This was produced from a .doc file generated from a pdf of a document from the NSF Division of Atmospheric Sciences, Dec. 31, 1985. As in the case of the other GARP bibliography, the .doc file presented some challenges, which were faced using Google Scholar.

Some corrections were made, when there were obvious misspellings (probably in the original), and when Google Scholar indicated incorrect author initials, replaced certain letters (e.g., "J" with "O", or skipped letters (e.g., "r" before "m"), or left blanks. Most of the author initials could be corrected, because of familiar replacement patterns and because I was familiar with most of the author names. As to the second set of corrections, repeatability of certain patterns (and Google Scholar) enabled correction of most if not all of these problems.

The second set of corrections were updates, when articles were listed as "in press" or "submitted." Most of the time, I could find the reference and enter in the year, volume, and page numbers in Google Scholar. When I couldn't, I made a parenthetical note that I couldn't find the paper in Google Scholar, which could mean the paper was rejected, that the title had changed enough so that Google Scholar missed it, or that Google Scholar was in error (something I have encountered).

While some errors likely remain, it is likely that references are sufficiently complete that the articles can be found. If needed, a print copy is available at NCAR.

Margaret A. LeMone, 19 May 2015

Bibliography of GARP Papers, 1983 – 1985

Ackerman, S.A., Johnson-Pasqua, C., and Cox, S. K., 1983: *Surface radiation budget during FOG PROJECT - 1982 in Albany, New York,* ASRC-SUNY Pub. No. 984 FOG-82 A cooperative field study of Radiation Fog - ASRC/SUNY Pub. No. 984, 1-18, 1983.

Adejokun, J., and Krishnamurti, T. N., 1983: Further numerical experiments on tropical waves, *Tellus*, 35A, 398-416.

Addis, R.P., Garstang, M., and Emmitt, G. D., 1984: Downdrafts from tropical oceanic cumuli, *Boundary-Layer Meteor*., 28, 23-50.

Agee, E. M., 1984: Observations from space and thermal convection: a historical perspective, *Bull. Amer. Meteor. Soc*., 65, 938-949.

Albrecht, B.A., 1983: A cumulus parameterization for climate studies of the tropical atmosphere, Part I: Model formulation and sensitivity tests, *J. Atmos. Sci.,* 40, 2166-2182.

Albrecht, B.A., 1983: A model study of downstream variations of the thermodynamic structure of the trade winds, *Tellus*, 36A, 187-202.

Albrecht, B.A., 1984: The effects of cumulus heat and moisture transports on the climate of the tropics in a general circulation model, p. 198-202 in: *Pretprint Volume, 15th Technical Conference on Hurricanes and Tropical Meteorology*, January 9-13, 1984, Miami , Florida, American Meteorological Society, Boston, MA.

Albrecht, B.A., 1984: Clouds and climate, *Earth and Mineral Sciences*, 53, 30-31, 1984.

Albrecht, B.A., and Firestone, J., 1983: Low-level inversions and their interactions with convection in the Equatorial Pacific, *Tropical Ocean-Atmosphere Newsletter*, 17, 13-15.

Albrecht, B.A., Penc, R.S., and Schubert, W.H., 1985: An observational study of cloud-topped mixed layers, *J. Atmos. Sci*., 42, 800-822.

Albrecht, B.A., Ramanathan, V., and Boville, B., 1986: The effects of cumulus transports on the simulation of climate with a general circulation model, *J. Atmos*. *Sci*., 43(21), pp.2443-2462.

American Meteorological Society, 1983: Preprint Volume of the First International Conference on Southern Hemisphere Meteorology, July 31 - August 6, 1983, San Jose dos Campos, Brazil, American Meteorological Society, Boston, MA, 391 pp.

Anderson, J. R. and Rosen, R.D., 1983: The latitude-height structure of 40-50 day variations in atmospheric angular momentum, *J. Atmos. Sci*., 40, 1584-1591.

Anderson, J . R., Stevens , D. E., and Julian, P.R., 1984; Temporal variations of the tropical 40-50 day oscillation, Mon. Wea. Rev., 112, 2431-2438.

Angell, J.K., and Korshover, J., 1985: Displacements of the North circumpolar vortex during El Nino, 1963-1983, *Mon. Wea. Rev*., 113, 1627-1630.

Anthes, R.A., 1983: A review of regional models of the atmosphere in middle latitudes , *Mon. Wea. Rev*., 111, 1306-1335, 1983.

Anthes, R.A., 1983: Predictability of mesoscale meteorological phenomena, in: *Proceedings of the Workshop on the Predictability of Fluid Motions*, February 1-4 1983, La Jolla Institute, Scripps Institution of Oceanography, La Jolla, CA.

Anthes, R.A.,1983: Modeling sea-air energy fluxes and their effects on explosive marine cyclogenesis, Paper presented at the Office of Navy Research Workshop on Air-Sea Interaction, February 14-16, 1983, Boulder, Colorado.

Anthes, R.A., 1983: The relative importance of initial data and physics in simulations of a case of explosive marine cyclogenesis, Paper presented at the International Union of Geodesy and Geophysics (IUGG) XVIII General Assembly and the International Association of

Meteorology and Atmospheric Physics (IAMAP) , August 15-27, 1983, Hamburg, Federal Republic of Germany.

Anthes, R.A., 1984: Modeling sea-air energy fluxes and their effects on explosive marine cyclogenesis, Papers in Meteorological Research, *J. Met. Soc. of the Rep. of China*, in press. (not available via Google Scholar).

Anthes, R.A., 1984: Predictability of mesoscale meteorological phenomena, in: G. Holloway and B.J. West, (Eds.), Predictability of Fluid Motions, p. 247-270, American Institute of Physics Conference Proceedings.

Anthes, R. A., 1984: Enhancement of convective precipitation by mesoscale variations in vegetative covering in semiarid regions, *J. Cli. and Appl. Meteor*., 23, 541-554.

Anthes, R.A., 1984: General question of predictability, Paper presented at the Intensive Course on Mesoscale Meteorology and Forecasting, July 8-20, 1984, Boulder, Colorado.

Anthes, R. A., 1984: Cumulus parameterization, and Predictability estimates of mesoscale motions, Papers presented at the Scientific Seminar on Numerical Modeling and Predictability , October 1-5, 1984, Sjudarhojden, Sweden, 1984.

Anthes, R.A., 1984: Predictability of atmospheric motions, Paper presented at the National Meteorological Center Lecture Series, June 5-6, 1984, Washington, D.C.

Anthes, R. A., 1985: Introductions to parameterization of physical processes in numerical models, Paper presented at the ECMWF Seminar on Physical Parameterizations for Numerical Models, September 9-13, 1985, Shinfield Park, Reading, England.

Anthes, R. A., 1985: Review of *Mesoscale Meteorological Modeling* by Roger PieIke, *Bull. Amer. Met. Soc*., 66, 187-188.

Anthes , R. A., 1985: Modeling aspects of marine cyclogenesis, Paper presented at the Fifth Extratropical Cyclone Workshop, April 22-24, 1985, Baltimore, Maryland.

Anthes, R.A., 1985: Parameterization of moist convective effects on the thermodynamic and moisture fields in numerical models , Paper presented at the ECMWF Seminar on Physical Parameterizations for Numerical Models, September 9-13, 1985, Shinfield Park, Reading, England.

Anthes, R.A., 1985: Role of surface inhomogeneities in generating circulations over North America in summer, Paper presented at the Climate Forecasting Symposium to Honor Jerome Namias, October 22, 1985, Scripps Institution of Oceanography, La Jolla, CA.

Anthes, R. A., 1986: Summary of the workshop on the NCAR Community Climate/Forecast Models, July 14-26 1985, Boulder, Colorado, Bull. Amer. Meteor. Soc., 67, 194-198.

Anthes, R. A., and Baumhefner, 1984: D. P., A diagram depicting forecast skill and predictability, *Bull. Amer. Meteor. Soc*., 65, 701-703.

Anthes, R.A., and Carlson, T.N., 1983: Conceptual and numerical models of the evolution of the environment of severe local storms, p. 483-517 in: E.R. Reiter, Z. Baozhen, and Q. Yongfu, (Eds.), Proceedings of the First Sino-American Workshop Meteorology, May 18-23, 1982, Beijing, People's Republic of China, Science Press, Beijing, American Meteorological Society, Boston, MA.

Anthes, R. A., and Haagenson, P. L., 1983: A comparative numerical simulation of the Sichuan flooding catastrophe (11-15 July 1981) , p. 519-524 in: E.R. Reiter, Z. Baozhen, and Q. Yongfu, (Eds.) , Proceedings of the First Sino-American Workshop on Mountain Meteorology, May 18-23, 1982, Beijing, People's Republic of China, Science Press, Beijing, American Meteorological Society, Boston, MA.

Anthes, R. A., Kuo, Y.-H., and Gyakum, J. R., 1983: Numerical simulation of a case of explosive marine cyclogenesis, *Mon. Wea. Rev*., 111, 1174-1188, 1983.

Anthes, R.A., Kuo, Y.-H., Baumhefner, D. P., Errico, R.M., and Bettge, T. W., 1985: Predictability of mesoscale atmospheric motions, Contribution to issues in Atmospheric and Oceanic Modeling, Advances in Geophysics, 28B, 159-202, 1985.

Arakawa, A, and Suarez, M.J., 1983: Vertical differencing of the primitive equations in sigma coordinates, *Mon. Wea. Rev*., 111, 34-45.

Arakawa, A., and Chen, J. -M., 1985: Observational study of the macroscopic behavior of moist convective processes, p. 105-106 in: Preprint Volume, 16th Conference on Hurricanes and Tropical Meteorology, May 14-17, 1985, Houston, Texas , American Meteorological Society, Boston, MA.

Arkin, P., and Webster, P.J.,1985: Annual and interannual variability of tropical-extratropical interaction: an empirical study, Mon. Wea. Rev., 113, 1510-1523.

Astling, E.G., Paegle, J., Miller, E., and O'Brien, C.O., 1985: Boundary layer control of nocturnal convection associated with a synoptic-scale system, *Mon. Wea. Rev*., 113, 540-552.

Atlas, R., Kalnay, E., and Halem, M., 1984: Review of experiments on the impact of satellite data on numerical weather prediction, in *Recent Advances in Civil Space Remote Sensing SPIE*, 481, 108-115.

Atlas, R. , Kalnay, E., and Halem, M., 1985: The impact of satellite temperature sounding and wind data on numerical weather prediction, *Optical Engineering*, 24, 341-346.

Atticks, M.G., and Robinson, G. D.,1983: Some features of the structure of the tropical tropopause, *Quart. J. Roy. Meteor. Soc*., 109, 295-308.

Atwater, M.A., and Ball, J. T., 1983: A radiation model using hourly meteorological data with results from GATE, *Contributions to Atmos. Physics*, 56, 42-57.

Baer, F., and Saha, S., 1986: Vertical and latitudinal statistical profile derived from FGGE data, Submitted to Preprint Volume, National Conference on the Scientific Results of the First GARP Global Experiment, January 13-17, 1986, Miami , Florida, American Meteorological Society, Boston, MA, 3 pp.

Baer, F., and Sheu, P.J., 1983: Computational modes in numerical weather prediction, Paper presented at the Sixth Conference on Numerical Weather Prediction, June 6-9, 1983, Omaha, Nebraska, American Meteorological Society, Boston, MA.

Baer, F., and Tribbia, J.J., 1984: Filtering of gravity modes in atmospheric models, Mon. Wea. Rev., 112, 893-908.

Baker, W. E., 1983: Objective analysis and assimilation of observational data from FGGE, *Mon. Wea. Rev*., 111, 328-342.

Baker, W. E., and Brin, Y., 1985: A comparison of observed and forecast energetics over North America, *Quart. J. Roy. Meteor. Soc*., 111, 641-663, 1985.

Baker, W.E., and Paegle, J., 1983: Influence of the tropics on the prediction of ultralong waves Part l: Tropical wind field , Mon. Wea. Rev., 111, 1341-1355.

Baker, W. E., Atlas, R., Kalnay, E., Halem, M., Woiceshyn, P.M., Peteherych , S., and Edelmann, D.,1984: Large-scale analysis and forecast experiments with wind data from the Seasat-A scatterometer, *J. Geophys. Res*., 89, 4927-4936.

Baker, w.E. , Atlas , R. , Halem, M. and Susskind, J. , A case study of forecast sensitivity to data and data analysis techniques, Mon. Wea. Rev., 112, 1544-1561, 1984.

Baker, W.E., Bloom, S.C., and Nestler, M.S., 1985: Analysis/forecast experiments with a multivariate statistical analysis scheme using FGGE data, p. 476-482 in: *Preprints of the Seventh Conference on Numerical Weather Prediction*, June 17-20, 1985, Montreal, P.Q., American Meteorological Society, Boston, MA.

Baldwin, D., Hsie, E.-Y., and Anthes, R.A., 1984: Diagnostic studies of a two-dimensional simulation of frontogenesis in a moist atmosphere, *J . Atmos. Sci*., 41, 2686-2700.

Baldwin, M. P. , Edmons, H.J., Jr., and Holton, J.R., 1985: A diagnostic study of eddy-mean flow interactions during FGGE SOP-I, *J. Atmos. Sci*., 42, 1838-1845.

Balgovind, R., Dalcher, A., Ghil , M., and Kalnay, E., 1983: A stochastic-dynamic model for the spatial structure of forecast error statistics, *Mon. Wea. Rev*. , 111, 701-722.

Ballish, B.A., and Baer, F., 1985: Normal mode initialization with elementary surface function, *Mon. Wea. Rev*., 113, 241-247.

Balsley, B. B., Crochet, M., Ecklund, W. L., Carter, D.A., Riddle, A.C , and Garello, R., 1983: An ST radar experiment in Southern France during ALPEX, *ALPEX Newsletter*, 4, 3.

Balsley, B.B., Ecklund, W.L., and Fritts, D.C., 1983: VHF echoes from the high-latitude mesosphere and lower thermosphere: observations and interpretations, *J. Atmos. Sci*., 40, 2451-2466.

Bannon, P.R., 1983: Quasi-geostrophic frontogenesis over topography, *J. Atmos. Sci*., 40, 2266-2277.

Bannon, P.R., 1984: A semi-geostrophic model of frontogenesis over topography, *Beitr. fur Phys. Atmos*., 57, 393-408.

Bannon, P.R., 1984: Effects of stratification on surface frontogenesis: warm and cold fronts, *J. Atmos. Sci*., 41, 2021-2026.

Bannon, P.R., 1986: Deep and shallow quasi-geostrophic flow over mountains, accepted for publication, *Tellus*, 38, pp.162-169.

Bannon, P.R, 1985: Flow acceleration and mountain drag, accepted for publication, *J. Atmos. Sci*., 42, pp.2445-2453.

Bannon, P.R., and Mak, M., 1984: Diabatic quasi-geostrophic surface frontogenesis, *J. Atmos. Sci*., 41, 2189-2201.

Bannon, P.R., and Zehnder, J.A., 1985: Surface pressure and mountain drag for transient airflow over a mountain ridge, accepted for publication, *J. Atmos. Sci*., 42, pp.2454-2462.

Barcilon, A., and Drazin, P.G., 1984: A weakly nonlinear theory of amplitude vascillation and baroclinic waves. *J. Atmos. Sci.*, 41, 3314-3330.

Barcelon, A., and Fitzjarrald, D., 1985: A nonlinear steady model for moist hydrostatic mountain waves, *J. Atmos. Sci.*, 42, 58-67.

Barnes, G.M., and Sieckman, K., 1984: The environment of fast- and slow-moving tropical mesoscale convective cloud lines, *Mon. Wea. Rev*., 112,v1782-1794.

Barnes, G.M., Zipser, E.J., Jorgensen, D., and Marks, F., Jr., 1983: Mesoscale and convective structure of a hurricane rainband, *J. Atmo. Sci*., 40, 2125-2137.

Barnett, T.P., 1983: Interaction of the monsoon and Pacific Trade Wind System at interannual time scales, Part I: The equatorial Zone. *Mon. Wea. Rev*., 111, 756-773.

Barnett, T.P., 1984: Interaction of the monsoon and Pacific trade wind system at interannual time scales, Part II. The Tropical band. *Mon. Wea. Rev*., 112, 2380-2387.

Barnett, T.P., 1984. Interaction of the monsoon and Pacific trade wind system at interannual time scales. Part III: A partial anatomy of the Southern Oscillation. *Mon. Wea. Rev.*, 112, 2388-2400.

Barnett, T. P., 1984: Prediction of the El Nino of 1982-83, *Mon. Wea. Rev*., 112, 1403-1407.

Barnett, T. P., Heinz, H.D., and Hasselmann, K., 1984: Statistical prediction of seasonal air temperature over Eurasia, *Tellus*, 36A, 132-146.

Bates, G.T., and Johnson, D. R., 1984: Mass and angular momentum diagnostics of cyclones within numerically simulated linear baroclinic waves, *Mon. Wea. Rev*., 112, 246-258.

Baumhefner, D. P., 1983: The relationship between present large-scale forecast skill and new estimates of predictability error growth, in: *Proceedings of the Workshop on the Predictability of Fluid Motions*, February 1-4, 1983, La Jolla Institute, Scripps Institution of Oceanography, La Jolla, CA.

Baumhefner, D. P., and Bettge, T.W., 1983: Forecast intercomparison of several global models using the FGGE data base, Paper presented at the Sixth Conference on Numerical Weather Prediction, June 6-9, 1983, Omaha, Nebraska, American Meteorological Society, Boston, MA, 11 pp.

Bengtsson, L., Bottger, H., and Kanamitsu, M., 1984: Reply to J. L. McBride's comments on "Simulation of hurricane-type vortices in a general circulation model *Tellus*, 36A.

Benzi, R., Parisi, G., Sutera, A., and Vulpiani, A., 1984:Reply to Wiin-Nie1sen ' s comments on "Simple climate models with periodic and stochastic forcing", *Tellus*, 36A, 90-91, 1984.

Bettge, T.W., 1983: A systematic error comparison between the ECMWF and NMC prediction models, *Mon. Wea. Rev*., 111, 2385-2389.

Bettge, T. W. and Baumhefner, D. P., 1984: Total and planetary-scale systematic errors in recent NMC operational model forecasts, *Mon. Wea. Rev*., 112, 2317-2325.

Betts, A.K., 1983; Atmospheric convection structure and a convective scheme base on saturation point adjustment, p. 69-94 in: *Report of the Workshop on Convection in Large-Scale Numerical Models,* November 1983, ECMWF, Shinfield Park, Reading, England.

Betts , A.K., 1983: Thermodynamics of mixed stratocumulus layers: saturation point budgets, *J. Atmos. Sci*., 40, 2655-2670.

Betts, A. K., 1984: Boundary layer thermodynamics of a high plains severe storm, *Mon. Wea. Rev.*, 112, 2199-2211.

Betts, A. K., 1985: Vector representation of trade cumulus thermodynamic fluxes, *Mon. Wea. Rev.*, 113, 2173-2175.

Betts, A. K., 1985: Diagnostic study of the thermodynamic structure of cloudy boundary layers, in: *Preprints of the 16th Conference on Hurricanes and Tropical Meteorology*, May 14-17, 1985, Houston, Texas, American Meteorological Society, Boston, MA, 2 pp.

Betts, A.K., 1985: Mixing line analysis of clouds and cloudy boundary layers, *J. Atmos. Sci*., 42, 2751-2763.

Betts, A.K., and Miller, M.J., 1984: A new convective adjustment scheme, Parts I and I l, Technical Report No. 43, ECMWF, Reading, Shinfield Park, England, 68 pp.

Betts, A.K., 1986. A new convective adjustment scheme. Part I: Observational and theoretical basis. *Quart. J. of Roy. Meteor. Soc.*, 112, 677-691.

Betts, A.K. and Miller, M.J., 1986. A new convective adjustment scheme. Part II: Single column tests using GATE wave, BOMEX, ATEX and arctic air-mass data sets. *Quart. J. Roy. Meteor. Soc.*, 112, 693-709.

Betts, A.K., and Miller, M.J., 1985: A new convective adjustment scheme for global models, 7 pp. in: Preprints of the Seventh Conference on Numerical Weather Prediction, June 17-20, 1985, Montreal, P.Q., Canada, American Meteorological Society, Boston, MA.

Bilbro, W., Gaynor, E., Husar, R., Jaenicke, R., Patterson, E., Prospero, J.M., and Zoller, W., 1983: Spatial and temporal variability of aerosols on a general basis, in: F. F. Hall, Jr., (Ed.), NOAA Technical Memorandum ERL WPL/IIO(?), pp. 57-91, NOAA-ERL, Boulder, CO.

Binder, P., 1984: The Swiss ALPEX radiosonde data sets: meteorological parameters and kinematic quantities, Laboratory for Atmospheric Physics , ETH Zurich, Switzerland.

Blackmon, M. L., Geisler, J. E., and Pitcher, E.J., 1983: A general circulation model study of January climate anomaly patterns associated with interannual variation of Equatorial Pacific sea surface temperatures, *J. Atmos. Sci*., 40, 1410-1425.

Blake, D., Krishnamurti, T.N., Low-Nam, S., and Fein, J. S., Heat low over the Saudi Arabian Desert (Summer MONEX), Mon. Wea. Rev., 111, 1759-1775.

Bleck, R., 1983: Quasi-geostrophic diagnostics of Alpine lee cyclogenesis events , Paper Presented at the Erice (Sicily) School of Mediterranean Meteorology, May.

Bleck, R., Brummer, R., and Shapiro, M.A., 1984: Enhancement of remotely sensed temperature fields by wind observations from a VHF radar network, *Mon. Wea. Rev.,* 112, 1795-1803.

Bleck, R., and Mattocks, C., 1984: Jet streak dynamics and geostrophic adjustment processes during the initial stages of lee cyclogenesis, Paper presented at the International Symposium on Tibetan Plateau and Mountain Meteorology, 20-24 March 1984, Beijing, China.

Bleck, R., and Mattocks, C., 1984: A preliminary analysis of the role of potential vorticity in Alpine lee cyclogenesis, *Contrib. Atm. Phys*., 57, 357-368.

Bleck, R., and Mattocks, C., 1985: Jet streak dynamics and geostrophic ad Justment processes during the initial stages of lee cyclogenesis, *Mon. Wea. Rev*., 38, 1949-1963.

Blumen, W., 1984: An observational study of instability and turbulence in nighttime drainage winds, *Boundary-Layer Meteor*., 28, 245-270.

Blumen, W., and Cox, K.W., 1984: Analysis of a stretched variable transformation of Scorer's Equation for use in mountain lee-wave studies, *J. Atmos. Sci*., 41, 2108-2112.

Blumen, W., and Cox, K. W., 1984: Lee waves over the Pyrenees: data, analyses, and chronicle, Department of Astrophysical, Planetary, and Atmospheric Sciences, University of Colorado, Boulder, CO.

Blumen, W., and Wu, R., 1983: Baroclinic instability and frontogenesis with Ekman boundary layer dynamics incorporating the geostrophic momentum approximation, *J. Atmos. Sci*., 40, 2630-2637.

Blumen, W., 1985: Reflection of hydrostatic gravity waves in a stratified shear flow: Part I. Theory, *J. Atmos. Sci*., 42, 2255-2263.

Blumen, W., Reflection of hydrostatic gravity waves in a stratified shear flow: Part Il. Application to downslope windstorms, *J. Atmos. Sci*., 42, 2319-2332.

Bosart, L.F., 1984: Reply to L.W. Uccelini's comments on "Comparative diagnostic case study of east coast secondary cyclogenesis under weak versus strong synoptic-scale forcing," *Mon. Wea. Rev*., 112, 2542-2543.

Boyle, J. S., and Chang, C.-P., 1984: Monthly and seasonal winter climatology over the global tropics and subtropics for the decade 1973 to 1983, Volume I; 200 mb winds, Technical Report NPS-63-84-006, Department of Meteorology, Naval Postgraduate School , Monterey, CA, 172 pp.

Boyle, J.S., and Lau, K.M., 1984: Monthly and seasonal winter climatology over the global tropics and subtropics for the decade 1974 to 1983, Volume II: Outgoing longwave radiation, Technical Report NPS-63-84-007, Department of Meteorology, Naval Postgraduate School , Monterey, CA, 58 pp.

Branstator, G., 1983: Horizontal energy propagation in a barotropic atmosphere with meridional and zonal structure, *J. Atmos. Sci*., 40, 1689-1708.

Brill, K.F., Uccellini, L.W., Burkhart, R. P., Warner, T. T., and Anthes, R. A., 1985: Numerical simulations of a transverse indirect circulation and low-level jet in the exit region of an upper-level jet, *J. Atmos. Sci*., 42, 1306-1320.

Brodrick, H.J., The structure of baroclinic zones using TIROS-N temperature retrievals, *Mon. Wea. Rev*., 112, 740-754, 1984.

Bruce, J.G., 1983: The wind field in the Western Indian Ocean and the related ocean circulation, *Mon. Wea. Rev*., 111, 1442-1452.

Buja, L. E., and Chen, T.C., 1984: The maintenance of momentum in the Southern Hemisphere during SOP-I and SOP-2, Technical Report to NASA, NSF, and NOAA, Department of Earth Sciences, Iowa State University, Ames, Iowa, 96 pp.

Byrd, G.P., and Cox, S.K., 1984: A case study of radiative forcing upon a tropical cloud cluster system, *Mon. Wea. Rev*., 112, 173-187.

Cadet , D.L., 1983: The monsoons over the Indian Ocean during summer 1975, Part 11: Break and active monsoons, *Mon. Wea. Rev*., 111, 95-108.

Cadet, D.L., 1983: Mean fields of precipitable water over the Indian Ocean during the 1979 summer monsoon from TIROS-N soundings and FGGE data, *Tellus*, 35B, 329-345.

Cadet , D.L., 1985: The Southern Oscillation over the Indian Ocean, *J. Climatology*, 5, 189-212.

Cadet, D. L., 1986: Fluctuations of precipitable water over the Indian Ocean during the 1979 summer monsoon, accepted for publication, *Tellus A*, 38,170-177.

Cadet, D. L., and Diehl, B.C. , 1984: Interannual variability of surface fields over the Indian Ocean during recent decades, *Mon. Wea. Rev*., 112, 1921-1935, 1984.

Cadet, D. L., and Houston, S. H., Precipitable water over Africa and the Eastern/Central Atlantic Ocean during the 1979 sumer, J. Meteor. Soc. Japan, 62, 761-774.

Campbell, W.H., Blechman, J. B., and Bryson, R. A., 1983: Long-period tidal forcing of Indian monsoon rainfall: an hypothesis, *J. Cli. Appl. Meteor.*, 22, 287-296.

Carr, F. H., Ramamurthy, M., and Rusk, D., 1983: A simple, fast and accurate procedure for initialization of a limited-area model , p. 183-187 in: *Preprints of the Ninth Conference on Numerical Weather Prediction*, June 6-9, 1983, Omaha, Nebraska, Anerican Meteorological Society, Boston, MA.

Carr, F. H., and Ramamurthy, M., 1983: Comparison of Ill-a and Ill-b analyses during the monsoon onset period, *Global Weather Experiment Newsletter*, 1, 27-28.

Carr, F. H., Ramamurthy, M. and Chhabra, B.M., 1986: Observing system experiments for the onset vortex during Summer MONEX, Preprint Volume, National Conference on the Scientific Results of the First Garp Global Experiment, January 13-17, 1986, Miami , Florida, American Meteorological Society, Boston, MA.

Carter, D.A., Balsley, B.B., Ecklund, W. L., Crochet, M., Riddle, A.C., and Garello, R., 1984: Tropospheric gravity waves observed by three closely-spaced ST radars , Technical Report, Aeronomy Laboratory, NOAA, Boulder, CO, 6 pp.

Carter, D.A., Balsley, B.B., Ecklund, W. L., Crochet, M., Riddle, A.C., and Garello, R., 1984: Tropospheric gravity waves observed by three closely-spaced ST radars, MAP Handbook, Volume 14, Aeronomy Laboratory, NOAA, Boulder, Co.

Chang, C.-P.,1985: A review of mid latitude tropical interactions over East Asia during cold surges, Papers in Meteor. Res., 7, in press. (not obvious in Google Scholar)

Chang, C.P., and Lum, K.G., 1985: Tropical-mid latitude interactions over Asia and the Western Pacific Ocean during the 1983/84 northern winter, *Mon. Wea. Rev*., 113, 1345-1358.

Chang, C. P., Millard, J.E., and Chen, G.T.J.,1983: Gravitational character of cold surges during Winter MONEX, *Mon. Wea. Rev*., 111, 293-307.

Chang, C.-P., Perkey, D.J., and Kreitzberg, C.W., 1984: Latent heat induced energy transformations during cyclogenesis, *Mon. Wea. Rev*., 112, 357-367.

Chen, L., and Reiter, E.R., 1986: Sea surface temperature anomalies in the Kuroshio region and temperature anomalies over North America, *Meteorology and Atmospheric Physics,* 35, pp.1-9. (replaces "Arch. Meteor. Geoph. Bioclim., in press, 1985", which was not obvious from Google Scholar)

Chen, L., Reiter, E.R., and Feng, Z., 1985: The atmospheric heat source over the Tibetan Plateau from May to August 1979, *Mon. Wea. Rev*., 113,1771-1790.

Chen, S.-C., 1983: *Numerical simulation of tropical convective cloud clusters with ice parameterization*, M.S. thesis, Department of Atmospheric Sciences, University of Illinois, Urbana, IL. (GATE?)

Chen, S -C., and Trenberth, K. E., 1985: Forced planetary waves in a two-level model and evaluation of the upper boundary condition, *J. Atmos. Sci*., 42, 2415-2438.

Chen, T.C., 1983: The energy exchange between the baroclinic and barotropic components of of atmospheric flow in the tropics during the FGGE summer, Mon. Wea. Rev., 111, 1389-1396.

Chen, T.C., 1985: On the time variation in the tropical energetics of large-scale motions during the FGGE summer, *Tellus*, 37A, 258-275.

Chen, T.C., 1985: On the maintenance of enstrophy in the tropics during the FGGE northern summer, *Mon. Wea. Rev*., 113, 624-640.

Chen, T.C., 1985: On the global water vapor flux and maintenance during FGGE, *Mon. Wea. Rev*., 113, 1801-1819.

Chen, T.C., 1985: On the global water vapor flux and its physical implication, Paper presented at the International Conference on Applied Meteorology and Climatology, March 20-22, 1985, Manila, Philippines.

Chen, T.C., 1985: On the maintenance of the global atmospheric water vapor, Invited paper, Fall Meeting of the American Geophysical Union, December 9-13, 1985, San Francisco, CA.

Chen, T.C., 1986: 40-50 day oscillation of the tropical planetary-scale enstrophy during the northern winter 1978-1979, in: *Preprint Volume, The National Conference on the Scientific Results of the First Global GARP Experiment*, January 13-17, Miami, Florida, 1986, American Meteorological Society, Boston, MA.

Chen, T.C., and Baker, W. E., 1986: Global diabatic heating during SOP-I and SOP-2, *Mon Wea. Rev*., 114, pp.2578-2589.

Chen, T.C., and Lee, Y.H., 1983: A study of kinetic energy generation with general circulation models, *J. Meteorol. Soc. Japan*, 61, 439-448.

Chen, T.C., and Lee, Y. H., 1985: On the structure and energetics of time-mean eddies in the tropics during the FGGE summer, submitted for publication, *Tellus*.

Chen, T.C., and Marshall, H.G., 1984: *A further study on the atmospheric energetics of large-scale motions in the tropics during the FGGE summer*, Technical Report to NSF, Department of Earth Sciences , Iowa State University, Ames, IA, 18 pp.

Chen, T.C., and Marshall , H.G., 1984: Time variation of atmospheric energetics in the FGGE winter, *Tellus*, 36A, 251-268.

Chen, T.C., and Shukla, J., Diagnostics analysis and spectral energetics of a blocking event in the GLAS climate model simulation, *Mon. Wea. Rev*., 111, 3-22.

Chen, T.C., and Van Loon, H., 1985: On the interannual variability of tropical easterly jet, Paper presented at the First WMO Workshop on the Diagnosis and Prediction of Monthly and Seasonal Atmospheric Variations Over the Globe, July 29-August 2 , 1985, University of Maryland, College Park, MD

Chen, T.C., and Yen, M.C., 1985: A note on the kinetic energy budget analysis of the atmospheric baroclinic and barotropic flows, *J. Met. Soc. Japan*, 63, 685-693.

Chen, T.C., and Yen, A., 1985: 40-50 day oscillation associated with the lower-level monsoon jet, submitted for publication, *Mon. Wea. Rev*. (not obvious from Google Scholar)

Chen, T.C., Marshall , H.G., and Vorwald, J.G., 1983: Time variation of the tropical planetary-wave energetics during the FGGE summer, pp. 233-236 in : *Proceedings of the IAMAP and WMO Symposium on the Maintenance of the Quasi -Stationary Components of the Flow in the Atmosphere and Atmospheric Models*, August 30 - September 2, 1983, Paris , France, American Meteorological Society, Boston, MA.

Chen, T.C., Nielsen, J. E., and Tribbia, J.J., 1985: The nonlinear cascading study with a one-level beta-plane model, Paper presented at the Fifth Conference on Atmospheric and Oceanic Waves and Stability, March 4-7, 1985, New Orleans, Louisiana, American Meteorological Society, Boston, MA.

Chen, Y.-L., 1985: Diagnosis of the net cloud mass flux in GATE, *J. Atmos. Sci*., 42, 1757-1769.

Chen, Y.-L., Tropical squall lines over the Eastern Atlantic during GATE accepted for publ ication, *Mon. Wea. Rev*., 113, 2015-2022.

Chervin, R.M., and Druyan, L.M., 1984; The influence of ocean surface temperature gradient and continental ity on the Walker Circulation. Part I: prescribed tropical changes, *Mon. Wea. Rev*., 112, 1510-1523.

Chin, H-N. S., 1985: *Relationship between deep convection and synoptic-scale disturbances in the tropics observed in the northern winter, 1978-1979*, M.S. thesis, Department of Atmospheric Sciences, University of Illinois, Urbana , IL, 80 pp.

Christy, J. R., and Trenberth, K. E., 1985: Hemispheric interannual fluctuations in the distribution of atmospheric mass, *J. Geophys. Res.: Atmospheres*, 90(D5), 8053-8065.

Chu, P.S., 1984: Time and space variability of rainfall and surface circulation in Northeast Brazil - tropical Atlantic sector, *J. Meteor. Soc. Japan*, 62, 363-370.

Chu, P.S., and Park, S.U., 1984: Regional circulation characteristics associated with a cold surge event over East Asia during Winter MONEX, *Mon. Wea. Rev*., 112, 955-965.

Chu, P.S., and Sikdar, D.N., 1983: Characteristics of sea-level pressure and surface temperature variations during Winter MONEX - December 1978, *J. Meteor. Soc. Japan*, 61 , 717-726.

Churchill, D.D., and Houze, R.A., Jr., 1984: Development and structure of winter monsoon cloud clusters on 10 December 1978, *J. Atmos. Sci*., 41, 933-960.

Churchill, D.D., and Houze, R.A., Jr., 1984: Mesoscale updraft magnitude and cloud-ice content deduced from the ice budget of the stratiform region of a tropical cloud cluster, *J. Atmos. Sci*., 41, 1717-1725.

Congbin, F., Fletcher, J., and Slutz, R., 1983: The structure of the Asian monsoon surface wind field over the ocean, *J. CIim. Appl. Meteor*., 22, 1242-1252.

Corte-Real, J.A.M., and Kung, E.C., 1985: A spectral analysis of poleward heat transport during periods of blocking in the Northern Hemisphere, accepted for publ ication, Beitr. Phys. Atmos., 59, 201-215.

Cortes, E., West, B. J., and Lindenberg, K., 1985: On the generalized Langevin equation: classical and quantum mechanical, J*. Chem. Phys*., 82, 2708-2717.

Cox, K.W., and Blumen, W., 1984: *Lee-waves over the Pyrenees data, analyses, and chronicle, 21 - 23 March 1982*, Technical Report, Department of Astrophysical, Planetary and Atmospheric Sciences, University of Colorado, Boulder, Colorado, 131 pp.

Cox, K.W., 1985: Analysis of the Pyrenees lee wave event of 23 March 1982, submitted for publication, *Mon. Wea. Rev*., 114,1146-1166.

Crum, F.X., and Stevens, D.E., 1983: A comparison of two cumulus parameterization schemes in a linear model of wave-CISK, *J. Atmos. Sci*., 40, 2671-2688.

Daley, R., et al., 1985: Objective analysis and assimilation techniques used for the production of FGGE IIIb analyses, *Bull. Amer. Meteor. Soc*., 66, 532-538.

Davidson, N.E., 1984: Short-term fluctuations in the Australian monsoon during Winter MONEX, *Mon. Wea. Rev*., 112, 1697-1708.

Davidson, N.E., McBride, J. L., and McAvaney, B.J., 1983: The onset of the Australian monsoon during Winter MONEX: Synoptic aspects, *Mon. Wea. Rev*., 111, 496-516.

Davidson, N.E., McBride, J. L., and McAvaney, B.J., 1984: Divergent circulations during the onset of the 1978-79 Australian monsoon, *Mon. Wea. Rev*., 112, 1684-1696.

Davies , P.A., and Boyer, D.L., 1984: Quasi-geostrophic flow past isolated obstacles , *Rivista di Meteorologia Aeronautica*, 44, 265-276.

Davis, J.M, Cox, S.K., and McKee, T. B., 1983: Design and verification of a cloud field optical simulator, *J. Clim. and Appl. Meteor*., 22, 947-958.

Davis , J.M., McKee, T.B., and Cox, S.K., 1985: An investigation of the application of the Monte Carlo method to problems in visibility using a local estimate, *Applied Optics*, 24, 3193-205.

Davis, J.M., and Cox, S.K., 1985: Additional confirmation of the validity of laboratory simulation of cloud radiances, *J. Clim. Appl. Meteor*, 25, 398-400

DeMaria, M., and Schubert, W.H., 1984: Experiments with a spectral tropical cyclone model, *J. Atmos. Sci*., 41, 901-924.

Dey, B., and Bhanu Kumar, O.S.R.U., 1982: An apparent relationship between Eurasian Spring snow cover area and the advance of the Indian summer monsoon, *J. Clim. Appl. Meteor*., 21, 1929-1932.

Dey, B., and Bhanu Kumar, O.S.R.U., 1983: Himalayan winter snow cover area and monsoon summer rainfall over India, *J. Geophys. Res*., 83, 5471-5473.

Dey, B., and Bhanu Kumar, O.S.R.U.,1984: Reply to C.F. Ropelewski, A. Robock, et. al. Comments on "Apparent relationship between Eurasian spring snow cover and the advance period of the Indian summer monsoon," *J. Clim. and Appl. Meteor*., 23, 343-344.

Dey, B., and Bhanu Kumar, O.S.R.U., 1985: On the interaction between mid-tropospheric waves and the advance of Indian summer monsoon, *Geographical Review of India*, 46, in press, 1985. (not obvious in Google Scholar)

Dey, B. , and Kathuria, S.N. , Himalayan snow cover area and the onset of sumer monsoon over South India, Kerala, Mausam, 37 , in press, 1986.

Dey, B. , Kathuria, S. N., and Bhanu Kumar, O., 1985: Himalayan summer snow cover and withdrawal of the Indian summer monsoon, *J. Clim. Appl. Meteor*., 24, 865-868.

Diak, G.R., and Gautier, C., 1983: Improvements to a simple physical model for estimating insolation from GOES data, *J. Clim. Appl. Meteor*., 22, 505-508.

Ding, Y. H., Reiter, E.R., 1983: The kinetic energy budget over the West Pacific during dominant trade wind and active monsoon regimes, *Arch. Meteor. Geoph. Bioclim., Ser. A*, 32, 201-229.

Ding, Y.H. , and Reiter, E.R.,1983: Large-scale hemispheric teleconnections with the frequency of tropical cyclone formation over the Northwest Pacific and North Atlantic Oceans, *Arch. Meteorol. Geoph. Bioclim., Ser. A*, 32, 311-337.

Ellingson, R.G., 1982: Errors and uncertainties in NCAR aircraft pyrgeometer data from MONEX, *Bull. Amer. Meteor. Soc*., 63, 1387-1389.

Ellingson, R.G., and Ferraro, R.R., 1983: An examination of a technique for estimating the longwave radiation budget from satellite radiance observations, *J. Clim. Appl. Meteor*., 22, 1416-1423.

Ellingson, R. G., and Serafino, G. N., 1984: Observations and calculations of aerosol heating over the Arabian Sea during MONEX, *J. Atmos. Sci*., 41, 575-589.

Errico, R.M., 1983: Convergence properties of Machenhauer's initialization scheme , *Mon. Wea. Rev*., 111, 2214-2223.

Esbensen, S. K., 1984: A comparison of intermonthly and interannual teleconnection in the 700 mb geopotential height field during the Northern Hemisphere winter, *Mon. Wea. Rev*., 112, 2016-2032.

Esbensen, S. K., and Wang, J. T., 1984: Heat budget analysis and the synoptic environment of GATE cloud clusters , pp. 455-460 in: *Postprints, 15th Technical Conference on Hurricanes and Tropical Meteorology*, January 9-13, Miami , Florida, American Meteorological Society, Boston, MA.

Estoque, M.A. , Shukla, J. , and Jiing, J.G., 1983: African wave disturbances in a general circulation model, *Tellus*, 35A, 287-295.

Fang, L. S., and Rao, G. V., 1985; A study of the model-derived offshore vortices in the Indian Ocean after the monsoon onset, in: *Preprints of the 16th Conference on Hurricanes and Tropical Meteorology*, May 14-17, Houston, Texas , American Meteorological Society, Boston, MA.

Fang, L. S., and Rao, G. V., 1985: The role of land-sea boundary in the monsoon simulation, in: *Preprints, Joint Assembly of LAMAP/IAPSU*, August 5-16, 1985, Honolulu, HI.

Feng, Z., Reiter, E.R., and Longxun, C., 1985: The atmospheric heat budget over the western part of the Tibetan Plateau during MONEX, 1979, *Advances in Atmos. Sci*., 2, 455-68.

Fennessy, M.D., Marx, L., and Shukla, J., 1985" General circulation model sensitivity to 1982-83 Equatorial Pacific sea surface temperature anomalies, *Mon. Wea. Rev*., 115, 858-864.

Fernandez-Partagas, J., and Estoque, M.A., 1985: Characteristics of the ITCZ over the Eastern Pacific, *Mon. Wea. Rev*., 113, 99-105.

Firestone, J., and Albrecht, B.A., 1986: The structure of the atmospheric boundary layer in the central equatorial Pacific during FGGE, *Mon. Wea. Rev*., 114. 2219-2232.

Forbes, G.S., Thomson, D.W. and Anthes, R.A., 1987: Synoptic and mesoscale aspects of an Appalachian ice storm associated with cold-air damming. Mon. Wea. Rev., 115564-591.,

Frank, W.M., 1983: The structure and energetics of the East Atlantic Intertropical Convergence Zone, *J. Atmos. Sci*., 40, 1916-1929.

Frank, W.M., 1983: A review of the cumulus parameterization Problem. *Mon. Wea. Rev.*, 111, 1859-1871.

Frank, W.M., 1984: A composite analysis of the core of a mature hurricane. *Mon. Wea. Rev., 112.* 2401-2420.

Frank, W. M., and Cohen, C., 1985: Properties of tropical cloud ensembles estimated using a cloud model and an observed updraft population, *J. Atmos. Sci*., 42, 1911-1928.

Franklin, J., and Julian , P.R., 1985: An investigation of omega wind-finding accuracy, *J. Atmos. and Ocean. Tech*., 2, 212-231.

Freeman, L.E., 1984: The Saudi Arabian heat low: A numerical perspective (Mixed Layer, Mesoscale Model, Radiative Heating), Colorado State University.

Freeman, L.E., and Cox, S.K., 1985: The Saudi Arabian heat low: A numerical perspective, submitted for publication, *J. Atmos. Sci*. (couldn't find in Google Scholar, so added 1984 Freeman CSU document)

Friehe, C.A., Beardsley, R.C., Winant, C.D., and Dean, J.P., 1984: Intercomparison of aircraft and surface buoy meteorological data during CODE-I, *J. Atmos. and Ocean. Tech*., 1, 79-86.

Gage, K. S., and Nastrom, G.D., 1984: On the interpretation of the variance spectrum of velocity observed by ST/MST radars , 5 pp. in: *Preprint Volume, 22nd Conference on Radar Meteorology*, September 1-13, 1984,Zurich, Switzerland, American Meteorological Society, Boston, MA.

Gage, K. S., and Nastrom, G. D., 1985: On the spectrum of atmospheric velocity fluctuations seen by MST/ ST radar and their interpretation, *Radio Sci*., 20, 1339-1347.

Gage, K. S. , and Nastrom, G. D., 1986: Theoretical interpretation of atmospheric wavenumber spectra of wind and temperature observed by commercial aircraft during GASP, submitted for publication, *J. Atmos. Sci*., 43, 729-740.

Gamache, John F. , and Houze, Robert A. Jr., Water budget of a mesoscale convective system in the tropics, *J. Atmos. Sci*., 40, 1836-1850, 1983.

Gamache, J.F., and Houze, R. A., Jr., 1985: Further analysis of the composite wind and thermodynamic structure of the 12 September GATE squall line, *Mon. Wea. Rev*., 1241-1259.

Gautier, C., Diak, G., and Masse, S., 1984: An investigation of the effects of spatially averaging satellite brightness measurements on the calculation of insolation, *J. Clim. and Appl. Meteor*., 23, 1380-1386

Geisler, J.E., Blackmon, M. L., Bates, G. T., and Munoz, S., 1985: Sensitivity of January climate response to the magnitude and position of equatorial Pacific Sea surface temperature anomalies, *J. Atmos. Sci*., 42, 1037-1049.

Geotis, S.G., and Houze, R. A., Jr., 1985: Rain amounts near and over North Borneo during winter MONEX, *Mon. Wea. Rev.,* 113,1824-1828.

Goerss, J., and Duchon, C., 1985: Prediction of soil moisture using autoregressive forecast models, Paper presented at the Fourth Conference on Applied Climatology, May 21-23, 1985, Scottsdale, Arizona, American Meteorological Society, Boston, MA.

Goswami, B. N., and Shukla, J., 1984: Quasi-periodic oscillations in a symmetric general circulation model, *J. Atmos. Sci*., 41, 20-37.

Goswami , B. N., Shukla, J., Schneider, E.K., and Sud, Y.C., 1984: Study of the dynamics of the Intertropical Convergence Zone with a symmetric version of the GLAS climate model , *J. Atmos. Sci*., 41, 5-19.

Gray, W.M., 1984: Atlantic seasonal hurricane frequency, Part I: El Nino and 30 mb quasi-biennial oscillation influences , *Mon. Wea. Rev*., 112, 1649-1668.

Gray, W.M., 1984: Atlantic seasonal hurricane frequency, Part Il : Forecasting its variability, *Mon. Wea. Rev*., 112, 1669-1683.

Grossman, R. L., 1984: Bivariate conditional sampling of moisture flux over a tropical ocean, *J. Atmos. Sci*., 41, 3238-3253.

Grossman, R. L., and Durran, D. R., 1984: Interaction of low-level flow with the western Ghat mountains and offshore convection in the summer monsoon, *Mon. Wea. Rev*., 112, 652-672.

Grossman, R. L., and Friesen, R., 1985; Electra vertical air motions in Summer MONEX: using the aircraft as an air motion sensor and notification of a data labeling error, *Bull. Amer. Meteor. Soc.*, 66, 651-656.

Grotjahn, R., and Chervin, R.M., 1984: Animated graphics in meteorological research and presentations, *Bull. Amer. Meteor. Soc*., 65, 1201-1208.

Grotjahn, R., 1985: Group velocity errors caused by finite differencing: ameteorological perspective, *Math. Comp. Sim*., 27, 37-46.

Grotjahn, R., 1985: A finite amplitude eigenmode technique to solve and analyze nonlinear equations. Lect. Appl. Math, Part 1, 271-278.

Gruber, A., and Krueger, A.F., 1984: The status of the NOAA outgoing longwave radiation dataset. *Bull. Amer. Meteor. Soc.*, 65, 958-962.

Gruber, A., Ruff, I., and Earnest, C., 1983: Determination of the planetary radiation budget from TIROS-N Satellites. NOAA Technical Report, Washington, D. C., 12 pp.

Gutzler, D.S., and Mo, K.C., 1983: Autocorrelation of Northern Hemisphere geopotential heights, Mon. Wea. Rev., 111, 155-164.

Gutzler, D.S., and Shukla, 1984: J., Analogues in the wintertime 500 mb height field, *J. Atmos. Sci*., 41, 177-189.

Hack, J.J., Schubert, W.H., and Silva Diaz, P. L., 1984: A spectral cumulus parameterization for use in numerical models of the tropical atmosphere, *Mon. Wea. Rev.,* 112, 704-716.

Hafner, T.A., and Smith, R. B., 1985: Pressure drag on the European Alps in relation to synoptic events, *J. Atmos. Sci*., 42, 562-575.

Hanna, A. F., Reiter, E.R., and Stevens, D. E., 1984: Short-term climatic fluctuations forced by thermal anomalies, *J. Atmos. Sci*., 41, 122-141.

Hansen, A. R., and Sutera, A., 1984: A comparison of the spectral energy and enstrophy budgets of blocking versus nonblocking periods, *Tellus*, 36A, 52-63, 1984.

Hartmann, D. L., Mechoso, C.R., and Yamazaki, K., 1984: Observations of wave-mean flow interaction in the Southern Hemisphere, *J. Atmos. Sci*., 41, 351-362.

Hartmann, D. L., Hendon, H.H., and Houze, Jr., R. A., 1984: Some implications of the mesoscale circulations in tropical cloud clusters for large-scale dynamics and climate, *J. Atmos. Sci*., 41, 113-121, 1984.

Hastenrath, S., 1985: Climate and circulation of the Tropics. Reidel Publishing Co., Dordrecht.

Hastenrath, S., 1983: Comments on "Correlations between the Tropical Atlantic trade winds and precipitation in northeastern Brazil," *J. Climatol.*, 3, 207-209.

Hastenrath, S., 1984: Interannual variability and annual cycle: Mechanisms of circulation and climate in the Tropical Atlantic sector, *Mon. Wea. Rev.*, 112, 1097-1107.

Hastenrath, S., 1984: On meridional transports of heat and freshwater in the Pacific Ocean. *Archiv. Meteor. Geophys. Bioklim, Ser. A,* 33. 91-99.

Hastenrath, S., 1984: On the interannual variability of poleward transport and storage of heat in the ocean-atmosphere system. *Archiv. Meteor. Geophys. Bioklim*, Ser A, 33, 1-10.

Hastenrath, S., 1984: Predictability of Northeast Brazil droughts, Nature, 307, 531-533.

Hastenrath, S., 1984: Prediction of Northeast Brazil droughts, in: *Proceedings of the Eighth Climate Diagnostics Workshop*, October, 1983, Toronto , Canada.

Hastenrath, S., and Rosen, A., 1983: Patterns of India monsoon rainfall anomalies, Tellus, 35A, 324-331.

Hastenrath, S., and Wu, M.S., 1983: On upper-air mechanisms of the Soutnern Oscillation , *Tropical Ocean - Atmosphere Newsletter*, 17, 2-4.

Hastenrath, S., Wu, M.C., and Chu, P.S., 1984: Towards the monitoring the prediction of Northeast Brazil droughts, *Quart. J. Roy. Meteor. Soc*.. 110, 411-425.

Hayes, 0. L., Williams, R. T., and Rennick. M.A., 1984: Numerical study of lee cyclogenesis, *Zbornik, Meteoroloshkih*, 10, 80-83.

Hayes, J. L., 1985: *A numerical and analytical investigation of lee cyclogenesis,* Ph.D. Thesis, Department of Meteorology, Naval Postgraduate School, Monterey, CA, 138 pp.

Held, I .M., Panetta, R.L., and Pierrehumbert, R. T., 1985: Stationary external Rossby waves in vertical shear, *J. Atmos. Sci.,* 42, 865-883.

Held, I.M., Pierrehumbert, R. T., and Panetta, R. L., 1986: Dissipative destabilization of external Rossby waves, *J. Atmos. Sci*., 43, 388-96

Helfand, H.M., and Kalnay, E., 1983: A model to determine open or closed cellular convection, *J. Atmos. Sci*., 40, 631-650.

Hel fand, H.M., 1985: A new scheme for the parameterization of the turbulent boundary layer in the GLAS Fourth Order GCM, p. 348-354 in: *Preprints, Seventh Conference on Numerical Weather Prediction*, June 17-20, 1985, Montreal, P.Q., Canada, American Meteorological Society, Boston, MA.

Hirst, A.C., 1985: Free equatorial instabilities in simple coupled atmosphere-ocean models, in: J.C.J. Nihoul, (Ed.), *Coupled Ocean-Atmosphere Models*, p. 153-165, Elsevier Oceanography Series, 40, Elsevier, Amsterdam, Holland.

Hirst , A.C., 1985: Destabilization of equatorial ocean waves by atmosphere-ocean coupling, *Tropical Ocean-Atmosphere Newsletter*, 29, 16-18.

Hirst, A.C., 1986: Unstable and damped equatorial modes in simple coupled ocean-atmosphere models, accepted for publication, J. Atmos. Sci., 43, 606-32.

Hirst, A.C., and Hastenrath, S., 1983: Atmosphere-ocean mechanisms of climate anomalies in the Angola - tropical Atlantic sector, *J. Phys. Oceanogr.*, 13, 1146-1157.

Hirst, A. C., and Hastenrath, S., 1983: Diagnostics of hydrometeorological anomalies in the Zaire (Congo) basin, *Quart. J. Roy. Meteor. Soc*., 109, 879-890.

Hirst, A,C. , and Hastenrath, S., 1983: Remote forcing of sea surface temperature and rainfall anomalies at the Angola coast, *Tropical Ocean - Atmosphere Newsletter*, 20, 6-7.

Holland, G.J., 1984: On the climatology and structure of tropical cyclones in the Australian/ southwest Pacific region, I: Data and tropical storms, *Aust. Met. Mag*., Canberra, 32, 1-15.

Holland, G.J., 1984: On the climatology and structure of tropical cyclones in the Australian/southwest Pacific region, Il: Hurricanes, *Aust. Met. Mag*., 32,17-31.

Holland, G.J., 1984?, On the climatology and structure of tropical cyclones in the Australian/southwest Pacific region, Ill: Intensity change and the major hurricanes, Aust. Met. Mag. (submitted 1983, not found in Google Scholar).

Holland, G. J., and Merrill, R. T., The hurricane game, *Bull. Amer. Meteor. Soc*., 1983, replaced by:

Holland, G.J., Berzins, I.A. and Merrill, R.T., 1985. The Cyclone Game: Simulation of a Tropical-Cyclone Warning Center. *Bull. Amer. Meteor. Soc.*, 66, 1521-1524.

Holt, T., and SethuRaman, S., 1984: A study of the monsoon boundary layer over the Arabian Sea and the Bay of Bengal, In *Postprint Volume, 15th Technical Conference on Hurricanes and Tropical Meteorology*, January 9-13, 1984, Miami , Florida, American Meteorological Society, Boston, MA.

Holt, T., and SethuRaman, S., 1985: Aircraft and snip observations of the mean structure of the marine boundary layer over the Arabian Sea during MONEK 79, *Boundary-Layer Meteor.*, 259-282.

Holt, T., and SethuRaman, S., 1986: Observations of the mean and turbulence structure of the marine boundary layer over the Bay of Bengal during MONEX 79, *Mon. Wea. Rev*., 114, 2176-2190.

Holt, T., and SethuRaman, S., A comparison of the precipitable water and associated mean boundary layer structure over the Arabian Sea and the Bay of Bengal during various phases of the monsoon, submitted to *Tellus*, 1985. (not found in Google Scholar).

Holt, T., and SethuRaman, S., 1986: Variation of turbulence in the marine boundary layer over the Arabian Sea during Indian Southwest Monsoon (MONEX 79), *Boundary-Layer Meteor*., 37, 71-87.

Holt, T. and SethuRaman, S., 1987: A comparison of the significant features of the marine boundary layers over the east central Arabian Sea and the north central Bay of Bengal during MONEX-79. *Mausam*, 38,171-176.

Holt, T., and SethuRaman, S., 1985; Mean and turbulent structure of the mixed layers over a tropical ocean (Arabian Sea), Paper presented at the Seventh Symposium on Turbulence and Diffusion, November 12-15, 1985, Boulder, Colorado, American Meteorological Society, Boston, MA.

Holt, T., and SethuRaman, S.,1986; A comparison of the significant features of the marine boundary layers over the Arabian Sea and the Bay of Bengal, submitted to *Preprint Volume, National Conference on the Scientific Results of the First GARP Global Experiment*, January 13-17, 1986, Miami , Florida, American Meteorological Society, Boston, MA.

Hoskins, B.J., 1983: Dynamical processes in the atmosphere and the use of models, *Quart. J. Roy. Meteor. Soc*., 109, 1-21.

Houze, R.A., Jr., and Churchill, D.D., 1984: Microphysical structure of winter monsoon cloud clusters, *J. Atmos. Sci*., 41, 3405-3411.

Houze, R. A., Jr., and Rappaport, E. N., 1984: Air motions and precipitation structure of an early summer squall line over the Eastern Tropical Atlantic, *J. Atmos. Sci*., 41, 553-574.

Howland, M. R., and Sikdar, D.N., The moisture budget over the northeastern Arabian Sea during premonsoon and monsoon onset, *Mon. Wea. Rev*., 111, 2255-2268, 1983.

Holloway, G., 1983: Effects of planetary wave propagation and finite depth on the predictability of atmospheres, *J. Atmos. Sci*., 40, 314-327.

Hsie, E.-Y., Anthes, R. A., and Keyser, D., 1984: Numerical simulation of frontogenesis in a moist atmosphere, *J. Atmos. Sci*., 41, 2581-2594.

Hsie, E. -Y., and Anthes, R. A., 1984: Simulations of frontogenesis in a moist atmosphere using alternative parameterizations of condensation and precipitation, *J. Atmos. Sci*., 41, 2701-2716.

Hsu, S.A., 1983: Measurements of the height of the convective surface boundary layer over an arid coast on the Red Sea, *Boundary-Layer Meteor*., 28, 391-396.

Hsu, S.A., 1983: On the growth of a thermally modified boundary layer by advection of warm air over a cooler sea, *J. Geophys. Res*., 88, 771-114.

Huang, H.-J., 1984: Daily variations of convective cloud systems in the tropics during FGGE SOP-I, 10-27 January 1979, P. 265-268, in: *Preprint Volume, 15th Conference on Hurricanes and Tropical Meteorology*, January 9-13, 1984, Miami , Florida, American Meteorological Society, Boston, MA.

Huang, H.-J., and Vincent, D.G., 1983: Major changes in circulation features over the South Pacific during FGGE, 10-27 January 1979, *Mon. Wea. Rev*., 111, 1611-1618.

Huang, H.-J., and Vincent, D.G., 1984: Potential to kinetic energy conversion in wave number domain for the Southern Hemisphere, p. 320-325 in: *Preprint Volume, 10th Conference on Weather Forecasting and Analysis*, June 25-29, 1984, Clearwater Beach, Florida, American Meteorological Society, Boston, MA.

Huang, H.-J., and Vincent, D.G.,1985: Significance of the South Pacific Convergence Zone in energy conversions of the Southern Hemisphere during FGGE, 10-27 January 1979, *Mon. Wea. Rev*., 113, 1359-1371.

Inoue, M., and O'Brien, J.J., 1984: A forecasting model for the onset of a maJor El Nino, *Mon. Wea. Rev*., 112, 2326-2337.

International Monex Management Center, 1983: MONEX Data set, 5.2 Oceanographic data, MONEX ships, Tesac, Technical Report, International MONEX Management Centre, India Meteorological Department, New Delhi, India, 172, pp.

Jacqmin, D., and Lindzen, R.S., 1985: The causation and sensitivity of the northern winter planetary waves, *J. Atmos. Sci*., 42, 724-745.

Johnson, D. R., and Downey, W.K., 1982: On the energetics of open systems, *Tellus*, 34, 458-470.

Johnson, D. R. , and Uccellini, L.W. 1983; comparison of methods for computing the sigma-coordinate pressure gradient force for flow over sloped terrain in a hybrid theta-sigma model, *Mon. Wea. Rev*., 111, 870-886.

Johnson, D. R., Townsend, R.D., and Wei , M.-Y., 1985: The thermally coupled response of the planetary scale circulation to the global distribution of heat sources and sinks, *Tellus*, 37A, 106-125.

Johnson, R. H., 1984: Partitioning tropical heat and moisture budgets into cumulus and mesoscale components: Implications for cumulus parameterization, *Mon. Wea. Rev*., 112, 1590-1601.

Johnson, R. H., and Houze, R. A., Jr., 1987: Precipitating cloud systems of the Asian Monsoon, p. 298-353, in: C.-P. Chang and T. N. Krishnamurti , (Eds.), *Monsoon Meteorology*, Oxford University Press , London, England and New York.

Johnson, R. H., and Nicholls, M.E., 1983: A composite analysis of the boundary layer accompanying a tropical squall line, *Mon. Wea. Rev*., 111, 308-319.

Johnson, R. H., and Young, G. S., 1983: Heat and moisture budgets of tropical mesoscale anvil clouds, *J. Atmos. Sci*., 40, 2138-2147.

Johnson, R. H., and Zimmerman, J.R., 1985: Response of the boundary layer over the south China Sea to a winter monsoon cold surge, Paper presented at the 16th Conference on Hurricanes and Tropical Meteorology, May 14-17, 1985, Houston, Texas, American Meteorological Society, Boston, MA, 4 pp.

Johnson, R. H., Young, G. S., Toth, O.J., and Zehr, R.M., 1984: Mesoscale weather effects of variable snow cover over northeast Colorado, *Mon. Wea. Rev*., 112, 1141-1152.

Johnson-Pasqua, C., Cox, S.K., and McKee, T. B., 1983: Fort Collins solar radiation data, January 1980 - December 1982, Climatology Report #83-4, Colorado State University, Fort Collins , CO 80523, 119 pp.

Jorgensen, D. P., Zipser, E.J., and LeMone, M.A., 1985: Vertical motions in intense hurricanes, *J. Atmos. Sci*., 42, 839-856.

Julian, P.R., 1984: Objective analysis in the tropics: A proposed scheme, *Mon. Wea. Rev*., 112, 1752-1767.

Julian, P.R., 1983: A contribution to the problem of the variability of surface winds in the equatorial pacific, *Tropical Ocean-Atmosphere Newsletter*, 19, 2-4, 1983,

Julian, P.R., 1984: The FGGE Tropical Observing System and the Assimilation of Data, in: Proceedings of the ECMWF Seminar on Data Assimilation Experiments with Particular Emphasis on FGGE, Reading, England, 2-7 September, 1984, ECMWF, Reading, Shinfield Park, England.

Julian, P.R., 1984: The tropical special observing system, in: *Proceedings of the Workshop on Global Observations and Understanding of the General Circulation of the Oceans*, 8-12 August 1984, Woods Hole, Massachusetts, National Academy Press, Washington, D.C.

Jusem, J.C., and Barcilon, A., 1985: Simulation of moist, mountain waves with an anelastic model, accepted for publication, Geophys. Astrophys. Fluid Dyn., 33, 259-276.

Kalnay, E., and Atlas, R., 1985: Global analysis of ocean surface wind data and wind stress using the GLAS GCM and Seasat scatterometer winds, *J. Geophys. Res*., 91(C2), 2233-2240.

Kalnay, E., and Livezey, R., 1985: Weather predictability beyond a week: An introductory review, in: M. Ghil, R. Benzi and G. Parisi, (Eds.), *Turbulence and Predictability in Geophysical Fluid Dynamics and Climate Dynamics*, North-Holland, 311-346.

Kalnay, E., and Mo, K.C., 1986: Mechanistic experiments to determine the origin of short scale Southern Hemisphere stationary Rossby waves, accepted for publication, *Advances in Geophys*., 29, 415-442, Elsevier.

Kalnay, E. , Atlas, R., Baker, W., and Halem, M., 1984: Forecast skill impact of drifting buoys in the Southern Hemisphere, in: *Preprint Volume, 10th Conference on Weather Forecasting and Analysis*, June 25-29, Clearwater Beach, Florida, American Meteorological Society, Boston, MA.

Kalnay, E., Paegle, J., and Mo, K. C., 1986: Large-amplitude, short-scale stationary Rossby waves in the Southern Hemisphere: Observations and their possible origin, *J. Atmos. Sci*., 43, 252-275.

Kann, D.M., 1985: Case study of a tropical cyclone in the South Pacific during FGGE, p. 16-17, in : *Preprint Volume, 16th Conference on Hurricanes and Tropical Meteorology*, Houston, Texas, May 13-17 , 1985, American Meteorological Society, Boston, MA.

Kao, C. Y., 1985: A cumulus parameterization study with special attention to the Arakawa-Schubert scheme, Ph. D. thesis, Department of Atmospheric Sciences, University of Illinois, Urbana, 214 pp. (GATE)

Kao, C. Y., and Ogura, Y., 1985: Response of cumulus clouds to large-scale forcing and Arakawa-Schubert cumulus parameterization, p. 107-108 in: *Preprint Volume, 16th Conference on Hurricanes and Tropical Meteorology*, May 14-17, Houston, Texas, American Meteorology Society, Boston, MA.

Kasahara, A., 1984: The linear response of a stratified global atmosphere to tropical thermal forcing, *J. Atmos. Sci*., 41, 2217-2237.

Kasahara, A., 1984: Recent mathematical and computational developments in numerical weather prediction, in: S. Parter, Ed., Large-Scale Scientific Computation, p. 95-125, Academic Press, New York, NY.

Kasahara, A., and Mizzi, A. P., 1983: Diurnal variations of the divergence field in the ECMWF level Ill-b analysis data, Informal Report, National Center for Atmospheric Research, Boulder, Colorado, 7 pp.

Kasahara, A., and Shigehisa, Y., 1983: Orthogonal vertical normal modes of a vertically staggered discretized atmospheric model , *Mon. Wea. Rev*., 111, 1724-1735.

Keshavamurty, R.N., 1983: Southern Oscillation: Further studies with a GFDL general circulation model , *Mon. Wea. Rev*., 111, 1988-1997.

Keyser, D., and Anthes, R. A., 1986: Comments on "Frontogenesis in a moist semi-geostrophic model," by Man Kin Mak and Peter R. Bannon, *J. Atmos. Sci*., 43, 1051-1054.

Keyser, D.A., and Johnson, D. R., 1984: Effects of diabatic heating on the ageostrophic circulation of an upper tropospheric jet streak, *Mon. Wea. Rev*., 112, 1709-1724.

Khalsa, S.J.S., 1983: The role of sea surface temperature in large-scale air-sea interaction, *Mon. Wea. Rev.,* 111, 954-966.

Kidder, S. Q., and Shyu, K., 1984: On the potential use of satellite sounder data in forecasting tropical cyclone motion, *Mon. Wea. Rev*., 112, 1977-1984.

Kidder, S.Q., and Wu, H.-T., 1984: Dramatic contrast between low clouds and snow cover in daytime 3.7 μm imagery, *Mon. Wea. Rev*., 112, 2345-2346.

Kitade, T., 1983: Nonlinear normal mode initialization with physics, *Mon. Wea. Rev*., 111, 2194-2213.

Koehler, T.L., and Min, K.D., 1984: Available potential energy and extratropical cyclone activity during the FGGE year, *Tellus*, 36A, 64-75.

Koehler, T. L., and Whittaker, L.M., 1985: A two-week evaluation of available potential energy and kinetic energy from NMC and ECMWF analyses , *Mon. Wea. Rev*., 113, 865-877.

Koehler, T. L., Derber, J.C., Schmidt, B.D., and Horn, L. H., 1983: An evaluation of soundings, analyses and model forecasts derived from TIROS-N and NOAA-6 satellite data, *Mon. Wea. Rev*., 111, 562-571.

Kottalam, J., Lindenberg, K , and West, B. J., 1985: Statistical replacement for systems with delta-correlated fluctuations, submitted for publication, *J. Statistical Phys*.

Kottalam, J., West, B.J ., and Lindenberg, K., 1985: Fluctuations and dissipation in multiple flow equilibria, *J. Atmos. Sci*., (Preprint, according to Google Scholar).

Kpaeyeh, J.A.G., and Chen, T. C., 1984: On the annual variation of water vapor transport over Africa, Technical Report to NSF, Department of Earth Sciences, Iowa State University, Ames, IA, 90 pp.

Krejcha, B., and Young, J.A., 1985: Space-time evolution of mesoscale cellular convection: Interpretation of geostationary satellite imagery, submitted for publication, *J. Atmos. Sci*.

Krishnamurti , T.N.,1985: Summer monsoon experiment - a review, *Mon. Wea. Rev*., 113, 1590-1626.

Krishnamurti , T.N., Wong, V., Pan. H.L., Pasch, R., Molinari, J., and Ardanuy, P., 1983: A three-dimensional planetary boundary layer model for the Somali jet, *J. Atmos. Sci*., 40, 894-908.

Krishnamurti, Low-Nam, S., and Pasch, R., 1983: Cumulus parameterization and rainfall rates Il , *Mon. Wea. Rev*., 111, 815-828.

Krishnamurti, T.N., Pasch, R.J., Pan, H.L., Chu, S. H., and Ingles , K., 1983: Details of low latitude medium range numerical weather prediction using a global spectral model I : Formation of a monsoon depression, *J. Meteor. Soc. Japan*, 61, 188-207.

Krishnamurti, T.N., Surgi, N., and Manobianco, J., 1984: *Recent results on divergent circulations over the global tropics*, Technical Report, 84-1, Department of Meteorology, Florida State University, Tallahassee, FL, 34 pp.

Krishnamurti, T. N., Jayakumar, P. K., Sheng, J., Surgi, N., and Kumar, A., 1985: Divergent circulations on the 30 to 50 day time scale, *J. Atmos. Sci*., 42, 364-375.

Krishnamurti, T. N., and Gadgil, S., 1985: On the structure of the 30 to 50 day mode over the globe during FGGE, *Tellus*, 37A, 336-360.

Krishnamurti, T.N., Ingles, K., Cocke, S., Pasch, R., and Kitade, T., 1984: Details of low latitude medium range numerical weather prediction using a global spectral model Part Il, Effects of orography and physical initialization, *J . Met. Soc. Japan*, 62, 613-649.

Kung, E.C.,1983: Reply to C. S. Ramage′s comments on "Regression Forecasting of the onset of the Indian summer monsoon with antecedent upper air conditions," *J. Clim. Appl. Meteor*., 22, 1134-1135.

Kung, E.C., and Tanaka, H., 1983: Energetics analysis of the global circulation during the Special Observation Period of FGGE, *J. Atmos. Sci*., 40, 2575-2592.

Kung, E.C., and Tanaka, H., 1984: Spectral characteristics and meridional variations of energy transformations during the first and second Special Observation Periods of FGGE, *J. Atmos. Sci*., 41, 1836-1849.

Kung, E.C., and Tanaka, H., 1985: Long-Range Forecasting of temperature and precipitation with upper-air parameters and sea surface temperature in a multiple regression approach, *J. Meteor. Soc. Japan*, 63, 619-631.

Kung, E.C., Masters, S.E., and Corte-Real, J.A.M., 1983: Large-scale energy transformations in the high latitudes of the Northern Hemisphere, *J. Atmos. Sci*., 40, 1061-1072.

Kuo, Y.-H., and Anthes, R. A., 1983: Numerical simulation of a Mei-Yu system over Southeastern Asia, *Papers in Meteorological Research, Meteorological Society of the Republic of China,* 5, 1, 15-36.

Kuo, Y. -H., and Anthes, R.A., 1984: Accuracy of diagnostic heat and moisture budgets using SESAME-79 field data as revealed by observing system simulation experiments, *Mon. Wea. Rev*., 112, 1465-1481.

Kuo, Y. -H., and Anthes, R. A., 1984: Mesoscale budgets of heat and moisture in a convective system over the Central United States, *Mon. Wea. Rev*., 112, 1482-1497.

Kuo, Y. -H., and Anthes, R. A., 1984: Semiprognostic tests of Juo-type cumulus parameterization schemes in an extratropical convective system, *Mon. Wea. Rev*., 112, 1498-1509.

Kuo, Y. -H., and Anthes, R. A., 1985: Calculation of geopotential and temperature fields from an array of nearly continuous wind observations, *J. Atmos. Ocean. Tech.*, 2, 22-34.

Kuo, Y. -H., Cheng, L., and Anthes, R. A.,1986: Mesoscale analysis and diagnostics of Sichuan flood catastrophe: 11-15 July 1981, *Mon. Wea. Rev*., 114, 1984-2003.

Kuo, Y.-H., and Anthes, R.A., 1984: Preliminary numerical experiments on mesoscale predictability, Paper presented at the 10th Conference on Weather Forecasting and Analysis, June 25-29, 1984, Clearwater Beach, Florida, American Meteorological Society, Boston, MA.

Lamb, P.J., 1983: West African water vapor variations between recent contrasting subsaharan rainy seasons, *Tellus*, 35A, 198-212.

Lau, W.K.M., 1982: Equatorial response to northeasterly cold surges during winter monsoon as inferred from satellite cloud imageries, *Mon. Wea. Rev.,* 110, 1306-1313, 1982.

Lau, W.K.M., 1984: Reply to "Comment on the monsoon of East-Asia - A Survey," *Bull. Amer. Meteor. Soc*., 65, 1326-1327.

Lau, K.M., 1985: Elements of a stochastic-dynamical theory of the long-term variability of the El Nino/ Southern Oscillation, *J. Atmos. Sci*., 42, 1552-1558.

Lau, K.M., and Chan, P. H., 1983: Short-term climate variability and atmospheric teleconnections from satellite observed outgoing longwave radiation, Part 1: Simultaneous relationships, *J. Atmos. Sci*., 40, 2735-2750.

Lau, K.M., and Chan, P.H , Short-term climate variability and atmospheric teleconnections from satellite observed outgoing longwave radiation, Part II. Lagged Correlations, *J. Atmos. Sci.*

Lau, K.M. and Chan, P.H., 1985. Aspects of the 40–50-day oscillation during the northern winter as inferred from outgoing longwave radiation. Mon. Wea. Rev., 113,1889-1909.

Lau, K.M. and Chan, P.H., 1986. Aspects of the 40–50 day oscillation during the northern summer as inferred from outgoing longwave radiation. Mon. Wea. Rev, *114*(7), pp.1354-1367.

Lau, W.K.M. , and Chang, C.-P., 1986: Planetary scale aspect of the winter monsoon and atmospheric teleconnections, in: C. -P. Chang and T. N. Krishnamurti, (Eds.) , *Reviews in Monsoon Meteorology*, Oxford University Press, London, England, and New York, NY.

Lau, W.K.M. , and Lau. N.C., 1984: The structure and energetics of mid latitude disturbances accompanying cold-air outbreak over East Asia, *Mon. Wea. Rev., 112*, 1309-1327.

Lau, K.M., and Li, M.-T., 1984: The monsoon of East Asia and its global associations - a survey, *Bull. Amer. Meteor. Soc*., 65, 114-125.

Lau, K.M. and Lim, H., 1982: Thermally driven circulation in an equatorial beta-plane: Hadley and Walker circulation during the winter monsoon, *Mon. Wea. Rev*., 110, 336-353.

Lau, K. M., and Lim, H., 1984: On the dynamics of equatorial forcing of climate teleconnections, J. Atmos. Sci., 41, 161-176.

Lau, W.K.M., and Phillips, T.J., 1986: Coherent fluctuations of extratropical geopotential height and tropical convections in intraseasonal time scale, *J. Atmos. Sci*., 43,1164-1481.

Lau, K.M., Chang, C.-P., and Chan, P., 1982: Short-term planetary scale interactions over the tropics and mid latitudes, Part I : Contrast between active and inactive periods, *Mon. Wea. Rev*., 110, 933-946.

Lau, K.M., Chang, C.-P., and Chan, P., 1983: Short-term planetary scale interactions over the tropics and mid latitudes Part II: Winter MONEX period, *Mon. Wea. Rev*., 111, 1372-1388.

Lau, N.C., 1984: *Circulation statistics based on FGGE level II l-B analyses produced by GFDL*, NOAA Data Report ERL-GFDL-5, Geophysical Fluid Dynamics Laboratory, Princeton, NJ, 427 pp.

Lau, N.C., 1984: *A comparison of circulation statistics based on FGGE level III-B analyses produced by GFDL and ECMWF for the Special Observing Periods* , NOAA Data Report ERL GFDL-6, Geophysical Fluid Dynamics Laboratory, Princeton, NJ, 237 pp.

Leary, C.A.,1984: Precipitation structure of the cloud clusters in a tropical easterly wave, *Mon. Wea. Rev*., 112, 313-325, 1984.

LeDimet, F., and Sasaki, Y. K., 1983: *Dynamic initialization with filtering of gravity waves*, CIMMS Report No. 40, CIMMS, Norman, 0K.

Lee, Y.H., and Chen, T.C., 1984: *A comparison study of the energetics of standing and transient eddies between two general circulation models: The GLAS climate model and the NCAR comunity climate model*, Technical Report to NASA and NSF, Department of Earth Sciences, Iowa State University, Ames, IA.

Lee, Y. H., and Chen, T.C., 1985: On the structure and maintenance of standing eddies in the NCAR community climate model and the GLAS climate model, *Mon. Wea. Rev.* accepted for publication, Mon. Wea. Rev., 1985. (can't find in Google Scholar).

LeMone, M.A, 1983: The time between a field experiment and its published results, *Bull. Amer. Meteor. Soc*., 64, 614-616.

LeMone, M.A., 1983: Momentum transport by a line of cumulonimbus, *J. Atmos. Sci*., 40, 1815-1834.

LeMone, M.A., 1984: The determinants of quasi two-dimensional line convection based on a survey of GATE convection, in: *Proceedings of the 15th Technical Conference on Hurricanes ad Tropical Meteorology*, January 9-13, 1984, Miami, Florida, American Meteorological Society, Bos ton, MA.

LeMone, M.A., 1984: Momentum flux by convective lines in the tropics, Paper presented at the International Conference on Mesoscale Meteorology with RMS , February 6-10, 1984, Melbourne, Australia.

LeMone, M.A., 1985: The structure ad evolution of an isolated line of cumulonimbus, in: *Proceedings of the International Cloud Modelling Workshop/Conference*, July 15-19, 1985, Irsee, Federal Republic of Germany.

LeMone, M.A., 1985: Cumulus convection of 2 August, 1974 (Day 214) of GATE: in: *Proceedings of the International Cloud Modelling Workshop/Conference*, July 15-19, 1985, Irsee, Federal Republic of Germany, 1985.

LeMone, M.A., and Meitin, R.J., 1984: Three examples of fair-weather mesoscale boundary layer convection in the tropics, *Mon. Wea. Rev*., 112, 1985-1997.

LeMone, M.A., Barnes, G.M., and Zipser, E.J., 1984: Momentum flux by lines of cumulonimbus over the tropical oceans*, J. Atmos. Sci*., 41, 1914-1932.

LeMone, M.A., Barnes, G.M., Szoke, E.J., and Zipser, E.J., 1984: The tilt of the leading edge of mesoscale tropical convective lines, *Mon. Wea. Rev*., 112, 510-519.

Lewis, R.M., and Reed, R.J., 1984: Comments on "Modulation of convective activity by large-scale flow patterns observed in GATE." *J. Atmos. Sci*., 41, 305-307.

Li, Y.F., and Anthes, R.A., 1984: The impact of initial conditions on a subsynoptic-scale and mesoscale forecast, *Acta Meteorological Society*, 42, 499-504, (in Chinese) .

Lim, H., and Chang, C.P., 1983: Dynamics of teleconnections and Walker circulations forced by equatorial heating, *J. Atmos. Sci*., 40, 1897-191.

Lin, B.-D., 1983: The behavior of stationary waves and the summer monsoon, *J. Atmos. Sci*., 40, 1163-1177.

Lindenberg, K., and Cortes, E., 1984: Thermal relaxation of systems with quadratic heat bath coupling: I. Classical systems. *Physica A: Statistical Mechanics and its Applications*, 126, pp.489-503.

Lindenberg, K. and West, B.J., 1984. Finite correlation time effects in nonequilibrium phase transitions: III. Multi-degree-of-freedom systems. *Physica A: Statistical Mechanics and its Applications*, *128*(1-2), pp.25-47.

Lindenberg, K., and West, B.J., 1984: Fluctuations and dissipation in a barotropic flow field, *J. Atmos. Sci*., 41, 3021-3031.

Lindzen, R.S., 1985: Multiple gravity wave breaking levels, J. Atmos. Sci., 42, 301-305.

Lindzen, R.S., 1986. Stationary planetary waves, blocking, and interannual variability. In *Advances in Geophysics* (Vol. 29, pp. 251-273). Elsevier.

Lindzen, R.S., Farrell, B., and Rosenthal, A.J., 1983: Absolute Barotropic instability and monsoon depressions, *J. Atmos. Sci*., 40, 1178-1184.

Lindzen, R.S., and Rosenthal, A.J., 1983: Instabilities in a stratified fluid having one critical level. Part Ill: Kelvin-Helmholtz instabilities as overreflected waves, *J. Atmos. Sci*., 40, 530-542.

Lindzen, R.S., Straus, D.M., and Katz, B., 1984: An observational study of large-scale atmospheric Rossby waves during FGGE, *J. Atmos. Sci*., 41, 1320-1335.

Lord, R.J., Menzel, W.P., and Pecht, L. E., 1984: ACARS wind measurements: An intercomparison with radiosonde, cloud motion and VAS thermally derived winds, *J. Atmos. and Ocean. Tech.*, 1, 131-137.

Lorenz, E.N., 1984: Formulation of a low-order model of a moist general circulation, *J. Atmos. Sci*., 41, 1933-1945.

Lorenz, E.N., 1984: Irregularity: a fundamental property of the atmosphere, *Tellus*, 36A, 98-110.

Love, G., 1985: Cross-equatorial influence of winter hemisphere subtropical cold surges, *Mon. Wea. Rev*., 113, 1487-1498.

Lu, M.-M., and Yanai, M., 1984: Equatorially trapped waves at the 200 mb level and their association with meridional wave energy flux and cloud activity, in: Proceedings of the 15th Technical Conference on Hurricanes and Tropical Meteorology, January 9-13, 1984, Miami, Florida, American Meteorological Society, Boston.

Luo, H., and Yanai, M., 1983: The large-scale circulation and heat sources over the Tibetan Plateau and surrounding areas during the early summer of 1979, Part 1: Precipitation and kinematic analyses, *Mon. Wea. Rev*., 111, 922-94.

Luo, H., and Yanai, M., 1984: The large-scale circulation and heat sources over the Tibetan Plateau and surrounding areas during the early summer of 1979, Part 11: Heat and moisture budgets, *Mon. Wea. Rev*., 112.

Luther, M. E., and 0'Brien, J.J., 1983: *A model of the seasonal circulation in the Arabian Sea forced by observed winds*, Informal Report, Mesoscale Air-Sea Interaction Group, Florida State University, Tallahassee, FL, 47 pp.

Luther, M. E., O'Brien, J.J., and Meng, A.H., 1984: *Morphology of the Somali current system during the Southwest monsoon, in: Proceedings of the JSC/CCCO 16th International Liege Colloquium on Coupled Atmosphere-0cean Models*, July 1984, 57 pp.

Madden, R.A., 1983: Reply to J. Shukla's comments on "Natural variability and predictability ," *Mon. Wea. Rev*., 111, 586-589.

Mahrt, L.J., and Paumier, J., 1984: Heat transport in the atmospheric boundary layer, *J. Atmos. Sci*., 41, 3061-3075.

Mahrt, L.J., 1984: Turbulence in the Bora flow of 6 March 1981, Paper presented at the XVIII International Conference for Alpine Meteorology, Supplement pp. 1-4, A. Brantanic (Ed.) , Zbornick, Meteoroloskih i Hidroloskih Radova, Opatia, Yugoslavia.

Mahrt, L.J., and Paumier, J., 1984: Turbulence over the coastal range of Northern Yugoslavia, p. 97-99 in: *Proceedings, Third Conference on Mountain Meteorology,* October 16-19, 1984, Portland, Oregon, American Meteorological Society, Boston, MA.

Mak, M. K., 1983: A moist barocl inic model for monsoonal mid-tropospheric cyclogenesis, *J. Atmos. Sci*., 40, 1154-1162.

Mak, M.K., 1983: On moist quasi-geostrophic barotropic instability, *J. Atmos. Sci*., 40, 2349-2367.

Mak, M.K., 1983: On moist quasi-geostrophic barotropic instability in a general model*, Scientia Sinica*, Ser. B, 26, 850-864.

Mak, M.K., and Bannon, P.R., 1984: Frontogenesis in a moist semigeostrophic model , *J. Atmos*. Sci., 41, 3485-3500.

Malone, R.C., Pitcher, E.J., Blackmon, M. L., Puri, K., and Bourke, W., The simulation of stationary and transient geopotential-height eddies in January and July with a spectral general circulation model, *J. Atmos. Sci*., 41, 1394-1419.

Marks, F.D. Jr., and Houze, R.A. Jr., 1983: Three-dimensional wind field in the developing inner core of Hurricane Debby, p. 298-304 in: *Preprint Volume, 21st Conference on Radar Meteorology*, September 19-23, Edmonton, Alta., Canada, American Meteorological Society, Boston, MA.

Marshall, H.G., Chen, T.C., and Tribbia, J.J., 1983: *A numerical study of nonlinear cascading of atmospheric baroclinic and barotropic flow with a two-year quasi-geostrophic model*, Technical Report to NSF, Department of Earth Sciences, Iowa State University, Ames, IA.

Martin, D.W., Auvine, B., and Suchman, D., 1984: Synoptic forcing and control of deep convection on day 261 of GATE, *Mon. Wea. Rev*., 112, 1936-1959.

Martin, D.W., and Howland, M.R., 1984: Daily Arabian Sea rainfall during the onset of the 1979 monsoon: a satellite estimate, *Papers Meteor. Res*., (Taipei).

Masters, S.W., and Kung, E. C., 1983; Energetics of the Aleutian low area, *J. Meteor. Soc. Japan*, 61, 51-59.

McBride, J. L., 1983: Satellite observations of the Southern Hemisphere monsoon during Winter MONEX, *Tellus*, 35A, 189-197.

McBride, J. L., 1984: Comments on "Simulation of hurricane-type vortices in a general circulation model *Tellus*, 36A, 92-93.

McBride, J. L., and Nicholls, N., 1983: Seasonal relationships between Australian rainfall and the Southern Oscillation, *Mon. Wea. Rev*., 111, 1998-2004.

McCreary, J.P., Jr., 1983: A model of tropical ocean-atmosphere interaction, *Mon. Wea. Rev*., 111, 370-387.

McCreary, J.P., and Anderson, D.L.T., 1984: A simple model of El Nino and the Southern Oscillation, *Mon. Wea. Rev*., 112, 934-946.

McCreary, J. P, Jr., Picaut, J., and Moore, D. W., 1984: Effects of remote annual forcing in the Eastern Tropical Atlantic Ocean, *J. Marine Res*., 42, 45-81.

McGinley, J., 1983: Diagnosis of alpine lee cyclogensis, *Mon. Wea. Rev*., 110, 1271-1287.

McGinley, J., Ziegler, C., and Ziegler, D., 1983: Observation of steady glow and multi-colored flashes associated with a thunderstorm, *Bull. Amer. Meteor. Soc*. 63, 189-190.

McGinley, J.A., 1984: Analysis of flow blocking during ALPEX by imposition of mass continuity, *Riv. Meteor. Aeronautica*, 44, 95-102.

McGinley, J.A., 1984: Dynamics of Alpine lee cyclogenesis from a quasi-geostrophic view, *Riv. Meteor. Aeronautica*, 44, 45-60.

McGinley, J.A., 1984: Use of the calculus of variations in meteorological analysis , *Riv. Meteor. Aeronautica*, 44, 37-44.

McGinley, J.A., 1984: Scaling and theoretical considerations in variational analysis of flow around mountains, *Beitr. Phys. der Atmos*., 57, 527-535.

McGinley, J.A. , Dynamical comparison of ALPEX lee cyclone events March 20-21, 1982 and April 24-25, 1982, *Beitr. Phys. der Atmos*. (submitted 1985, not found in Google Scholar)

McGinley, J.A., 1986: Short range forecasting, in: P.S. Ray (Ed.), *Mesoscale Meteorology and Forecasting*, Chapter 28, American Meteorological Society, Boston, MA, in revision.

McGinley, J., 1984: Application of the variational method in objective analysis of mountain flow, in: *Proceedings of the International Symposium on the Tibetan Plateau and Mountain Meteorology*, March 20-24, 1984, American Meteorological Society, Boston, MA.

McKee, T. B., DeMaria, M., Kuenning, J. A., and Cox, S.K., 1983: Comparison of Monte Carlo calculations with observations of light scattering in finite clouds, *J. Atmos. Sci*., 40, 1016-1023.

Mechoso, C.R., Suarez, M.J., Yamazaki, K., Spahr, J., and Arakawa, A., 1983: Experiments in Medium Range Forecasting: Sensitivity to Model Resolution and Vertical Extent, p. 412-418 in: *Preprints Sixth Conference on Numerical Weather Prediction*, June 6-9, 1983, Omaha, Nebraska, American Meteorological Society, Boston, MA.

Mechoso, C.R., Yamazaki, K. , Kitoh, A., and Arakawa, A., 1985: Numerical forecasts of stratospheric warming events during the Winter of 1979, *Mon. Wea. Rev*., 113, 1015-1029, 1985.

Mechoso, C.R., and Yamazaki , K., 1985: Observations of the final warming in the stratosphere of the Southern Hemisphere during 1979, *J. Atmos. Sci*., 42, 1198-1205.

Mechoso, C.R., Hartmann, D. L., and Farrara, J., Climatology and interannual variability of wave, mean-flow interaction in the Southern Hemisphere, *J. Atmos. Sci*., 42, 2189-2206.

Merrill, R. T., 1984: A comparison of large and small tropical cyclones, *Mon. Wea. Rev*., 112, 1408-1418.

Meyer, W.D., and Rao, G. V., 1983: *Structure of the monsoon boundary layer as deduced from the aerial fast response data*, Manuscript, Department of Earth and Atmospheric Sciences , Saint Louis University, St . Louis, Missouri, 35 pp.

Meyer, W.D., and Rao, G. V., 1985: Structures of the monsoon low-level flow and the monsoon boundary layer over the East Central Arabian Sea, *J. Atmos. Sci*., 42, 1929-1943.

Miller, A., and Anthes, R. A., *Meteorology* (5th Ed.), Charles E. Merrill , Columbus, Ohio, 169 pp.

Miller, B.L., Vincent, D.G., and Robertson, F. R., 1985: Precipitation estimates for the tropical South Pacific during FGGE, 10-18 January 1979, p. 50-51 in: *Preprint Volume, 16th Conference on Hurricanes and Tropical Meteorology*, May 13-17, 1985, Houston, Texas, American Meteorological Society, Boston, MA, 1985.

Mintz, Y., Sellers , P.J., and Willmott, C.J., 1983: *On the design of an interactive biosphere for the GLAS General Circulation Model*, NASA Technical Memo 84973, Laboratory for Atmospheric Sciences, NASA Goddard Space Flight Center, Greenbelt, MD.

Miyakoda, K., Gordon, T., Caverly, R., Stern, W., Sirutis, R., and Bourke, W., 1983: Simulation of a blocking event in January 1977, *Mon. Wea. Rev*., 111, 846-869.

Miyakoda, K., Ploshay, J., and Stern, W., 1983: Guide and caution on the GFDL/FGGE III-b data set, *Global Weather Experiment Newsletter*, 1, 8-14.

Miyakoda, K. , and Rosati, A., 1984: The variation of sea surface temperature in 1976 and 1977, 2. The simulation with mixed layer models, *J. Geophys. Res.*, 89, 6533-6542.

Miyakoda, K. , and Sirutis, J., 1984; Impact of subgrid-scale parameterizations on monthly forecasts, p. 231-277 in: *Proceedings of ECMWF Workshop on Convection in Large-Scale Numerical Models*, November 28-December 2, 1984, ECMWF, Reading, Shinfield Park, England.

Mo, K.C., and Shukla, J., 1983: *Persistent anomalies of the Southern Hemisphere circulation,* NASA Technical Memo 84983, p. 139-141, NASA Goddard Space Flight Center, Greenbelt, MD.

Mo, K.C., and Van Loon, H., 1985: Climatic trends in the Southern Hemisphere, *J. Clim. Appl. Meteor*., 24, 777-789.

Mooley, D.A., and Parthasarathy, B., 1983: Variability of the Indian summer monsoon and tropical circulation features. *Mon. Wea. Rev*., 111, 967-978.

Moorthi , S., and Arakawa, A., 1985: Baroclinic instability with cumulus heating, *J. Atmos. Sci*., 42, 2007-2031.

Mower, R.N., Chu, J.-H., Martin, D.W., and Auvine, B., 1984: Mean state of the troposphere over Southern-East Asia and the East Indies , *Quart. J. Roy. Meteor. Soc*., 110, 1023-1033.

Mukherjee, B. K., Raja Rao, K. S., and Ramana Murty, Bh. V., 1984: Vertical motions within the Indian tropical middle atmosphere, *J. Atmos. Sci*., 41, 614-620.

Mukherjee, B.K., Indira, K., Reddy, R.S., and Murty, Bh.V.R., 1985: Quasi-biennial oscillation in stratospheric zonal wind and Indian summer monsoon, *Mon. Wea. Rev*., 113, 1421-1424.

Murakami, T., and Nakazawa, T., 1985; Transition from the Southern to Northern Hemisphere summer monsoon, *Mon. Wea. Rev*., 113, 1470-1486.

Murakami, T., and Nakazawa, T., 1985: Tropical 45 day oscillations during the 1979 Northern Hemisphere summer, *J. Atmos. Sci*., 42, 1107-1122.

Murakami, T., Nakazawa, T., and He, J., 1983: *40-50 day oscillations during the 1979 Northern Hemisphere summer*, UHMET 83-02, Department of Meteorology, University of Hawaii, Honolulu, HI, 133 pp.

Nakamura, H., and Murakami, T., 1983: Orographic influence on cold surges and lee cyclogenesis as revealed from a numerical experiment, accepted for publication, J. *Meteor. Soc. Japan*. (see below)

Nakamura, H. and Murakami, T., 1983. Orographic effects on cold surges and lee-cyclogenesis as revealed by a numerical experiment Part I. Time mean aspects. *Journal of the Meteorological Society of Japan. Ser. II*, *61*(4), pp.524-546.

Murakami, T. and Nakamura, H., 1983. Orographic Effects on Cold Surges and Lee-Cyclogenesis as Revealed by a Numerical Experiment Part II. Transient Aspects. *Journal of the Meteorological Society of Japan. Ser. II*, *61*(4), pp.547-567.

Nastrom, G. D., and Gage, K. S., 1985: A climatology of atmospheric wavenumber spectra of wind and temperature observed by commercial aircraft, *J. Atmos. Sci*., 42, 950-960.

Nastrom, G. D., Gage, K. S., and Jasperson, W.H., 1984: Kinetic energy spectrum of large- and mesoscale atmospheric processes, *Nature*, 310, 36-38.

National Research Council, 1985: *Proceedings of the First National Workshop on the Global Weather Experiment, Current Achievements and Future Directions*, Vol. l, 9-20 July 1984, Woods Hole, Massachusetts, National Academy Press, Washington, D.C., 89 pp.

National Research Council, 1985: *Proceedings of the First National Workshop on the Global Weather Experiment, Current Achievements and Future Directions*, Vol. 2, Part 1, 9-20 July 1984, Woods Hole, Massachusetts, National Academy Press, Washington, D.C., 399 pp.

National Research Council, 1985; *Proceedings of the First National Workshop on the Global Weather Experiment, Current Achievements and Future Directions*, Vol. 2, Part 2, 9-20 July 1984, Woods Hole, Massachusetts, National Academy Press, Washington, D.C., 414 pp.

Neman, P.A., and Stanford, J. L., 1983: Observational characteristics of atmospheric anomalies with short meridional and long zonal scales, *J. Atmos. Sci*., 40, 2547-2554.

Newman, P.A., and Stanford, J. L., Short meridional scale anomalies in the lower stratosphere and upper troposphere, *J. Atmos. Sci*., 42, 2081-2092.

Nicholls, M.E., and Johnson, R. H., 1984: A model of a tropical squall line boundary layer wake, J. *Atmos. Sci*., 41, 2774-2792.

Nicholls,S., Shaw, W., and Hauf, T., 1983: An intercomparison of aircraft turbulence measurements made during JASIN, *J. Clim. Appl. Meteor*., 22, 1637-1648.

Nicholson, S.E., 1983: Sub-Saharan rainfall in the years 1976-80: Evidence of continued drought, *Mon. Wea. Rev*., 111, 1646-1654.

Nordgarden, R., 1983: *Dynamic structure of the Somali jet stream from aircraft* , M.S. Thesis, Department of Meteorology, University of Wisconsin, Madison, Wisconsin, 70 pp.

Ogura, Y., 1984: Tropical convection, in: E. Kessler (Ed.), *Thunderstorms: Social, Scientific and Technological Documentary*, Press, Volume 3, 2nd Edition, Norman, OK.

Ogura, Y., 1985: Modeling studies of convection, *Advances in Geophysics*, 28B, 387-421.

Ogura, Y., and Chen, Y.-L., 1984: Reply to R.M. Lewis and R.J. Reed's comments on "Modulation of convective activity by large-scale flow patterns observed in GATE," *J. Atmos. Sci*., 41, 308-309.

Ogura, Y., and Jiang, J. Y., 1985; A modeling study of heating and drying effects of convective clouds in an extratropical mesoscale convective system, *J. Atmos. Sci*., 42, 2478-2492.

Ogura, Y., and Tai, K. S., 1984: Easterly waves over the Eastern Pacific in Northern Hemisphere summer as revealed by FGGE level III-b data, *Global Weather Experiment Newsletter,* 6, 2-8.

Ogura, Y., Asai, T., and Dohi, K., 1985: A case study of heavy precipitation event along the Baiu front in northern Kyushu, 23 July, 1983: Nagasaki heavy rain, *J. Meteor. Soc. Japan*, 63, 883-900.

Ohring, G., Gruber, A., and Ellingson, R., 1984: Satellite determinations of the relationship between total longwave radiation flux and infrared window radiance, J. Clim. Appl. Meteor., 23, 416-425.

Orlanski, I. and Ross, B. B., 1984: The evolution of an observed cold front. Part Il: Mesoscale dynamics, *J. Atmos. Sci*., 41, 1669-1703.

Orville, H.O., 1984: Comments on "Cloud interaction and merging on day 261 of GATE," Mon. Wea. Rev., 112, 387-388.

Otto-Bliesner, B.L., 1984: A global low-order spectral general circulation model. Part II: Diagnosis of the seasonal energetics, *J. Atmos. Sci*., 41, 508-523.

Paegle, J., 1983: Longitudinally asymmetric heating and ultra-long waves, in: *Proceedings of the IAMAP-WMO Symposium on Maintenance of the Quasi-Stationary Components of the Flow in the Atmosphere and in Atmospheric Models*, August 30-September 2, 1983, Paris, France, American Meteorological Society, Boston, MA.

Paegle, J., 1984: Topographically induced low-level jets, in: *Preprint Volume, Third Conference on Mountain Meteorology*, October 16-19, 1984, Portland, Oregon, American Meteorological Society, Boston, MA.

Paegle, J., 1985: Interactions between convective and large-scale motions over Amazonia, in: Proceedings of the International Conference on Climatic, Biotic and Human Interactions in the Humid Tropics: Vegetation and Climate Interactions in Amazonia, February 25-March 1, 1985, Sao Jose dos Campos, Braz.

Paegle, J., 1985: Large-scale controls on tropical convection, in: R.E. Dickinson, (Ed.), *Geophysiology of Amazonia, Vegetation and Climate Interactions*, John Wiley and sons, New York, NY.

Paegle, J., 1984: Topographically bound low-level circulations, accepted for publication, *Riv. Meteor. Aeronautica*, 44, 113-25.

Paegle, J., and Baker, W. E., 1983: The influence of the tropics on the prediction of ultra long waves, Part Il: Latent heating, *Mon. Wea. Rev.,* 111, 1356-1371.

Paegle, J., and Geisler, J. E., 1986: The effect of East African topography on flow driven by zonally symmetric forcing, *J. Atmos. Sci*., 43, 1862-1872.

Paegle, J., and Paegle, J.N., 1984: GLAS heating rate estimates for SOP-I, *Global Weather Experiment Newsletter*, 3, 25-28.

Paegle, J., and Sampson, G. W.,1984: Estimates of the weekly evolution of heating fields and available potential energy during SOP-I, *Global Weather Experiment Newsletter*, 4, 5-7, 1984.

Paegle, J., Paegle, J. N., Hong, Y., 1983: The role of barotropic oscillations within atmospheres of highly variable retractive index, *J. Atmos, Sci*., 40, 2251-2265.

Paegle, J., Paegle, J. N., McCorcle, M., and O'Brien, C., 1984: The dynamical basis of a low-level jet during ALPEX, *Riv. di Meteor. Aeronautica*, 44,127-142.

Paegle, J., Paegle, J. N., and Dodd, G. C., 1983: On tne occurrence of atmospheric states that are non-elliptic for the balance equation, *Mon. Wea. Rev*., 111, 1709-1723.

Paegle, J., Paegle, J. N., and Lewis, F. P., 1983: Large-scale motions of the tropics in observations and theory, *Pure and Appl. Geophys*., 121, 947-982, 1983.

Paegle, J., Paegle, J. N., McCorcle, M., and Miller, E., 1984: Diagnoses and numerical simulation of a low-level jet during ALPEX, *Beit. Phys. Atmos*., 57, 419-430.

Paegle, J. , Paegle, J.N., McCorcle, M., and O'Brien, C.., 1984: The dynamical basis of a low-level jet during ALPEX, *Riv. Meteor. Aeronautica*.

Paegle, J., Baker, W. E., and Paegle, J.N., 1986: The analysis sensitivity to tropical winds in the global weather experiment, Mon. Wea. Rev, 114, 991-1007.

Paegle, J.N., 1983: Some characteristics of ECMWF-FGGE-Level Ill-b data sets , *Global Weather Experiment Newsletter*, 1 , 18-23.

Paegle, J.N., 1984: First International Conference on Southern Hemisphere Meteorology, San Jose dos Campos, Brazil, *Bull. Amer. Meteor. Soc*, 65, 48-54.

Paegle, J.N., 1984: Review of the First International Conference on Southern Hemisphere Meteorology, *Bulletin of the World Meteorological Organization*, 33, 137-140.

Paegle, J.N., and Gu, H.D., The response of a low order barotropic model to stationary forcing, in: *Proceedings of the IAMAP-WMO Symposium on the Maintenance of the Quasi Stationary Components of the Flow in the Atmosphere and in Atmospheric Models*, August 30-September 2, 1983, Paris, France, American Meteorological Society, Boston, MA, 1983.

Paegle, J. N., and Gu, J.-D., 1984: Interactions of orography and heating for planetary scales, in: *Proceedings of the International Symposium on Plateau and Mountain Meteorology*, March 20-24, 1984, Beijing, P. R.C.

Paegle, J. N., and Paegle, J., 1984: Selected comparisons of FGGE level III-b winds, *Global Weather Experiment Newsletter*, 3, 6-14.

Paegle, J.N., Paegle, J., Hong, Y., and Zhao, Z., 1983: The effects of rotational and gravity modes in forced global models, in: *Proceedings of the Sixth Conference on Numerical Weather Prediction*, June 6-9, 1983, Omaha, Nebraska, American Meteorological Society, Boston, MA, 109-113.

Paegle, J. N., Ereno, C., Cubillaga, J. B., and Paegle, J., 1983; Structure of the mean and transient flow in the vicinity of Argentina, *Meteorologica, XIV*, 11 pp.

Paegle, J.N., Zhao, Z., Hong, Y., and Paegle, J., 1984: Sources of flow variability on barotropic primitive equation models, in: *Proceedings of the International Symposium on Tibetan Plateau and Mountain Meteorology*, March 20-24, 1984, Beijing, P.R.C.

Paegle, J. N., Zhao, Z., and Sampson, G, J., 1986: Vertical structures of the wind field during the special observing period I of the Global Weather Experiment, *Meteor. and Atmos. Phys*., 35, 149-65.

Pant, P.S., 1983: A physical basis for changes in the phases of the summer monsoon over India, *Mon. Wea. Rev*., 111, 487-495.

Park, S -U., and Sikdar, D. N., 1985: Barotropic instability over the Arabian Sea during the onset of summer monsoon, *Mausam*, 36, 275-286.

Parthasarathy, B., and Pant, G.P., 1984: The spatial and temporal relationships between the Indian summer monsoon rainfall and the Southern Oscillation, *Tellus*, 36A, 269-277.

Pasch, R.J., 1983: *On the onset of the planetary scale monsoon*, Report No. 83-9 Ph.D. Dissertation, Department of Meteorology, Florida State University, Tallahassee, FL, 220 pp.

Pearce, R. P., and Mohanty, U. C., 1984: Onsets of the Asian summer monsoon 1979-82, *J. Atmos. Sci*., 41, 1620-1639

Pecnick, M.J., and Young, J.A., 1984: Mechanisms of a strong subsynoptic gravity wave deduced from satellite and surface observations, *J. Atmos. Sci*., 41, 1850-1862.

Peppier, R.A., and Vincent, D.G., 1983: Basic state energy budget analysis for Phases 1, 2, and 3 of GATE, *Mon. Wea. Rev.,* 111, 359-369.

Pfaendtner, J. , Balgovind, R., Duffy, D., Helfand, H.M., and Kalnay, E., 1985: Response of the GLA Fourth Order Model to changes in horizontal resolution and terrain heights , p. 333-335 in: *Preprints , Seventh Conference on Numerical Weather Prediction*, June 17-20, 1985, Montreal , Canada, American Meteorological Society, Boston, MA, 1985.

Philander, S.G.H., Yamagata, T., and Pacanowski, R.C., 1984: Unstable air-sea interactions in the tropics, *J. Atmos. Sci*., 41, 604-613.

Pierrehumbert, R. T., 1985: A theoretical model of orographically modified cyclogenesis, *J. Atmos. Sci*., 42, 1244-1258.

Pierrehumbert, R. T., 1985: Stratified semigeostrophic flow over two-dimensional topography in an unbounded atmosphere, *J. Atmos. Sci.,* 42, 523-526.

Pierrehumbert, R. T., 1984: Local and global baroclinic instability of zonally varying flow, *J. Atmos. Sci*., 41, 2141-2162.

Pierrehumbert, R. T., 1984: Linear results on the barrier effects of mesoscale mountains, *J. Atmos. Sci*., 41, 1356-1367.

Pierrehumbert, R. T., 1983: Bounds on the growth of perturbations to non-parallel steady flow on the barotropic beta plane, *J. Atmos. Sci*., 40, 1207-1217.

Pierrehumbert, R. T., and Wyman, B., 1985: Upstream effects of mesoscale mountains, *J. Atmos. Sci*., 42, 977-1003.

Pierrehumbert, R. T., and Malguzzi, P., 1984: Forced coherent structures and local multiple equilibria in a barotropic atmosphere, *J. Atmos. Sci*., 41, 246-257.

Pierrehumbert, R. T., 1984; Formation of shear layers upstream of the Alps, *Rivista di Meteorologia Aeronautica*, 44, 237-248.

Pierrehumbert, R. T., 1984: Orographic distortion of fronts, *Rivista di Meteorologia Aeronautica*, 44, 249-263.

Pierrehumbert, R.T., 1986: Lee cyclogenesis, p. 493-515. in: *Mesoscale Meteorology and Forecasting*, American Meteorological Society, Boston

Pierrehumbert, R. T., 1986: The effect of local baroclinic instability on zonal inhomogeneities of vorticity and temperature, *Advances in Geophysics*, 29, 165-182.

Pierrehumbert, R. T., 1986: Remarks on a paper by Aref and Flinchem, *J. Fluid Mech.,* 163, 21-26.

Pierrehumbert, R. T., 1986: Spatially amplifying modes of the Charney baroclinic instability problem, *J. Fluid Mech*., 170, 293-317.

Pitcher, E.J., Malone, R.C., Ramanathan, V., Blackmon, M.L., Puri, K., and Bourke, W., 1983: January and July simulations with a spectral general circulation model, *J. Atmos. Sci*., 40, 580-604.

Ploshay, J., White, R.K., and Miyakoda, K., 1983: *FGGE level Ill-B daily global analyses Part I (December 1978-February 1979)*, NOAA Data Report ERL-GFDL1, Geophysical Fluid Dynamics Laboratory, Princeton, NJ, 278 pp.

Ploshay, J., White, R.K., and Miyakoda, E., 1983: *FGGE level Ill-B daily global analyses Part II (March 1979 - May 1979)*, NOAA Data Report ERL-GFDL2, Geophysical Fluid Dynamics Laboratory, Princeton, NJ, 285 pp.

Ploshay, J., White, R. K., and Miyakoda, E., 1983: *FGGE level Ill-B daily global analyses Part III (June 1979 August 1979)*, NOAA Data Report ERL-GFDL3, Geophysical Fluid Dynamics Laboratory, Princeton, NJ, 285 pp.

Ploshay, J., White, R.K., and Miyakoda, E., 1983: *FGGE level Il l-B daily global analyses Part IV (September 1979 - November 1979)*, NOAA Data Report ERL-GFDL4, Geophysical Fluid Dynamics Laboratory, Princeton, NJ, 282 pp.

Prospero, J.M., Mohnen, V., Jaenicke, R., Charlson, R.J., Delany, A.C., Moyers, J., Zoller, W., and Rahn, R., 1983: Atmospheric aerosols; an overview, *Rev. Geophys. and Space Phys*., 21, 1607-1630.

Prospero, J.M., Jaenicke, R., Gaynor, E., and Patterson, E., 1983; Soil aerosols in atmospheric infrared backscatter. Summary of present knowledge and recommendations for future work, in: F.F., Jr. (Ed.), NOAA Technical Memorandum, ERL WPL/110, PP. 3-17, NOAA-ERL, Boulder, CO.

Puri , K., 1983: Some experiments in variational normal mode initialization in data assimilation, *Mon. Wea. Rev., 111*, 1208-1218.

Quadfasel, D. R., and Schott, F., 1983; Southward subsurface flow below the Somali Current, *J. Geophys. Res*., 88, 5973-5979.

Radinovic, D., 1984: *Analyses of ALPEX Data: 1-5 March 1982*, Technical Report, ECMWF, Shinfield Park, Reading, England.

Raghavan, S., Sivaramakrishan, T. R., and Ramakrishnan, B., 1983: Size distribution of radar echoes as an indicator of growth mechanisms in monsoon clouds around Madras, *J. Atmos. Sci*., 40, 428-434.

Ramage, C. S., 1983: Comments on "Regression Forecasting of the Onset of the Indian summer monsoon with antecedent upper air conditions", J. *Clim. Appl. Meteor*., 22, 1133-1134.

Ramage, C. S.,1984: Can shipboard measurements reveal secular changes in tropical air-sea heat flux?, *J. Clim. Appl. Meteor*., 23, 187-193.

Ramamurthy, M., 1985: Four-dimensional assimilation in a limited-area model for the monsoon region, p. 91-96 in: *Preprints, Seventh Conference on Numerical Weather Prediction*, Montreal, P.Q., American Meteorological Society, Boston, MA.

Ramamurthy, M., and Carr, F. H., 1986: Four-dimensional assimilation in a limited-area model using Sumer MONEX data, in: *Preprint Volume, National Conference on the Scientific Results of the First GARP Global Experiment*, January 13-17, Miami , Florida, American Meteorological Society , Boston, MA.

Ramanathan, Y., 1983: *On the onset phase of the southwest monsoon (1979)*, Information Report, Atmospheric Environmental Service, Montreal, Canada, 65 pp.

Randall, D.A., 1984: Stratocumulus cloud deepening through entrainment, *Tellus*, 36A, 446—457.

Randall, D.A., and Suarez, M.J., 1984: On the dynamics of stratocumulus formation and dissipation, *J. Atmos. Sci*., 41, 3052-3057.

Randall, D.A., Abeles, J.A., and Corsetti, T.G, 1985: Seasonal simulations of the planetary boundary layer and boundary-layer stratocumulus clouds with a general circulation model, *J. Atmos. Sci*., 42, 641-676.

Randall, D.A., Coakley, J., Fairall, C., Kropfli, R., and Lenschow, D., 1984: Outlook for research on marine subtropical stratocumulus clouds, *Bull. Amer. Meteor. Soc.*, 65 , 1290-1301.

Randel, W.J., and Stanford, J. L., 1983: Structure of medium-scale atmospheric waves in the Southern Hemisphere summer, *J. Atmos. Sci*., 40, 2312-2318.

Randel, W.J., and Stanford, J. L., 1985: An observational study of medium-scale wave dynamics in the Southern Hemisphere summer. Part I: Wave structure and energetics, J. Atmos. Sci., 42, 1172-1188.

Randel, W. J., and Stanford, J. L., 1985: An observational study of medium-scale wave dynamics in the Southern Hemisphere summer. Part II: Stationary-transient wave interference, *J. Atmos. Sci.,* 42, 1189-1197.

Randel, W. J., and Stanford, J. L., 1985: The observed life cycle of a baroclinic instability, *J. Atmos. Sci*., 42, 1364-1373.

Rao, G. V., Benson, C. L., and Tao, C.R., 1985: Structure of an Arabian Sea squall system, in: *Preprints, Sixteenth Conference on Hurricanes and Tropical Meteorology*, May 14-17, 1985, Houston, Texas , American Meteorological Society, Boston, MA.

Rao, G. V., Van de Boogaard, H., and Joseph, D., 1985: Contrasts between the Indian Ocean and the Eastern Pacific and Atlantic Atmospheric Circulation regimes of a mean January, in: *Preprints from IAMAP/IAPSO Joint Assembly*, Honolulu, HI.

Raschke, R. A., and Cox, S.K., 1983: Instrumentation and technique for deducing cloud optical depth, J. Clim. Appl . Meteor., 22, 1887-1893.

Rasmusson, E.M., and Carpenter, T.H., 1983: The relationship between Eastern Equatorial Pacific sea surface temperatures and rainfall over India and Sri Lanka, *Mon. Wea. Rev*., 111, 517-528.

Reed, R.K., 1985: An estimate of the climatological heat fluxes over the Tropical Pacific Ocean, *J. Clim. Appl. Meteor*., 24, 833-840.

Reiter, E. R., 1983: Thermal effects of the Tibet Plateau on atmospheric circulation systems, p. 11-25 in: *Proceedings of the First Sino-American Workshop on Mountain Meteorology*, Beijing, Peoples Republic of China, 18-23 May 1982, Science Press, Beijing and American Meteorological Society, Boston, MA.

Reiter, E.R., 1983: Teleconnections with tropical precipitation surges, *J. Atmos. Sci*., 40, 1631-1647.

Reiter, E.R., and Macdonald, B.C., 1984: *A statistical look at air-sea interaction in the North Pacific*, Environmental Research Paper No. 39, Colorado State University, Fort Coll ins, CO, 44 pp.

Reiter, E.R., and Tang, M., 1984: Plateau effects on diurnal circulation patterns, *Mon. Wea. Rev*., 112, 638-651.

Reiter, E.R., Tang, M., and Shen, R., 1984: *The hierarchy of motion systems over large plateaus*, Environmental Research Paper No. 37, Colorado State University, Fort Collins , CO, 12 pp.

Reverdin, G., Cadet, D. L., and Gutzler, D., 1986: Inter-annual displacements of convection and surface circulation over the Equatorial Indian Ocean, Quart. J. Roy. Meteor. Soc., 112(471):43-67.

Reverdin, G., and Sommeria, G., 1983: The dynamical structure of the planetary boundary layer over the Arabian Sea, as deduced from constant-level balloon trajectories, *J. Atmos. Sci.*, 40, 1435-1452.

Reyes, S., and Cadet, D. L., 1986: Atmospheric water vapor and surface flow patterns over the tropical Americas during May-August 1979, accepted for publication, Mon. Wea. Rev., 114, 582-93.

Rinne, J., and Jarvenoja, S., 1985: Smoothing error variance of the 500 mb height analyses for the FGGE year, *Mon. Wea. Rev*., 113, 794-800.

Roadcap, J. R., and Rao, G. V., 1986: Distinct features of thermals in stable wake and unstable - neutral stratifications in the disturbed monsoon boundary layer, *Boundary-Layer Meteor.*, 36, 133-148.

Rogers, D. P., Businger, J.A., and Charnock, H., 1985: A numerical investigation of the Jasin atmospheric boundary layer, *Boundary-layer Meteor*., 32, 373-400.

Ropelewski, C.F., Robock, A., and Matson, M., 1984: Comments on "An apparent relationship between Eurasian Spring snow cover and the advance period of the Indian summer monsoon," *J. Clim. Appl. Meteor*., 23, 341-342.

Rosen, R.D., Salstein, D.A. , Peixoto, J.P., Oort, A.H., and Lau, N.-C., 1985: Circulation statistics derived from level Il l-b and station-based analyses during FGGE, *Mon. Wea. Rev*., 113, 65-88.

Rosenthal , A.J., and Lindzen, R.S.,1983: Instabilities in a stratified fluid having one critical level. Part I: Results, *J. Atmos. Sci*., 40, 509-520.

Rosenthal, A.J., and Lindzen, R.S., 1983: Instabilities in a stratified fluid having one critical level. Part II: Explanation of gravity wave instabilities using the concept of overreflection, *J. Atmos. Sci*., 40, 521-529.

Ross , R.S., 1985: *Diagnostic studies of African easterly waves observed during GATE*, Grant report, Department of Atmospheric Sciences, Millersville University of Pennsylvania, Millersville, PA, 375 pp.

Ross, R.S., 1983: *Numerical diagnostic studies of GATE synoptic scale disturbances*, Technical Report, Department of Earth Sciences, University of Pennsylvania, Millersville, PA.

Ross, B., and Agee, E., 1985: Aircraft investigation of wintertime convective and non-convective boundary layers over the East China Sea, *J . Met. Soc. Japan*, 63, 405-417.

Sadler, J.C., and Kilonsky, B.J., 1985: Deriving surface winds from satellite observations of low-level cloud motions, *J. Clim. Appl. Meteor*., 24, 758-769.

Saha, K., and Chang, C.-P., 1983: The baroclinic processes of monsoon depressions , *Mon. Wea. Rev*., 111, 1506-1514.

Saltzman, B., 1984: On the role of equilibrium atmospheric climate models in the theory of long-period glacial variations, J. Atmos. Sci., 41, 2263-2266, 1984.

Saltzman, B., and Sutera, A., 1984: A model of the internal feedback system involved in late Quaternary climatic variations, *J. Atmos. Sci*., 41, 736-745.

Saltzman, B., and Vernekar, A.D., 1983: The influence of poloidal motions and latent heat release on the equilibrium ice extent in a simple cIimate model, *J. Atmos. Sci*., 40, 1426-1434.

Saltzman, B., Hansen, A. R., and Maasch, K. A., 1984: The late Quaternary glaciations as the response of a three-component feedback system to earth-orbital forcing, *J. Atmos. Sci*., 41, 3380-3389.

Sanders, F., 1984: Quasi-geostrophic diagnosis of the monsoon depression of 5-8 July 1979, *J. Atmos. Sci*., 41, 538-552.

Sang, J., and Reiter, E.R., 1984: Numerical experiments of the effects of mountain waves on the initiation of convective clouds in lee side, *Scientia Atmospherica Sinica*, 8, 126-134.

Sardeshmukh, P. D., and Held, I.M., 1984: The vorticity balance in the tropical upper troposphere of a general circulation model, *J. Atmos. Sci*., 41, 768-778.

Sasaki, Y. K., and Chang, L.P., 1983: Computational methods in meteorology, Paper presented at the 20th Annual Meeting of the Society of Engineering Science, August 22-24, 1983, Newark, DE.

Sasaki, Y. K., and Chang, L.P., 1983: On Numerical solution of the vertical structure equation in normal mode method, Reprints, Sixth Conference on Numerical Weather Prediction, June 6-9, 1983, Omaha, Nebraska, American Meteorological Society, Boson.

Sasaki, Y. K., and Chang, L.P., 1984: Methods in numerical weather prediction where finite element methods stand, in: *Finite Elements in Fluids*, Vol. 5, John Wiley & Sons, New York, NY.

Saunders, R.W., Stowe, L.L., Hunt, G. E., and England, C.F., 1983: An intercomparison between radiation budget estimates from METEOSAT 1, NIMBUS 7 and TIROS-N satellites, J. *Clim. Appl. Meteor.*, 22, 546-559.

Schaack, T.K., and Johnson, D. R., 1983: *The global angular momentum balance for January 1979*, M.S. Thesis, Department of Meteorology, University of Wisconsin, Madison, WI.

Schoeberl, M. R. , and Lindzen, R.S., 1984: A numerical simulation of barotropic instability, including wave-mean flow interaction, *J. Atmos. Sci*., 41, 1368-1379, 1984.

Schott, F., 1983: *Monsoon response of the Somali Current and associated upwelling, Progress in Oceanogr*., 12, 357-381.

Sheaffer, J.D., and Reiter, E.R., 1985: Influence of Pacific sea surface temperatures on seasonal precipitation over the Western Plateau of the United States, *Arch. Meteorol . Geoph. Bioclim*., 34, 111-130.

Shen, R., Reiter, E.R., and Bresch, J. F., 1986: Numerical simulation of the development of vortices over the Qinghai-Xizang (Tibet) Plateau, *Arch. Meteorol . Geoph. Bioclim*., 35, 70-95.

Shen, R., Reiter, E.R., and Bresch, J. F., 1986: A simplified hydrodynamic mesoscale model suitable for high plateau regions, *Arch. Meteorol . Geoph. Bioclim*., 34, 251-296.

Shin, K -S., and Mak, M., 1983: Aircraft measurements of the subsynoptic-scale properties of the monsoonal onset-vortex of 1979, *Mon. Wea. Rev*., 111, 1587-1598.

Shukla, J., 1983: Comments on "Natural variability and predictability", *Mon. Wea. Rev*. 111, 581-585.

Shukla, J., 1983: On physical basis and feasibility of monthly and seasonal prediction with a large GCM, p. 142-153 in: *Proceedings of WMO-CAS/JSC Expert Study Conference on Long Range Forecasting*, Dec. 1-4, 1982, Princeton, New Jersey, LRF Publication series No. 1, World Meteorological Organization, Geneva, Switzerland.

Shukla, J., 1984: Predictability of an atmospheric model, p. 449-456, in G. Holloway and B. J. West, Eds., American Institute of Physics, New York, NY.

Shukla, J., 1984: Predictability of time averages, Part II. The influence of the boundary forcing, in: D.M. Burridge and E. Kallen, (Eds.) , *Problems and Prospects in Lon and Medium Range Weather Forecasting*, p. 155-206, Springer-Verlag, New York, NY.

Shukla, J., 1985: Air-Sea-Land-Interactions: Global and regional habitability, *Origins of Life and Evolution of the Biosphere*, 15, 353-363.Reidel Publishing Co., Dordrecht, Holland.

Shukla, J., 1985: Predictability, Issues in atmospheric and oceanic modeling, Part II, Weather Dynamics, in: S. Manabe (Ed.) *Advances in Geophysics*, 28, Academic Press, Inc., New York, NY.

Shukla, J., 1985: General circulation modeling and the tropics, in: R.E. Dickson, Ed., *Geophysiology of Amazonia, Vegetation and Climate Interactions.* John Wiley & Sons, Inc., New York, NY.

Shukla, J., 1987: Interannual variability of monsoons, p. 399-464, in: J. S. Fein and P. L. Stephens (Eds.), *Monsoons*, John Wiley & Sons, Inc., New York, NY

Shukla, J., 1987: Prospects for long range forecasting of monsoons, in: J.S. Fein and P. L. Stephens (Eds.), *Monsoons*, John Wiley & Sons, Inc., New York, NY.

Shukla, J., and Gutzler, D.S., 1983: Interannual variability and predictability of 500 mb geopotential heights over the Northern Hemisphere, *Mon. Wea. Rev*., 111, 1273-1279.

Shukla, J., and Mo, K. C., 1983: Seasonal and geographical variation of blocking, *Mon. Wea*. *Rev*., 111, 388-402, 1983.

Shukla, J. , and Paol ino, Daniel A. , The Southern Oscillation and long-range forecasting of the sumer monsoon rainfal l over India, Mon. kea. Rev., 111, 1830-1837, 1983.

Shukla, J., and Wallace, J.M., 1983: Numerical simulation of the atmospheric response to Equatorial Pacific sea surface temperature anomalies, *J. Atmos. Sci*., 40, 1613-1630.

Sikdar, D.N., and Elsner, J., 1987: Large-scale departures related to dry and wet episodes in Northeast Brazil, *Quart. J. Roy. Met. Soc*., 113, 567-580.

Sikdar, D. N., and Elsner, J., 1987: Daily variability of rainfall and atmospheric energetics over NE Brazil during the rainy season of 1979, *Tellus*, 39, 49-60.

Silva Dias, M.F., Betts, A. K., and Stevens, D. E., 1984: A linear spectral model of tropical mesoscale systems: sensitivity studies, *J. Atmos. Sci*., 41, 1704-1716.

Silva Dias, P. L., Schubert, W.H., and DeMaria, M., 1983: Large-scale response of the tropical atmosphere to transient convection, *J. Atmos. Sci*., 40, 2689-2707.

Simons, A.J., Wallace, J.M., and Branstator, G. W., 1983: Barotropic wave propagation and instability, and atmospheric teleconnection patterns, *J. Atmos. Sci*., 40, 1363-1392.

Simpson, J., 1983: Waterspouts, gust fronts and associated cloud systems, NASA Technical Memo 85032, NASA Goddard Space Flight Center, Greenbelt, MD, 47pp.

Simpson, J., 1983: Cumulus clouds: Early aircraft observations and entrainment hypotheses, in: D.K. Lilly and T. Gal-Chen, (Eds.), *Mesoscale Meteorology - Theories, Observations and Models*, P. 353-737, Reidel Publishing Company, Dordrecht, Holland.

Simpson, J., 1983: Cumulus role in tropical Circulations, in: D.K. Lilly and T. Gal-Chen, (Eds.), *Mesoscale Meteorology – Theories, Observations, and Models*, 375-398. D. Reidel Publishing Company, Dordrecht, Holland.

Simpson, J., 1983: Cumulus clouds: interactions between laboratory experiments and observations as foundations for models, in: D.K. Lilly and T. Gal-Chen, (Eds.), *Mesoscale Meteorology - Theories, Observations and Models*, p. 399-412, Reidel Publishing Company, Dordrecht, Holland.

Simpson, J. ,1983: Cumulus clouds: numerical models, observations and entrainment, in: D.K. Lilly and T. Gal-Chen, (Eds.), *Mesoscale Meteorology - Theories, Observations and Models*, p. 413-445, Reidel Publishing Company, Dordrecht, Holland, 1983.

Simpson, J., Morton, B.R., McCumber, M.C., and Penc, R.S., 1986: Observations and mechanisms for GATE waterspouts, *J. Atmos. Sci*., 43, 753-783.

Smith, R. B., 1984: A theory of lee cyclogenesis, *J. Atmos. Sci*., 41, 1159-1168.

Smith, R. B., 1984: ALPEX observations and the theory of flow over and around mountains, *Rivista di Meteorologia Aeronautica*, 44, 31-36.

Smith, R. B., 1984: Orographic generation of baroclinic waves, *Rivista di Meteorologia Aeronautica*, 44, 219-224.

Smith, R.B., 1985: On severe downslope winds, *J. Atmos. Sci*., 42, 2597-603.

Smith, R. B., 1985: Further development of a theory of lee cyclogenesis, *J. Atmos. Sci*., 41, 159-168.

Smith, T., and Cox, S. K., 1984: *Radiation budget over the Indian monsoon region*, Atmospheric Sciences Paper No. 376, Colorado State University, Fort Collins, CO, 64 pp.

Snook, J., 1983: *Quasi-langrangian mass and angular momentum diagnostics of the Bay of Bengal depression (3-8 July 1979)*, M.S. Thesis, Department of Meteorology, University of Wisconsin, Madison, WI.

Snook, J., and Johnson, D.R., 1983: *Mass and angular momentum balance of a developing Bay of Bengal monsoon depression observed during MONEX*, Informal report, Department of Meteorology, University of Wisconsin, Madison, WI.

Song, J.L., and Frank, W.M., 1983: Relationships between deep convection and large-scale processes during GATE, *Mon. Wea. Rev*., 111, 2145-2160..

Soong, S.-T., and Chen, S.C., 1984: The effect of wind shear and ice phase on the structure of a tropical cloud cluster, p. 181-182 in: *Proceedings of the 15th Technical Conference on Hurricanes ad Tropical Meteorology* January 9-13, 1984, Miami , Florida, American Meteorological Society, Boston, MA.

Soong, S.-T. , and Shyu, K., 1985: A numerical study of the formation of convection in tropical easterly waves, p. 156-157 in: *Extended Abstracts Volume of the 16th Conference on Hurricanes ad Tropical Meteorology*, May 14-17, 1985, Houston, Texas, American Meteorological Society , Boson, MA.

Soong, S -T., and Tao, W. -K., 1984: A numerical study of the vertical transport of momentum in a tropical rainband, *J. Atmos. Sci*., 41, 1049-1061.

Speranza, A., Buzzi, A., Trevisan, A., and Malguzzi, P., 1985: A theory of deep cyclogenesis in the lee of the Alps. Part I. Modifications of baroclinic instability by localized topography, *J. Atmos. Sci.,* 42, 1521-1535.

Starr, D. 0'C., and Cox, S.K., 1985: Cirrus clouds, part 1: A cirrus cloud model, J. Atmos. Sci., 42, 2663-81.

Starr, D. O.'C., and Cox, S.K 1985: Cirrus clouds, part 2: Numerical experiments on the formation and maintenance of cirrus, *J. Atmos. Sci.,* 42, 2682-2694.

Stephens, G. L., 1984: The parameterization of radiation for numerical weather prediction and climate models, *Mon. Wea. Rev*., 112, 826-867, 1984.

Stephens, G. L., and Webster, P.L., 1984: Cloud decoupling of the surface and planetary radiative budgets, *J. Atmos. Sci*., 41, 681-686.

Stephens, G.L., Ackerman, S., and Smith, E.A., 1984: A shortwave parameterization revised to improve cloud absorption, J. Atmos. Sci., 41, 687-690.

Stern, W.F., Ploshay, J.J., and Miyakoda, K., 1984: Continuous data assimilation at GFDL during FGGE, p. 125-156, vol. 2 in: *Proceedings of ECMWF Workshop on Data Assimilation Systems*

and Observation Systems Experiment with Particular Emphasis on FGGE, September 3-11, 1984, ECMWF, Shinfield Park, Reading, England.

Stevens, D. E.,1983: On symmetric stability and instability of zonal mean flows near the Equator, *J. Atmos. Sci.*, 40, 882-893.

Stevens, D. E., 1984: Energy analysis of a recent approximation to the atmospheric primitive equations, Tellus, 36A, 433-445.

Stone, P. H., and Chervin, R.M., 1984: The influence of ocean surface temperature gradient and continentality on the Walker Circulation. Part 11: prescribed global changes, *Mon. Wea. Rev*., 112, 1524-1534.

Stout, J.E., and Young, J. A., 1983: Low-level monsoon dynamics derived from satellite winds, *Mon. Wea. Rev*., 111, 774-798.

Stull, R.B., 1983: Integral scales for the nocturnal boundary layer. Part I: empirical depth relationships, *J. Clim. Appl. Meteor*., 22, 673-686.

Stull, R. B., 1983: Integral scales for the nocturnal boundary layer. Part II: heat budget, transport and energy implications, *J. Clim. Appl. Meteor*., 22, 1932-1941.

Stull, R. B., 1984: Transilient turbulence theory. Part I: The concept of eddy-mixing across finite distances, *J. Atmos. Sci*., 41, 3351-3367.

Stul l, R. B., 1984: Transilient turbulence theory. Part II: Turbulent adjustment, J. Atmos. Sci., 41, 3368-3379.

Stull, R. B., 1985: A fair-weather cumulus cloud classification scheme for mixed-layer studies, *J. Clim. Appl. Meteor*., 24, 49-56.

Stull, R. B., 1985: Predictability and scales of motion, *Bull. Amer. Meteor. Soc*., 66, 432-436.

Suarez, M.J., Arakawa, A., and Randall, D.A., 1983: The parameterization of the planetary boundary layer in the UCLA general circulation model : formulation and results , *Mon. Wea. Rev*., 111, 2224-2243.

Sud, Y.C., and Fennessy, M.J., 1984: A numerical study of the influence of evaporation in semi-arid regions on the July circulation, *J. Climatology*, 4, 383-398.

Sud, Y.C., and Smith, W. E. , Ensemble formulation of surface fluxes and improvements in evapotranspiration and cloud parameterizations in a GCM, Boundary-Layer Meteor. , 29, 185, 1984.

Sud, Y.C., and Smith, W. E., 1985: The influence of surface roughness of deserts on the July circulation - a numerical study, *Bound.-Layer Meteor.*, 33, 1-35

Sud, Y.C., Shukla, J., and Mintz, Y., 1985: Influence of land-surface roughness on circulation and rainfall , p. 93-94 in: *Proceedings of the Third Conference on Climate Variations : Contemporary Climate: 1850-2100*, January 7-11, 1985, Los Angeles, California, American Meteorological Society, Boston, MA.

Sud, Y.C., Shukla, J., and Mintz, Y., 1985: *Influence of land-surface roughness on atmospheric circulation and rainfall: a sensitivity study with a GCM*, NASA Technical Memo 86219, NASA Goddard Space Flight Center, Greenbelt, MD.

Sui., C.-H., 1984: *Cumulus effects on the large-scale vorticity and momentum fields in the tropical atmosphere*, Ph.D. thesis, Department of Atmospheric Sciences, University of California, Los Angeles, 145 pp. (GATE)

Sui , C.-H., and Yanai, M., 1984: Vorticity budget of the GATE A/B area and its interpretation, in: *Proceedings of the 15th Technical Conference on Hurricanes and Tropical Meteorology,* January 9-13, 1984, Miami, Florida, American Meteorological Society, Boston, MA.

Stout, J. E., and Young, J. A., 1983 Low-level monsoon dynamics derived from satellite winds, *Mon. Wea. Rev*., 111, 774-798, 1983.

Susskind, J., and Reuter, D., 1985: Retrieval of sea-surface temperatures from HIRS2/MSU, *J. Geophys. Rev. Oceans*, 90(C6), 11602-11608.

Susskind, J., Rosenfield, J., and Reuter, D., 1983: An accurate radiative transfer model for use in the direct physical inversion of HIRS2 and MSU temperature sounding data, *J. Geophys. Res*., 88C, 8550-8568.

Susskind, J., Rosenfield, J., Reuter, D., and Chahine, M. T., 1984: Remote sensing of weather and climate parameters from HIRS2/MSU on TIROS-N, *J. Geophys. Res*., 890, 4677-4697.

Szoke, E.J., and Zipser, E.J., 1986: A radar study of convective cells in mesoscale systems in GATE. Part II: Life cycles of convective cells, *J. Atmos. Sci*., 43, 199-218.

Szoke, E.J., Zipser, E.J., and Jorgensen, D. P., 1986: A radar study of convective cel ls in mesoscale systems in GATE. Part I: Vertical profile statistics and comparison with hurricanes, *J. Atmos. Sci*., 43,182-198.

Tai, K. S., 1985 *Observational studies of wave disturbances in the Tropical Pacific and their relationship with deep cloud activity*, Ph.D., Department of Atmospheric Sciences, University of Illinois, Urbana, IL.

Tai, K.S., and Ogura, Y., 1985: Easterly waves over the Eastern Pacific in Northern Hemisphere summer as revealed by FGGE Level Ill-b data, p.46-47 in: Extended Abstract Volume of the 16th Conference on Hurricanes and Tropical Meteorology, May 14-17, 1985, Houston, Texas, American Meteorological Society, Boston, MA.

Tanaka, H., 1985: Global energetics analysis by expansion into three-dimensional normal mode functions during the FGGE winter, *J. Meteor. Soc. Japan*, 63, 180-200.

Tang, M. and Reiter, E.R., 1984: Plateau monsoons of the northern hemisphere: A comparison between North America and Tibet, Mon. Wea. Rev., 112, 638-651.

Tao, W.-K., 1983: *A numerical study of the structure and vertical transport properties of a tropical convective system*, Ph.D. thesis, Department of Meteorology, University of Illinois, Urbana, IL. (GATE)

Tao, W.-K., and Soong, S.-T., 1986: A study of the response of deep tropical clouds to mesoscale processes: three-dimensional numerical experiments, *J. Atmos. Sci*., 43, 2653-2676.

Tchen, T.C., 1984: *Theory and modeling of atmospheric turbulence, Part I : September 1, 1981 August 31, 1982*, NASA Contractor Report 3787, NASA, Washington, D.C.

Teixeira, L., and Reiter, E.R., 1985: Sea surface temperature, rainfall and Southern Oscillation : relationships over Tropical America, *Arch. Meteorol . Geoph. Bioclim*., 34, 85-109.

Thorndike, A.S., and Colony, R., 1983: *Arctic ocean buoy program*, Data Report, 19 January 1979 - 31 December 1979, Polar Science Center, University of Washington, Seattle, WA, 131 pp.

Tibaldi, S., and Buzzi, A., 1983: Effects of orography on Mediterranean lee cyclogenesis and its relationship to European blocking, *Tellus*, 35A, 269-286.

Tollerud, E.I., 1984: Composite fields of kinematic variables in GATE cloud clusters, p. 461-464 in: *Postprints, 15th Conference on Hurricanes and Tropical Meteorology*, January 9-13, 1984, Miami, Florida, American Meteorological Society, Boston, MA.

Tollerud, E.I., and Esbensen, S. K., 1983: An observational study of the upper-tropospheric vorticity fields in GATE cloud clusters, *Mon. Wea. Rev*., 111, 2161-2175.

Tollerud, E.I., and Esbensen, S. K., 1984: A note on the production of vorticity by parameterized cumulus clouds in general circulation models, Report No. 59, Climate Research Institute, Oregon State University, Corvallis , OR, 42 pp.

Tollerud, E.I., and Esbensen, S. K., 1985: A composite life cycle of nonsquall mesoscale convective systems over the tropical ocean: Part I. Kinematic fields, J. Atmos. Sci., 42, 823-837.

Townsend, R.D., and Johnson, D. R., 1985: A diagnostic study of the isentropic zonally-averaged mass circulation during the First GARP Global Experiment, *J. Atmos. Sci.*, 1565-1579.

Trenberth, K.E., 1983: Interactions between orographically and thermally forced planetary waves, *J. Atmos. Sci*., 40, 1126-1153.

Trenberth, K. E., 1984: Interannual variability of the Southern Hemisphere circulation: representativeness of the year of the Global Weather Experiment, *Mon. Wea. Rev*., 112, 108-123.

Trenberth, K. E., 1984: Some effects of finite sample size and persistence on meteorological statistics. Part I: autocorrelations, Mon. Wea. Rev., 112, 2359-2368.

Trenberth, K. E., 1984: Some effects of finite sample size and persistence on meteorological statistics. Part II. potential predictability, *Mon. Wea. Rev*., 112, 2369-2379.

Trenberth , K.E., 1984; Signal versus noise in the Southern Oscillation, *Mon. Wea. Rev*., 112, 326-332.

Trenberth, K.E., 1985: Persistence of daily geopotential heights over the Southern Hemisphere, *Mon. Wea. Rev.,* 113, 38-53.

Trenberth, K.E., 1985: Potential predictability of geopotential heights over the Southern Hemisphere, *Mon. Wea. Rev*., 113, 54-64.

Trenberth, K.E., and Mo, K. C., 1985: Blocking in the Southern Hemisphere, *Mon. Wea. Rev*., 113, 3-21, 1985.

Trenberth, K.E., and Christy, J. R., 1985: Global fluctuations in the distribution of atmospheric mass, *J. Geophys. Res*., 90(D5), 8042-8052.

Trenberth, K. E., and Shin, W.-T., 1984: Quasi-biennial fluctuations in sea level pressures over the Northern Hemisphere, *Mon. Wea. Rev*., 112, 761-777.

Tribbia, J.J., 1984: A simple scheme for high-order nonlinear normal mode initialization, *Mon. Wea. Rev*., 112, 278-284.

Tsay, C.-Y., Terry, C.-T., and Soong, S.-T., 1985: The effect of topography of Taiwan on precipitation, *Atmospheric Sciences*, 12, 33-40.

Tuleya, R. E., and Kurihara, Y., 1984: The formation of comma vortices in a tropical numerical simulation model, *Mon. Wea. Rev*., 112, 491-502.

Turpeinen, O., 1984: Reply to H.D. Orville's Comments on "Cloud Interaction and merging on day 261 of GATE," *Mon. Wea. Rev*., 112, 389.

Uccellini, L.W., 1984: Comments on "Comparative diagnostic case study of East Coast secondary cyclogenesis under weak versus strong synoptic-scale forcing", *Mon. Wea. Rev*., 112, 2540-2541.

Van de Boogaard, H., and Rao, G.V., 1984: Mesoscale structure of the low-level flow near the equatorial East African coast, *Mon. Wea. Rev*., 112, 91-107, 1984.

Van Loon, H., 1984: The Southern Oscillation. Part III: Associations with the trades and with the trough in the westerlies of the South Pacific Ocean, *Mon. Wea. Rev*., 112, 947-954.

Van Loon, H., and Madden, R.A., 1983: Interannual variations of mean monthly sea-level pressure in January, *J. Clim. Appl. Meteor*., 22, 687-692.

Van Loon, H., and Rogers, J.C., 1984: The yearly wave in pressure and zonal geostrophic wind at sea level on the Southern Hemisphere and its interannual variability, *Tellus*, 36A, 348-354, August 1984.

Van Loon, H., and Rogers, J.C., 1984: Interannual variations in the half-yearly cycle of pressure gradients and zonal wind at sea level on the Southern Hemisphere, *Tellus*, 36A, 76-86.

Van Tuyl, A.H., 1986: Advective influences on forced tropical motions, *J. Atmos. Sci*., 43, 141-161.

Vergin, J.M., Johnson, D. R., and Atlas, R., 1984: A quasi-lagrangian diagnostic case study of the effect of satel lite sounding data assimilation on model cyclone prediction, *Mon. Wea. Rev*., 112, 725-739.

Vincent, D. G., 1985: Cyclone development in the South Pacific convergence zone during FGGE, 10-17 January 1979, *Quart. J. Roy. Meteor. Soc*., 111, 155-172.

Vincent, D. G., and Carney, T.Q., 1984: Differences between kinetic energy budget terms derived from SESAME and NWS data sets, *Mon. Wea. Rev*., 112, 2347-2353.

Vincent, D. G., and Huang, H. -J., 1983: The role of stationary waves in maintaining the South Pacific convergence zone, p. 35-37 in: Preprint Volume, IAMAP/WMO Symposium on Maintenance of the Quasi-Stationary Components of the Flow in the Atmosphere and in Atmospheric Models , August 29-September 2, 1983, Paris, France, American Meteorological Society , Boson, MA.

Vincent, D.G., and Kann, D.M.,1985: A diagnosis of two cyclones in the South Pacific convergence zone, in: *Preprints, Seventh Conference on Numerical Weather Prediction*, June 17-20, 1985, Montreal, Canada, American Meteorological Society, Boston, MA.

Wahr, J.M. , and Oort, A.H., 1984: Friction- and mountain-torque estimates from global atmospheric data, *J. Atmos. Sci*., 41, 190-204.

Wang, B., Barcilon, A., and Howard, L.N., 1985: Linear dynamics of transient planetary waves in the presence of damping, accepted for publication, *J. Atmos. Sci*.

Warner, C., 1984: Stereo-pair photographs of monsoon clouds, *Bull. Amer. Meteor. Soc*., 65, 344-347.

Warner, C., 1984: Core structure of a Bay of Bengal monsoon depression, *Mon. Wea Rev*., 112, 137-152.

Warner, C., and McNamara, D. P., 1984: Aircraft measurements of convective draft cores in MONEX, *J. Atmos. Sci*., 41, 430-438.

Warner, C., and Grumm, R. H., 1984: Cloud distributions in a Bay of Bengal monsoon depression, *Mon. Wea. Rev*., 112, 153-172.

Watanabe, H., and Ogura, Y., 1987: Effects of orographically forced upstream lifting on mesoscale heavy precipitation: A case study, *J. Atmos. Sci.,* 44, 661-675.

Webster, P .J., 1983: Mechanisms of monsoon low-frequency variability: surface hydrological effects, *J. Atmos. Sci*., 40, 2110-2124.

Webster, P. J., 1983: The large-scale structure of the tropical atmosphere, in: Hoskins and Pearce (Eds.), *General Circulation of the Atmosphere*, p. 235-275, Academic Press, London, England.

Webster, P. J., 1987: The interactive monsoon, in: J. S. Fein and P. L. Stephens (Eds.), *Monsoons*, John Wiley and Sons, New York, NY.

Webster, P.J., 1987: The elementary monsoon, in: J.S. Fein and P.L. Stephens (Eds.), *Monsoons*, John Wiley and Sons, New York, NY.

Webster, P. J., and Stephens, G.L., 1984: Cloud-radiation feedback and the climate problem, in : J. Houghton (Ed.), *The Global Climate*, p. 63-78, Cambridge University Press, Cambridge, England.

Wei , M.Y., Johnson, D.R., and Townsend, R.D., 1983: Seasonal distributions of diabatic heating during the First GARP Global Experiment, *Tellus, 35A*, 241-255.

Wei, M -Y., and Schaack, T.K., 1983: Seasonal distributions of mountain torques during FGGE, *J. Atmos. Sci*., 41, 3032-3039.

Welch, R.M., Ravichandran, M. G., and Cox, S. K., 1986: Prediction of quasi-periodic oscillations in radiation fogs - 1. Comparison of simple similarity approaches, *J. Atmos. Sci*. (not found on Google Scholar, though accepted for publication)

West, B.J., and Lindenberg, K., 1983: Comments on statistical measures of predictability in: G. HoIIoway and B.J. West, (Eds.), *Predictability of Fluid Motions*, Vol. 106, p. 45-54, American Institute of Physics, New York, NY.

West, B.J., and Lindenberg, K., 1984: Nonlinear fluctuation-dissipation relations, in: W. Horsthemke and O.K. Kondepudi, (Eds.), *Fluctuations and Sensitivity in Nonequilibrium Systems*, Vol. 1, Springer-Verlag, Proceedings in Physics, Berlin, 1984, New York, NY.

Wilczak, J.M., and Businger, J.A., 1983: Thermally indirect motions in the convective atmospheric boundary layer, *J. Atmos, Sci*., 40, 343-358.

Williams, R. T., Lim, H., and Chang, C.-P., 1984: Nonlinear and linear effects in an easterly jet with downstream variation, *J. Atmos. Sci*., 41, 621-636.

Williamson, D. L., and Daley, R., 1983: A unified analysis-initialization technique, *Mon. Wea. Rev*., 111, 1517-1536.

Willmott, C.J., 1984: A primer on the representation of the terrestrial seasonal snow cycle within GCM's, *Modeling and Simulation*, 15, 327-332.

Willmott, C.J., Ackleson, S.G., Davis, R.E., Feddema, J.J., Klink, K.M., Legates, D. R., O'Donnell , J., and Rowe, C.M., 1985: Statistics for the evaluation and comparison of models, *J. Geophys. Res. (Oceans*), 90(C5), 8995-9005.

Wilson, J.D. , and Mak, M., 1984: Tropical response to lateral forcing with a latitudinally and zonally nonuniform basic state, *J. Atmos. Sci*., 41, 1187-1201.

World Meteorological Organization, 1982: *ALPEX Field Phase Report*, ICSU/WMO GARP-ALPEX Report No. 6A, World Meteorological Organization, Geneva, Switzerland, 181 pp.

World Meteorological Organization, 1982: *ALPEX National Programmes*, ICSU/WMO GARP-ALPEX Report No. 6B, World Meteorological Organization, Geneva, Switzerland.

World Meteorological Organization, 1982: *Report of the Third Session of the Inter-Governmental Panel Meeting on ALPEX*, ICSU/WMO GARP Special Report No. 40, World Meteorological Organization, Geneva, Switzerland, 116 pp.

World Meteorological Organization, 1982: *Report of the Fourth Session of the West African Monsoon Experiment (WAMEX) Scientific and Management Regional Committee*, Cairo, November-December 1982, ICSU/WMO GARP Special Report No. 41, World Meteorological Organization, Geneva, Switzerland.

World Meteorological Organization, 1983: *WAMEX Field Phase Report*, ICSU/WMO FGGE Operations Report No. 10, World Meteorological Organization, Geneva, Switzerland, 11 pp.

World Meteorological Organization, 1984: *Report on the Seminar on Progress in Diagnostic Studies of the Global Atmospheric Circulation as a Result of the Global Weather Experiment*, 28-31 August 1984, Helsinki, Finland, ICSU/WMO GARP Special Report No. 42, World Meteorological Organization, Geneva, Switzerland, 252 pp.

World Meteorological Organization, 1985: *Report of the Seminar on Progress in Numerical Modeling and the Understanding of Predictability as a Result of the Global Weather Experiment*, Sigtuna, Sweden, October 1984, ICSU/WMO GARP Special Report No. 43, World Meteorological Organization, Geneva, Switzerland, 390 pp.

World Meteorological Organization, 1985: *Report of the Seminar on Progress in Tropical Meteorology as a Result of the Global Weather Experiment*, Tallahassee, October 1984, ICSU/WMO GARP Special Report No, 44, World Meteorological Organization, Geneva, Switzerland, 465 pp.

Wylie, D.P., and Hinton, B. B., 1984: Factors affecting boundary-layer wind shear over the Indian Ocean during FGGE, *Boundary-Layer Meteor*., 28, 391-408.

Yanai, M., and Lu, M.-M., 1983: Equatorially trapped waves at the 200 mb level and their association with meridional convergence of wave energy flux, *J. Atmos. Sci*., 40, 2785-2803.

Yanai, M., and Lu, M.-M., 1984: Interannual variability of equatorially trapped waves at 200 mb, *Tropical Ocean-Atmosphere Newsletter*, 23, 7-9.

Yeh, T.-C., Wetherald, R. T., and Manabe, S., 1984: The effect of soi l moisture on the short-term climate and hydrology change--a numerical experiment, *Mon. Wea. Rev*., 112, 474-490.

Yen, H.F., 1985: *Satellite study of a dust outbreak over the Arabian Sea during MONEX*, M.S. Thesis, Department of Meteorology, University of Wisconsin, Madison, Wisconsin, 60 pp.

Young, J.A., 1985: Satellite wind fields over the tropics: Space-time analyses and dynamics, p. 43-55 in: Lectures Volume, Training Seminar on the Use of Meteorological Data with Implications for Forecasting and Research in Tropical Countries, Reading, England, World Meteorological Organization, Geneva, Switzerland.

Young, J.A.,1985: Impact of FGGE and satellite data on short-range forecasting in the tropics, p. 55-63 in: Lectures Volume, *Training Seminar on the Use of Meteorological Data with Implications for Forecasting and Research in Tropical Countries*, Reading, England, World Meteorological Organization, Geneva, Switzerland.

Young, J.A., 1985: Boundary layer dynamics of tropical and monsoonal flows, in: *Monsoon Meteorology*, Oxford University Press, London, England, in press.

Young, J.A., 1987: Physics of Monsoons: The Modern View, in: J. S. Fein and P. L. Stephens (Eds.), *Monsoons*, John Wiley and Sons, New York, NY.

Young, G. S., and Johnson, R. H., 1984: Meso- and microscale features of a Colorado cold front, *J. Clim. Appl. Meteor*., 23, 1315-1325.

Yu, W.-B., Martin, R. L. and Stanford, J. L., 1983: Long and medium-scale waves in the lower stratosphere from satellite-derived microwave measurements, *J. Geophys. Res*., 88, 8505-8511.

Yu, W.-B., and Stanford, J.L., 1984: Stratospheric circulation in the southern summer/northern winter 1980-81: behavior of zonal waves 1-10, *J. Atmos. Sci*., 41, 2179-2188.

Yu, W.-B., Stanford, J.L., and Martin, R. L., 1984: Some interhemispheric comparisons of medium-scale waves in the lower stratosphere, *J. Atmos. Sci*., 41, 2084-2088.

Yuen, C.W., 1985: Dynamical modeling of flow in cumulus-filled boundary layers, *J. Atmos. Sci*., 42, 113-134.

Yuen, C.W., 1985: Simulations of cold surges over oceans with applications to AMTEX 75, *J. Atmos. Sci*., 42, 135-154

Yuen, C.W., and Young, J.A., 1986: Dynamical adjustment theory for boundary layer flow in cold surges, *J. Atmos. Sci*., 43, 3089-3108.

Zehnder, J., and Bannon, P.R., 1983: *Some aspects of linear mountain wave drag*, Grant Report to NSF, Department of Geophysical Sciences, University of Chicago, Chicago, IL, 39 pp.

Zeng, Q. -C., 1983: The evolution of a Rossby-Wave packet in a three-dimensional barocl inic atmosphere, *J. Atmos. Sci*., 40, 73-84.

Zillman, J. W., and Johnson, D. R., 1985: Thermally forced mean mass circulations in the Southern Hemisphere, *Tellus*, 37A,