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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.

CONTENTS

TABLES

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)	σ_u^2 $(m/sec)^2$	$\bar{v}$ (m/sec)	σ_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)	σ_u^2 $(m/sec)^2$	$\bar{v}$ (m/sec)	σ_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)	σ_u^2 $(m/sec)^2$	$\bar{v}$ (m/sec)	σ_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

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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

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

	3/20 1447 GMT				3/20 1755 GMT				3/20 21 0 GMT				3/20 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	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

P	3/24 1155 GMT I	DD	FF	U	V	3/24 1847 GMT I	DD	FF	U	V	3/25 045 GMT I	DD	FF	U	V	3/25 6 0 GMT 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

	4/ 1 2353 GMT				4/ 2 250 GMT				4/ 2 6 5 GMT				4/ 2 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	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

	4/ 6 1115 GMT				4/ 6 1511 GMT				4/ 6 1856 GMT				4/ 6 2050 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	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

P	4/12 1137 GMT I	DD	FF	U	V	4/12 18 4 GMT I	DD	FF	U	V	4/13 1150 GMT I	DD	FF	U	V	4/13 1713 GMT 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

	4/13 1935 GMT				4/13 2233 GMT				4/14 125 GMT				4/14 543 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		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

	4/17 1921 GMT				4/17 23 4 GMT				4/18 137 GMT				4/18 543 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	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

	3/20 1138 GMT				3/20 1530 GMT				3/20 19 0 GMT				3/20 2055 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	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

	3/25 1520 GMT				3/25 1815 GMT				3/25 2334 GMT				3/26 7 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	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

P	4/ 7 225 GMT I	DD	FF	U	V	4/ 7 620 GMT I	DD	FF	U	V	4/ 7 855 GMT I	DD	FF	U	V	4/ 7 12 5 GMT 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

P	3/31 12 0 GMT I	DD	FF	U	V	3/31 1744 GMT I	DD	FF	U	V	4/ 1 0 1 GMT I	DD	FF	U	V	4/ 1 6 0 GMT 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*)

*** 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

P	3/ 1 2337 GMT I	DD	FF	U	V	3/ 2 411 GMT I	DD	FF	U	V	3/ 3 1833 GMT I	DD	FF	U	V	3/ 3 2048 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	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

P	3/ 4 23 4 GMT I	DD	FF	U	V	3/12 23 0 GMT I	DD	FF	U	V	3/13 5 0 GMT I	DD	FF	U	V	3/13 1835 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	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

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

	3/10 2335 GMT					3/11 2355 GMT					3/12 1155 GMT					3/12 2351 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		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				3/22 12 0 GMT				3/23 1115 GMT				3/23 2358 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		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				3/25 1125 GMT				3/25 2337 GMT				3/26 1115 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		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

	4/ 6 1115 GMT				4/ 6 2349 GMT				4/ 7 1138 GMT				4/ 8 051 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		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

	4/ 8 1138 GMT				4/ 8 2240 GMT				4/ 9 1115 GMT				4/ 9 2326 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		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

P	4/15 2240 GMT I	DD	FF	U	V	4/16 1148 GMT I	DD	FF	U	V	4/18 1147 GMT I	DD	FF	U	V	4/18 2339 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		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

P	4/19 1210 GMT I	DD	FF	U	V	4/19 2328 GMT I	DD	FF	U	V	4/20 1143 GMT I	DD	FF	U	V	4/20 2324 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		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

	4/21 1142 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
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	I	DD	FF	U	V	I	DD	FF	U	V	I	DD	FF	U	V	I	DD	FF	U	V	HBAR
		3/ 3 1235 GMT					3/ 3 18 0 GMT					3/ 4 1 0 GMT					3/ 4 1145 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	0	0	0.0	0.0	0.0	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
		3/ 4 2345 GMT					3/ 5 1215 GMT					3/ 5 2345 GMT					3/ 6 1135 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		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

	3/ 7 019 GMT				3/ 8 0 5 GMT				3/ 8 2249 GMT				3/10 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	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

	3/10 2045 GMT				3/10 2345 GMT				3/11 9 0 GMT				3/11 1137 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	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

P	3/17 1119 GMT I	DD	FF	U	V	3/17 2345 GMT I	DD	FF	U	V	3/18 13 8 GMT I	DD	FF	U	V	3/18 2340 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		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

P	3/19 1115 GMT I	DD	FF	U	V	3/20 0 7 GMT I	DD	FF	U	V	3/20 1138 GMT I	DD	FF	U	V	3/20 2330 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		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				
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		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

P	I	4/ 7 620 GMT DD	FF	U	V	I	4/ 7 12 5 GMT DD	FF	U	V	I	4/ 7 18 4 GMT DD	FF	U	V	I	4/ 8 1315 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	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

P	I	4/ 8 1725 GMT DD	FF	U	V	I	4/ 8 2315 GMT DD	FF	U	V	I	4/ 9 12 4 GMT DD	FF	U	V	I	4/ 9 2332 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	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

P	3/24 12 0 GMT I	DD	FF	U	V	3/25 0 1 GMT I	DD	FF	U	V	3/25 12 5 GMT I	DD	FF	U	V	3/27 010 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		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

P	3/27 1150 GMT I	DD	FF	U	V	3/27 2350 GMT I	DD	FF	U	V	3/28 1155 GMT I	DD	FF	U	V	3/29 0 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		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
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

	3/29 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

	4/ 2 12 6 GMT				4/ 2 2346 GMT				4/ 4 015 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
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

	4/ 4 2355 GMT				4/ 5 12 0 GMT				4/ 6 0 5 GMT				4/ 6 1223 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	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		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		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

	4/11 1133 GMT				4/11 2345 GMT				4/12 12 5 GMT				4/13 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
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

	4/13 1154 GMT				4/13 2235 GMT				4/14 2350 GMT				4/15 1155 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	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	0.0	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	0.0	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

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	3/ 9 930 GMT I	DD	FF	U	V	3/ 9 1240 GMT I	DD	FF	U	V	3/10 12 0 GMT I	DD	FF	U	V	3/10 1441 GMT I	DD	FF	U	V	H
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

H	3/10 18 0 GMT I	DD	FF	U	V	3/10 2045 GMT I	DD	FF	U	V	3/10 2345 GMT I	DD	FF	U	V	3/11 3 0 GMT I	DD	FF	U	V	H
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

H	3/11 6 3 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	3/11 1925 GMT I	DD	FF	U	V	H
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

H	3/11 2353 GMT I	DD	FF	U	V	3/12 235 GMT I	DD	FF	U	V	3/12 6 0 GMT I	DD	FF	U	V	3/12 1150 GMT I	DD	FF	U	V	H
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

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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

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

3/26 950 GMT

H	I	DD	FF	U	V
2500		101	8.9	-8.7	1.7
2250		88	9.6	-9.6	-.3
2000		82	10.4	-10.3	-1.5
1750		81	10.1	-10.0	-1.6
1500		83	9.6	-9.5	-1.1
1250		89	10.1	-10.1	-.2
1000		96	9.9	-9.9	1.1
750		91	9.1	-9.1	.1
500		82	9.3	-9.2	-1.3
250	0	0	0.0	0.0	0.0

3/27 153 GMT

I	DD	FF	U	V
3	88	11.1	-11.1	-.4
3	86	11.2	-11.2	-.7
2	86	11.3	-11.3	-.8
1	88	11.5	-11.5	-.4
1	92	12.2	-12.2	.4
2	96	12.8	-12.7	1.4
	100	12.2	-12.0	2.1
	104	10.1	-9.8	2.4
	109	7.6	-7.2	2.4
3	103	6.4	-6.3	1.4

3/27 6 0 GMT

I	DD	FF	U	V
	100	12.2	-12.0	2.1
	105	13.0	-12.5	3.5
	109	12.5	-11.9	4.0
	99	11.3	-11.1	1.7
	86	11.7	-11.6	-.9
	85	11.8	-11.7	-1.1
	86	11.2	-11.2	-.7
	94	10.1	-10.1	.8
	109	8.9	-8.5	2.9
	116	8.2	-7.3	3.6

3/27 1155 GMT

I	DD	FF	U	V	H
	95	14.6	-14.5	1.4	2500
	95	15.8	-15.8	1.2	2250
	92	15.0	-15.0	.5	2000
	86	12.2	-12.1	-.9	1750
	62	7.2	-6.4	-3.4	1500
	74	7.2	-6.9	-2.0	1250
	97	10.0	-9.9	1.2	1000
	106	10.0	-9.6	2.8	750
	117	7.4	-6.6	3.4	500
0	0	0.0	0.0	0.0	250

3/27 1754 GMT

2500	101	13.7	-13.5	2.6
2250	100	12.2	-12.0	2.2
2000	93	11.5	-11.5	.5
1750	89	10.6	-10.6	-.3
1500	87	8.5	-8.5	-.4
1250	90	8.1	-8.1	-.0
1000	97	9.2	-9.1	1.1
750	101	9.2	-9.1	1.8
500	104	8.0	-7.8	2.0
250	116	6.1	-5.5	2.7

3/27 2348 GMT

92	10.5	-10.5	.4
87	10.6	-10.5	-.6
92	10.3	-10.3	.3
95	9.4	-9.4	.8
90	8.8	-8.8	.0
87	9.3	-9.3	-.5
91	8.9	-8.9	.1
101	7.5	-7.4	1.4
111	6.8	-6.3	2.4
115	5.4	-4.9	2.3

3/28 6 0 GMT

	71	12.7	-12.0	-4.0
	66	12.6	-11.4	-5.2
	67	11.9	-10.9	-4.6
	70	11.8	-11.1	-4.1
	66	12.2	-11.2	-5.0
	65	11.5	-10.4	-4.8
	73	9.4	-9.0	-2.8
	87	7.1	-7.1	-.4
3	102	5.4	-5.3	1.2
	112	5.1	-4.8	1.9

3/28 1145 GMT

79	11.0	-10.8	-2.1	2500
80	10.5	-10.3	-1.8	2250
76	10.0	-9.8	-2.4	2000
74	9.7	-9.3	-2.6	1750
70	10.0	-9.4	-3.4	1500
69	10.4	-9.7	-3.8	1250
75	9.3	-9.0	-2.5	1000
86	7.2	-7.2	-.5	750
98	5.5	-5.5	.8	500
113	4.4	-4.1	1.7	250

3/28 1826 GMT

2500	84	10.3	-10.3	-1.1
2250	91	10.1	-10.1	.1
2000	94	8.6	-8.6	.6
1750	92	7.0	-7.0	.2
1500	87	5.9	-5.9	-.3
1250	93	6.0	-6.0	.3
1000	104	7.3	-7.1	1.8
750	112	8.5	-7.9	3.2
500	119	8.3	-7.3	4.0
250	0	0.0	0.0	0.0

3/28 2350 GMT

	61	11.5	-10.0	-5.6
	72	8.4	-7.9	-2.6
	78	8.1	-7.9	-1.6
3	74	7.8	-7.5	-2.2
2	80	7.8	-7.7	-1.4
	97	7.5	-7.4	.9
	112	7.7	-7.1	2.9
	120	8.2	-7.1	4.1
	127	8.6	-6.8	5.2
	133	7.8	-5.7	5.3

3/29 550 GMT

	63	9.6	-8.6	-4.3
	71	9.0	-8.5	-2.9
	73	7.3	-7.0	-2.2
	77	6.0	-5.8	-1.3
	89	6.1	-6.1	-.1
	101	7.4	-7.3	1.4
	104	7.6	-7.3	1.9
	106	7.5	-7.2	2.1
	114	8.3	-7.6	3.3
	121	7.7	-6.6	4.0

3/29 1210 GMT

105	11.2	-10.8	2.9	2500
105	8.9	-8.6	2.3	2250
100	8.7	-8.5	1.4	2000
103	11.1	-10.8	2.5	1750
107	11.9	-11.4	3.4	1500
102	9.8	-9.6	2.0	1250
98	8.4	-8.3	1.1	1000
108	8.7	-8.3	2.7	750
121	7.9	-6.7	4.1	500
0	0.0	0.0	0.0	250

3/29 15 0 GMT

2500	102	9.9	-9.7	2.0
2250	102	9.9	-9.7	2.1
2000	98	11.0	-10.9	1.5
1750	96	11.6	-11.6	1.3
1500	97	11.7	-11.6	1.5
1250	100	11.1	-10.9	1.9
1000	104	10.3	-10.0	2.5
750	110	9.8	-9.2	3.3
500	118	9.0	-8.0	4.2
250	128	6.6	-5.2	4.0

3/29 1810 GMT

	77	11.7	-11.4	-2.6
	80	12.2	-12.1	-2.1
	88	13.3	-13.3	-.4
	92	12.9	-12.9	.5
	89	11.5	-11.5	-.3
	89	11.5	-11.5	-.3
	96	12.0	-11.9	1.2
	102	11.2	-11.0	2.4
	109	9.9	-9.3	3.3
	115	8.4	-7.6	3.6

3/29 2040 GMT

	85	12.0	-12.0	-1.0
	87	11.4	-11.4	-.7
	86	11.8	-11.8	-.8
	87	12.1	-12.0	-.6
	88	11.1	-11.1	-.4
	87	11.4	-11.4	-.7
	90	12.4	-12.4	-.0
	97	11.5	-11.4	1.3
	103	8.8	-8.5	2.0
	106	7.9	-7.6	2.2

3/29 2356 GMT

	90	12.9	-12.9	-.0
	95	12.7	-12.7	1.0
	100	11.7	-11.5	2.0
	98	10.9	-10.8	1.4
	94	10.0	-9.9	.7
	97	9.2	-9.1	1.2
	102	10.1	-9.8	2.1
	105	11.6	-11.2	3.0
	112	12.8	-11.9	4.8
0	0	0.0	0.0	0.0

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

4/18 5 0 GMT

H	I	DD	FF	U	V
2500		107	4.6	-4.4	1.3
2250		93	4.2	-4.2	.2
2000		77	5.4	-5.3	-1.2
1750		61	6.6	-5.8	-3.2
1500		52	7.4	-5.8	-4.5
1250		52	7.7	-6.1	-4.8
1000		58	7.6	-6.4	-4.1
750		66	6.6	-6.0	-2.6
500		76	5.8	-5.7	-1.5
250	0	0	0.0	0.0	0.0

4/18 1159 GMT

I	DD	FF	U	V
	82	5.4	-5.3	-.7
	71	5.8	-5.5	-1.9
	61	6.0	-5.3	-2.9
	59	5.8	-4.9	-3.0
	63	6.6	-5.9	-2.9
	68	8.4	-7.8	-3.2
	69	9.5	-8.8	-3.4
	70	8.4	-7.9	-2.9
	74	6.5	-6.3	-1.8
	89	5.1	-5.1	-.1

4/18 1810 GMT

I	DD	FF	U	V
	81	7.2	-7.2	-1.1
	78	7.5	-7.4	-1.6
	74	7.2	-6.9	-1.9
	62	7.3	-6.4	-3.4
	53	8.0	-6.4	-4.8
	58	8.5	-7.2	-4.5
	68	8.7	-8.1	-3.2
	77	8.4	-8.2	-1.9
	83	7.9	-7.9	-1.0
	86	7.8	-7.8	-.5

4/18 2357 GMT

I	DD	FF	U	V	H
	77	9.1	-8.8	-2.1	2500
	72	10.0	-9.5	-3.1	2250
	66	10.1	-9.2	-4.0	2000
	60	9.6	-8.4	-4.7	1750
	54	9.4	-7.6	-5.5	1500
	49	9.7	-7.3	-6.3	1250
	48	9.4	-7.0	-6.3	1000
	53	9.0	-7.2	-5.4	750
	62	8.3	-7.3	-3.9	500
0	0	0.0	0.0	0.0	250

4/19 556 GMT

2500		60	10.9	-9.5	-5.4
2250		57	11.2	-9.4	-6.1
2000		55	11.5	-9.4	-6.6
1750		52	11.9	-9.4	-7.2
1500		52	12.1	-9.5	-7.5
1250		55	11.7	-9.6	-6.6
1000		60	10.6	-9.2	-5.3
750		65	9.1	-8.2	-3.8
500		78	8.5	-8.4	-1.8
250		89	9.4	-9.4	-.1

4/19 1239 GMT

		76	10.2	-9.9	-2.4
		78	11.5	-11.2	-2.4
		82	11.8	-11.6	-1.7
		82	11.0	-10.9	-1.5
		74	10.7	-10.3	-2.9
		68	11.2	-10.4	-4.1
		73	11.0	-10.5	-3.2
		85	9.7	-9.7	-.9
		92	8.5	-8.5	.3
0	0	0.0	0.0	0.0	

4/19 1725 GMT

	85	11.7	-11.7	-.9
	89	11.7	-11.7	-.3
	89	11.6	-11.6	-.2
	86	11.8	-11.8	-.8
	83	12.2	-12.1	-1.4
	84	12.2	-12.2	-1.3
	88	11.0	-11.0	-.4
	96	8.6	-8.6	.9
	103	7.3	-7.1	1.6
0	0	0.0	0.0	0.0

4/19 1950 GMT

	90	11.7	-11.7	.0
	100	11.4	-11.2	1.9
	112	12.3	-11.3	4.7
	104	11.2	-10.9	2.8
	79	10.8	-10.6	-2.1
	72	11.8	-11.2	-3.6
	86	12.1	-12.0	-.9
	99	12.2	-12.0	2.0
	109	11.6	-10.9	3.8
	110	9.2	-8.7	3.1

4/19 2330 GMT

2500		67	7.3	-6.7	-2.8
2250		95	10.6	-10.6	.8
2000		105	12.8	-12.3	3.4
1750		96	9.7	-9.6	1.0
1500		83	8.8	-8.8	-1.1
1250		95	9.8	-9.8	.9
1000		106	10.5	-10.1	2.9
750		109	11.3	-10.7	3.6
500		113	11.3	-10.3	4.4
250	0	0	0.0	0.0	0.0

4/20 2 0 GMT

		90	8.9	-8.9	.0
		93	9.4	-9.4	.4
		94	9.5	-9.5	.6
		93	9.6	-9.6	.5
		92	9.9	-9.9	.4
		95	11.0	-11.0	.9
		100	12.0	-11.8	2.1
		105	11.1	-10.7	2.9
		108	9.7	-9.3	2.9
0	0	0.0	0.0	0.0	

4/20 527 GMT

	88	9.3	-9.3	-.3
	95	9.5	-9.5	.8
	98	10.9	-10.7	1.6
	97	12.1	-12.0	1.5
	96	12.5	-12.5	1.4
	102	12.1	-11.8	2.5
	113	10.7	-9.8	4.2
	119	8.8	-7.7	4.3
	116	7.4	-6.7	3.3
0	0	0.0	0.0	0.0

4/20 1216 GMT

	96	8.4	-8.4	.9
	108	9.1	-8.6	2.8
	119	9.8	-8.6	4.7
	119	10.0	-8.8	4.9
	113	10.1	-9.3	3.9
	110	10.8	-10.2	3.7
	110	11.2	-10.5	3.8
	111	9.8	-9.1	3.5
	115	7.9	-7.2	3.4
0	0	0.0	0.0	0.0

4/20 18 2 GMT

2500		102	8.7	-8.5	1.8
2250		110	8.5	-8.0	2.9
2000		119	9.0	-7.9	4.3
1750		111	10.7	-10.0	3.9
1500		99	11.1	-11.0	1.8
1250		99	9.2	-9.1	1.4
1000		107	8.3	-7.9	2.5
750		110	8.4	-7.9	2.9
500		113	8.4	-7.7	3.2
250	0	0	0.0	0.0	0.0

4/20 2355 GMT

	115	6.5	-5.9	2.7
	121	6.9	-5.9	3.5
	114	7.7	-7.0	3.2
	99	8.1	-8.0	1.2
	90	8.0	-8.0	-.0
	91	7.0	-7.0	.2
	93	5.3	-5.3	.3
	95	4.5	-4.5	.4
	102	4.8	-4.7	1.0
0	0	0.0	0.0	0.0

4/21 515 GMT

	97	5.9	-5.9	.8
	100	6.3	-6.2	1.1
	100	7.2	-7.1	1.3
	89	8.5	-8.5	-.2
	78	9.7	-9.4	-2.1
	74	9.7	-9.3	-2.7
	76	9.1	-8.8	-2.3
	81	8.7	-8.6	-1.3
	88	7.8	-7.8	-.3
	89	5.8	-5.8	-.1

4/21 1312 GMT

	62	6.4	-5.6	-3.0	2500
	88	5.4	-5.4	-.2	2250
	123	6.1	-5.2	3.3	2000
	107	6.0	-5.8	1.7	1750
	72	6.0	-5.7	-1.8	1500
	62	5.0	-4.4	-2.4	1250
	71	4.3	-4.1	-1.4	1000
	93	4.7	-4.7	.2	750
	109	4.9	-4.7	1.6	500
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	DD	FF	U	V	I	DD	FF	U	V	I	DD	FF	U	V	I	DD	FF	U	V	H
		3/ 8 2127 GMT					3/ 9 0 5 GMT					3/ 9 3 0 GMT					3/ 9 623 GMT				
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	I	DD	FF	U	V	I	DD	FF	U	V	I	DD	FF	U	V	I	DD	FF	U	V	H
		3/11 835 GMT					3/11 12 0 GMT					3/12 620 GMT					3/12 12 0 GMT				
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

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
		2/26 1648 GMT					2/27 0 4 GMT					2/27 1229 GMT					2/27 1855 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	0	0	0.0	0.0	0.0	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	0	0	0.0	0.0	0.0	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	0	0	0.0	0.0	0.0	2	108	14.8	-14.1	4.4	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	1500
1250	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	10.5	-10.2	-2.6	1250
1000	2	117	12.2	-10.9	5.6	2	108	14.0	-13.3	4.2	0	0	0.0	0.0	0.0	2	70	9.1	-8.6	-3.1	1000
750	2	114	12.1	-11.0	4.9	2	99	11.5	-11.3	1.8	2	127	11.8	-9.4	7.1	2	69	8.6	-8.0	-3.0	750
500	2	117	11.0	-9.8	5.0	2	87	8.8	-8.8	-.5	2	119	8.6	-7.5	4.1	2	64	7.9	-7.1	-3.5	500
250	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	93	6.7	-6.7	.4	0	0	0.0	0.0	0.0	250
		2/28 5 0 GMT					3/ 1 935 GMT					3/ 1 1150 GMT					3/ 1 17 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	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	0	0	0.0	0.0	0.0	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	0	0	0.0	0.0	0.0	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	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	1500
1250	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	1250
1000	0	0	0.0	0.0	0.0	2	83	12.0	-11.9	-1.5	2	91	10.7	-10.7	.2	2	100	10.8	-10.6	2.0	1000
750	2	84	9.8	-9.7	-1.0	2	91	10.9	-10.9	.2	2	103	12.5	-12.1	2.9	2	102	10.7	-10.5	2.3	750
500	2	90	9.9	-9.9	-.1	2	96	8.8	-8.8	1.0	2	109	12.4	-11.7	4.0	2	108	10.5	-9.9	3.3	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	0	0	0.0	0.0	0.0	250
		3/ 1 2337 GMT					3/ 2 411 GMT					3/ 3 1833 GMT					3/ 3 2048 GMT				
2500	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	315	2.2	1.6	-1.6	2	82	1.0	-1.0	-.1	2500
2250	0	0	0.0	0.0	0.0	2	84	13.0	-12.9	-1.4	2	271	1.6	1.6	-.0	2	157	1.8	-.7	1.7	2250
2000	0	0	0.0	0.0	0.0	2	84	12.2	-12.2	-1.2	2	187	2.1	.3	2.1	2	189	2.2	.3	2.2	2000
1750	0	0	0.0	0.0	0.0	2	86	10.5	-10.5	-.7	2	144	2.8	-1.7	2.3	2	189	2.1	.3	2.1	1750
1500	2	92	11.6	-11.6	.4	2	93	10.5	-10.5	.5	2	92	4.0	-4.0	.1	2	137	2.1	-1.4	1.5	1500
1250	2	92	11.8	-11.8	.5	1	96	11.1	-11.1	1.1	2	73	6.5	-6.3	-1.9	2	101	3.9	-3.9	.7	1250
1000	2	82	11.8	-11.7	-1.7	0	97	10.5	-10.4	1.3	2	77	6.5	-6.3	-1.5	2	90	5.6	-5.6	.0	1000
750	2	81	11.5	-11.3	-1.8	2	97	9.2	-9.1	1.2						0	0	0.0	0.0	0.0	750
500	2	94	9.5	-9.5	.7	2	101	8.0	-7.8	1.5	2	94	6.5	-6.5	.4	0	0	0.0	0.0	0.0	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/ 4 23 4 GMT					3/12 23 0 GMT					3/13 5 0 GMT					3/13 1835 GMT				
2500	0	0	0.0	0.0	0.0	2	158	2.6	-1.0	2.4	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2500
2250	2	62	8.2	-7.2	-3.9	2	163	3.9	-1.2	3.7	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2250
2000	1	63	7.0	-6.2	-3.2	2	146	4.7	-2.6	3.8	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2000
1750	1	67	6.2	-5.7	-2.4	2	122	5.6	-4.8	3.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	1750
1500	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	1500
1250	2	84	4.9	-4.9	-.5	2	109	6.1	-5.8	2.0	2	114	11.7	-10.7	4.7	0	0	0.0	0.0	0.0	1250
1000	2	86	5.5	-5.4	-.4	2	102	7.2	-7.1	1.5	2	102	11.4	-11.2	2.4	2	103	17.3	-16.9	3.9	1000
750	2	88	6.9	-6.9	-.2	2	91	7.9	-7.9	.2	2	92	10.7	-10.7	.3	2	104	16.1	-15.6	4.0	750
500	2	89	6.2	-6.2	-.1	2	84	7.5	-7.5	-.8	2	75	9.9	-9.5	-2.5	2	101	10.6	-10.4	2.0	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 (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
		3/14 19 1 GMT					3/14 2029 GMT					3/14 23 4 GMT					3/15 542 GMT				
2500	2	99	10.6	-10.5	1.6	2	105	11.6	-11.3	2.9	0	0	0.0	0.0	0.0	2	112	9.2	-8.5	3.5	2500
2250	2	94	10.6	-10.6	.7	2	96	12.1	-12.0	1.3	0	0	0.0	0.0	0.0	2	99	8.8	-8.7	1.4	2250
2000	2	92	11.0	-11.0	.5	2	94	11.8	-11.8	.9	0	0	0.0	0.0	0.0	2	78	10.1	-9.9	-2.1	2000
1750	2	92	11.1	-11.1	.5	2	96	10.9	-10.9	1.2	0	0	0.0	0.0	0.0	2	78	10.8	-10.5	-2.2	1750
1500	2	93	10.8	-10.8	.6	2	98	11.0	-10.9	1.6	2	97	12.3	-12.2	1.5	2	90	10.0	-10.0	-.0	1500
1250	2	96	10.4	-10.3	1.1	2	100	11.7	-11.5	2.0	2	101	10.5	-10.3	2.1	2	100	9.4	-9.3	1.6	1250
1000	2	101	10.1	-10.0	1.9	2	100	11.6	-11.4	2.0	2	97	10.1	-10.0	1.2	2	105	8.7	-8.4	2.3	1000
750	2	105	10.1	-9.8	2.6	2	100	10.2	-10.0	1.8	2	93	10.3	-10.3	.6	2	106	7.4	-7.1	2.1	750
500	2	108	10.3	-9.8	3.1	2	102	8.1	-7.9	1.7	2	108	7.7	-7.4	2.4	2	98	6.0	-5.9	.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
		3/15 738 GMT					3/15 1150 GMT					3/15 1439 GMT					3/15 1918 GMT				
2500	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	108	7.0	-6.7	2.2	2	102	6.7	-6.6	1.4	2500
2250	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	90	4.7	-4.7	-.0	2	92	7.3	-7.3	.3	2250
2000	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	90	4.5	-4.5	.0	2	86	7.3	-7.3	-.5	2000
1750	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	101	6.4	-6.3	1.3	2	87	7.4	-7.4	-.4	1750
1500	2	79	12.5	-12.3	-2.4	0	0	0.0	0.0	0.0	2	106	8.1	-7.8	2.2	2	91	7.8	-7.8	.1	1500
1250	2	85	8.4	-8.4	-.7	2	103	8.5	-8.3	1.9	2	110	8.2	-7.7	2.9	2	94	8.2	-8.2	.6	1250
1000	2	89	8.8	-8.8	-.1	2	95	8.0	-8.0	.8	2	114	7.7	-7.0	3.2	2	95	8.2	-8.2	.8	1000
750	2	93	8.1	-8.1	.5	2	94	7.6	-7.6	.5	2	114	7.5	-6.8	3.1	2	93	7.7	-7.6	.4	750
500	2	98	5.4	-5.3	.8	2	93	6.5	-6.4	.4	2	117	6.2	-5.5	2.8	0	0	0.0	0.0	0.0	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
		3/15 23 0 GMT					3/16 237 GMT					3/16 1146 GMT					3/16 1835 GMT				
2500	2	84	8.5	-8.5	-.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	2500
2250	2	83	9.0	-8.9	-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	2250
2000	2	77	8.9	-8.6	-2.1	0	0	0.0	0.0	0.0	2	83	9.2	-9.2	-1.1	0	0	0.0	0.0	0.0	2000
1750	2	79	7.2	-7.1	-1.3	0	0	0.0	0.0	0.0	2	81	9.9	-9.8	-1.6	0	0	0.0	0.0	0.0	1750
1500	2	97	6.9	-6.9	.8	0	0	0.0	0.0	0.0	2	80	8.3	-8.2	-1.4	0	0	0.0	0.0	0.0	1500
1250	2	94	7.8	-7.7	.6	0	0	0.0	0.0	0.0	2	80	7.7	-7.6	-1.4	2	105	9.7	-9.3	2.5	1250
1000	2	91	6.9	-6.9	.1	0	0	0.0	0.0	0.0	2	76	7.8	-7.6	-1.9	2	100	9.1	-9.0	1.6	1000
750	2	99	6.4	-6.3	1.0	2	92	6.1	-6.1	.2	2	66	7.7	-7.0	-3.1	2	94	10.0	-10.0	.8	750
500	2	109	5.3	-5.0	1.7	2	90	5.0	-5.0	-.0	2	58	6.7	-5.7	-3.5	2	91	10.3	-10.3	.3	500
250	0	0	0.0	0.0	0.0	2	89	3.7	-3.7	-.1	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	250
		3/17 3 9 GMT					3/17 9 2 GMT					3/17 18 6 GMT					3/19 345 GMT				
2500	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	92	17.1	-17.1	.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	2	93	16.3	-16.3	1.0	0	0	0.0	0.0	0.0	2250
2000	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	94	14.4	-14.3	.9	2	103	16.0	-15.6	3.6	2000
1750	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	1	93	14.0	-13.9	.8	2	97	14.3	-14.2	1.7	1750
1500	2	103	10.9	-10.6	2.4	2	98	13.8	-13.7	2.0	1	92	14.0	-14.0	.5	2	95	13.3	-13.2	1.1	1500
1250	2	98	11.5	-11.4	1.7	2	100	15.6	-15.4	2.8	2	90	13.7	-13.7	-.1	2	88	14.0	-14.0	-.5	1250
1000	2	89	11.6	-11.6	-.3	2	97	14.5	-14.4	1.8	2	87	13.2	-13.2	-.8	2	83	15.0	-14.8	-1.8	1000
750	2	81	11.6	-11.4	-1.8	2	93	12.1	-12.1	.7	2	83	13.0	-12.9	-1.6	2	80	14.9	-14.7	-2.5	750
500	2	73	10.3	-9.8	-2.9	2	93	9.5	-9.5	.5	2	79	11.6	-11.4	-2.2	2	78	14.8	-14.5	-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
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 (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
		3/19 1116 GMT					3/19 1812 GMT					3/20 025 GMT					3/20 1558 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	0	0	0.0	0.0	0.0	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	0	0	0.0	0.0	0.0	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	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	1500
1250	2	96	13.0	-13.0	1.3	0	0	0.0	0.0	0.0	2	101	9.6	-9.4	1.8	0	0	0.0	0.0	0.0	1250
1000	2	91	12.8	-12.8	.2	2	93	14.6	-14.6	.8	2	88	9.5	-9.5	-.3	0	0	0.0	0.0	0.0	1000
750	2	82	12.1	-12.0	-1.7	2	98	14.5	-14.3	2.1	2	85	9.4	-9.3	-.8	2	48	8.8	-6.5	-5.9	750
500	0	0	0.0	0.0	0.0	2	91	13.3	-13.3	.2	2	79	9.5	-9.3	-1.8	2	54	12.4	-10.1	-7.2	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
		3/20 2120 GMT					3/21 4 3 GMT					3/21 616 GMT					3/21 9 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	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	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	2000
1750	2	95	8.4	-8.3	.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	1750
1500	2	95	7.3	-7.2	.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	1500
1250	2	71	6.0	-5.7	-2.0	2	79	8.0	-7.8	-1.5	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	1250
1000	2	61	8.6	-7.5	-4.2	2	65	8.9	-8.0	-3.7	2	75	11.8	-11.4	-3.1	0	0	0.0	0.0	0.0	1000
750	2	61	10.5	-9.2	-5.2	2	58	9.0	-7.6	-4.8	2	66	8.9	-8.1	-3.5	2	67	8.8	-8.1	-3.5	750
500	2	57	10.2	-8.6	-5.6	2	53	6.6	-5.3	-4.0	2	56	10.3	-8.5	-5.7	2	55	8.8	-7.2	-5.1	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
		3/21 1132 GMT					3/21 1828 GMT					3/22 358 GMT					3/22 18 5 GMT				
2500	0	0	0.0	0.0	0.0	2	84	9.4	-9.4	-.9	0	0	0.0	0.0	0.0	2	318	2.6	1.8	-1.9	2500
2250	0	0	0.0	0.0	0.0	2	85	9.2	-9.2	-.8	0	0	0.0	0.0	0.0	2	198	.4	.1	.4	2250
2000	0	0	0.0	0.0	0.0	2	89	9.4	-9.4	-.2	2	84	7.2	-7.2	-.7	2	153	5.1	-2.3	4.6	2000
1750	0	0	0.0	0.0	0.0	2	85	9.4	-9.4	-.8	2	71	7.2	-6.8	-2.3	2	149	9.9	-5.1	8.4	1750
1500	0	0	0.0	0.0	0.0	2	76	9.5	-9.2	-2.2	2	75	7.4	-7.2	-2.0	2	141	12.2	-7.8	9.4	1500
1250	0	0	0.0	0.0	0.0	2	75	9.5	-9.1	-2.4	2	83	8.2	-8.1	-.9	2	130	12.7	-9.8	8.2	1250
1000	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	6.6	1000
750	2	68	12.2	-11.4	-4.6	2	77	8.6	-8.4	-2.0	2	80	9.7	-9.6	-1.6	2	123	11.2	-9.4	6.1	750
500	2	62	11.5	-10.1	-5.5	2	72	7.9	-7.5	-2.5	2	75	9.0	-8.7	-2.3	0	0	0.0	0.0	0.0	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
		3/22 21 7 GMT					3/23 258 GMT					3/23 1123 GMT					3/23 18 8 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	102	10.2	-9.9	2.1	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	92	12.4	-12.4	.5	2250
2000	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	92	11.7	-11.7	.4	2	92	12.0	-12.0	.5	2000
1750	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2	95	10.1	-10.1	.8	2	88	11.6	-11.6	-.4	1750
1500	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	1500
1250	0	0	0.0	0.0	0.0	2	117	8.5	-7.6	3.8	2	96	8.8	-8.7	.9	2	98	11.1	-11.0	1.6	1250
1000	2	115	12.2	-11.0	5.1	2	119	7.7	-6.7	3.8	2	93	7.9	-7.9	.4	2	94	12.3	-12.2	.9	1000
750	2	123	15.3	-12.8	8.3	2	122	7.0	-5.9	3.8	0	0	0.0	0.0	0.0	2	97	10.9	-10.8	1.3	750
500	2	120	11.1	-9.7	5.5	2	124	5.9	-4.9	3.3	0	0	0.0	0.0	0.0	2	98	8.1	-8.0	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
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 (RABAL) SHIP SURVEYOR

	3/24 1823 GMT				3/24 2314 GMT				3/25 531 GMT				3/25 2310 GMT				
H	I	DD	FF	U	V	I	DD	FF	U	V	I	DD	FF	U	V	I	DD	FF	U	V	H
2500	2	93	7.6	-7.5	.4	2	104	8.2	-7.9	2.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2500
2250	2	92	7.9	-7.9	.2	2	113	7.9	-7.3	3.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2250
2000	2	98	8.8	-8.7	1.2	2	117	8.7	-7.7	4.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	2000
1750	2	104	9.5	-9.2	2.3	2	113	9.8	-9.0	3.9	0	0	0.0	0.0	0.0	2	86	12.3	-12.3	-.9	1750
1500	2	107	9.1	-8.7	2.7	2	102	10.7	-10.5	2.3	2	116	7.5	-6.8	3.3	2	88	12.2	-12.1	-.4	1500
1250	2	108	8.2	-7.7	2.5	2	99	11.1	-10.9	1.7	2	107	7.8	-7.5	2.3	2	87	10.5	-10.5	-.5	1250
1000	2	107	7.9	-7.6	2.3	2	103	10.5	-10.2	2.4	2	96	8.7	-8.6	.9	2	85	8.3	-8.2	-.8	1000
750	2	108	7.2	-6.9	2.3	2	106	9.8	-9.4	2.7	2	92	8.6	-8.6	.4	2	79	8.2	-8.1	-1.5	750
500	0	0	0.0	0.0	0.0	2	106	8.5	-8.2	2.3	2	83	7.9	-7.8	-.9	2	73	8.1	-7.7	-2.3	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	0	0	0.0	0.0	0.0	250

	3/26 2313 GMT					3/27 11 4 GMT					3/28 024 GMT					3/30 23 4 GMT					
2500	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	1	98	11.4	-11.3	1.7	2	354	16.3	1.6	-16.3	2500
2250	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	98	11.8	-11.6	1.6	2	10	15.3	-2.6	-15.1	2250
2000	2	81	12.7	-12.5	-2.0	0	0	0.0	0.0	0.0	1	96	10.7	-10.7	1.1	2	29	11.7	-5.6	-10.3	2000
1750	1	80	12.6	-12.4	-2.2	0	0	0.0	0.0	0.0	2	94	9.5	-9.5	.6	2	48	10.3	-7.6	-7.0	1750
1500	0	83	12.1	-12.0	-1.4	0	0	0.0	0.0	0.0	2	92	9.0	-9.0	.3	2	47	12.3	-9.0	-8.4	1500
1250	1	86	10.8	-10.8	-.8	0	0	0.0	0.0	0.0	2	96	9.1	-9.1	.9	2	48	13.0	-9.6	-8.8	1250
1000	1	88	9.5	-9.5	-.4	2	86	10.6	-10.6	-.7	2	99	8.8	-8.7	1.3	2	46	11.3	-8.2	-7.8	1000
750	0	91	8.8	-8.8	.1	2	86	10.0	-10.0	-.7	2	92	8.0	-8.0	.2	2	38	11.3	-6.9	-8.9	750
500	1	95	8.3	-8.3	.7	2	85	8.9	-8.9	-.7	2	86	7.2	-7.1	-.5	2	42	12.6	-8.5	-9.3	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	0	0	0.0	0.0	0.0	250