110 | 15.7 | -14.8 | 5.3 |
| 750 | 111 | 15.1 | -14.1 | 5.3 |
| 500 | 118 | 11.6 | -10.3 | 5.4 |
| 250 | 133 | 8.0 | -5.8 | 5.5 |

3/22 18 0 GMT

| | | | | |
|---|---|---|---|---|
| | 87 | 5.1 | -5.1 | -.3 |
| | 101 | 7.6 | -7.4 | 1.5 |
| | 105 | 10.3 | -10.0 | 2.6 |
| | 102 | 11.1 | -10.8 | 2.3 |
| | 102 | 11.8 | -11.5 | 2.4 |
| | 102 | 13.6 | -13.3 | 2.8 |
| | 104 | 15.2 | -14.8 | 3.6 |
| | 111 | 14.3 | -13.4 | 5.1 |
| | 121 | 11.1 | -9.5 | 5.8 |
| | 129 | 8.1 | -6.3 | 5.1 |

3/22 2120 GMT

| | | | | |
|---|---|---|---|---|
| | 113 | 10.9 | -10.0 | 4.3 |
| | 110 | 13.5 | -12.7 | 4.5 |
| | 103 | 14.2 | -13.8 | 3.2 |
| | 100 | 13.4 | -13.1 | 2.4 |
| | 102 | 12.4 | -12.2 | 2.5 |
| | 100 | 12.3 | -12.1 | 2.2 |
| | 97 | 12.7 | -12.6 | 1.5 |
| | 92 | 12.1 | -12.0 | .5 |
| | 90 | 9.9 | -9.9 | -.0 |
| | 95 | 7.9 | -7.9 | .7 |

3/23 030 GMT

| | | | | | |
|---|---|---|---|---|---|
| | 113 | 7.0 | -6.4 | 2.7 | 2500 |
| | 114 | 8.7 | -8.0 | 3.6 | 2250 |
| | 107 | 11.1 | -10.6 | 3.2 | 2000 |
| | 101 | 12.8 | -12.6 | 2.3 | 1750 |
| | 100 | 14.0 | -13.8 | 2.4 | 1500 |
| | 101 | 14.9 | -14.6 | 2.8 | 1250 |
| | 97 | 15.1 | -15.0 | 1.8 | 1000 |
| | 91 | 13.5 | -13.5 | .2 | 750 |
| | 92 | 10.2 | -10.2 | .4 | 500 |
| | 106 | 7.8 | -7.5 | 2.2 | 250 |

3/23 3 0 GMT

| | | | | |
|---|---|---|---|---|
| 2500 | 118 | 8.4 | -7.4 | 3.9 |
| 2250 | 114 | 9.2 | -8.4 | 3.8 |
| 2000 | 104 | 12.0 | -11.6 | 2.9 |
| 1750 | 101 | 15.0 | -14.7 | 2.8 |
| 1500 | 101 | 17.2 | -16.9 | 3.3 |
| 1250 | 99 | 17.5 | -17.3 | 2.7 |
| 1000 | 96 | 15.4 | -15.4 | 1.5 |
| 750 | 97 | 12.1 | -12.0 | 1.4 |
| 500 | 103 | 9.3 | -9.0 | 2.1 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 |

3/23 6 0 GMT

| | | | | |
|---|---|---|---|---|
| | 103 | 7.7 | -7.5 | 1.7 |
| | 102 | 8.8 | -8.6 | 1.9 |
| | 94 | 12.9 | -12.9 | .8 |
| | 95 | 16.1 | -16.0 | 1.3 |
| | 98 | 16.1 | -15.9 | 2.3 |
| | 98 | 15.8 | -15.6 | 2.3 |
| | 96 | 16.2 | -16.1 | 1.6 |
| | 95 | 15.9 | -15.8 | 1.5 |
| | 100 | 12.9 | -12.7 | 2.1 |
| | 111 | 8.4 | -7.8 | 3.0 |

3/23 9 0 GMT

| | | | | |
|---|---|---|---|---|
| | 81 | 10.5 | -10.3 | -1.6 |
| | 79 | 12.0 | -11.8 | -2.3 |
| | 79 | 13.1 | -12.9 | -2.5 |
| | 86 | 14.6 | -14.5 | -.9 |
| | 95 | 16.6 | -16.6 | 1.4 |
| | 98 | 17.6 | -17.4 | 2.6 |
| | 100 | 17.4 | -17.2 | 3.1 |
| | 106 | 15.1 | -14.5 | 4.1 |
| | 114 | 11.8 | -10.7 | 4.9 |
| 0 | 0 | 0.0 | 0.0 | 0.0 |

3/23 1145 GMT

| | | | | | |
|---|---|---|---|---|---|
| | 80 | 9.4 | -9.2 | -1.6 | 2500 |
| | 83 | 10.1 | -10.0 | -1.3 | 2250 |
| | 91 | 10.9 | -10.9 | .2 | 2000 |
| | 94 | 12.6 | -12.5 | .8 | 1750 |
| | 99 | 15.1 | -14.9 | 2.4 | 1500 |
| | 100 | 16.2 | -16.0 | 2.8 | 1250 |
| | 93 | 14.5 | -14.5 | .7 | 1000 |
| | 90 | 13.0 | -13.0 | -.0 | 750 |
| | 97 | 11.5 | -11.4 | 1.5 | 500 |
| | 106 | 8.7 | -8.3 | 2.3 | 250 |

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/23 15 0 GMT | | | | | 3/23 1745 GMT | | | | | 3/23 2039 GMT | | | | | 3/24 0 7 GMT | | | | |
| 2500 | | 84 | 9.4 | -9.4 | -1.0 | | 99 | 8.0 | -7.9 | 1.3 | | 89 | 8.7 | -8.7 | -.2 | | 113 | 11.8 | -10.8 | 4.7 | 2500 |
| 2250 | | 89 | 10.5 | -10.5 | -.2 | | 94 | 11.2 | -11.2 | .7 | | 98 | 11.8 | -11.7 | 1.5 | | 102 | 13.3 | -13.1 | 2.7 | 2250 |
| 2000 | | 93 | 12.2 | -12.2 | .6 | | 97 | 13.2 | -13.1 | 1.5 | | 98 | 13.9 | -13.7 | 2.0 | | 90 | 14.4 | -14.4 | -.1 | 2000 |
| 1750 | | 97 | 14.2 | -14.1 | 1.8 | | 98 | 14.8 | -14.7 | 2.1 | | 98 | 14.9 | -14.8 | 2.0 | | 91 | 14.1 | -14.1 | .2 | 1750 |
| 1500 | | 98 | 14.6 | -14.4 | 2.0 | | 97 | 15.2 | -15.1 | 1.8 | | 95 | 15.3 | -15.2 | 1.4 | | 97 | 13.8 | -13.7 | 1.7 | 1500 |
| 1250 | | 88 | 12.9 | -12.9 | -.4 | | 91 | 14.1 | -14.1 | .1 | | 89 | 14.3 | -14.3 | -.1 | | 92 | 14.2 | -14.1 | .6 | 1250 |
| 1000 | | 82 | 12.1 | -12.0 | -1.7 | | 82 | 12.8 | -12.7 | -1.9 | | 87 | 13.1 | -13.0 | -.6 | | 86 | 15.2 | -15.1 | -1.0 | 1000 |
| 750 | | 92 | 12.1 | -12.1 | .4 | | 85 | 11.5 | -11.4 | -.9 | | 97 | 12.5 | -12.5 | 1.5 | | 88 | 15.0 | -15.0 | -.5 | 750 |
| 500 | | 103 | 11.2 | -10.9 | 2.6 | | 103 | 9.5 | -9.3 | 2.1 | | 107 | 10.9 | -10.4 | 3.2 | | 96 | 12.5 | -12.4 | 1.3 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 9.2 | -8.6 | 3.2 | 250 |
| | | 3/24 3 0 GMT | | | | | 3/24 9 0 GMT | | | | | 3/24 12 0 GMT | | | | | 3/24 1750 GMT | | | | |
| 2500 | | 99 | 12.6 | -12.5 | 1.9 | | 94 | 11.3 | -11.3 | .8 | | 86 | 10.8 | -10.8 | -.7 | | 94 | 10.5 | -10.5 | .8 | 2500 |
| 2250 | | 91 | 12.5 | -12.5 | .2 | | 88 | 12.5 | -12.5 | -.5 | | 90 | 12.1 | -12.1 | -.1 | | 87 | 12.3 | -12.3 | -.5 | 2250 |
| 2000 | | 88 | 14.2 | -14.2 | -.4 | | 89 | 14.5 | -14.5 | -.2 | | 93 | 14.1 | -14.1 | .7 | | 90 | 15.1 | -15.1 | -.0 | 2000 |
| 1750 | | 90 | 16.1 | -16.1 | .1 | | 93 | 16.2 | -16.2 | .9 | | 93 | 16.2 | -16.2 | .8 | | 93 | 17.2 | -17.2 | 1.0 | 1750 |
| 1500 | | 90 | 16.0 | -16.0 | .0 | | 96 | 17.4 | -17.3 | 1.7 | | 91 | 18.4 | -18.4 | .4 | | 94 | 17.7 | -17.6 | 1.2 | 1500 |
| 1250 | | 88 | 15.5 | -15.5 | -.5 | | 93 | 18.4 | -18.4 | 1.0 | | 89 | 18.8 | -18.8 | -.2 | | 88 | 16.6 | -16.6 | -.6 | 1250 |
| 1000 | | 88 | 16.3 | -16.3 | -.7 | | 89 | 18.1 | -18.1 | -.3 | | 89 | 16.0 | -16.0 | -.4 | | 82 | 14.0 | -13.8 | -2.0 | 1000 |
| 750 | | 89 | 16.3 | -16.3 | -.2 | | 92 | 14.8 | -14.8 | .4 | | 91 | 12.7 | -12.7 | .3 | | 83 | 11.3 | -11.2 | -1.3 | 750 |
| 500 | | 96 | 13.5 | -13.4 | 1.5 | | 103 | 11.2 | -10.9 | 2.6 | | 98 | 10.2 | -10.1 | 1.5 | | 90 | 8.8 | -8.8 | -.1 | 500 |
| 250 | | 104 | 10.1 | -9.8 | 2.5 | | 110 | 9.9 | -9.3 | 3.4 | | 113 | 7.6 | -7.0 | 3.0 | | 98 | 6.2 | -6.1 | .9 | 250 |
| | | 3/25 0 1 GMT | | | | | 3/25 6 0 GMT | | | | | 3/25 12 5 GMT | | | | | 3/25 1736 GMT | | | | |
| 2500 | | 102 | 9.9 | -9.7 | 2.0 | | 95 | 9.7 | -9.7 | .9 | | 85 | 7.5 | -7.5 | -.6 | | 77 | 7.5 | -7.3 | -1.6 | 2500 |
| 2250 | | 96 | 12.1 | -12.1 | 1.2 | | 86 | 10.4 | -10.4 | -.7 | | 85 | 10.0 | -10.0 | -.9 | | 82 | 11.3 | -11.1 | -1.7 | 2250 |
| 2000 | | 89 | 14.4 | -14.3 | -.3 | | 81 | 11.5 | -11.3 | -1.8 | | 92 | 12.0 | -12.0 | .3 | | 89 | 14.3 | -14.3 | -.2 | 2000 |
| 1750 | | 87 | 16.5 | -16.5 | -.8 | | 84 | 12.6 | -12.6 | -1.4 | | 95 | 11.9 | -11.8 | 1.1 | | 95 | 16.0 | -15.9 | 1.4 | 1750 |
| 1500 | | 90 | 17.5 | -17.5 | .1 | | 85 | 12.7 | -12.7 | -1.1 | | 96 | 12.0 | -11.9 | 1.2 | | 95 | 17.0 | -16.9 | 1.4 | 1500 |
| 1250 | | 88 | 16.3 | -16.3 | -.5 | | 77 | 12.5 | -12.1 | -2.8 | | 92 | 13.3 | -13.3 | .4 | | 90 | 15.3 | -15.3 | .1 | 1250 |
| 1000 | | 81 | 13.5 | -13.3 | -2.0 | | 70 | 11.8 | -11.1 | -4.1 | | 83 | 12.7 | -12.6 | -1.5 | | 86 | 11.8 | -11.8 | -.8 | 1000 |
| 750 | | 77 | 10.9 | -10.6 | -2.5 | | 77 | 10.3 | -10.0 | -2.3 | | 78 | 10.5 | -10.3 | -2.1 | | 89 | 9.2 | -9.2 | -.1 | 750 |
| 500 | | 83 | 8.8 | -8.8 | -1.1 | | 92 | 9.1 | -9.1 | .3 | | 87 | 8.1 | -8.1 | -.4 | | 102 | 7.4 | -7.3 | 1.6 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 100 | 8.2 | -8.1 | 1.5 | | 102 | 6.3 | -6.1 | 1.3 | | 122 | 6.7 | -5.7 | 3.6 | 250 |
| | | 3/25 2140 GMT | | | | | 3/27 010 GMT | | | | | 3/27 635 GMT | | | | | 3/27 1150 GMT | | | | |
| 2500 | | 88 | 6.6 | -6.6 | -.2 | | 86 | 12.6 | -12.6 | -.9 | | 88 | 14.1 | -14.1 | -.4 | | 93 | 14.2 | -14.2 | .8 | 2500 |
| 2250 | | 82 | 9.4 | -9.3 | -1.2 | | 89 | 13.8 | -13.8 | -.2 | | 86 | 13.2 | -13.2 | -.8 | | 91 | 15.3 | -15.3 | .4 | 2250 |
| 2000 | | 89 | 12.6 | -12.6 | -.3 | | 88 | 13.2 | -13.2 | -.5 | | 86 | 13.4 | -13.3 | -1.0 | | 90 | 14.5 | -14.5 | .1 | 2000 |
| 1750 | | 91 | 15.3 | -15.2 | .3 | | 83 | 12.5 | -12.4 | -1.5 | | 84 | 14.1 | -14.0 | -1.4 | | 88 | 13.1 | -13.1 | -.4 | 1750 |
| 1500 | | 88 | 15.3 | -15.3 | -.4 | | 80 | 13.6 | -13.3 | -2.5 | | 84 | 14.8 | -14.7 | -1.5 | | 83 | 13.5 | -13.4 | -1.6 | 1500 |
| 1250 | | 80 | 12.1 | -11.9 | -2.2 | | 82 | 14.6 | -14.5 | -2.1 | | 89 | 15.5 | -15.4 | -.3 | | 84 | 15.1 | -15.0 | -1.5 | 1250 |
| 1000 | | 76 | 9.9 | -9.6 | -2.4 | | 88 | 15.1 | -15.1 | -.5 | | 93 | 16.1 | -16.1 | .7 | | 89 | 14.8 | -14.8 | -.2 | 1000 |
| 750 | | 91 | 8.4 | -8.4 | .1 | | 95 | 14.6 | -14.5 | 1.4 | | 94 | 15.3 | -15.2 | 1.1 | | 90 | 11.3 | -11.3 | .1 | 750 |
| 500 | | 112 | 6.8 | -6.3 | 2.5 | | 101 | 12.1 | -11.8 | 2.3 | | 96 | 12.0 | -11.9 | 1.2 | | 89 | 7.2 | -7.2 | -.1 | 500 |
| 250 | | 122 | 5.9 | -5.1 | 3.1 | | 105 | 8.6 | -8.3 | 2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 6.3 | -6.3 | -.5 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/27 20 6 GMT | | | | | 3/27 2350 GMT | | | | | 3/28 545 GMT | | | | | 3/28 1155 GMT | | | | |
| 2500 | | 79 | 15.1 | -14.8 | -2.9 | | 87 | 11.4 | -11.4 | -.6 | | 80 | 10.5 | -10.3 | -1.8 | | 81 | 11.1 | -10.9 | -1.8 | 2500 |
| 2250 | | 79 | 14.2 | -14.0 | -2.6 | | 84 | 10.6 | -10.6 | -1.2 | | 80 | 10.8 | -10.6 | -2.0 | | 81 | 9.4 | -9.3 | -1.4 | 2250 |
| 2000 | | 81 | 14.4 | -14.2 | -2.1 | | 78 | 10.5 | -10.3 | -2.1 | | 76 | 11.7 | -11.4 | -2.8 | | 80 | 9.8 | -9.7 | -1.7 | 2000 |
| 1750 | | 84 | 15.8 | -15.7 | -1.7 | | 79 | 12.6 | -12.4 | -2.5 | | 73 | 12.3 | -11.7 | -3.5 | | 80 | 10.9 | -10.7 | -1.8 | 1750 |
| 1500 | | 83 | 15.9 | -15.7 | -1.9 | | 81 | 14.5 | -14.3 | -2.3 | | 79 | 12.6 | -12.4 | -2.4 | | 82 | 11.2 | -11.1 | -1.6 | 1500 |
| 1250 | | 88 | 14.8 | -14.8 | -.5 | | 83 | 14.0 | -13.9 | -1.6 | | 84 | 13.8 | -13.7 | -1.4 | | 82 | 10.6 | -10.5 | -1.4 | 1250 |
| 1000 | | 99 | 14.2 | -14.0 | 2.3 | | 89 | 11.9 | -11.9 | -.2 | | 83 | 14.8 | -14.6 | -1.9 | | 81 | 9.9 | -9.8 | -1.5 | 1000 |
| 750 | | 103 | 12.8 | -12.4 | 2.8 | | 97 | 9.5 | -9.4 | 1.1 | | 83 | 14.2 | -14.1 | -1.7 | | 89 | 9.2 | -9.2 | -.2 | 750 |
| 500 | | 100 | 9.9 | -9.7 | 1.8 | | 100 | 7.4 | -7.3 | 1.3 | | 88 | 11.2 | -11.2 | -.5 | | 102 | 7.8 | -7.6 | 1.7 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 104 | 5.7 | -5.5 | 1.4 | | 94 | 7.4 | -7.3 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/28 15 0 GMT | | | | | 3/28 1750 GMT | | | | | 3/28 21 0 GMT | | | | | 3/29 0 0 GMT | | | | |
| 2500 | | 86 | 9.9 | -9.9 | -.7 | | 82 | 10.5 | -10.4 | -1.4 | | 74 | 10.6 | -10.2 | -3.0 | | 77 | 9.1 | -8.9 | -2.0 | 2500 |
| 2250 | | 76 | 9.6 | -9.3 | -2.3 | | 88 | 8.9 | -8.9 | -.3 | | 83 | 9.1 | -9.0 | -1.0 | | 88 | 8.5 | -8.5 | -.3 | 2250 |
| 2000 | | 72 | 9.4 | -8.9 | -2.9 | | 82 | 8.7 | -8.6 | -1.1 | | 90 | 9.2 | -9.2 | .0 | | 84 | 8.7 | -8.7 | -.9 | 2000 |
| 1750 | | 80 | 9.7 | -9.5 | -1.6 | | 78 | 9.9 | -9.7 | -2.0 | | 88 | 11.0 | -11.0 | -.4 | | 80 | 10.5 | -10.3 | -1.8 | 1750 |
| 1500 | | 92 | 10.5 | -10.5 | .4 | | 83 | 10.9 | -10.8 | -1.3 | | 85 | 12.4 | -12.3 | -1.1 | | 83 | 12.0 | -11.9 | -1.5 | 1500 |
| 1250 | | 92 | 10.3 | -10.3 | .3 | | 89 | 11.0 | -11.0 | -.3 | | 96 | 12.9 | -12.8 | 1.4 | | 86 | 12.3 | -12.3 | -.8 | 1250 |
| 1000 | | 82 | 9.9 | -9.8 | -1.4 | | 92 | 10.7 | -10.7 | .4 | | 99 | 12.6 | -12.5 | 1.9 | | 89 | 11.8 | -11.8 | -.2 | 1000 |
| 750 | | 82 | 10.0 | -9.9 | -1.4 | | 94 | 10.9 | -10.8 | .8 | | 85 | 11.3 | -11.2 | -1.1 | | 93 | 11.7 | -11.7 | .6 | 750 |
| 500 | | 92 | 9.5 | -9.5 | .4 | | 99 | 10.5 | -10.4 | 1.6 | | 99 | 9.7 | -9.5 | 1.5 | | 97 | 11.2 | -11.1 | 1.4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 110 | 8.7 | -8.2 | 2.9 | | 116 | 9.1 | -8.2 | 4.0 | | 102 | 9.0 | -8.8 | 1.8 | 250 |
| | | 3/29 250 GMT | | | | | 3/29 6 0 GMT | | | | | 3/29 9 0 GMT | | | | | 3/29 12 0 GMT | | | | |
| 2500 | | 77 | 8.9 | -8.6 | -2.1 | | 75 | 9.7 | -9.3 | -2.5 | | 75 | 10.8 | -10.4 | -2.8 | | 78 | 10.4 | -10.1 | -2.2 | 2500 |
| 2250 | | 85 | 9.1 | -9.0 | -.8 | | 78 | 9.7 | -9.5 | -2.0 | | 74 | 11.4 | -11.0 | -3.2 | | 83 | 10.3 | -10.2 | -1.3 | 2250 |
| 2000 | | 85 | 9.0 | -8.9 | -.8 | | 81 | 10.5 | -10.4 | -1.6 | | 85 | 12.2 | -12.2 | -1.1 | | 87 | 10.8 | -10.8 | -.5 | 2000 |
| 1750 | | 87 | 9.9 | -9.9 | -.5 | | 90 | 10.9 | -10.9 | -.1 | | 95 | 13.5 | -13.4 | 1.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1750 |
| 1500 | | 91 | 12.0 | -12.0 | .3 | | 93 | 12.4 | -12.4 | .7 | | 93 | 13.7 | -13.6 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1500 |
| 1250 | | 94 | 12.9 | -12.9 | .8 | | 91 | 13.7 | -13.7 | .3 | | 86 | 13.0 | -13.0 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1250 |
| 1000 | | 96 | 12.1 | -12.1 | 1.2 | | 91 | 13.0 | -13.0 | .2 | | 83 | 12.0 | -11.9 | -1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1000 |
| 750 | | 99 | 10.6 | -10.5 | 1.6 | | 92 | 10.8 | -10.8 | .4 | | 83 | 11.3 | -11.2 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 750 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 93 | 8.6 | -8.6 | .5 | | 87 | 10.5 | -10.5 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 97 | 7.4 | -7.4 | .9 | | 97 | 9.0 | -8.9 | 1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/29 1750 GMT | | | | | 3/29 2345 GMT | | | | | 3/30 6 0 GMT | | | | | 3/30 1220 GMT | | | | |
| 2500 | | 84 | 12.6 | -12.5 | -1.3 | | 85 | 10.2 | -10.2 | -.8 | | 94 | 12.0 | -12.0 | .9 | | 97 | 11.1 | -11.1 | 1.4 | 2500 |
| 2250 | | 90 | 13.1 | -13.1 | -.1 | | 85 | 9.9 | -9.8 | -.8 | | 93 | 13.8 | -13.8 | .7 | | 91 | 11.5 | -11.4 | .2 | 2250 |
| 2000 | | 93 | 11.5 | -11.5 | .5 | | 92 | 11.2 | -11.2 | .4 | | 91 | 14.0 | -14.0 | .2 | | 87 | 11.8 | -11.8 | -.5 | 2000 |
| 1750 | | 93 | 10.8 | -10.8 | .6 | | 96 | 11.6 | -11.5 | 1.1 | | 91 | 11.6 | -11.6 | .1 | | 84 | 13.1 | -13.0 | -1.4 | 1750 |
| 1500 | | 90 | 14.4 | -14.4 | .1 | | 90 | 12.0 | -12.0 | -.1 | | 88 | 10.9 | -10.8 | -.5 | | 83 | 14.7 | -14.6 | -1.7 | 1500 |
| 1250 | | 87 | 16.8 | -16.7 | -.8 | | 86 | 14.2 | -14.2 | -1.1 | | 88 | 15.3 | -15.3 | -.6 | | 84 | 15.2 | -15.1 | -1.5 | 1250 |
| 1000 | | 88 | 14.6 | -14.6 | -.6 | | 85 | 15.0 | -14.9 | -1.4 | | 87 | 16.4 | -16.4 | -.8 | | 86 | 15.1 | -15.0 | -1.2 | 1000 |
| 750 | | 91 | 12.9 | -12.9 | .3 | | 83 | 13.5 | -13.4 | -1.6 | | 82 | 12.7 | -12.6 | -1.8 | | 86 | 14.6 | -14.6 | -1.1 | 750 |
| 500 | | 92 | 12.5 | -12.5 | .5 | | 82 | 11.3 | -11.2 | -1.6 | | 80 | 8.8 | -8.7 | -1.6 | | 87 | 12.2 | -12.2 | -.5 | 500 |
| 250 | | 94 | 10.2 | -10.2 | .8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 83 | 7.9 | -7.9 | -1.0 | | 95 | 9.2 | -9.2 | .9 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3/30 1755 GMT | | | | | 3/31 0 2 GMT | | | | | 3/31 655 GMT | | | | | 3/31 12 0 GMT | | | | |
| 2500 | | 82 | 11.9 | -11.8 | -1.6 | | 73 | 11.3 | -10.8 | -3.3 | | 75 | 13.6 | -13.1 | -3.6 | | 72 | 11.9 | -11.4 | -3.6 | 2500 |
| 2250 | | 82 | 14.0 | -13.9 | -2.0 | | 70 | 12.5 | -11.7 | -4.3 | | 77 | 14.0 | -13.6 | -3.2 | | 71 | 12.4 | -11.7 | -4.1 | 2250 |
| 2000 | | 85 | 15.1 | -15.0 | -1.4 | | 71 | 12.9 | -12.2 | -4.2 | | 70 | 13.6 | -12.8 | -4.7 | | 65 | 11.8 | -10.7 | -5.1 | 2000 |
| 1750 | | 81 | 15.5 | -15.3 | -2.4 | | 71 | 13.3 | -12.6 | -4.4 | | 70 | 13.8 | -13.0 | -4.7 | | 55 | 10.0 | -8.2 | -5.8 | 1750 |
| 1500 | | 72 | 15.0 | -14.3 | -4.7 | | 61 | 14.3 | -12.5 | -7.0 | | 71 | 13.3 | -12.6 | -4.4 | | 59 | 10.6 | -9.1 | -5.5 | 1500 |
| 1250 | | 70 | 13.1 | -12.3 | -4.5 | | 56 | 14.8 | -12.4 | -8.2 | | 67 | 12.5 | -11.5 | -4.8 | | 73 | 10.9 | -10.4 | -3.2 | 1250 |
| 1000 | | 76 | 12.0 | -11.6 | -2.9 | | 61 | 14.3 | -12.6 | -6.9 | | 66 | 12.3 | -11.2 | -5.1 | | 85 | 8.6 | -8.5 | -.7 | 1000 |
| 750 | | 82 | 11.9 | -11.8 | -1.7 | | 70 | 12.5 | -11.7 | -4.3 | | 73 | 11.6 | -11.1 | -3.5 | | 102 | 7.0 | -6.8 | 1.5 | 750 |
| 500 | | 88 | 10.9 | -10.9 | -.3 | | 80 | 9.8 | -9.6 | -1.8 | | 82 | 10.7 | -10.6 | -1.4 | | 114 | 7.5 | -6.9 | 3.0 | 500 |
| 250 | | 99 | 9.3 | -9.2 | 1.5 | | 86 | 7.3 | -7.3 | -.6 | | 84 | 8.4 | -8.3 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 3/31 1744 GMT | | | | | 4/ 1 0 1 GMT | | | | | 4/ 1 6 0 GMT | | | | | 4/ 1 12 5 GMT | | | | |
| 2500 | | 66 | 12.8 | -11.7 | -5.3 | | 74 | 9.1 | -8.8 | -2.5 | | 86 | 8.8 | -8.8 | -.6 | 2 | 92 | 14.3 | -14.3 | .5 | 2500 |
| 2250 | | 73 | 13.9 | -13.3 | -4.0 | | 74 | 10.8 | -10.4 | -3.0 | | 86 | 9.5 | -9.5 | -.7 | 2 | 82 | 15.6 | -15.5 | -2.1 | 2250 |
| 2000 | | 79 | 13.6 | -13.3 | -2.5 | | 73 | 12.4 | -11.8 | -3.7 | | 81 | 11.2 | -11.1 | -1.8 | 2 | 75 | 16.2 | -15.6 | -4.0 | 2000 |
| 1750 | | 81 | 12.1 | -11.9 | -2.0 | | 70 | 12.3 | -11.6 | -4.2 | | 78 | 14.0 | -13.7 | -2.8 | 2 | 77 | 17.3 | -16.8 | -3.8 | 1750 |
| 1500 | | 73 | 11.0 | -10.5 | -3.3 | | 65 | 11.2 | -10.2 | -4.8 | | 79 | 15.8 | -15.5 | -3.1 | 1 | 80 | 18.1 | -17.8 | -3.2 | 1500 |
| 1250 | | 69 | 11.5 | -10.7 | -4.1 | | 64 | 9.6 | -8.6 | -4.2 | | 79 | 14.8 | -14.5 | -2.9 | | 80 | 17.8 | -17.6 | -3.0 | 1250 |
| 1000 | | 78 | 11.5 | -11.2 | -2.5 | | 80 | 9.6 | -9.4 | -1.7 | | 82 | 12.8 | -12.7 | -1.7 | | 83 | 16.4 | -16.3 | -2.0 | 1000 |
| 750 | | 86 | 10.5 | -10.4 | -.8 | | 97 | 11.4 | -11.4 | 1.4 | | 93 | 12.5 | -12.5 | .7 | | 89 | 14.3 | -14.3 | -.4 | 750 |
| 500 | | 93 | 9.5 | -9.5 | .4 | | 111 | 11.2 | -10.5 | 3.9 | | 105 | 12.1 | -11.6 | 3.2 | | 93 | 11.7 | -11.7 | .6 | 500 |
| 250 | | 106 | 8.8 | -8.5 | 2.5 | | 123 | 8.1 | -6.7 | 4.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 1 15 5 GMT | | | | | 4/ 1 1756 GMT | | | | | 4/ 1 2035 GMT | | | | | 4/ 1 2348 GMT | | | | |
| 2500 | | 93 | 16.5 | -16.5 | .9 | | 95 | 15.7 | -15.7 | 1.3 | | 90 | 14.0 | -14.0 | .0 | | 94 | 9.9 | -9.9 | .8 | 2500 |
| 2250 | | 84 | 17.9 | -17.8 | -1.8 | | 87 | 15.5 | -15.5 | -.8 | | 81 | 13.6 | -13.4 | -2.0 | | 79 | 10.7 | -10.5 | -2.0 | 2250 |
| 2000 | | 84 | 17.9 | -17.8 | -2.0 | | 83 | 13.7 | -13.6 | -1.6 | | 78 | 14.7 | -14.3 | -3.1 | | 72 | 13.3 | -12.6 | -4.1 | 2000 |
| 1750 | | 85 | 17.9 | -17.8 | -1.4 | | 84 | 14.3 | -14.2 | -1.4 | | 79 | 16.0 | -15.7 | -3.1 | | 71 | 14.9 | -14.1 | -4.8 | 1750 |
| 1500 | | 78 | 18.5 | -18.1 | -3.8 | | 78 | 16.4 | -16.0 | -3.5 | | 73 | 16.0 | -15.3 | -4.7 | | 66 | 14.2 | -13.0 | -5.8 | 1500 |
| 1250 | | 71 | 18.3 | -17.4 | -5.9 | | 75 | 10.9 | -10.5 | -2.8 | | 64 | 15.6 | -14.0 | -6.8 | | 59 | 13.7 | -11.8 | -7.0 | 1250 |
| 1000 | | 73 | 15.9 | -15.2 | -4.5 | | 76 | 9.5 | -9.2 | -2.3 | | 64 | 14.7 | -13.2 | -6.6 | | 59 | 14.0 | -12.0 | -7.2 | 1000 |
| 750 | | 82 | 13.0 | -12.9 | -1.8 | | 79 | 9.8 | -9.6 | -1.8 | | 69 | 13.0 | -12.1 | -4.7 | | 61 | 12.0 | -10.5 | -5.9 | 750 |
| 500 | | 91 | 11.3 | -11.3 | .1 | | 83 | 8.7 | -8.7 | -1.1 | | 73 | 10.8 | -10.3 | -3.1 | | 62 | 8.6 | -7.6 | -4.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 87 | 7.3 | -7.3 | -.4 | | 76 | 9.2 | -8.9 | -2.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 2 3 0 GMT | | | | | 4/ 2 550 GMT | | | | | 4/ 2 850 GMT | | | | | 4/ 2 12 6 GMT | | | | |
| 2500 | | 87 | 10.1 | -10.1 | -.5 | | 86 | 11.0 | -11.0 | -.8 | | 85 | 10.9 | -10.9 | -.9 | | 91 | 8.7 | -8.7 | .1 | 2500 |
| 2250 | | 87 | 11.7 | -11.7 | -.6 | | 76 | 12.4 | -12.0 | -3.0 | | 71 | 11.6 | -11.0 | -3.7 | | 74 | 9.6 | -9.2 | -2.6 | 2250 |
| 2000 | | 73 | 12.7 | -12.2 | -3.6 | | 66 | 13.3 | -12.1 | -5.5 | | 77 | 12.6 | -12.2 | -2.9 | | 69 | 10.7 | -10.0 | -3.9 | 2000 |
| 1750 | | 68 | 12.8 | -11.9 | -4.8 | | 71 | 12.5 | -11.8 | -4.1 | | 86 | 14.8 | -14.8 | -1.1 | | 80 | 12.1 | -11.9 | -2.1 | 1750 |
| 1500 | | 72 | 12.0 | -11.4 | -3.6 | | 81 | 12.6 | -12.4 | -2.0 | | 83 | 14.8 | -14.7 | -1.9 | | 81 | 12.9 | -12.7 | -1.9 | 1500 |
| 1250 | | 72 | 11.5 | -10.9 | -3.7 | | 82 | 12.6 | -12.5 | -1.7 | | 77 | 11.7 | -11.4 | -2.7 | | 74 | 10.9 | -10.5 | -2.9 | 1250 |
| 1000 | | 66 | 11.6 | -10.6 | -4.8 | | 79 | 12.3 | -12.1 | -2.4 | | 77 | 10.7 | -10.4 | -2.4 | | 73 | 9.4 | -9.0 | -2.7 | 1000 |
| 750 | | 69 | 10.2 | -9.6 | -3.6 | | 78 | 11.6 | -11.3 | -2.5 | | 85 | 11.1 | -11.1 | -.9 | | 82 | 9.9 | -9.8 | -1.4 | 750 |
| 500 | | 76 | 7.7 | -7.5 | -1.8 | | 87 | 8.9 | -8.9 | -.5 | | 98 | 10.4 | -10.3 | 1.5 | | 89 | 9.7 | -9.7 | -.1 | 500 |
| 250 | | 68 | 7.3 | -6.8 | -2.7 | | 94 | 7.7 | -7.6 | .6 | | 106 | 9.4 | -9.1 | 2.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 2 1846 GMT | | | | | 4/ 2 2346 GMT | | | | | 4/ 3 6 5 GMT | | | | | 4/ 3 1229 GMT | | | | |
| 2500 | | 115 | 6.1 | -5.5 | 2.6 | | 96 | 8.4 | -8.4 | .9 | | 90 | 12.2 | -12.2 | .0 | | 95 | 7.9 | -7.8 | .7 | 2500 |
| 2250 | | 92 | 8.0 | -8.0 | .2 | | 91 | 8.5 | -8.5 | .2 | | 90 | 9.4 | -9.4 | .0 | | 86 | 7.2 | -7.2 | -.5 | 2250 |
| 2000 | | 89 | 11.3 | -11.3 | -.2 | | 99 | 10.8 | -10.6 | 1.6 | | 89 | 8.7 | -8.7 | -.1 | | 85 | 7.5 | -7.5 | -.6 | 2000 |
| 1750 | | 95 | 12.7 | -12.7 | 1.0 | | 99 | 12.2 | -12.0 | 2.0 | | 83 | 10.0 | -9.9 | -1.3 | | 90 | 8.7 | -8.7 | -.0 | 1750 |
| 1500 | | 91 | 11.8 | -11.8 | .1 | | 87 | 10.4 | -10.4 | -.6 | | 76 | 9.8 | -9.5 | -2.4 | | 94 | 9.4 | -9.4 | .7 | 1500 |
| 1250 | | 82 | 11.1 | -11.0 | -1.6 | | 76 | 10.6 | -10.3 | -2.6 | | 76 | 8.8 | -8.5 | -2.1 | | 95 | 7.9 | -7.9 | .7 | 1250 |
| 1000 | | 76 | 10.6 | -10.3 | -2.6 | | 79 | 10.9 | -10.7 | -2.2 | | 79 | 9.0 | -8.8 | -1.6 | | 92 | 5.3 | -5.2 | .2 | 1000 |
| 750 | | 74 | 9.6 | -9.2 | -2.6 | | 81 | 9.5 | -9.4 | -1.5 | | 93 | 6.9 | -6.9 | .4 | | 86 | 3.7 | -3.7 | -.3 | 750 |
| 500 | | 79 | 8.7 | -8.5 | -1.7 | | 84 | 8.3 | -8.3 | -.8 | | 120 | 6.2 | -5.3 | 3.1 | | 84 | 3.3 | -3.2 | -.3 | 500 |
| 250 | | 85 | 7.8 | -7.8 | -.7 | | 94 | 7.3 | -7.3 | .5 | | 74 | 6.2 | -6.0 | -1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 3 1455 GMT | | | | | 4/ 3 1744 GMT | | | | | 4/ 3 2034 GMT | | | | | 4/ 4 015 GMT | | | | |
| 2500 | | 104 | 9.4 | -9.1 | 2.2 | | 101 | 10.0 | -9.8 | 1.9 | | 99 | 9.9 | -9.8 | 1.6 | | 110 | 8.4 | -7.9 | 2.9 | 2500 |
| 2250 | | 96 | 11.1 | -11.0 | 1.2 | | 94 | 11.0 | -10.9 | .8 | | 93 | 11.4 | -11.4 | .6 | | 99 | 10.7 | -10.5 | 1.6 | 2250 |
| 2000 | | 85 | 7.9 | -7.8 | -.7 | | 89 | 10.0 | -10.0 | -.1 | | 82 | 10.7 | -10.7 | -1.4 | | 91 | 10.3 | -10.3 | .1 | 2000 |
| 1750 | | 85 | 5.7 | -5.7 | -.5 | | 82 | 8.2 | -8.2 | -1.1 | | 82 | 10.3 | -10.2 | -1.5 | | 90 | 9.3 | -9.3 | .1 | 1750 |
| 1500 | | 97 | 4.9 | -4.8 | .6 | | 86 | 6.8 | -6.8 | -.5 | | 84 | 10.4 | -10.4 | -1.1 | | 92 | 8.9 | -8.9 | .2 | 1500 |
| 1250 | | 111 | 4.5 | -4.2 | 1.7 | | 97 | 5.7 | -5.6 | .7 | | 79 | 8.3 | -8.1 | -1.6 | | 83 | 8.9 | -8.9 | -1.1 | 1250 |
| 1000 | | 124 | 4.1 | -3.4 | 2.3 | | 107 | 5.3 | -5.0 | 1.6 | | 82 | 6.2 | -6.2 | -.9 | | 71 | 9.7 | -9.1 | -3.2 | 1000 |
| 750 | | 138 | 4.2 | -2.8 | 3.2 | | 114 | 6.0 | -5.5 | 2.5 | | 93 | 7.4 | -7.4 | .4 | | 74 | 9.5 | -9.1 | -2.7 | 750 |
| 500 | | 151 | 5.1 | -2.5 | 4.5 | | 121 | 6.2 | -5.4 | 3.2 | | 97 | 7.9 | -7.8 | 1.0 | | 88 | 8.7 | -8.7 | -.3 | 500 |
| 250 | | 169 | 5.2 | -1.0 | 5.1 | | 134 | 3.6 | -2.6 | 2.5 | | 105 | 6.2 | -6.0 | 1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 4 310 GMT | | | | | 4/ 4 730 GMT | | | | | 4/ 4 1146 GMT | | | | | 4/ 4 1439 GMT | | | | |
| 2500 | | 101 | 8.4 | -8.2 | 1.6 | | 105 | 7.3 | -7.1 | 1.9 | | 118 | 7.1 | -6.3 | 3.4 | | 116 | 6.7 | -6.0 | 2.9 | 2500 |
| 2250 | | 96 | 10.7 | -10.6 | 1.1 | | 98 | 10.2 | -10.1 | 1.4 | | 107 | 9.3 | -8.9 | 2.7 | | 105 | 9.6 | -9.3 | 2.4 | 2250 |
| 2000 | | 95 | 9.1 | -9.1 | .8 | | 89 | 11.0 | -11.0 | -.1 | | 95 | 10.0 | -10.0 | .9 | | 93 | 10.9 | -10.9 | .5 | 2000 |
| 1750 | | 89 | 7.5 | -7.5 | -.2 | | 79 | 9.9 | -9.7 | -2.0 | 3 | 80 | 9.5 | -9.4 | -1.7 | | 80 | 11.0 | -10.8 | -1.9 | 1750 |
| 1500 | | 77 | 8.3 | -8.1 | -1.9 | | 73 | 9.5 | -9.1 | -2.8 | | 70 | 9.9 | -9.4 | -3.3 | | 76 | 11.0 | -10.7 | -2.6 | 1500 |
| 1250 | | 72 | 9.2 | -8.7 | -2.9 | | 69 | 10.0 | -9.3 | -3.5 | | 71 | 10.4 | -9.8 | -3.4 | | 76 | 10.4 | -10.1 | -2.5 | 1250 |
| 1000 | | 74 | 8.9 | -8.5 | -2.4 | | 67 | 9.6 | -8.8 | -3.8 | | 73 | 10.2 | -9.7 | -3.0 | | 72 | 9.3 | -8.9 | -3.0 | 1000 |
| 750 | | 83 | 7.5 | -7.5 | -.9 | | 73 | 8.5 | -8.1 | -2.4 | | 76 | 9.0 | -8.7 | -2.2 | | 69 | 8.2 | -7.7 | -2.9 | 750 |
| 500 | | 95 | 6.3 | -6.2 | .6 | | 82 | 7.4 | -7.3 | -1.0 | | 79 | 7.2 | -7.1 | -1.3 | | 75 | 6.7 | -6.5 | -1.7 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 86 | 7.8 | -7.8 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 4 1743 GMT | | | | | 4/ 4 2355 GMT | | | | | 4/ 5 650 GMT | | | | | 4/ 5 12 0 GMT | | | | |
| 2500 | | 118 | 5.8 | -5.1 | 2.7 | | 117 | 6.4 | -5.7 | 2.9 | | 102 | 7.7 | -7.5 | 1.6 | | 99 | 8.6 | -8.5 | 1.4 | 2500 |
| 2250 | | 101 | 8.3 | -8.1 | 1.5 | | 104 | 8.4 | -8.2 | 2.0 | | 95 | 9.4 | -9.4 | .9 | | 95 | 9.9 | -9.9 | .8 | 2250 |
| 2000 | | 89 | 10.4 | -10.4 | -.3 | | 90 | 10.9 | -10.9 | .1 | | 90 | 10.5 | -10.5 | -.1 | | 94 | 11.2 | -11.2 | .9 | 2000 |
| 1750 | | 81 | 12.1 | -12.0 | -1.9 | | 80 | 11.0 | -10.8 | -1.9 | | 84 | 11.3 | -11.3 | -1.1 | | 88 | 13.6 | -13.6 | -.5 | 1750 |
| 1500 | | 78 | 12.6 | -12.3 | -2.6 | | 73 | 10.3 | -9.8 | -3.0 | | 77 | 12.5 | -12.2 | -2.7 | | 79 | 14.3 | -14.0 | -2.7 | 1500 |
| 1250 | | 75 | 11.0 | -10.6 | -2.8 | | 70 | 11.3 | -10.7 | -3.9 | | 75 | 13.9 | -13.5 | -3.5 | | 75 | 12.3 | -11.9 | -3.2 | 1250 |
| 1000 | | 77 | 9.4 | -9.1 | -2.2 | | 72 | 12.7 | -12.1 | -4.0 | | 71 | 12.9 | -12.3 | -4.2 | | 81 | 10.9 | -10.8 | -1.8 | 1000 |
| 750 | | 84 | 9.3 | -9.3 | -1.0 | | 75 | 12.0 | -11.6 | -3.1 | | 70 | 10.6 | -10.0 | -3.6 | | 85 | 11.0 | -10.9 | -.9 | 750 |
| 500 | | 87 | 8.9 | -8.9 | -.4 | | 79 | 8.5 | -8.4 | -1.7 | | 85 | 9.6 | -9.6 | -.9 | | 85 | 10.0 | -10.0 | -.9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 87 | 6.6 | -6.6 | -.3 | | 95 | 9.2 | -9.2 | .9 | | 90 | 8.0 | -8.0 | .0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 5 1455 GMT | | | | | 4/ 5 18 5 GMT | | | | | 4/ 6 0 5 GMT | | | | | 4/ 6 540 GMT | | | | |
| 2500 | | 109 | 10.4 | -9.8 | 3.4 | | 108 | 11.1 | -10.6 | 3.4 | | 120 | 8.5 | -7.4 | 4.2 | | 106 | 10.6 | -10.2 | 2.9 | 2500 |
| 2250 | | 101 | 11.6 | -11.4 | 2.2 | | 100 | 12.9 | -12.8 | 2.1 | | 101 | 12.5 | -12.3 | 2.4 | | 99 | 14.0 | -13.9 | 2.2 | 2250 |
| 2000 | | 97 | 11.9 | -11.8 | 1.5 | | 95 | 13.0 | -12.9 | 1.2 | | 91 | 14.7 | -14.7 | .1 | | 91 | 15.5 | -15.5 | .3 | 2000 |
| 1750 | | 98 | 13.4 | -13.2 | 1.8 | | 95 | 13.0 | -13.0 | 1.1 | | 87 | 14.2 | -14.2 | -.7 | | 80 | 15.4 | -15.2 | -2.6 | 1750 |
| 1500 | | 94 | 13.9 | -13.8 | 1.0 | | 91 | 13.5 | -13.5 | .2 | | 85 | 13.8 | -13.7 | -1.1 | | 73 | 17.2 | -16.4 | -5.1 | 1500 |
| 1250 | | 77 | 12.7 | -12.4 | -2.9 | | 85 | 13.7 | -13.7 | -1.2 | | 77 | 14.0 | -13.6 | -3.1 | | 70 | 17.7 | -16.6 | -6.1 | 1250 |
| 1000 | | 63 | 13.1 | -11.7 | -5.9 | | 81 | 13.1 | -13.0 | -2.1 | | 69 | 15.1 | -14.1 | -5.3 | | 66 | 15.8 | -14.4 | -6.3 | 1000 |
| 750 | | 67 | 13.4 | -12.3 | -5.3 | | 80 | 11.7 | -11.5 | -2.1 | | 72 | 14.1 | -13.4 | -4.4 | | 67 | 14.4 | -13.2 | -5.6 | 750 |
| 500 | | 75 | 12.5 | -12.0 | -3.3 | | 85 | 9.7 | -9.6 | -.8 | | 81 | 10.8 | -10.7 | -1.6 | | 72 | 12.3 | -11.7 | -3.7 | 500 |
| 250 | | 85 | 10.2 | -10.2 | -.8 | | 98 | 7.9 | -7.8 | 1.2 | | 90 | 9.3 | -9.3 | -.0 | | 78 | 9.4 | -9.2 | -2.0 | 250 |
| | | 4/ 6 1223 GMT | | | | | 4/ 6 15 0 GMT | | | | | 4/ 6 18 0 GMT | | | | | 4/ 6 2030 GMT | | | | |
| 2500 | | 89 | 17.2 | -17.2 | -.3 | | 91 | 16.3 | -16.3 | .4 | | 99 | 18.8 | -18.6 | 2.8 | | 97 | 18.4 | -18.2 | 2.1 | 2500 |
| 2250 | | 85 | 17.5 | -17.4 | -1.7 | | 84 | 15.6 | -15.5 | -1.7 | | 94 | 17.8 | -17.8 | 1.3 | | 91 | 17.5 | -17.5 | .2 | 2250 |
| 2000 | | 81 | 15.4 | -15.2 | -2.5 | | 80 | 13.6 | -13.4 | -2.4 | | 85 | 16.1 | -16.1 | -1.5 | | 85 | 16.0 | -15.9 | -1.4 | 2000 |
| 1750 | | 81 | 13.8 | -13.7 | -2.3 | | 82 | 13.6 | -13.5 | -1.9 | | 76 | 14.9 | -14.5 | -3.6 | | 80 | 15.2 | -15.0 | -2.6 | 1750 |
| 1500 | | 79 | 14.1 | -13.8 | -2.7 | | 79 | 13.8 | -13.5 | -2.6 | | 70 | 14.7 | -13.8 | -5.1 | | 72 | 15.3 | -14.6 | -4.7 | 1500 |
| 1250 | | 74 | 15.6 | -15.0 | -4.4 | | 73 | 13.2 | -12.6 | -3.9 | | 64 | 15.0 | -13.5 | -6.5 | | 66 | 16.5 | -15.0 | -6.7 | 1250 |
| 1000 | | 71 | 16.0 | -15.2 | -5.1 | | 72 | 12.7 | -12.1 | -3.9 | | 65 | 14.2 | -12.9 | -6.0 | | 64 | 17.2 | -15.4 | -7.5 | 1000 |
| 750 | | 76 | 14.7 | -14.2 | -3.5 | | 79 | 11.5 | -11.3 | -2.1 | | 75 | 12.7 | -12.3 | -3.2 | | 66 | 15.6 | -14.2 | -6.4 | 750 |
| 500 | | 83 | 12.1 | -12.0 | -1.6 | | 91 | 9.9 | -9.8 | .2 | | 86 | 11.1 | -11.1 | -.7 | | 73 | 11.7 | -11.2 | -3.5 | 500 |
| 250 | | 83 | 7.1 | -7.0 | -.8 | | 107 | 8.5 | -8.1 | 2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 85 | 7.4 | -7.4 | -.7 | 250 |
| | | 4/ 7 025 GMT | | | | | 4/ 7 3 3 GMT | | | | | 4/ 7 555 GMT | | | | | 4/ 7 835 GMT | | | | |
| 2500 | | 93 | 18.9 | -18.9 | .8 | | 90 | 18.2 | -18.2 | .2 | | 85 | 20.0 | -19.9 | -1.6 | | 84 | 19.7 | -19.5 | -2.1 | 2500 |
| 2250 | | 92 | 20.6 | -20.6 | .7 | | 91 | 16.9 | -16.9 | .4 | | 82 | 17.3 | -17.1 | -2.4 | | 75 | 19.1 | -18.5 | -5.0 | 2250 |
| 2000 | | 89 | 19.7 | -19.7 | -.4 | | 86 | 16.5 | -16.5 | -1.2 | | 75 | 16.2 | -15.6 | -4.2 | | 69 | 18.6 | -17.4 | -6.8 | 2000 |
| 1750 | | 86 | 14.5 | -14.4 | -1.1 | | 78 | 17.3 | -16.9 | -3.5 | | 68 | 17.4 | -16.1 | -6.5 | | 69 | 18.3 | -17.0 | -6.7 | 1750 |
| 1500 | | 76 | 13.9 | -13.5 | -3.3 | | 70 | 18.5 | -17.4 | -6.2 | | 67 | 18.1 | -16.7 | -7.1 | | 70 | 18.5 | -17.3 | -6.5 | 1500 |
| 1250 | | 67 | 16.4 | -15.1 | -6.4 | | 65 | 18.2 | -16.5 | -7.6 | | 70 | 17.9 | -16.9 | -6.1 | | 69 | 18.0 | -16.8 | -6.5 | 1250 |
| 1000 | | 64 | 16.0 | -14.3 | -7.1 | | 66 | 15.1 | -13.8 | -6.2 | | 72 | 17.2 | -16.4 | -5.2 | | 70 | 16.6 | -15.6 | -5.6 | 1000 |
| 750 | | 65 | 13.1 | -11.9 | -5.6 | | 69 | 11.9 | -11.1 | -4.3 | | 74 | 15.1 | -14.5 | -4.1 | | 74 | 14.7 | -14.2 | -4.0 | 750 |
| 500 | | 73 | 9.1 | -8.7 | -2.7 | | 74 | 10.2 | -9.8 | -2.8 | | 75 | 11.7 | -11.3 | -3.0 | | 79 | 11.7 | -11.5 | -2.2 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 77 | 8.0 | -7.8 | -1.8 | | 85 | 6.8 | -6.8 | -.6 | 250 |
| | | 4/ 7 1211 GMT | | | | | 4/ 7 15 0 GMT | | | | | 4/ 7 18 0 GMT | | | | | 4/ 7 2335 GMT | | | | |
| 2500 | | 85 | 17.8 | -17.7 | -1.5 | | 86 | 16.6 | -16.6 | -1.0 | | 91 | 17.3 | -17.3 | .4 | | 96 | 14.7 | -14.6 | 1.4 | 2500 |
| 2250 | | 77 | 16.9 | -16.5 | -3.9 | | 74 | 16.1 | -15.4 | -4.5 | | 77 | 16.5 | -16.1 | -3.8 | | 79 | 15.0 | -14.7 | -3.0 | 2250 |
| 2000 | | 71 | 17.3 | -16.3 | -5.7 | | 67 | 15.8 | -14.6 | -6.1 | | 66 | 15.3 | -14.0 | -6.4 | | 65 | 14.9 | -13.5 | -6.3 | 2000 |
| 1750 | | 71 | 17.7 | -16.7 | -5.8 | | 69 | 17.1 | -15.9 | -6.2 | | 62 | 15.8 | -14.0 | -7.4 | | 55 | 15.7 | -12.9 | -9.0 | 1750 |
| 1500 | | 71 | 17.8 | -16.8 | -5.9 | | 70 | 17.7 | -16.6 | -6.1 | | 62 | 16.8 | -14.8 | -8.0 | | 58 | 16.5 | -14.0 | -8.6 | 1500 |
| 1250 | | 70 | 16.4 | -15.4 | -5.7 | | 70 | 15.5 | -14.6 | -5.2 | | 67 | 15.6 | -14.3 | -6.2 | | 69 | 16.0 | -14.9 | -5.7 | 1250 |
| 1000 | | 75 | 14.4 | -13.9 | -3.8 | | 75 | 13.7 | -13.2 | -3.5 | | 75 | 13.3 | -12.9 | -3.4 | | 76 | 14.9 | -14.5 | -3.5 | 1000 |
| 750 | | 86 | 13.1 | -13.0 | -1.0 | | 82 | 12.8 | -12.7 | -1.7 | | 86 | 12.4 | -12.4 | -.8 | | 86 | 13.8 | -13.7 | -1.0 | 750 |
| 500 | | 94 | 11.4 | -11.4 | .8 | | 92 | 10.5 | -10.5 | .3 | | 100 | 11.7 | -11.5 | 2.1 | | 98 | 10.9 | -10.8 | 1.6 | 500 |
| 250 | | 85 | 8.3 | -8.3 | -.8 | | 109 | 7.7 | -7.3 | 2.5 | | 113 | 9.0 | -8.3 | 3.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/ 8 544 GMT | | | | | 4/ 8 1217 GMT | | | | | 4/ 8 1650 GMT | | | | | 4/ 8 1930 GMT | | | | |
| 2500 | | 83 | 15.5 | -15.4 | -2.0 | | 81 | 13.9 | -13.8 | -2.1 | | 78 | 12.9 | -12.6 | -2.6 | | 86 | 12.5 | -12.5 | -.8 | 2500 |
| 2250 | | 80 | 15.0 | -14.7 | -2.6 | | 69 | 15.2 | -14.2 | -5.6 | | 75 | 15.1 | -14.7 | -3.8 | | 87 | 13.1 | -13.1 | -.7 | 2250 |
| 2000 | | 71 | 14.7 | -13.9 | -4.8 | | 64 | 14.5 | -13.1 | -6.3 | | 76 | 13.9 | -13.5 | -3.4 | | 83 | 13.7 | -13.6 | -1.7 | 2000 |
| 1750 | | 63 | 15.8 | -14.0 | -7.2 | | 67 | 14.1 | -13.0 | -5.6 | | 76 | 13.3 | -12.9 | -3.1 | | 79 | 18.5 | -18.1 | -3.5 | 1750 |
| 1500 | | 66 | 16.4 | -14.9 | -6.7 | | 72 | 15.8 | -15.0 | -4.8 | | 80 | 15.9 | -15.7 | -2.8 | | 75 | 18.6 | -18.0 | -4.8 | 1500 |
| 1250 | | 75 | 16.4 | -15.9 | -4.2 | | 78 | 17.5 | -17.1 | -3.7 | | 81 | 17.8 | -17.6 | -2.7 | | 66 | 14.2 | -13.0 | -5.8 | 1250 |
| 1000 | | 81 | 15.3 | -15.1 | -2.3 | | 82 | 16.6 | -16.5 | -2.4 | | 79 | 15.4 | -15.1 | -3.0 | | 65 | 13.6 | -12.3 | -5.7 | 1000 |
| 750 | | 84 | 11.8 | -11.8 | -1.2 | | 87 | 13.6 | -13.6 | -.8 | | 80 | 13.0 | -12.8 | -2.3 | | 85 | 14.0 | -14.0 | -1.2 | 750 |
| 500 | | 93 | 8.8 | -8.8 | .5 | | 95 | 10.6 | -10.5 | .9 | | 90 | 11.9 | -11.9 | .0 | | 103 | 13.4 | -13.1 | 3.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 9.1 | -8.9 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/ 8 2346 GMT | | | | | 4/ 9 210 GMT | | | | | 4/ 9 525 GMT | | | | | 4/ 9 12 0 GMT | | | | |
| 2500 | | 80 | 13.2 | -13.0 | -2.2 | | 77 | 12.1 | -11.8 | -2.6 | 2 | 69 | 8.6 | -8.0 | -3.1 | | 84 | 8.3 | -8.3 | -.8 | 2500 |
| 2250 | | 78 | 15.4 | -15.1 | -3.2 | | 73 | 15.2 | -14.5 | -4.6 | 2 | 66 | 18.7 | -17.0 | -7.7 | | 88 | 12.7 | -12.7 | -.4 | 2250 |
| 2000 | | 79 | 15.5 | -15.2 | -2.9 | | 71 | 15.6 | -14.7 | -5.0 | 2 | 71 | 20.2 | -19.1 | -6.7 | | 88 | 14.4 | -14.4 | -.4 | 2000 |
| 1750 | | 83 | 17.3 | -17.1 | -2.0 | | 74 | 15.2 | -14.7 | -4.2 | 2 | 74 | 17.0 | -16.4 | -4.6 | | 89 | 14.1 | -14.1 | -.2 | 1750 |
| 1500 | | 82 | 17.9 | -17.7 | -2.5 | | 73 | 15.5 | -14.9 | -4.5 | 2 | 74 | 18.0 | -17.3 | -5.0 | | 90 | 15.2 | -15.2 | -.1 | 1500 |
| 1250 | | 74 | 15.4 | -14.8 | -4.3 | | 69 | 15.2 | -14.2 | -5.4 | 3 | 72 | 15.8 | -15.0 | -5.0 | | 92 | 16.5 | -16.4 | .6 | 1250 |
| 1000 | | 72 | 13.7 | -13.1 | -4.2 | | 73 | 14.0 | -13.5 | -4.0 | | 77 | 13.4 | -13.0 | -3.0 | | 95 | 15.2 | -15.2 | 1.3 | 1000 |
| 750 | | 86 | 13.1 | -13.1 | -1.0 | | 87 | 12.8 | -12.8 | -.8 | | 93 | 11.9 | -11.8 | .7 | | 94 | 12.8 | -12.8 | .8 | 750 |
| 500 | | 100 | 11.2 | -11.0 | 1.9 | | 100 | 11.4 | -11.2 | 2.0 | | 105 | 9.6 | -9.3 | 2.4 | | 92 | 10.6 | -10.6 | .4 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 98 | 8.6 | -8.5 | 1.2 | 250 |
| | | 4/10 540 GMT | | | | | 4/10 1151 GMT | | | | | 4/10 1643 GMT | | | | | 4/10 1933 GMT | | | | |
| 2500 | | 114 | 5.1 | -4.6 | 2.1 | | 77 | 1.3 | -1.3 | -.3 | | 244 | 1.5 | 1.3 | .6 | | 252 | 1.5 | 1.5 | .5 | 2500 |
| 2250 | | 102 | 10.6 | -10.4 | 2.2 | | 101 | 6.3 | -6.2 | 1.2 | | 120 | 4.8 | -4.2 | 2.4 | | 130 | 4.2 | -3.3 | 2.7 | 2250 |
| 2000 | | 97 | 13.2 | -13.1 | 1.7 | | 95 | 10.9 | -10.9 | .9 | | 108 | 9.5 | -9.0 | 2.9 | | 113 | 9.0 | -8.2 | 3.5 | 2000 |
| 1750 | | 98 | 12.6 | -12.5 | 1.7 | | 96 | 13.2 | -13.1 | 1.5 | | 106 | 12.4 | -11.9 | 3.5 | | 114 | 11.7 | -10.7 | 4.8 | 1750 |
| 1500 | | 100 | 11.2 | -11.1 | 1.9 | | 102 | 12.9 | -12.6 | 2.7 | | 109 | 13.2 | -12.4 | 4.4 | | 120 | 12.2 | -10.5 | 6.1 | 1500 |
| 1250 | | 100 | 9.7 | -9.6 | 1.7 | | 106 | 11.1 | -10.7 | 3.1 | | 113 | 12.6 | -11.7 | 4.9 | | 120 | 11.8 | -10.2 | 6.0 | 1250 |
| 1000 | | 95 | 8.7 | -8.7 | .7 | | 107 | 9.2 | -8.8 | 2.7 | | 115 | 11.4 | -10.4 | 4.8 | | 115 | 11.2 | -10.1 | 4.8 | 1000 |
| 750 | | 88 | 8.1 | -8.1 | -.2 | | 108 | 7.6 | -7.3 | 2.4 | | 116 | 9.0 | -8.1 | 3.9 | | 115 | 9.3 | -8.5 | 3.9 | 750 |
| 500 | | 90 | 6.8 | -6.8 | .0 | | 117 | 5.4 | -4.8 | 2.5 | | 115 | 5.7 | -5.1 | 2.4 | | 118 | 7.1 | -6.2 | 3.3 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 156 | 3.3 | -1.4 | 3.0 | | 109 | 4.2 | -4.0 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/10 2250 GMT | | | | | 4/11 142 GMT | | | | | 4/11 5 0 GMT | | | | | 4/11 1133 GMT | | | | |
| 2500 | | 212 | 1.0 | .5 | .8 | | 236 | 1.7 | 1.4 | 1.0 | | 247 | 2.6 | 2.4 | 1.0 | | 278 | 1.7 | 1.7 | -.2 | 2500 |
| 2250 | | 122 | 5.5 | -4.7 | 2.9 | | 135 | 4.5 | -3.2 | 3.1 | | 152 | 5.0 | -2.4 | 4.4 | | 154 | 3.6 | -1.6 | 3.2 | 2250 |
| 2000 | | 109 | 9.1 | -8.6 | 3.0 | | 114 | 8.5 | -7.7 | 3.5 | | 126 | 9.2 | -7.4 | 5.4 | | 131 | 9.0 | -6.8 | 5.9 | 2000 |
| 1750 | | 106 | 10.3 | -9.9 | 2.9 | 3 | 108 | 12.3 | -11.7 | 3.8 | | 111 | 12.6 | -11.8 | 4.5 | | 116 | 13.0 | -11.7 | 5.6 | 1750 |
| 1500 | | 115 | 10.2 | -9.3 | 4.3 | | 111 | 14.6 | -13.6 | 5.2 | | 108 | 13.5 | -12.8 | 4.1 | | 111 | 13.5 | -12.6 | 4.9 | 1500 |
| 1250 | | 121 | 10.6 | -9.1 | 5.4 | | 114 | 13.9 | -12.7 | 5.6 | | 110 | 12.7 | -11.9 | 4.3 | | 109 | 11.9 | -11.3 | 3.8 | 1250 |
| 1000 | | 121 | 11.0 | -9.4 | 5.7 | | 115 | 10.5 | -9.5 | 4.5 | | 105 | 10.4 | -10.0 | 2.8 | | 99 | 10.0 | -9.8 | 1.5 | 1000 |
| 750 | | 123 | 10.4 | -8.8 | 5.7 | | 118 | 7.0 | -6.2 | 3.3 | | 104 | 7.4 | -7.2 | 1.8 | | 89 | 8.1 | -8.1 | -.1 | 750 |
| 500 | | 123 | 7.9 | -6.6 | 4.4 | | 122 | 4.6 | -3.9 | 2.4 | | 120 | 5.3 | -4.5 | 2.7 | | 90 | 5.7 | -5.7 | -.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 117 | 3.3 | -2.9 | 1.5 | | 94 | 3.1 | -3.1 | .2 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/11 1732 GMT | | | | | 4/11 2345 GMT | | | | | 4/12 531 GMT | | | | | 4/12 12 5 GMT | | | | |
| 2500 | | 316 | .8 | .6 | -.6 | | 287 | 1.5 | 1.4 | -.4 | | 225 | 2.4 | 1.7 | 1.7 | | 248 | 4.4 | 4.1 | 1.6 | 2500 |
| 2250 | | 136 | 3.2 | -2.2 | 2.3 | | 140 | 3.5 | -2.2 | 2.7 | | 164 | 5.3 | -1.5 | 5.1 | | 191 | 3.6 | .7 | 3.5 | 2250 |
| 2000 | | 122 | 7.9 | -6.7 | 4.2 | | 124 | 8.3 | -6.9 | 4.7 | | 138 | 8.3 | -5.5 | 6.2 | | 139 | 6.4 | -4.2 | 4.9 | 2000 |
| 1750 | | 109 | 12.1 | -11.4 | 4.0 | | 114 | 9.6 | -8.8 | 4.0 | | 120 | 11.9 | -10.3 | 5.9 | | 114 | 10.6 | -9.6 | 4.3 | 1750 |
| 1500 | | 108 | 13.3 | -12.7 | 4.1 | | 108 | 7.0 | -6.6 | 2.1 | | 110 | 14.4 | -13.5 | 5.0 | | 101 | 12.4 | -12.2 | 2.3 | 1500 |
| 1250 | | 111 | 12.6 | -11.8 | 4.4 | | 112 | 5.8 | -5.4 | 2.2 | | 106 | 12.8 | -12.3 | 3.5 | | 94 | 11.1 | -11.1 | .9 | 1250 |
| 1000 | | 108 | 11.4 | -10.8 | 3.5 | | 118 | 8.2 | -7.3 | 3.8 | | 103 | 9.1 | -8.9 | 2.1 | | 91 | 9.5 | -9.5 | .2 | 1000 |
| 750 | | 99 | 9.7 | -9.6 | 1.5 | | 110 | 9.9 | -9.3 | 3.3 | | 103 | 9.3 | -9.0 | 2.1 | | 88 | 8.2 | -8.2 | -.3 | 750 |
| 500 | | 93 | 7.4 | -7.4 | .3 | | 97 | 9.7 | -9.6 | 1.2 | | 104 | 9.8 | -9.6 | 2.4 | | 85 | 6.6 | -6.5 | -.6 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 103 | 6.1 | -5.9 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/13 0 8 GMT | | | | | 4/13 535 GMT | | | | | 4/13 1154 GMT | | | | | 4/13 1714 GMT | | | | |
| 2500 | | 252 | 4.4 | 4.2 | 1.4 | | 273 | 1.6 | 1.6 | -.1 | | 281 | 1.9 | 1.9 | -.4 | | 78 | 3.6 | -3.6 | -.8 | 2500 |
| 2250 | | 158 | 2.4 | -.9 | 2.2 | | 111 | 1.9 | -1.8 | .7 | | 102 | 4.0 | -3.9 | .8 | | 96 | 5.7 | -5.7 | .6 | 2250 |
| 2000 | | 113 | 6.5 | -6.0 | 2.6 | | 108 | 6.3 | -6.0 | 1.9 | | 104 | 7.9 | -7.7 | 1.9 | | 105 | 7.5 | -7.3 | 2.0 | 2000 |
| 1750 | | 101 | 11.6 | -11.4 | 2.2 | | 106 | 10.9 | -10.5 | 3.0 | | 100 | 10.8 | -10.6 | 2.0 | | 100 | 10.2 | -10.0 | 1.8 | 1750 |
| 1500 | | 94 | 15.9 | -15.9 | 1.0 | | 94 | 16.5 | -16.5 | 1.2 | | 94 | 13.3 | -13.3 | .9 | | 91 | 13.6 | -13.6 | .3 | 1500 |
| 1250 | | 89 | 17.4 | -17.4 | -.3 | | 84 | 18.3 | -18.2 | -2.1 | | 89 | 14.5 | -14.5 | -.2 | | 89 | 16.1 | -16.1 | -.3 | 1250 |
| 1000 | | 86 | 16.1 | -16.1 | -1.2 | | 78 | 15.5 | -15.1 | -3.3 | | 87 | 14.9 | -14.8 | -.8 | | 89 | 15.4 | -15.4 | -.4 | 1000 |
| 750 | | 83 | 13.6 | -13.5 | -1.5 | | 79 | 11.6 | -11.4 | -2.2 | | 87 | 14.3 | -14.2 | -.8 | | 88 | 12.4 | -12.4 | -.4 | 750 |
| 500 | | 85 | 10.4 | -10.4 | -.9 | | 83 | 8.6 | -8.6 | -1.0 | | 88 | 11.4 | -11.4 | -.4 | | 89 | 9.7 | -9.7 | -.2 | 500 |
| 250 | | 93 | 7.5 | -7.5 | .4 | | 81 | 6.4 | -6.4 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 89 | 7.9 | -7.9 | -.1 | 250 |
| | | 4/13 2034 GMT | | | | | 4/13 2235 GMT | | | | | 4/14 140 GMT | | | | | 4/14 512 GMT | | | | |
| 2500 | | 313 | 2.8 | 2.1 | -1.9 | | 310 | 3.9 | 3.0 | -2.5 | | 346 | 1.4 | .3 | -1.3 | 1 | 42 | .7 | -.5 | -.5 | 2500 |
| 2250 | | 78 | 1.4 | -1.3 | -.3 | | 317 | .6 | .4 | -.4 | | 105 | 2.4 | -2.3 | .6 | | 110 | 2.9 | -2.7 | 1.0 | 2250 |
| 2000 | | 106 | 4.4 | -4.2 | 1.2 | | 129 | 2.8 | -2.2 | 1.7 | | 109 | 5.2 | -4.9 | 1.7 | | 110 | 7.0 | -6.6 | 2.4 | 2000 |
| 1750 | | 104 | 7.7 | -7.4 | 1.8 | | 114 | 5.3 | -4.9 | 2.1 | | 99 | 10.5 | -10.4 | 1.7 | | 103 | 12.4 | -12.1 | 2.7 | 1750 |
| 1500 | | 97 | 12.0 | -11.9 | 1.5 | | 93 | 8.2 | -8.2 | .4 | | 93 | 16.3 | -16.3 | .8 | | 95 | 16.1 | -16.0 | 1.4 | 1500 |
| 1250 | | 94 | 14.3 | -14.3 | 1.0 | | 86 | 11.5 | -11.5 | -.8 | | 88 | 18.0 | -17.9 | -.6 | | 87 | 15.2 | -15.2 | -.8 | 1250 |
| 1000 | | 93 | 13.0 | -12.9 | .6 | | 87 | 14.2 | -14.2 | -.7 | | 85 | 17.6 | -17.5 | -1.4 | | 84 | 13.1 | -13.0 | -1.4 | 1000 |
| 750 | | 96 | 11.2 | -11.1 | 1.2 | | 90 | 14.7 | -14.7 | -.1 | | 88 | 16.4 | -16.3 | -.7 | | 87 | 12.5 | -12.5 | -.7 | 750 |
| 500 | | 105 | 10.3 | -10.0 | 2.7 | | 94 | 12.0 | -12.0 | .9 | | 93 | 12.7 | -12.7 | .6 | | 92 | 11.1 | -11.1 | .3 | 500 |
| 250 | | 116 | 9.2 | -8.3 | 4.1 | | 104 | 9.6 | -9.3 | 2.4 | | 99 | 8.2 | -8.1 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/14 1211 GMT | | | | | 4/14 1530 GMT | | | | | 4/14 18 0 GMT | | | | | 4/14 2350 GMT | | | | |
| 2500 | | 148 | 1.8 | -1.0 | 1.5 | | 137 | 1.1 | -.7 | .8 | | 107 | 2.0 | -1.9 | .6 | | 98 | 2.3 | -2.3 | .3 | 2500 |
| 2250 | | 137 | 3.9 | -2.7 | 2.8 | | 133 | 2.9 | -2.1 | 2.0 | | 112 | 4.0 | -3.7 | 1.5 | | 111 | 4.0 | -3.7 | 1.4 | 2250 |
| 2000 | | 115 | 7.0 | -6.3 | 3.0 | | 110 | 7.0 | -6.6 | 2.3 | | 104 | 7.6 | -7.4 | 1.8 | | 109 | 7.2 | -6.8 | 2.4 | 2000 |
| 1750 | | 103 | 10.2 | -10.0 | 2.3 | | 95 | 12.5 | -12.4 | 1.0 | | 95 | 12.9 | -12.8 | 1.2 | | 103 | 12.4 | -12.1 | 2.8 | 1750 |
| 1500 | | 100 | 11.3 | -11.1 | 1.9 | | 89 | 15.2 | -15.2 | -.4 | | 88 | 15.6 | -15.6 | -.4 | | 99 | 15.5 | -15.3 | 2.4 | 1500 |
| 1250 | | 100 | 10.3 | -10.2 | 1.7 | | 89 | 15.0 | -15.0 | -.3 | | 84 | 13.2 | -13.1 | -1.3 | | 96 | 14.7 | -14.6 | 1.5 | 1250 |
| 1000 | | 92 | 10.0 | -10.0 | .3 | | 92 | 14.7 | -14.7 | .4 | | 85 | 10.5 | -10.5 | -.9 | | 96 | 13.5 | -13.4 | 1.5 | 1000 |
| 750 | | 83 | 10.2 | -10.1 | -1.2 | | 92 | 14.1 | -14.0 | .4 | | 88 | 10.2 | -10.2 | -.4 | | 99 | 12.8 | -12.7 | 2.1 | 750 |
| 500 | | 85 | 8.2 | -8.2 | -.7 | | 90 | 11.1 | -11.1 | .1 | | 86 | 9.2 | -9.1 | -.7 | | 102 | 10.4 | -10.2 | 2.1 | 500 |
| 250 | | 96 | 5.4 | -5.4 | .5 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 79 | 6.0 | -5.9 | -1.2 | | 107 | 6.4 | -6.1 | 1.9 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/15 6 6 GMT | | | | | 4/15 1155 GMT | | | | | 4/15 17 0 GMT | | | | | 4/15 1935 GMT | | | | |
| 2500 | | 116 | 1.8 | -1.6 | .8 | | 38 | 1.7 | -1.1 | -1.3 | | 116 | 2.2 | -2.0 | 1.0 | | 135 | 3.7 | -2.6 | 2.6 | 2500 |
| 2250 | | 129 | 3.8 | -3.0 | 2.4 | | 85 | 2.0 | -2.0 | -.2 | | 126 | 4.0 | -3.3 | 2.3 | | 135 | 4.4 | -3.1 | 3.1 | 2250 |
| 2000 | | 117 | 9.4 | -8.4 | 4.3 | | 115 | 5.8 | -5.3 | 2.4 | | 121 | 8.6 | -7.3 | 4.5 | | 129 | 7.3 | -5.7 | 4.5 | 2000 |
| 1750 | | 110 | 12.6 | -11.8 | 4.4 | | 108 | 10.0 | -9.5 | 3.1 | | 113 | 13.0 | -12.0 | 5.1 | | 117 | 10.4 | -9.3 | 4.7 | 1750 |
| 1500 | | 107 | 12.7 | -12.1 | 3.6 | | 100 | 12.2 | -12.0 | 2.0 | | 105 | 14.8 | -14.3 | 3.7 | | 112 | 12.5 | -11.6 | 4.7 | 1500 |
| 1250 | | 102 | 11.0 | -10.7 | 2.3 | | 95 | 12.2 | -12.1 | 1.1 | | 96 | 13.3 | -13.3 | 1.4 | | 111 | 12.5 | -11.7 | 4.4 | 1250 |
| 1000 | | 96 | 9.8 | -9.7 | 1.1 | | 87 | 12.0 | -11.9 | -.6 | | 89 | 10.8 | -10.8 | -.3 | | 93 | 11.6 | -11.5 | .6 | 1000 |
| 750 | | 90 | 9.0 | -9.0 | -.1 | | 79 | 11.2 | -11.0 | -2.2 | | 86 | 9.2 | -9.2 | -.7 | | 74 | 11.3 | -10.9 | -3.1 | 750 |
| 500 | | 81 | 7.4 | -7.3 | -1.1 | | 76 | 8.3 | -8.1 | -1.9 | | 87 | 7.7 | -7.7 | -.4 | | 75 | 8.4 | -8.1 | -2.2 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 82 | 4.8 | -4.8 | -.7 | | 95 | 4.6 | -4.6 | .4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/15 23 8 GMT | | | | | 4/16 2 3 GMT | | | | | 4/16 5 0 GMT | | | | | 4/16 1216 GMT | | | | |
| 2500 | | 155 | 4.2 | -1.8 | 3.8 | | 154 | 4.6 | -2.0 | 4.2 | | 170 | 5.1 | -.9 | 5.1 | | 119 | 6.8 | -5.9 | 3.3 | 2500 |
| 2250 | | 149 | 4.7 | -2.4 | 4.0 | | 158 | 5.3 | -2.0 | 4.9 | | 172 | 5.6 | -.8 | 5.5 | | 126 | 5.1 | -4.1 | 3.0 | 2250 |
| 2000 | | 137 | 6.9 | -4.8 | 5.0 | | 145 | 6.7 | -3.8 | 5.5 | | 139 | 6.1 | -4.0 | 4.6 | | 128 | 5.8 | -4.5 | 3.6 | 2000 |
| 1750 | | 122 | 9.3 | -7.9 | 4.9 | | 123 | 8.0 | -6.7 | 4.4 | | 116 | 7.9 | -7.1 | 3.4 | | 122 | 8.9 | -7.6 | 4.7 | 1750 |
| 1500 | | 105 | 10.9 | -10.5 | 2.8 | | 103 | 9.2 | -8.9 | 2.1 | | 103 | 8.9 | -8.6 | 2.0 | | 109 | 11.6 | -11.0 | 3.8 | 1500 |
| 1250 | | 91 | 11.3 | -11.3 | .2 | | 91 | 9.5 | -9.5 | .2 | | 94 | 8.6 | -8.6 | .6 | | 98 | 11.3 | -11.2 | 1.6 | 1250 |
| 1000 | | 84 | 10.5 | -10.4 | -1.2 | | 85 | 8.6 | -8.6 | -.7 | | 89 | 7.8 | -7.8 | -.1 | | 89 | 9.0 | -9.0 | -.2 | 1000 |
| 750 | | 82 | 8.9 | -8.8 | -1.2 | | 81 | 7.4 | -7.3 | -1.1 | | 87 | 6.6 | -6.6 | -.3 | | 85 | 6.6 | -6.6 | -.6 | 750 |
| 500 | | 82 | 6.1 | -6.1 | -.8 | | 76 | 5.3 | -5.2 | -1.3 | | 86 | 5.3 | -5.2 | -.4 | | 93 | 4.6 | -4.6 | .3 | 500 |
| 250 | | 81 | 2.9 | -2.9 | -.4 | | 69 | 2.8 | -2.6 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 114 | 3.2 | -2.9 | 1.3 | 250 |
| | | 4/16 18 0 GMT | | | | | 4/16 2345 GMT | | | | | 4/17 550 GMT | | | | | 4/17 1145 GMT | | | | |
| 2500 | | 120 | 7.6 | -6.6 | 3.8 | | 122 | 7.1 | -6.0 | 3.8 | | 123 | 4.5 | -3.7 | 2.4 | | 102 | 4.0 | -3.9 | .8 | 2500 |
| 2250 | | 115 | 5.7 | -5.2 | 2.4 | | 114 | 6.3 | -5.8 | 2.6 | | 106 | 5.3 | -5.1 | 1.5 | | 94 | 5.7 | -5.7 | .4 | 2250 |
| 2000 | | 111 | 5.1 | -4.8 | 1.9 | | 116 | 6.1 | -5.5 | 2.6 | | 96 | 6.9 | -6.9 | .8 | | 80 | 7.0 | -6.9 | -1.2 | 2000 |
| 1750 | | 113 | 6.9 | -6.4 | 2.7 | | 116 | 7.2 | -6.5 | 3.1 | | 85 | 8.1 | -8.0 | -.7 | | 64 | 7.8 | -7.0 | -3.4 | 1750 |
| 1500 | | 107 | 9.8 | -9.4 | 2.8 | | 108 | 8.8 | -8.3 | 2.7 | | 79 | 8.4 | -8.2 | -1.6 | | 55 | 8.3 | -6.8 | -4.8 | 1500 |
| 1250 | | 98 | 11.2 | -11.1 | 1.6 | | 96 | 9.4 | -9.4 | 1.1 | | 79 | 8.1 | -8.0 | -1.5 | | 53 | 8.4 | -6.7 | -5.1 | 1250 |
| 1000 | | 93 | 10.3 | -10.3 | .5 | | 89 | 9.1 | -9.1 | -.2 | | 79 | 7.4 | -7.3 | -1.4 | | 56 | 7.6 | -6.3 | -4.3 | 1000 |
| 750 | | 93 | 8.6 | -8.6 | .5 | | 88 | 7.5 | -7.5 | -.2 | | 79 | 5.7 | -5.6 | -1.1 | | 66 | 6.0 | -5.4 | -2.4 | 750 |
| 500 | | 101 | 6.7 | -6.6 | 1.2 | | 101 | 5.0 | -5.0 | .9 | | 84 | 4.0 | -4.0 | -.4 | | 90 | 4.7 | -4.7 | .0 | 500 |
| 250 | | 113 | 4.6 | -4.2 | 1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 107 | 4.1 | -3.9 | 1.2 | 250 |
| | | 4/17 1645 GMT | | | | | 4/17 1940 GMT | | | | | 4/17 2236 GMT | | | | | 4/18 131 GMT | | | | |
| 2500 | | 95 | 3.8 | -3.8 | .3 | | 81 | 3.6 | -3.6 | -.6 | | 61 | 4.5 | -4.0 | -2.2 | | 70 | 5.7 | -5.3 | -1.9 | 2500 |
| 2250 | | 85 | 4.9 | -4.9 | -.5 | | 67 | 4.4 | -4.1 | -1.7 | | 58 | 6.0 | -5.1 | -3.2 | | 62 | 6.8 | -6.0 | -3.2 | 2250 |
| 2000 | | 79 | 6.4 | -6.3 | -1.2 | | 72 | 6.3 | -6.0 | -1.9 | | 57 | 7.7 | -6.5 | -4.2 | | 58 | 8.2 | -6.9 | -4.4 | 2000 |
| 1750 | | 70 | 7.1 | -6.6 | -2.5 | | 70 | 7.6 | -7.2 | -2.6 | | 51 | 9.0 | -7.0 | -5.7 | | 53 | 8.7 | -6.9 | -5.3 | 1750 |
| 1500 | | 59 | 7.1 | -6.1 | -3.7 | | 61 | 8.1 | -7.1 | -3.9 | | 43 | 9.3 | -6.4 | -6.8 | | 48 | 9.0 | -6.6 | -6.1 | 1500 |
| 1250 | | 57 | 7.0 | -5.9 | -3.8 | | 57 | 7.6 | -6.4 | -4.2 | | 41 | 8.4 | -5.6 | -6.3 | | 46 | 8.7 | -6.2 | -6.1 | 1250 |
| 1000 | | 63 | 6.7 | -6.0 | -3.0 | | 64 | 6.9 | -6.2 | -3.0 | | 49 | 7.0 | -5.3 | -4.6 | | 48 | 8.0 | -5.9 | -5.3 | 1000 |
| 750 | | 75 | 5.7 | -5.5 | -1.5 | | 75 | 6.5 | -6.2 | -1.6 | | 64 | 6.2 | -5.6 | -2.7 | | 51 | 6.9 | -5.4 | -4.3 | 750 |
| 500 | | 94 | 4.3 | -4.3 | .3 | | 90 | 5.8 | -5.8 | .0 | | 75 | 5.6 | -5.4 | -1.5 | | 56 | 5.5 | -4.6 | -3.0 | 500 |
| 250 | | 120 | 3.3 | -2.9 | 1.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 68 | 4.3 | -4.0 | -1.6 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA — CHRISTMAS ISLAND

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/18 5 1 GMT | | | | | 4/18 12 7 GMT | | | | | 4/18 18 5 GMT | | | | | 4/18 2340 GMT | | | | |
| 2500 | | 60 | 8.4 | -7.3 | -4.2 | | 59 | 7.4 | -6.3 | -3.9 | | 42 | 10.4 | -6.9 | -7.8 | | 59 | 8.5 | -7.2 | -4.4 | 2500 |
| 2250 | | 66 | 7.2 | -6.6 | -3.0 | | 59 | 7.0 | -6.1 | -3.6 | | 45 | 10.7 | -7.6 | -7.5 | | 75 | 6.9 | -6.6 | -1.8 | 2250 |
| 2000 | | 69 | 7.6 | -7.1 | -2.7 | | 56 | 8.1 | -6.7 | -4.6 | | 50 | 9.1 | -7.0 | -5.8 | | 90 | 9.4 | -9.4 | .1 | 2000 |
| 1750 | | 61 | 9.3 | -8.1 | -4.5 | | 52 | 10.1 | -7.9 | -6.3 | | 50 | 7.8 | -6.0 | -5.0 | | 91 | 11.3 | -11.3 | .2 | 1750 |
| 1500 | | 53 | 10.3 | -8.2 | -6.2 | | 49 | 10.8 | -8.1 | -7.2 | | 44 | 8.6 | -6.0 | -6.1 | | 89 | 10.8 | -10.8 | -.2 | 1500 |
| 1250 | | 50 | 9.8 | -7.5 | -6.4 | | 47 | 10.7 | -7.8 | -7.3 | | 41 | 9.6 | -6.3 | -7.3 | | 89 | 8.5 | -8.5 | -.2 | 1250 |
| 1000 | | 49 | 9.0 | -6.9 | -5.9 | | 47 | 11.2 | -8.3 | -7.6 | | 40 | 9.0 | -5.8 | -6.9 | | 93 | 5.9 | -5.9 | .3 | 1000 |
| 750 | | 53 | 8.0 | -6.4 | -4.8 | | 50 | 11.9 | -9.1 | -7.7 | | 43 | 6.9 | -4.7 | -5.1 | | 98 | 6.3 | -6.3 | .8 | 750 |
| 500 | | 61 | 6.7 | -5.9 | -3.3 | | 52 | 11.1 | -8.8 | -6.9 | | 55 | 4.9 | -4.0 | -2.9 | | 95 | 7.5 | -7.5 | .7 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 74 | 4.0 | -3.9 | -1.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/19 540 GMT | | | | | 4/19 1149 GMT | | | | | 4/19 17 0 GMT | | | | | 4/19 20 9 GMT | | | | |
| 2500 | | 56 | 8.7 | -7.2 | -4.9 | | 77 | 9.3 | -9.0 | -2.1 | | 81 | 10.8 | -10.6 | -1.6 | | 81 | 10.6 | -10.5 | -1.7 | 2500 |
| 2250 | | 71 | 8.5 | -8.0 | -2.8 | | 80 | 10.0 | -9.9 | -1.7 | | 82 | 10.0 | -9.9 | -1.4 | | 91 | 10.7 | -10.7 | .2 | 2250 |
| 2000 | | 80 | 8.8 | -8.6 | -1.5 | | 79 | 10.8 | -10.6 | -2.0 | | 78 | 9.4 | -9.2 | -2.0 | | 90 | 10.4 | -10.4 | -.1 | 2000 |
| 1750 | | 79 | 8.4 | -8.3 | -1.6 | | 76 | 11.0 | -10.7 | -2.6 | | 75 | 10.9 | -10.5 | -2.9 | | 78 | 11.0 | -10.8 | -2.3 | 1750 |
| 1500 | | 70 | 8.3 | -7.8 | -2.9 | | 70 | 10.6 | -10.0 | -3.6 | | 75 | 12.6 | -12.2 | -3.4 | | 79 | 12.7 | -12.4 | -2.5 | 1500 |
| 1250 | | 65 | 9.1 | -8.2 | -3.9 | | 64 | 10.0 | -9.0 | -4.4 | | 78 | 12.3 | -12.0 | -2.5 | | 89 | 13.9 | -13.9 | -.3 | 1250 |
| 1000 | | 68 | 9.4 | -8.7 | -3.5 | | 69 | 9.7 | -9.1 | -3.4 | | 84 | 12.3 | -12.3 | -1.4 | | 95 | 13.9 | -13.8 | 1.2 | 1000 |
| 750 | | 74 | 8.6 | -8.3 | -2.3 | | 83 | 9.9 | -9.8 | -1.2 | | 87 | 13.2 | -13.2 | -.8 | | 96 | 12.3 | -12.2 | 1.3 | 750 |
| 500 | | 78 | 7.6 | -7.5 | -1.6 | | 93 | 9.9 | -9.9 | .5 | | 89 | 12.4 | -12.4 | -.2 | | 95 | 10.3 | -10.2 | .9 | 500 |
| 250 | | 75 | 6.8 | -6.6 | -1.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 91 | 9.9 | -9.9 | .2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 4/19 2246 GMT | | | | | 4/20 140 GMT | | | | | 4/20 5 5 GMT | | | | | 4/20 1215 GMT | | | | |
| 2500 | | 80 | 11.2 | -11.0 | -1.9 | | 83 | 9.8 | -9.7 | -1.1 | | 82 | 9.7 | -9.6 | -1.4 | | 110 | 10.6 | -10.0 | 3.6 | 2500 |
| 2250 | | 89 | 11.5 | -11.5 | -.2 | | 90 | 10.3 | -10.3 | .0 | | 96 | 10.7 | -10.7 | 1.1 | | 112 | 12.3 | -11.4 | 4.6 | 2250 |
| 2000 | | 95 | 11.2 | -11.2 | 1.0 | | 97 | 11.2 | -11.1 | 1.4 | | 105 | 12.9 | -12.5 | 3.3 | | 105 | 12.5 | -12.1 | 3.3 | 2000 |
| 1750 | | 91 | 10.7 | -10.7 | .2 | | 101 | 11.7 | -11.5 | 2.1 | | 105 | 14.1 | -13.6 | 3.5 | | 95 | 11.8 | -11.7 | 1.0 | 1750 |
| 1500 | | 85 | 11.7 | -11.6 | -.9 | | 99 | 11.5 | -11.4 | 1.9 | | 100 | 13.8 | -13.6 | 2.4 | | 93 | 11.8 | -11.8 | .6 | 1500 |
| 1250 | | 90 | 13.4 | -13.4 | .0 | | 98 | 11.9 | -11.8 | 1.7 | | 96 | 12.9 | -12.9 | 1.3 | | 93 | 12.4 | -12.4 | .7 | 1250 |
| 1000 | | 96 | 13.9 | -13.8 | 1.5 | | 99 | 11.5 | -11.3 | 1.8 | | 93 | 11.7 | -11.7 | .6 | | 90 | 12.0 | -12.0 | -.1 | 1000 |
| 750 | | 99 | 12.2 | -12.0 | 1.8 | | 100 | 9.6 | -9.5 | 1.7 | | 92 | 9.6 | -9.6 | .3 | 0 | 88 | 10.0 | -10.0 | -.4 | 750 |
| 500 | | 100 | 10.0 | -9.8 | 1.7 | | 102 | 7.7 | -7.5 | 1.6 | | 95 | 7.5 | -7.5 | .7 | | 94 | 7.4 | -7.4 | .5 | 500 |
| 250 | | 104 | 9.5 | -9.2 | 2.3 | | 108 | 7.5 | -7.2 | 2.3 | | 100 | 7.5 | -7.4 | 1.3 | | 98 | 5.7 | -5.6 | .8 | 250 |
| | | 4/20 1745 GMT | | | | | 4/20 2340 GMT | | | | | 4/21 556 GMT | | | | | 4/21 1210 GMT | | | | |
| 2500 | | 111 | 9.0 | -8.4 | 3.3 | | 117 | 6.1 | -5.4 | 2.8 | | 107 | 5.3 | -5.1 | 1.5 | | 87 | 4.5 | -4.4 | -.2 | 2500 |
| 2250 | | 113 | 10.8 | -10.0 | 4.2 | | 115 | 7.7 | -6.9 | 3.3 | | 99 | 7.2 | -7.1 | 1.2 | | 99 | 6.3 | -6.2 | 1.0 | 2250 |
| 2000 | | 108 | 11.6 | -11.0 | 3.5 | | 104 | 9.1 | -8.8 | 2.3 | | 90 | 9.0 | -9.0 | .1 | | 97 | 8.1 | -8.1 | 1.0 | 2000 |
| 1750 | | 98 | 11.8 | -11.7 | 1.6 | | 91 | 10.0 | -10.0 | .2 | | 77 | 10.3 | -10.0 | -2.4 | | 88 | 8.5 | -8.5 | -.3 | 1750 |
| 1500 | | 88 | 12.4 | -12.4 | -.3 | | 79 | 10.2 | -10.0 | -2.0 | | 64 | 11.1 | -10.0 | -4.8 | | 75 | 8.0 | -7.7 | -2.0 | 1500 |
| 1250 | | 82 | 12.9 | -12.8 | -1.8 | | 72 | 10.1 | -9.6 | -3.2 | | 62 | 10.3 | -9.1 | -4.8 | | 63 | 7.4 | -6.6 | -3.3 | 1250 |
| 1000 | | 78 | 12.5 | -12.3 | -2.5 | | 73 | 9.8 | -9.3 | -2.9 | | 70 | 8.8 | -8.3 | -3.1 | | 63 | 7.0 | -6.2 | -3.2 | 1000 |
| 750 | | 79 | 10.9 | -10.7 | -2.1 | | 82 | 8.9 | -8.8 | -1.2 | | 78 | 8.1 | -7.9 | -1.7 | | 71 | 6.8 | -6.4 | -2.2 | 750 |
| 500 | | 88 | 8.6 | -8.6 | -.3 | | 97 | 7.4 | -7.4 | .9 | | 86 | 7.3 | -7.3 | -.5 | | 82 | 6.0 | -5.9 | -.9 | 500 |
| 250 | | 100 | 7.0 | -6.9 | 1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | | 102 | 4.4 | -4.3 | .9 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA

CHRISTMAS ISLAND

| | 4/21 17 0 GMT | | | | | 4/21 20 0 GMT | | | | | 4/21 2237 GMT | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
| 2500 | | 76 | 5.1 | -4.9 | -1.3 | | 76 | 4.9 | -4.7 | -1.2 | | 65 | 3.8 | -3.4 | -1.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2500 |
| 2250 | | 80 | 5.5 | -5.4 | -1.0 | | 82 | 5.1 | -5.1 | -.7 | | 67 | 3.7 | -3.3 | -1.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2250 |
| 2000 | | 79 | 6.2 | -6.1 | -1.1 | | 83 | 5.9 | -5.8 | -.7 | | 79 | 4.4 | -4.3 | -.8 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2000 |
| 1750 | | 82 | 7.0 | -6.9 | -1.0 | | 85 | 6.9 | -6.8 | -.6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1750 |
| 1500 | | 82 | 8.2 | -8.2 | -1.1 | | 86 | 7.4 | -7.3 | -.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1500 |
| 1250 | | 74 | 8.4 | -8.0 | -2.3 | | 82 | 6.8 | -6.7 | -.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1250 |
| 1000 | | 65 | 7.3 | -6.6 | -3.1 | | 77 | 5.8 | -5.6 | -1.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1000 |
| 750 | | 63 | 6.0 | -5.3 | -2.7 | | 78 | 4.9 | -4.8 | -1.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 750 |
| 500 | | 70 | 4.6 | -4.3 | -1.5 | | 91 | 4.2 | -4.2 | .1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 500 |
| 250 | | 88 | 3.3 | -3.3 | -.1 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |

LINE ISLANDS EXPERIMENT

LOW LEVEL WIND DATA (RABAL) SHIP SURVEYOR

| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2/16 030 GMT | | | | | 2/16 1158 GMT | | | | | 2/16 2328 GMT | | | | | 2/17 11 0 GMT | | | | |
| 2500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 32 | 7.1 | -3.8 | -6.0 | 2500 |
| 2250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 42 | 7.2 | -4.8 | -5.3 | 2250 |
| 2000 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 56 | 6.6 | -5.5 | -3.7 | 2000 |
| 1750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 73 | 7.1 | -6.7 | -2.1 | 1750 |
| 1500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 66 | 6.0 | -5.5 | -2.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 82 | 7.3 | -7.2 | -1.0 | 1500 |
| 1250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 70 | 6.7 | -6.3 | -2.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 91 | 9.2 | -9.2 | .2 | 1250 |
| 1000 | 2 | 90 | 7.7 | -7.7 | -.0 | 1 | 69 | 8.1 | -7.6 | -2.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 81 | 10.3 | -10.2 | -1.6 | 1000 |
| 750 | 2 | 81 | 9.0 | -8.9 | -1.5 | 2 | 69 | 8.9 | -8.3 | -3.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 79 | 9.1 | -8.9 | -1.7 | 750 |
| 500 | 2 | 73 | 8.1 | -7.8 | -2.3 | 2 | 74 | 8.1 | -7.7 | -2.2 | 2 | 72 | 3.2 | -3.1 | -1.0 | 2 | 70 | 8.4 | -7.9 | -2.9 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 59 | 10.2 | -8.7 | -5.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 2/17 2310 GMT | | | | | 2/18 11 9 GMT | | | | | 2/18 23 4 GMT | | | | | 2/19 11 6 GMT | | | | |
| 2500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 95 | 6.7 | -6.7 | .6 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2500 |
| 2250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1 | 97 | 7.5 | -7.5 | .9 | 2 | 93 | 11.7 | -11.7 | .6 | 2250 |
| 2000 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 95 | 7.3 | -7.3 | .6 | 2 | 95 | 11.0 | -11.0 | .9 | 2000 |
| 1750 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 74 | 8.2 | -7.9 | -2.3 | 0 | 91 | 6.7 | -6.7 | .2 | 2 | 98 | 11.1 | -11.0 | 1.5 | 1750 |
| 1500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 74 | 9.2 | -8.9 | -2.6 | 1 | 89 | 7.1 | -7.1 | -.1 | 2 | 97 | 9.3 | -9.3 | 1.2 | 1500 |
| 1250 | 2 | 68 | 8.6 | -8.0 | -3.2 | 2 | 74 | 9.3 | -9.0 | -2.6 | 1 | 87 | 7.4 | -7.4 | -.4 | 2 | 93 | 8.8 | -8.8 | .5 | 1250 |
| 1000 | 2 | 78 | 9.1 | -8.8 | -1.9 | 2 | 57 | 10.6 | -8.9 | -5.8 | 1 | 84 | 6.6 | -6.6 | -.7 | 2 | 101 | 10.5 | -10.3 | 2.0 | 1000 |
| 750 | 2 | 84 | 8.8 | -8.7 | -.9 | 2 | 57 | 11.5 | -9.6 | -6.3 | 2 | 81 | 6.2 | -6.1 | -.9 | 2 | 111 | 10.3 | -9.6 | 3.7 | 750 |
| 500 | 2 | 81 | 10.0 | -9.9 | -1.5 | 2 | 62 | 9.6 | -8.5 | -4.6 | 2 | 81 | 6.3 | -6.3 | -.9 | 2 | 113 | 7.8 | -7.2 | 3.1 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 2/19 2310 GMT | | | | | 2/20 11 3 GMT | | | | | 2/20 2312 GMT | | | | | 2/21 1111 GMT | | | | |
| 2500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2500 |
| 2250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 62 | 14.2 | -12.6 | -6.7 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2250 |
| 2000 | 2 | 74 | 7.6 | -7.3 | -2.1 | 2 | 65 | 13.3 | -12.1 | -5.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2000 |
| 1750 | 2 | 76 | 8.3 | -8.0 | -1.9 | 2 | 66 | 8.4 | -7.7 | -3.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1750 |
| 1500 | 2 | 83 | 9.8 | -9.7 | -1.2 | 2 | 73 | 8.5 | -8.1 | -2.5 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1500 |
| 1250 | 2 | 74 | 10.3 | -10.0 | -2.8 | 2 | 74 | 8.7 | -8.3 | -2.4 | 2 | 35 | 11.3 | -6.4 | -9.3 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1250 |
| 1000 | 2 | 75 | 9.4 | -9.1 | -2.5 | 2 | 79 | 8.9 | -8.7 | -1.7 | 1 | 44 | 10.7 | -7.5 | -7.7 | 2 | 94 | 6.2 | -6.2 | .4 | 1000 |
| 750 | 2 | 83 | 8.7 | -8.7 | -1.1 | 2 | 92 | 9.4 | -9.3 | .3 | 1 | 58 | 9.8 | -8.3 | -5.2 | 2 | 92 | 7.2 | -7.2 | .3 | 750 |
| 500 | 2 | 73 | 9.8 | -9.4 | -2.9 | 2 | 93 | 8.6 | -8.6 | .4 | 2 | 74 | 10.0 | -9.6 | -2.7 | 2 | 90 | 8.3 | -8.3 | .0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| | | 2/22 1217 GMT | | | | | 2/23 2320 GMT | | | | | 2/24 23 2 GMT | | | | | 2/26 453 GMT | | | | |
| 2500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2500 |
| 2250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2250 |
| 2000 | 2 | 89 | 11.8 | -11.8 | -.2 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2000 |
| 1750 | 2 | 90 | 10.8 | -10.8 | .0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 1750 |
| 1500 | 2 | 97 | 10.8 | -10.7 | 1.4 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 112 | 12.0 | -11.1 | 4.5 | 1500 |
| 1250 | 2 | 98 | 13.0 | -12.8 | 1.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 116 | 17.7 | -15.9 | 7.8 | 1250 |
| 1000 | 2 | 97 | 14.5 | -14.3 | 1.9 | 2 | 92 | 13.4 | -13.4 | .4 | 2 | 101 | 13.3 | -13.1 | 2.4 | 2 | 112 | 15.0 | -14.0 | 5.5 | 1000 |
| 750 | 2 | 103 | 12.2 | -11.9 | 2.7 | 2 | 97 | 13.5 | -13.3 | 1.7 | 2 | 106 | 13.9 | -13.3 | 3.9 | 2 | 107 | 12.7 | -12.1 | 3.8 | 750 |
| 500 | 0 | 0 | 0.0 | 0.0 | 0.0 | 2 | 102 | 11.9 | -11.6 | 2.5 | 2 | 115 | 11.3 | -10.2 | 4.8 | 2 | 111 | 11.1 | -10.3 | 4.0 | 500 |
| 250 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 250 |
| H | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | I | DD | FF | U | V | H |