**CARLOS R. MECHOSO**

*University Address*:

Department of Atmospheric Sciences

University of California, Los Angeles

7127 Math Sciences Building

405 Hilgard Avenue

Los Angeles, CA 90095-1565 USA

Phone: (310) 825 – 3057

Fax: (310) 206 – 5219Email: [mechoso@atmos.ucla.edu](mailto:mechoso@atmos.ucla.edu)

*Home Address*:

7541 Agnew Avenue

Los Angeles, CA 90045 USA

Phone: (310) 645 -3671

Place of Birth: Montevideo, Uruguay

Citizenship: USA

**EDUCATION**

Engineer (Electro-Mechanical): University of Uruguay, 1974

Master of Arts: Princeton University, 1977

Ph.D. Princeton University, 1978

**EMPLOYMENT**

*University of Uruguay*: Lecturer in Fluid Mechanics for Mechanical and Civil Engineers and in Continuum Mechanics. School of Engineering (1968-1974)

*Princeton University*: Research Assistant, Geophysical Fluid Dynamics Program (Jan-Aug, 1975). Graduate Student, September 1975 - December 1978. Advisor: Dr. I. Orlanski.

*University of California Los Angeles*: Joined as Adjunct Assistant Professor in January 1979; currently Distinguished Professor.

**RESEARCH INTERESTS**

Numerical modeling and simulation of the global atmosphere, in both scientifical and computational aspects. Coupled atmosphere-ocean interactions, stratospheric dynamics, impacts of cloud on the climate system, monsoon systems, distributed computing.

**COMMITTEES**

**American Meteorological Society (AMS) and World Climate Research Program (WCRP)**

AMS Committee on Southern Hemisphere Meteorology and Oceanography, 1986-1989.

Jacob Bjerknes Symposium on Air-Sea Interactions. AMS/World Meteorological Organization/ Norwegian Geophysical Society. Anaheim, California, 31 January - 5 February 1988, **Chair of Organizing Committee**.

Third International Conference on Southern Hemisphere Meteorology and Oceanography of the AMS, Buenos Aires, Argentina, 13-17 November 1989, Program Committee.

International Commission on the Meteorology of the Upper Atmosphere (ICMUA) Working Group on Modelling, 1990 -1991.

Fifth Conference on Climate Variation of the AMS, Denver, Colorado,14-18 October 1991, **Chair of Local Organizing Committee.**

AMS Committee on Climate Variability, 1992–1995.

NOAA Pan American Climate Studies (PACS) Program, **Chair of Modeling Group,** 1996-1997.

Conference on American Monsoons (CONAM), Mexico City, Mexico, 16-20 March 1997, **Chair of Scientific Commitee.**

WCRP/CLIVAR Panel on the Variability of American Monsoon Systems (VAMOS), **Chair**, 1997-2004.

NOAA Pan American Climate Studies (PACS) Program, Scientific Steering Group, 1997-1999.

AMS Annual Meeting. Dallas, Texas, 10-15 January 1999, CLIVAR/VAMOS session at the 79th Annual Meeting of the AMS, **Organizer and Session Chair**.

U.S. CLIVAR Pan American Sector Implementation Panel, 1999-2002.

U.S. CLIVAR Seasonal-to-Interannual Modeling and Prediction (SIMAP) Panel, August 1999-January 2000.

WCRP Coordinated Enhanced Observing Period (CEOP) Program, Scientific Steering Group, 2001- 2007.

WCRP/CEOP Workshop on American Monsoons, Montevideo, Uruguay, 17-18 September 2004, **Co-Chair of International Science Committee.**

Third WMO International Workshop on Monsoon (IWM-III), Hangzhou, China, 2-6 November 2005, International Organizing Committee.

First Pan-WCRP Workshop on the Monsoon Climate System: Toward Better Predictions of the Monsoons, Irvine, California, 15 -17 June 2005, Steering Committee.

Fifth GEWEX International Scientific Conference on the Global Energy and Water Cycle, Irvine, California, 20-24 June 2005, Scientific Steering Committee

Fourteenth Conf. on Interaction of the Sea and Atmosphere of the AMS, Atlanta, Georgia, 28 January - 31 January 2006, **Program Chair.**

WCRP/CLIVAR/VAMOS Ocean-Cloud-Atmosphere-Land Studies (VOCALS), **Chair of Science Working Group,** 2005 - present.

WCRP/CLIVAR Panel on the Variability of American Monsoon System (VAMOS), 2005-2011.

WCRP/CLIVAR Scientific Steering Group, 2007-2010.

WCRP Drought Interest Group (DIG), 2008 – present.

US CLIVAR Working Group on “Upper-Ocean Heat Budget Synthesis for the Eastern Equatorial Pacific and Atlantic Oceans”, Co-Chair, 2012 – present.

**Other Committee Work**

San Diego Supercomputer Center Allocation Committee, 1988-1990.

NATO Advanced Research Workshop on Dynamics, Transport and Photochemistry in the Middle Atmosphere of the Southern Hemisphere, NATO/NASA/UCLA, San Francisco, California,15 -17 April 1989, **Co-Director**.

Operations Committee of the University of California - Digital Corporation Sequoia 2000 Project, 1991-1994.

Department of Energy Computer Hardware Advanced Mathematics and Model Physics (CHAMMP) Program, Science Team, 1991-1998.

NOAA/NCEP Sixteenth Climate Diagnostics Workshop, 27 October - 1 November 1991, Lake Arrowhead, California, **Chair** of Local Committee.

Gigabit Network/CASA Testbed Project, Executive Committee, 1992–1994.

San Diego Supercomputer Center Steering and Executive Committees, 1992–1994.

CNRS/NASA STRATEOLE Project, Steering Committee, 1992–2003.

NASA High Performance Computing and Communications (HPCC) Earth and Space Sciences Project, Science Team, 1993-1999.

Second International Symposium on High Performance Distributed Computing (HPDC-2), Spokane, Washington, 21-23 July 1993, Program Committee.

Center for Ocean-Land-Atmosphere Studies (COLA), Scientific Advisory Committee, 1994–1997.

Third International Workshop on Heterogeneous Distributed Computing (HCM-94), Cancún, Mexico, 12-14 March 1994, Program Committee.

Third International Symposium on High Performance Distributed Computing (HPDC-3), San Francisco, California, 3-5 August 1994, Program Committee.

Second UNAM-CRAY Supercomputing Conference: Numerical Simulations in the Environmental and Earth Sciences, Mexico City, Mexico, 21-24 June 1995, Scientific Committee.

Fourth International Symposium on High Performance Distributed Computing (HPDC-4), Pentagon City, Virginia, 1-4 August 1995, Program Committee.

MISSION EARTH '97, Phoenix, Arizona, 12-15 January 1997, **Program Chair**.

International Parallel and Distributed Processing Symposium (IPDPS 2000), Cancun, Mexico, 1-5 May 2000, Program Committee.

2001 Joint Assemblies of the International Association of the Physical Sciences of the Oceans and International Association for Biological Oceanography, Mar del Plata, Argentina, 21-26 October 2001, **Co Convener** **of IC02 Symposium:** Role of Ocean on Climate Variability over South America.

Envirosoft 2002, Bergen, Norway, 6-8 May 2002, International Scientific Advisory Committee.

VORCORE/STRATEOLE Workshop, CNES Headquarters, Paris, France, 16-17 November 2002, Organizing Committee.

Workshop on Hydrology from Space, Toulouse, France, 29 September -1 October 2003, Scientific Program Committee.

Noveno Congreso de Meteorologia (CONGREMET IX). Centro Argentino de Meteorologos (CAM), Buenos Aires, Argentina, 3-7 de October 2005, Scientific Program Committee.

Fall Meeting of the Amer. Geophys. Union, San Francisco, California, 11-15 December 2006, **Convener** of the session Climate Variability over the Americas: Links with Oceans and Land.

General Assembly of the International Union of Geodesics and Geophysics IUGG), Perugia, Italy, July 2007, **Lead Convener** of IAMAS M18: The Dynamics of Eastern Tropical Oceans and Subtropical Highs (ICDM).

Sixteenth Conf. on Interaction of the Sea and Atmosphere of the AMS, 12 - 16 January 2009, Phoenix, Arizona, **Session Chair.**

First National Center for Environmental Predictions/Environmental Modeling Center (EMC) Workshop on Numerical Weather and Climate Modeling (NCEP/EMS). 17-20 March 2009. **Co-Convener**.

Fall Meeting of the Amer. Geophys. Union, San Francisco, California, 11-15 December 2009, **Convener** of the session Climate Variability over the Americas: Links with Oceans and Land.

**Committee Work at UCLA**

Dept. of Atmospheric Sciences, Undergraduate Advisor, 1982-1985.

Legislative Assembly of the Academic Senate, 1981-1983.

Executive Committee of the College of Letters and Sciences, 1983-1985.

Supercomputer Planning Committee, 1984-1990.

Climate Dynamics Laboratory, Associate Director, 1986-1990.

Summer School in Nonlinear Science, 7-12 August 1988, Member of Organizing Committee.

College of Letters and Science Computing Committee, 1988-1992.

Academic Senate Committee on Privilege and Tenure, 1991-1992; Vice Chair, 1992-1993; **Chair**, 1993-1995.

Instruction and Research Computing Committee, 1995-1996.

University of California Systemwide Committee on Privilege and Tenure, 1995-1996.

Committee in Undergraduate Honors and Prizes, 1996.

UCLA Seminar Series, "Challenges in Computing: Role of Research Universities", **Chair,** 1997-2000.

Academic Science Grievance and Disciplinary Procedures Committee, 1997-2001; 2002-2005.

Dept. of Atmospheric and Oceanic Sciences, Graduate Advising Committee, **Chair**, 2005-2006.

Academic Senate Grievance and Advising Committee, **Chair**; 2006-2009.

Council on Academic Personnel, 2010-2013.

**EDITORIAL ACTIVITIES**

Journal of Atmospheric Sciences, Associate Editor, 1990–1993.

Editorial Board, WCRP’s Coordinated Enhanced Period (CEOP) Newsletter, 2002-2008.

Reviewer for J. Atmos. Sci., Mon. Wea. Rev., J. Climate, J. Applied Meteor., J. Geophys. Res., Geophys. Res. Lett., Climate Dynamics, Atmósfera, Meteorológica, Science, Nature.

Editor. Special issue on VOCALS of Atmospheric Chemistry and Physics/Ocean Sciences.

Contributing Editor. December 2009 issue of US CLIVAR VARIATIONS

**HONORS AND SPECIAL RECOGNITION**

Recognition for Excellence in Teaching, UCLA Department of Atmospheric Sciences 1985, 1986, 1988.

San Diego Supercomputer Center, Senior Fellow, Elected 1996.

University of the Republic, Uruguay, Honorary Professor, 1990–present.

NCAR Scientific Computing Division, Reviewer, 1996.

Cooperative Institute of Marine and Atmospheric Studies (CIMAS), U. Miami, Scientific Reviewer, 1998.

National Academy of Engineering, Uruguay, Corresponding Member, Elected 1998.

American Meteorological Society, Fellow, Elected 1999.

Ecole Polytechnique, Palaiseau, France, Directeur de Recherche, October-November, 2000.

NSF Center for Integrated Space Weather Model (CISM), Advisory Council, 2002-2004.

NASA’s Computational Modeling Technologies for Earth and Space Sciences (COMTESS), Project Scientist, 2002-2005.

International Pacific Research Center, U. Hawaii, Science Advisory Committee, 2002-2009.

National Environment Research Council (NERC), Centres for Atmospheric Sciences, United Kingdom, Moderating Panel, 11-12 March 2005.

Academy of Finland, Finnish Programme for Centres of Excellence in Research 2008-2013. Proposal Evaluator.

Distinguished Visitor, Universidad Complutense de Madrid, Spain, 1 October- 17 November 2006.

Collaborador Honorífico. Departamento de Física de la Tierra, Astronomía y Astrofísica I (Geofísica y Meteorología), Facultad de Ciencias Fisicas, Universidad Complutense de Madrid, Spain, 2010-current.

PREFACE (Enhancing Prediction of Tropical Atlantic Climate and its Impacts). Project of European Union. Member of external Scientific Advisory Panel. ([www.preface-project.eu](http://www.preface-project.eu))

Keynote Speaker at the WCRP Conference for Latin America and the Caribbean: Developing, linking and applying climate knowledge. 17-21 March 2014, Montevideo, Uruguay.

## PROFESSIONAL SOCIETIES

American Meteorological Society (Fellow)

American Geophysical Union

American Society for the Advancement of Science

**REFEREED PUBLICATIONS**

1. Garcia, R. V., I. G. Fabian and C. R. Mechoso, 1974: Stability of a jet stream with density stratification. *Boletin de la Facultad de Ingenieria*, University of Uruguay, **13**, 3-50.
2. Mechoso, C. R., 1974: Numerical treatment of water-hammer in bifurcating pipelines. *Boletin de la Facultad de Ingenieria*, University of Uruguay, **13**, 51-67.
3. Mechoso, C. R., 1980: Baroclinic instability of flows along sloping boundaries.  *J. Atmos. Sci*., **37**, 1393-1399.
4. Mechoso, C. R., 1980: The atmospheric circulation around Antarctica: Linear stability and finite-amplitude interactions with migrating cyclones. *J. Atmos. Sci*., **37**, 2209-2233.
5. Mechoso, C. R., and D. M. Sinton, 1981: Instability of baroclinic flows with horizontal shear along topography. *J. Phys. Oceanogr*., **11**, 813-821.
6. Mechoso, C. R., 1981: Topographic influences on the general circulation of the Southern Hemisphere: A numerical experiment. *Mon. Wea. Rev*., **109**, 2131-2139.
7. Mechoso, C. R., and D. L. Hartmann, 1982: An observational study of traveling planetary waves in the Southern Hemisphere. *J. Atmos. Sci*., **39**, 1921-1935.
8. Mellor, G., C. R. Mechoso and E. Keto, 1982: A diagnostic calculation of the general circulation of the Atlantic Ocean. *Deep Sea Research*, **29**, 1171-1192.
9. Mechoso, C. R., M. J. Suarez, K. Yamazaki, J. A. Spahr and A. Arakawa, 1982: A study of the sensitivity of numerical forecasts to an upper boundary in the lower stratosphere. *Mon. Wea. Rev*., **110**, 1984-1993.
10. Mechoso, C. R., and D. M. Sinton, 1983: On the energy analysis of the two-layer frontal model. *J. Atmos. Sci*., **40**, 2069-2074.
11. Hartmann, D. L., C. R. Mechoso and K. Yamazaki, 1984: Observations of wave-mean flow interaction in the Southern Hemisphere. *J. Atmos. Sci*., **41**, 351-362.
12. Sinton, D. M., and C. R. Mechoso, 1984: Nonlinear evolution of frontal waves. *J. Atmos. Sci*., **41**, 3501-3517.
13. Mechoso, C. R., K. Yamazai, A. Kitoh and A. Arakawa, 1985: Numerical forecasts of stratospheric warming events during the winter of 1979. *Mon*. *Wea. Rev*., **113**, 1015-1029.
14. Yamazaki, K., and C. R. Mechoso, 1985: Observations of the final warming in the stratosphere of the Southern Hemisphere during 1979. *J. Atmos. Sci.*, **42**, 1198-1205.
15. Mechoso, C. R., D. L. Hartmann and J. D. Farrara, 1985: Climatology and interannual variability of wave, mean-flow interaction in the Southern Hemisphere. *J. Atmos. Sci*., **42**, 2189-2206.
16. Mechoso, C. R., M. J. Suarez, K. Yamazaki, A. Kitoh and A. Arakawa, 1986: Numerical forecasts of tropospheric and stratospheric events during the winter of 1979: Sensitivity to the model's horizontal resolution and vertical extent. R. Benzi, B. Saltzman and A. C. Wiin-Niesen, Eds., Anomalous Atmospheric Flows and Blocking, Academic Press, *Adv. Geophys*., **29**, 459 pp, 375-413.
17. Farrara, J. D., and C. R. Mechoso, 1986: An observational study of the final warming in the Southern Hemisphere stratosphere. *Geophys. Res. Lett.*, **13**, 1232-1235.
18. Mechoso, C. R., and A. Arakawa, 1987: Sensitivity of stratospheric forecasts to tropospheric forecasts. Short and Medium-Range Numerical Weather Prediction. Collection of Papers Presented at the WMO/IUGG NWP Symposium, Tokyo, 4-8 August 1986, 387-395.
19. Mechoso, C. R., A. Kitoh, S. Moorthi and A. Arakawa, 1987: Numerical simulations of the atmospheric response to a sea surface temperature anomaly over the equatorial eastern Pacific Ocean. *Mon. Wea. Rev*., **115**, 2936-2956.
20. Horel, J. D., and C. R. Mechoso, 1988: Observed and simulated intraseasonal variability of the wintertime planetary circulation. *J. Climate*, **1**, 582-599.
21. Mechoso, C. R., and S. W. Lyons, 1988: On the atmospheric response to SST anomalies associated with the Atlantic warm event during 1984. *J. Climate*, **1**, 422-428.
22. Mechoso, C. R., A. O'Neill, V. D. Pope and J. D. Farrara, 1988: A study of the stratospheric final warming of 1982 in the Southern Hemisphere. *Quart. J. R. Meteor. Soc*., **114**, 1365-1384.
23. Farrara, J. D., M. Ghil, C. R. Mechoso and K. C. Mo, 1989: Empirical orthogonal functions and multiple flow regimes in the Southern Hemisphere winter.  *J. Atmos. Sci*., **46**, 3219-3223.
24. Mechoso, C. R., S. W. Lyons and J. A. Spahr, 1990: The impact of sea surface temperature anomalies on the rainfall over northeast Brazil. *J. Climate*, **3**, 812-826.
25. Mechoso, C. R., 1990: The final warming of the stratosphere. *Dynamics, Transport and Photochemistry of the Middle Atmosphere of the Southern Hemisphere,* A. O'Neill, Editor, Kluwer Academic Publishers, P.O. Box 17, 3300 AA Dordrecht, The Netherlands, 55-69.
26. Manney, G. L., J. D. Farrara and C. R. Mechoso, 1991: The behavior of wave 2 in the southern hemisphere stratosphere during late winter and early spring. *J. Atmos. Sci*., **48**, 976-998.
27. Mechoso, C. R., J. D. Farrara and M. Ghil, 1991: Intraseasonal variability of the winter circulation in the Southern Hemisphere atmosphere. *J. Atmos*. *Sci*., **48**, 1387-1404.
28. Hines, K. M., and C. R. Mechoso, 1991: Frontogenesis processes in the middle and upper troposphere. *Mon. Wea. Rev*., **119**, 1225-1241.
29. Manney, G. L., C. R. Mechoso, L. S. Elson and J. D. Farrara, 1991: Planetary-scale waves in the southern hemisphere winter and early spring stratosphere: Stability analysis. *J. Atmos. Sci*., **48**, 2509-2523.
30. Mechoso, C. R., C. -C. Ma, J. D. Farrara, J. A. Spahr and R. W. Moore, 1991: Distribution of a climate model across high-speed networks. *Supercomputing* *'91*, Albuquerque, New of a climate model across high-speed networks. *Supercomputing* *'91*, Albuquerque, New Mexico, IEEE Computer Society, 253-260.
31. Neelin, J. D., M. Latif, M. A. F. Allaart, M. A. Cane, U. Cubasch, W. L. Gates, P. R. Gent, M. Ghil, C. Gordon, N. C. Lau, C. R. Mechoso, G. A. Meehl, J. M. Oberhuber, S. G. H. Philander, P. S. Schopf, K. R. Sperber, T. Tokioka, J. Tribbia and S. E. Zebiak, 1992: Tropical air-sea interaction in general circulation models. *Climate Dynamics,* **7**, 73-104.
32. Ghil, M., and C. R. Mechoso, 1992: Data assimilation and predictability studies for the coupled ocean–atmosphere system. *Oceanography*, **5**, 19–24.
33. Farrara, J. D., M. Fisher, C. R. Mechoso and A. O'Neill, 1992: Planetary-scale disturbances in the southern stratosphere during early winter. *J. Atmos. Sci.*, **49**, 1757–1775.
34. Mechoso, C. R., and G. Perez-Iribarren, 1992: Streamflow in southeastern South America and the Southern Oscillation. *J. Climate,* **5**, 1535–1539.
35. Mechoso, C. R., C.-C. Ma, J. D. Farrara, J. A. Spahr, R. W. Moore, W. P. Dannevik, M. F. Wehner, P. Eltgroth and A. A. Mirin, 1992: Distributing a climate model across gigabit networks. *First IEEE International Symp. High Performance Distributed Computing* (HPDC-1), Syracuse, New York, IEEE Computer Society Press, 16-25.
36. Hines, K. M., and C. R. Mechoso, 1992: Influence of surface drag on the evolution of fronts. *Mon. Wea. Rev.*, **121**, 1152–1175.
37. Mechoso, C. R., C. -C. Ma, J. D. Farrara, J. A. Spahr and R. W. Moore, 1992: Parallelization and distribution of a coupled atmosphere-ocean general circulation model. *Mon. Wea. Rev.* **121**, 2062–2076.
38. Arakawa, A., C. R. Mechoso and C. S. Konor, 1993: An isentropic vertical coordinate model: Design and application to atmospheric frontogenesis studies. *Meteor. Atmos. Phys.,* **50**, 31–45
39. Wehner, M. F., J. J. Ambrosiano, J. C. Brown, W. P. Dannevick, P. G. Elgroth, A. A. Mirin, J. D. Farrara, C. -C. Ma, C. R. Mechoso and J. A. Spahr, 1993: Toward a high performance distributed memory climate model. *Second IEEE International Symp. High Performance Distributed Computing* (HPDC-2), Spokane, Washington, IEEE Computer Society Press, 102-113.
40. Kar, S. K., R. P. Turco, C. R. Mechoso and A. Arakawa, 1994: A locally one-dimensional semi-implicit scheme for global grid-point shallow-water models. *Mon. Wea. Rev.*, **122**, 205-222.
41. Manney, G. L., J. D. Farrara and C. R. Mechoso, 1994: Simulations of the February 1979 sudden warming: Model comparisons and three-dimensional evolution. *Mon. Wea. Rev.*, **122**, 1115-1140.
42. Ose, T., C. R. Mechoso and D. Halpern, 1994: A comparison between general circulation model simulations using two sea surface temperature datasets for January 1979. *J. Climate*, **7**, 498-505.
43. Pisciottano, G., A. Díaz, G. Cazes and C. R. Mechoso, 1994: El Niño-Southern Oscillation impact on rainfall in Uruguay. *J. Climate*, **7**, 1286-1302.
44. Ma, C. -C., C. R. Mechoso, A. Arakawa and J. D. Farrara, 1994: Sensitivity of a coupled ocean-atmosphere model to physical parameterizations. *J. Climate*, **7**, 1883-1896.
45. Mechoso, C. R., J. D. Farrara and J. A. Spahr, 1994: Running a climate model in a heterogeneous computer distributed environment. *Third IEEE International Symp. High Performance Distributed Computing (HPDC-3)*, San Francisco, California, IEEE Computer Society Press, 79-84.
46. Mesrobian E., R. Muntz, J. R. Santos, E. C. Shek, C. R. Mechoso, J. D. Farrara and P. Stolorz, 1994: Extracting spatio-temporal patterns from geoscience datasets. *IEEE Workshop on Machine Vision*. Seattle, Washington, IEEE Society Press, 92-103.
47. Mesrobian, E., R. Muntz, E. Shek, C.R. Mechoso, J. Farrara, J. Spahr, and P. Stolorz, 1994: Real Time Data Mining, Management, and Visualization of GCM Output. Supercomputing ’94, IEEE Computer Society, 81-87.
48. Halpern, D., Y. Chao, C. -C. Ma and C. R. Mechoso, 1995: Comparison of tropical Pacific temperature and current simulations with two vertical mixing schemes embedded in an ocean general circulation model and reference to observations. *J. Geophys. Res.,* **100**, 2515-2522.
49. Mechoso, C. R., A. W. Robertson, N. Barth, M. K. Davey, P. Delecluse, P. R. Gent, S. Ineson, B. Kirtman, M. Latif, H. Le Treut, T. Nagai, J. D. Neelin, S. G. H. Philander, J. Polcher, P. S. Schopf, T. Stockdale, M. J. Suarez, L. Terray, O. Thual and J. J. Tribbia, 1995: The seasonal cycle over the Tropical Pacific in General Circulation Models. *Mon. Wea. Rev*., **123**, 2825-2838.
50. Mechoso, C. R., J. D. Farrara and J. A. Spahr, 1995: Heterogeneous computing for climate research. *CRAY Channels*, **17**, No. 2, 8-13.
51. Robertson, A. W., C. -C. Ma, C. R. Mechoso and M. Ghil, 1995: Simulation of the Tropical-Pacific climate with a coupled ocean-atmosphere general circulation model. Part I: The seasonal cycle. *J. Climate*, **8**, 1178-1198.
52. Robertson, A. W., C. -C. Ma, M. Ghil and C. R. Mechoso, 1995: Simulation of the Tropical-Pacific climate with a coupled ocean-atmosphere general circulation model. Part II: Interannual Variability. *J. Climate*, **8**, 1199-1216.
53. Mechoso, C. R., 1995: High performance computing and networking for climate research. *High Performance Computing and Networking, Lecture Notes in Computer Science*, **919**, B. Hertberger and G. Serazzi, Editors, Springer, 142-147.
54. Trounday, B., L. Perthuis, S. Strebelle, J. D. Farrara and C. R. Mechoso, 1995: Dispersion properties of the flow in the southern stratosphere during winter and spring. *J. Geophys. Res.*, **100**, 13,901-13,917.
55. Quintanar, A. I., and C. R. Mechoso, 1995: Quasi-stationary waves in the Southern Hemisphere. Part I: Observational data. *J. Climate*, **8**, 2659-2672.
56. Quintanar, A. I., and C. R. Mechoso, 1995: Quasi-stationary waves in the Southern Hemisphere. Part II: Generation mechanisms. *J. Climate*, **8**, 2673-2690.
57. Wehner, M. F., A. A. Mirin, P. G. Elgroth, W. P. Dannevik, C. R. Mechoso, J. D. Farrara and J. A. Spahr, 1995: Performance of a distributed memory finite difference atmospheric general circulation model. *Parallel Computing*, **21**, 1655-1675.
58. Vial, F., A. Babiano, B. Brioit, C. Basdevant, B. Legras, R. Sadourny, H. Ovarlez, J. Ovarlez, H. Teitelbaum, D. Cariolle, F. Lefèvre, P. Simon, F. Valero, C. R. Mechoso, J. Farrara, H. Kelder, C. Camy-Peyret, T. Hart and M. E. McIntyre, 1995: STRATEOLE: A project to study Antarctic polar vortex dynamics and its impact on ozone chemistry. *Physics and Chemistry of the Earth,* **20**, 83-96.
59. Mechoso, C. R., 1996: A general circulation model of the atmosphere-ocean system: Numerical simulations in the environmental and earth sciences. *Proceedings of the Second UNAM-CRAY Supercomputing Conference,* F. Garcia-Garcia, G. Cisneros, A. Fernandez-Eguiarte and R. Alvarez, Editors, Cambridge University Press, 3-15.
60. Ma, C. -C., C. R. Mechoso, A. W. Robertson and A. Arakawa, 1996: Peruvian stratus clouds and the tropical Pacific circulation - a coupled ocean-atmosphere GCM study. *J. Climate*, **9,** 1635-1645.
61. Mesrobian E., R. Muntz, E. Shek, S. Nittel, M. La Rouche, M. Kriguer, C. R. Mechoso and J. Farrara, 1996: Mining geophysical data for knowledge. *Intelligent Systems and Applications*, **11**, 34-44.
62. Diaz, A. F., C. D. Studzinski and C. R. Mechoso, 1997: Relationships between precipitation anomalies in Uruguay and southern Brazil and sea surface temperature in the Pacific and Atlantic oceans. *J. Climate*, **11**, 251-271.
63. Robertson, A. W., and C. R. Mechoso, 1998: Interannual and decadal cycles in river flows of southeastern South America. *J. Climate*, **11**, 2570-2581.
64. Genta, J. L., G. Perez-Iribarren and C. R. Mechoso, 1998: A recent increasing trend in the streamflow of rivers in Southeastern South America. *J. Climate*, **11**, 2858-2862.
65. Mechoso, C. R., L. A. Drummond, J. D. Farrara and J. A. Spahr, 1998: The UCLA AGCM in High Performance Computing Environments. *Supercomputing* *'98*, Orlando, Florida, IEEE Computer Society.
66. Kim, Y. -J., J. D. Farrara and C. R. Mechoso, 1998: Sensitivity of AGCM simulations to modifications in the ozone distribution and refinements in selected physical parameterizations*. J. Meteor. Soc., Japan*, **76**, 695-709.
67. Govindasamy, B., M. F. Wehner, C. R. Mechoso and P. Duffy, 1999: The Influence of a Land Surface Scheme on Simulated Climate by LLNL/UCLA AGCM. *Global and Planetary Change*, **20**, 67-86.
68. Yu, J. -Y., and C. R. Mechoso, 1999: A discussion on the errors in the surface heat fluxes simulated by a coupled GCM. *J. Climate*, **12**, 416-426.
69. Yu, J. -Y., and C. R. Mechoso, 1999: Links between annual variations of Peruvian stratus clouds and of SST in the eastern equatorial Pacific. *J. Climate*, **23**, 305-23,318.
70. Yih, H. and C.R. Mechoso, 1999: Characteristics of southern ocean sea-ice distribution modeled using cavitating fluid rheology and climatological atmospheric data. *J. Korean Soc.* *Oceanography*, **34**, 59-72.
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**INVITED PRESENTATIONS**

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El Niño - Southern Oscillation: Theory and modelling. 19 November 1986, Los Angeles Chapter of the American Meteorological Society, Los Angeles, California.

Experiments in medium and long-range atmospheric predictability. 3 June 1987, NASA Goddard Laboratory for Atmospheres/University of Maryland Atmospheric Sciences Cooperative Visitors Program.

The dynamical aspects of ozone problem. 30 November - 4 December 1987, II Interamerican Congress of Meteorology, Buenos Aires, Argentina,

The final warming in the stratosphere. 21 June 1988, NASA GLA/University of Maryland Summer Visiting Scientist Seminar Series, Greenbelt, Maryland.

The impact of El Niño on the atmospheric circulation. 23 June 1988, NASA Summer Institute on Atmospheric Sciences, Greenbelt, Maryland.

Dynamical aspects of the Antarctic ozone hole phenomenon. 27 October 1988, University of Missouri-Columbia.

Parallel processing applied to a coupled ocean-atmosphere system (with J. D. Farrara, C.-C. Ma and J. A. Spahr). 28 February 1991, presented by J. D. Farrara and J. A. Spahr at the Eighth SCD User Conference - Performance Computing. NCAR, Boulder, Colorado,.

A scientific application of high-speed networks. 11 June 1991, Internet Activities Board, San Diego Supercomputer Center, La Jolla, California.

Seasonal cycle simulations with a coupled atmosphere-ocean model. 27 June 1991, JASON Summer Study Group, CHAMMP Briefings, MITRE, La Jolla, California.

Sea surface temperature anomalies and climate variability. 13 August 1991, IUGG, Vienna, Austria.

Nonlinear processes in the stratosphere. 15 November 1991, Institute for Nonlinear Science, University of California San Diego.

Computer models of climate: Design and Optimization. 29 January 1992, Scientific computing/computational mathematics colloquium, Stanford University, Stanford, California.

Computer models of climate: Design and Optimization. 19 February 1992, Interdisciplinary parallel computing seminar, University of California Berkeley.

Computer models of climate: Design and applications to global change research. Global Change Seminar Series. California Institute of Technology, Pasadena, California, 14 April 1992.

Distributing a climate model across gigabit networks. International Symposium High Performance Distributed Computing (HPDC-1). Syracuse, New York, 9 September 1992.

Observations of wave-mean flow interaction in the Southern Hemisphere stratosphere. Geophysical Fluid Dynamics Laboratory, NOAA/Princeton University, Princeton, New Jersey, 19 November 1992.

What improvements in ocean-atmosphere-land models, convection, mixing, and in particular the processes that determine the coupling of the atmosphere and ocean are needed for seasonal to interannual predictions? NRC GOALS Conference/Workshop, Honolulu, Hawaii, 1-3 March 1993.

Coupled Atmosphere-Ocean Models. University of Tsukuba, Tsukuba, Japan, 22 November 1994.

The STRATEOLE Project. Meteorological Research Institute, Tsukuba, Japan, 21 November 1994.

Modeling of the global atmosphere at UCLA & The UCLA Earth System Model. Laboratoire de Météorologie Dynamique, Paris, France, 5-17 October 1995.

The UCLA Earth System Model. Centre for Global Atmospheric Modeling. University of Reading, Reading, England, 18 October 1995.

Modeling the Tropical Pacific Climate. National Center for Atmospheric Research. Boulder, Colorado, 31 October 1995.

Modeling of the Eastern Pacific Climate. JPL Ocean Science Seminar, NASA/JPL, Pasadena, California, 5 February 1996.

Challenges in modeling the coupled atmosphere-ocean system. International Symposium on Climate and Environment Changes, Beijing, People's Republic of China, 7-9 August 1996.

Relationships between climate anomalies in the oceans and in precipitation over the Americas. The Society for the Advancement of Chicanos and Native Americans in Science (SACNAS), Los Angeles, California, October 1996.

Dynamical processes in the stratosphere. Department of Atmospheric Sciences, Yonsei University, Seoul, Korea, 31 October 1996.

Challenges in modeling the coupled atmosphere-ocean system. Workshop on Technology for Climate Change Prediction, Yonsei University, Global Environment Laboratory/G7 Project, Seoul, Korea, 1 November 1996.

Dynamical processes on the breakdown of the wintertime stratospheric vortex. UCLA Institute of Geophysics and Planetary Physics, Los Angeles, California, 21 January 1997.

Progress in global modeling at UCLA. CHAMMP Science Team Meeting, San Antonio, Texas, 3-5 March, 1997.

Challenges and MPP/HPC in modeling the coupled atmosphere-ocean system. Workshop on Technology for Climate Change Prediction, Yonsei University, Global Environment Laboratory/G7 Project, Seoul, Korea, 14 October 1997.

ENSO, its impacts on South American climate, and the CLIVAR component of the World Climate Research Programme. National Academy of Engineering, Montevideo, Uruguay, 12 December 1997.

American Monsoon Systems. CIMA/Department of Atmospheric Sciences, University of Buenos Aires, Argentina, 16 December 1997.

The CLIVAR program on American Monsoon Systems (VAMOS). Department of Geophysics, University of Chile, Santiago, Chile, 18 December 1997.

Atmosphere-ocean interactions in the tropical Pacific and Atlantic. Geophysical Fluid Dynamics Laboratory. NOAA/Princeton University, Princeton, New Jersey, 28 May 1998.

Variability of American monsoon systems: An area of international collaboration. IAI Science Forum: Global Change in the Americas, Arlington, Virginia, 3 June 1998.

Critical issues in modeling ENSO with a CGCM. DOE Lawrence, Livermore National Laboratory (LLNL), Livermore, California, 16 July 1998.

ENSO simulations and predictions with a coupled atmosphere-ocean GCM. LBNL/NERSC, Berkeley, California, 17 July 1998.

Estudios de variabilidad climática en las Américas bajo el programa mundial de investigación del clima. Taller Sobre El Niño y Sus Impactos En El Mercosur; Respuestas Nacionales, e Internacionales y Tercer Foro Regional De Perspectiva Climática Para El Sudeste De Sudamerica, Buenos Aires, Argentina, 26 – 28 August 1998.

The American Monsoon Systems. Workshop on Technology for Climate Change Prediction, Yonsei University, Global Environment Laboratory Workshop/G7 Project, Seoul, Korea, 1 October 1998.

International workshop on Next Generation Climate Models in the Advanced Computing Facilities. East-West Center, University of Hawaii, Honolulu, 1-3 March, 1999.

Design and implementation of an Earth System Model. Department of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan, Republic of China, 21 June 1999.

The American Monsoon Systems. Central Weather Bureau, Taipei, Taiwan, Republic of China, 22 June 1999.

Atmosphere-Ocean modeling activities at UCLA. Institute of Atmospheric Physics, National Central University, Taipei, Taiwan, Republic of China, 23 June 1999.

Design and implementation of an Earth System Model. National Center for High-Performance Computing, Hsuichi, Taiwan, Republic of China, 24 June 1999.

The ENSO cycle: Simulation and dynamics. NASA/Goddard Institute for Space Studies (GISS), Columbia University, New York, 24 September 1999.

AGCM simulations and experimental two-tier predictions for El Niño winter 1997-98. Workshop on Technology for Climate Change Prediction, Yonsei University, Global Environment Laboratory Workshop/G7 Project, Seoul, Korea, 27 October 1999.

Successes and challenges in the modeling of the coupled atmosphere-ocean system. Fall 1999 Conference of the Korean Meteorological Society, 28 October 1999, Seoul, Korea.

El Niño/Oscilación Sur: Simulación con un modelo de circulación general y dinámica del fenómeno. Universidad Complutense de Madrid, Spain, 5 September 2002.

Una nueva interpretación de la teleconexiones entre ENSO y Sud América. Universidad Complutense de Madrid, Dept. Fisica de la Tierra. Madrid, Spain, 23 June 2004.

Modelación climática en UCLA. Universidad de Salamanca, Dept. Fisica, Salamanca. Spain, 28 June 2004.

The American Monsoon Systems. Third WMO International Workshop on Monsoon (IWM-III), Hangzhou, China, 2-6 November 2004.

Modeling of the Southeastern Pacific climate: Progress and challenges. National Center for Environmental Predictions (NCEP), 20 January 2006.

VOCALS: A program for studies of the Southeastern Pacific climate. Geophysical Fluid Dynamics Laboratory (GFDL), NOAA/Princeton University, Princeton, New Jersey, 27 March 2006.

What can be learned from sensitivity studies with GCMs? CERFACS, Toulouse, France, 6 November 2006.

The VAMOS Ocean-Clouds, Atmosphere-Land Studies Program, 2007, University of Reading, England.

Links between remote climates. Climate in Spain: Past, Present and Future – a CLIVAR-Spain Workshop. Madrid, Spain, 11-13 February 2009.

Little weather…lots of clouds. Dept. Earth and Space Sciences, U. California Irvine. 25 February 2009, Irvine, California.

Clouds, Upwelling, and Aerosol in the Southeastern Pacific, JPL Science Visitors and Colloquium Program, 10 August 2009, Pasadena, California.

Processes that determine the SST in the Southeastern Pacific, 23 November 2009, University of Hamburg, Hamburg, Germany.

A Regional Climate with Global Impacts. WCRP Open Science Conference, Denver, CO., 2011.

Direct and indirect effects of land surface processes on climate, 94th Annual Meeting of the *Amer. Metor. Soc.*, Atlanta, Georgia, 2-6 February 2014.

The Northern Monsoons and the Southern Subtropical Anticyclones. European Geosciences Union General Assembly 2014. 27 April-2 May 2014,Vienna, Austria.

**INVITED LECTURES**

Atmospheric forcing and modeling. Seminar on the Equatorial Pacific Ocean. University of Southern California, Los Angeles, California, 14 February 1992.

Stratospheric Dynamics. Earth System Science. University of California Santa Barbara, Santa Barbara, California, 22 April 1992.

Elementos de Dinámica de Fluidos Geofísicos, Lecture Course (30-hour), Universidad Complutense de Madrid,

PAPERS PRESENTED AT MEETINGS

1. Stability of the atmospheric circulation around Antarctica. IAGA/IAMAP Assembly, 21-28 August 1977, Seattle, Washington.

2. July simulation by the UCLA general circulation model (with M. J. Suarez and A. Arakawa). Fourth Conference on Numerical Weather Prediction of the Amer. Meteor. Soc., 29 October - 1 November 1979, Silver Spring, Maryland.

3. Finite amplitude effects of migrating cyclones on the atmospheric circulation around Antarctica. Symposium on High Latitude Climate Systems of the Amer. Meteor. Soc., 6-8 November 1979, Boston, Massachusetts.

1. Resonant barotropic and baroclinic flows over periodically spaced large-scale mountains (with D. M. Sinton and A. Arakawa). Third Conference on Atmospheric and Oceanic Waves and Stability of the Amer. Meteor. Soc., 19-22 January 1981, San Diego, California.
2. Traveling planetary waves in the troposphere and the stratosphere of the Southern Hemisphere during FGGE (with D. L. Hartmann and S.-H. Chu). Third Conference on the Meteorology of the Upper Atmosphere of the Amer. Meteor. Soc., 20-22 January 1981, San Diego, California.
3. An observational study of transient planetary waves in the Southern Hemisphere (with D. L. Hartmann). IAMAP Symposium on the Dynamics of the General circulation of the Atmosphere I: Emphasis on the Mid-Latitude Troposphere, 3-7 August 1981, Reading, England.

7. Winter simulation of standing and traveling waves with the UCLA general circulation model (with M. J. Suarez, K. Yamazaki, J. Spahr and A. Arakawa). Fifth Conference on Numerical Weather Prediction of the Amer. Meteor. Soc., 2-6 November 1981, Monterey, California, 290-297.

8. Development of an advanced finite-difference atmospheric general circulation model, Part II: Coupling to an oceanic GCM and code optimization. CHAMMP Science Team Meeting, 16–18 March 1982, Las Vegas, Nevada.

9. Linear instability and finite amplitude evolution of frontal waves (with D. M. Sinton and A. Arakawa). Fourth Conference on Atmospheric and Oceanic Waves and Stability of the Amer. Meteor. Soc., 22-25 March 1983, Boston, Massachusetts.

10. Observations of wave, mean-flow interactions in the Southern Hemisphere stratosphere. Fourth Conference on the Meteorology of the Upper Atmosphere of the Amer. Meteor. Soc., 22-25 March 1983, Boston, Massachusetts.

11. Experiments in medium range forecasting: Sensitivity to model resolution and vertical extent (with M. J. Suarez, K. Yamazaki, J. Spahr and A. Arakawa). Presented by K. Yamazaki at the Sixth Conference on Numerical Weather Prediction of the Amer. Meteor. Soc, 6-9 June 1983, Omaha, Nebraska.

12. Observations of traveling planetary waves and of wave-mean flow interactions in the Southern Hemisphere (with D. L. Hartmann and K. Yamazaki). First International Conference on Southern Hemisphere Meteorology, 31 July – 6 August 1983, Sao Jose dos Campos, Brazil.

13. Observations of wave, mean flow interaction in the Southern Hemisphere (with D. L. Hartmann and K. Yamazaki). Presented by D. L. Hartmann at the Joint IAMAP/IAGA Symposium on Middle Atmosphere Sciences, XVIII General Assembly of the IUGG, August 15-l7 l983, Hamburg, F.R.G.

14. The behavior and predictability of planetary waves during the winter of 1979 (with M. J. Suarez, K. Yamazaki, J. A. Spahr and A. Arakawa). IAMAP-WMO Symposium on Maintenance of the Quasi-Stationary Components of the Flow in the Atmosphere and in Atmospheric Models, 29 August - 2 September 1983, Paris, France.

15. Climatology and interannual variability of wave, mean-flow interaction in the Southern Hemisphere (with D. L. Hartmann and J. D. Farrara). Fifth Conference on the Meteorology of the Stratosphere and Mesosphere of the Amer. Meteor. Soc., 23-26 March l985, Boulder, Colorado.

16. Numerical simulations of the atmospheric response to sea-surface temperature anomalies (with A. Kitoh and A. Arakawa). Sixteenth Conference on Hurricanes and Tropical Meteorology of the Amer. Meteor. Soc., 14-17 May 1985, Houston, Texas.

17. Atmospheric response to a sea-surface temperature anomaly over the equatorial eastern Pacific Ocean: A numerical experiment with the UCLA GCM (with A. Kitoh and A. Arakawa). IAMAP/IAPSO Joint Assembly, 5-16 August 1985, Honolulu, Hawaii.

18. Sensitivity of stratospheric forecasts to tropospheric forecasts (with A. Arakawa). Presented by A. Arakawa at the WMO/IUGG International Symposium on Short - and Medium - range Numerical Weather Prediction, August 1986, Tokyo, Japan.

19. Climatology and interannual variability of wave, mean-flow interaction during winter and spring in the Southern Hemisphere (with J. D. Farrara). Presented by J. D. Farrara at the Second International Conference on Southern Hemisphere Meteorology, 1-5 December 1986, Wellington, New Zealand.

20. Climatology and interannual variability of wave, mean-flow interaction during spring in the Southern Hemisphere (with J. D. Farrara). Sixth Conference on the Dynamics and Chemistry of the Middle Atmosphere of the Amer. Meteor. Soc., 9-13 March 1987, Baltimore, Maryland.

21. Sensitivity of stratospheric forecasts to tropospheric forecast (with A. Arakawa). Sixth Conference on the Dynamics and Chemistry of the Middle Atmosphere of the Amer. Meteor. Soc., 9-13 March 1987, Baltimore, Maryland.

22. Numerical simulation of the atmospheric circulation during El Niño winter of 1982-83: Sensitivity to sea surface temperature distributions (with S. Moorthi and A. Arakawa). IUGG, XIX General Assembly, 9 - 22 August 1987, Vancouver, Canada. (Invited)

23. Sensitivity of stratospheric forecasts to tropospheric forecast (with A. Arakawa). IUGG, XIX General Assembly, 9 - 22 August 1987, Vancouver, Canada.

24. Stratospheric final warmings in the northern hemisphere (with A. O'Neill, V. D. Pope and J. D. Farrara). Presented by A. O'Neill at the IUGG, XIX General Assembly, 9-22 August 1987, Vancouver, Canada.

25. A study of the final warming of 1982 in the southern hemisphere (with A. O'Neill, V. D. Pope and J. D. Farrara). IUGG, XIX General Assembly, 9 - 22 August 1987, Vancouver, Canada.

26. Stratospheric final warming in southern and northern hemispheres. II Interamerican Congress of Meteorology, 30 November - 4 December 1987, Buenos Aires, Argentina. **(Invited)**

27. Observed and simulated intraseasonal variability of the wintertime planetary circulation. Presented by J. D. Horel at the Jacob Bjerknes Symposium on Air-Sea Interactions, 31 January - 5 February 1988, Anaheim, California.

28. Interhemispheric comparison of the spring and fall circulations in the middle atmosphere (with J. D. Farrara, A. O'Neill and V. D. Pope). Seventh Conference on the Meteorology of the Middle Atmosphere, 11 - 14 April 1989, San Francisco, California.

29. Planetary-scale disturbances in the winter stratosphere of the Southern Hemisphere (with J. D. Farrara and M. Ghil). Presented by J. D. Farrara at the Seventh Conference on the Meteorology of the Middle Atmosphere, 11-14 April 1989, San Francisco, California.

30. Interhemispheric comparison of the spring circulations in the middle atmosphere (with J. D. Farrara, A. O'Neill and V. D. Pope). Presented by A. O'Neill at the IAMAP 89, Fifth Scientific Assembly, 31 July - 12 August 1989, Reading, England. **(Invited)**

31. Simulations of the final warming in the Southern Hemisphere (with A. O'Neill and V. D. Pope). Presented by V. D. Pope at the Fifth Scientific Assembly, 31 July - 12 August 1989, Reading, England.

32. Planetary-scale disturbances in the stratosphere of the Southern Hemisphere during early winter (with J. D. Farrara and M. Fisher). Presented by M. Fisher at the Fifth Scientific Assembly, 31 July - 12 August 1989, Reading, England.

33. Simulations of the climatological flow in high latitudes of the Southern Hemisphere. Presented by M. Fisher at the Fifth Scientific Assembly, 31 July - 12 August 1989, Reading, England.

34. Preliminary coupling experiments of an Atmospheric and oceanic general circulation model (with M. Fisher, M. Ghil, and J. A. Spahr). Presented by M. Ghil at the International Conference on Modelling of Global Climate Change and Variability, 11-15 September 1989, Hamburg, Germany.

35. Interhemispheric comparison of the fall and spring circulations in the middle atmosphere (with A. O'Neill, J. D. Farrara, V. D. Pope and D. Pan). Third International Conference on Southern Hemisphere Meteorology and Oceanography, 13-17 November 1989, Buenos Aires, Argentina. (Invited)

36. The impact of sea surface temperature anomalies on the rainfall over northeast Brazil (with S. W. Lyons and J. A. Spahr). Presented by S. W. Lyons at the Third International Conference on Southern Hemisphere Meteorology and Oceanography, 13-17 November 1989, Buenos Aires, Argentina.

37. Troposphere-stratosphere connections during early winter in the Southern Hemisphere (with J. D. Farrara and M. Fisher). Presented by J. D. Farrara at the Third International Conference on Southern Hemisphere Meteorology and Oceanography, 13-17 November 1989, Buenos Aires, Argentina.

38. Generation mechanisms of quasi-stationary waves in the Southern Hemisphere (with A. I. Quintanar). Presented by A. I. Quintanar at the Third International Conference on Southern Hemisphere Meteorology and Oceanography, 13-17 November 1989, Buenos Aires, Argentina.

39. Coupling experiments of an atmospheric and an oceanic GCM (with M. Fisher, M. Ghil, D. Halpern and J. A. Spahr). International TOGA Scientific Conference, 16 - 20 July 1990, Honolulu, Hawaii.

40. Coupled ocean-atmosphere modeling and stratospheric dynamics. Institutional Collaborative Research Program (INCOR Global Atmosphere/Ocean Modeling), 22 October 1990, UCLA, Los Angeles, California.

41. Interhemispheric differences in the seasonal evolution of the polar middle atmosphere. IUGG XX General Assembly, 21 August 1991, Vienna, Austria.

42. Intraseasonal variability of the winter circulation in the southern hemisphere (with J. D. Farrara and M. Ghil). Presented by J. D. Farrara at the IUGG XX General Assembly, 11-24 August 1991, Vienna, Austria.

43. Simulations of stratospheric final warmings in the southern hemisphere (with J. D. Farrara and G. L. Manney). Presented by J. D. Farrara at the IUGG XX General Assembly, 11-24 August 1991, Vienna, Austria.

44. Simulations of interannual variability with a coupled atmosphere–ocean general circulation model (with C.-C. Ma, J. D. Farrara and J. A. Spahr). Fifth Conference on Climate Variations, 14 – 18 October 1991, Denver, Colorado.

45. Comparison of vertical mixing schemes for ocean general circulation model (with C. -C. Ma, Y. Chao and W. M. Weibel). Presented by C. -C. Ma at the Fifth Conference on Climate Variations of the American Meteorological Society, 14 – 18 October 1991, Denver, Colorado.

46. Sensitivity of UCLA general circulation model simulations to different global sea surface temperature distributions (with T. Ose and D. Halpern). Presented by T. Ose at the Fifth Conference on Climate Variations, 14–18 October 1991, Denver, Colorado.

47. Simulations of frontogenesis with sigma and isentropic vertical–coordinate models (with C. K. Konor, K. M. Hines and A. Arakawa). Presented by C. K. Konor at the Ninth Conference on Numerical Weather Prediction, 14–18 October 1991, Denver, Colorado.

48. Simulations of the Tropical-Pacific climate with the UCLA coupled GCM (with A. W. Robertson, C.-C. Ma and M. Ghil). Presented by A. W. Robertson at the Fifteenth Climate Diagnostics Workshop.

49. Simulations of the seasonal cycle with a coupled atmosphere–ocean GCM (with C. -C. Ma, J. Farrara and J. A. Spahr). Sixteenth Annual Climate Diagnostics Workshop, 28 October – 1 November 1991, Lake Arrowhead, California.

50. Sensitivity of UCLA general circulation model simulations to different global sea surface temperature distributions (with T. Ose). Presented by T. Ose at the Sixteenth Annual Climate Diagnostics Workshop, 28 October – 1 November 1991, Lake Arrowhead, California.

51. Comparison of vertical mixing schemes for ocean general circulation model (with C.-C. Ma, Y. Chao, W. M. Weibel and D. Halpern). Presented by C.-C. Ma at the Sixteenth Annual Climate Diagnostics Workshop, 28 October – 1 November 1991, Lake Arrowhead, California.

52. Coupled ocean-atmosphere modeling at UCLA (with D. Neelin and M. Ghil). Presented by D. Neelin at the IUGG 1991 Fall Meeting, 8-13 December 1991, San Francisco, California.

53. PSC microphysics and heterogeneous chemistry along atmospheric trajectories (with K. Drdla, R. P. Turco and J. D. Farrara). Presented by K. Drdla at the IUGG 1991 Fall Meeting, 8–13 December 1991, San Francisco, California.

54. UCLA Modeling Program. INCOR Semiannual Science Meeting, Lawrence Livermore National Laboratory, 29 - 31 January 1992, Livermore, California.

55. Report on the UCLA GCM. Atmospheric Model Intercomparison Project (AMIP), 17 - 21 February 1992, Berkeley, California.

56. Simulations of the intraseasonal variability of the coupled ocean-atmosphere system (with A. W. Robertson and C. -C. Ma). Presented by A. W. Robertson at the Second International Conference on Modelling of Global Climate and Variability, 7–11 September 1992, Hamburg, Germany.

57. Generation mechanisms of planetary waves in the Southern Hemisphere (with A. I. Quintanar). Presented by A. I. Quintanar at the Third Conference on Polar Meteorology and Oceanography, 29 September – 2 October 1992, Portland, Oregon.

58. Modeling the atmosphere with high horizontal resolution in the high latitudes (with S. K. Kar, R. P. Turco and A. Arakawa). Presented by S. K. Kar at the IUGG Fall Meeting, 7-11 December 1992, San Francisco, California.

59. An update on the CASA Gigabit Testbed Project (with C. Scarbnick, C. -C. Ma, J. A. Spahr, J. D. Farrara, R. Moore and G. Hanyzewski). Presented by C. Scarbnick at the Sixth SIAM Conference on Parallel Processing for Scientific Computing, Norfolk, Virginia.

60. Model development for improved simulation of hydrological processes and air-sea interactions (with A. Arakawa). Second Annual CHAMMP Science Team Meeting, 15 - 17 March 1993, Monterey, California.

61. Using Climate Models to Study Global Warming. Annual Meeting of the Southern California Academy of Sciences 4 - 5 June 1993, Long Beach, California.

62. Toward a high performance distributed memory climate model (with M. J. Wehner, J. J. Ambrosiano, J. C. Brown, W. P. Dannevick, P. G. Elgroth, A. A. Mirin, J. D. Farrara, C. -C. Ma and J. A. Spahr). Presented by M. J. Wehner at the *Second International Symp. High Performance Distributed Computing* (HPDC-2), 20 - 23 July 1993, Spokane, Washington.

63. Parallelization of the UCLA Coupled Atmosphere-Ocean GCM. Ocean/Atmosphere Modeling Supercomputing Meeting, 5 October 1993, ONR, Arlington, Virginia.

64. The seasonal cycle in surface heat fluxes over the Tropical-Pacific in a coupled GCM (with A. W. Robertson and C. -C. Ma). Presented by A. W. Robertson at the Fifteenth Climate Diagnostics Workshop, 1-5 November 1993, Denver, Colorado.

65. Interannual variability and the seasonal cycle over the tropical Pacific simulated with a coupled ocean-atmosphere general circulation model (with A. W. Robertson and M. Ghil). Presented by A. W. Robertson at the Fall Meeting of the Amer. Geophys. Union, 6-10 December 1993, San Francisco, California.

66. Development of a sea ice model (with H. Yih and C. Covey). Presented by H. Yih at the Fall Meeting of the American Geophysical Union, 6-10 December 1993, San Francisco, California.

67. Development of an advanced finite-difference atmospheric general circulation model (with A. Arakawa, M. -D. Cheng, J. D. Farrara, Y.-J. Kim, C. Konor and C.-C. Ma). Presented by A. Arakawa at the *Fifth Conference on Global Change Studies* *of the Amer. Meteor. Soc.,* January 1994, Nashville, Tennessee.

68. Further development of the UCLA GCM (with J. -Y. Yu). Presented with J.-Y. Yu at UC INCOR Meeting, 7-8 April 1994, Irvine, California. U. of California, Davis.

69. Further development of the UCLA Atmosphere/Ocean coupled GCM. CHAMMP Science Team Meeting, 25 - 29 April 1994, Albuquerque, New Mexico.

70. Dispersion properties of the flow in the southern stratosphere during winter and spring (with B. Trounday, L. Perthuis, S. Strebelle and J. D. Farrara). Ninth Conference on the Middle Atmosphere of the Amer. Meteor. Soc., 6 - 10 June 1994, Monterey, California.

71. On the interannual variability of planetary waves in the stratosphere during winter and spring (with J. D. Farrara and M. Chen). Presented by J. D. Farrara at the Ninth Conference on the Middle Atmosphere of the Amer. Meteor. Soc., 6 – 10 June 1994, Monterey, California.

72. Evolution of the flow during a major stratospheric warming (with D. Y. Pan and A. Arakawa). Presented by D. Y. Pan at the Ninth Conference on the Middle Atmosphere of the Amer. Meteor. Soc., 6 - 10 June 1994, Monterey, California.

73. Comparison of frotogenesis simulations with isentropic and normalized pressure vertical coordinates (with C. S. Konor and A. Arakawa). Symposium on the Life Cycles of Extratropical Cyclones, 27 June - 1 July 1994, Bergen, Norway.

74. Modelos globales de interacción océano-atmósfera para previsión climática en escala estacional e interannual **(Invited**). Seminario Regional Sobre Investigación y Aplicaciones de la Predicción Climática en los Procesos de Toma de Decisión en el Sudeste de Sud America, 26-28 September 1994, Montevideo, Uruguay.

75. Estado de los conocimentos en materia de predicción climática. Seminario Regional Sobre Investigación y Aplicaciones de la Predicción Climática en los Procesos de Toma de Decisión en el Sudeste de Sud América, 26-28 September 1994, Montevideo, Uruguay.

76. On the simulation of surface heat flux in the Tropical Pacific by the coupled UCLA GCM (with J.-Y. Yu). Presented by J. -Y. Yu at UC INCOR Project for Glocal Climate Change, 27-28 October 1994, Los Alamos, New Mexico.

77. The UCLA coupled atmosphere-ocean GCM simulation of the surface heat flux in the Tropical Pacific (with J. -Y. Yu and C. -C. Ma). Presented by Y. -Y. Yu at the Conference on Weather Analysis and Forecasting, 24-26 November 1994, Taiwan, Republic of China.

78. Effects of physical parameterizations on the performance of a coupled ocean-atmosphere GCM (with C .-C. Ma and A. Arakawa). Presented by C. -C. Ma at the Conference on Weather Analysis and Forecasting, 24-26 November 1994, Taiwan, Republic of China.

79. On the simulation of the seasonal cycle with the UCLA coupled atmosphere-ocean GCM (with J.-Y. Yu). Presented by J. -Y. Yu at the Fall Meeting of the Amer. Geophys. Union, 5-9 December 1994, San Francisco, California.

80. The seasonal cycle in the UCLA AGCM with a 3-phase cloud water prediction scheme (with M. Kóhler and A. Arakawa). Presented by M. Köhler at the Fall Meeting of the American Geophysical Union, 5-9 December 1994, San Francisco, California.

81. On the simulation of surface heat flux with the UCLA coupled GCM (with J.-Y. Yu). Presented by J.-Y. Yu at UC INCOR Meeting, 20-21 April 1995, Davis, California.

82. A General Circulation Model of the Atmosphere-Ocean System. Second UNAM-CRAY Super-computing Conference, 21 - 24 June 1995, Mexico City, Mexico.

83. Modeling of the Eastern Pacific Climate. Seventy-sixth AMS Annual Meeting, 28 January - 2 February 1996, Atlanta, Georgia.

84. Contour advection and semi-advection calculations of quasi-tracer constituents (with A. Mariotti, Y. Chi and B. Legras). Presented by A. Mariotti at XXI General Assembly of the European Geophysical Society, 6-10 May 1996, The Hague, Netherlands.

85. The sensitivity of UCLA GCM's performance to radiation parameterizations (with J. -Y. Yu). Presented by J. -Y. Yu at ARM/CHAMMP/PCMDI Workshop, 6-7 May 1996, Sequim, Washington.

86. Impact of cloud radiation effect on coupled GCM performance (with J.-Y. Yu). Presented by J. -Y. Yu at The First CLC Annual Meeting on Modeling and Prediction of Water Resources in California and the Western U.S., 16-17 May 1996, La Jolla, California.

87. Clouds radiative effects on coupled GCM simulation (with J.-Y. Yu). Presented by J.-Y. Yu at the CGSG/DICE Workshop, 24-27 June 1996, Paris, France.

88. Impact of gravity-wave drag and envelope orography on climate simulated by a General Circulation Model (with Y. -J. Kim and A. Arakawa). Presented by Y. -J. Kim at the Eleventh Conference on Numerical Weather Prediction of the American Meteorological Society, 19-23 August 1996, Norfolk, Virginia.

89. CLIVAR-PACS: Posibilidades de Cooperación entre las Américas. VII Congreso Argentino de Meteorología y VII Congreso Latino Americano e Ibérico de Meteorología, 2 September 1996, Buenos Aires, Argentina.

90. Impact of cloud radiative effect on the simulation of Tropical Pacific climate (with J. -Y. Yu). Presented by J. -Y. Yu at FANGIO Workshop, 12-13 November 1996, Stony Brook, New York.

91. Modeling and prediction of water resources in California and the Western U. S. Presented by D. Cayan at the Fall Meeting of the Amer. Geophys. Union, 8 - 12 December 1996, San Francisco, California.

92. Simulations of the zonal mean flow with the UCLA AGCM: Sensitivity to parameterizations of subgrid scale orographic and radiative effects (with Y. -J. Kim and J. D. Farrara). Presented by J. D. Farrara at the First SPARC General Assembly, 2-6 December 1996, University of Melbourne, Melbourne, Australia.

93. Ice cloud formulation in climate modeling (with M. Köhler and A. Arakawa). Presented by M. Köhler at the Seventh Conference on Climate Variations of the American Meteorological Society, 2-7 February 1997, Long Beach, California.

94. Relationships between the Atlantic climate variability and El Niño Southern Oscillation (with L. Tseng). Presented by L. Tseng at the Seventh Conference on Climate Variations of the American Meteorological Society, 2-7 February 1997, Long Beach, California.

95. On the simulation of the stratosphere with a general circulation model (with J. D. Farrara and Y. -J. Kim). Presented by J. D. Farrara at the Seventh Conference on Climate Variations of the American Meteorological Society, 2-7 February 1997, Long Beach, California.

96. An output management system for an Earth System Model (with Y. Chi, K. Sklower and M. Stonebraker). Presented by Y. Chi at the Thirteenth International Conference on Interactive Information and Processing Systems (IIPS) for Meteorology and Oceanography of the American Meteorological Society, 2-7 February 1997, Long Beach, California.

97. Parallel optimization of an Earth System Model (100 gigaflops and beyond?) (with L. A. Drummond, J. D. Farrara, J. A. Spahr, Y. Chao, D. S. Katz, J. Z. Lou, and P. Wang). Simulation Multiconference ’97, 6-10 April 1997, Atlanta, Georgia.

98. Dispersion properties of the flow in the southern stratosphere during winter and spring (with J. D. Farrara). Fifth International Conference on Southern Hemisphere Meteorology and Oceanography of the Amer. Meteor. Soc., 7 - 11 April 1997, Pretoria, South Africa.

99. Transport processes in the southern polar stratosphere (with A. Mariotti, B. Legras and Y. -C. Chi). Fifth International Conference on Southern Hemisphere Meteorology and Oceanography of the Amer. Meteor. Soc., 7 - 11 April 1997, Pretoria, South Africa.

100. Variations in the stratospheric circulation (with M. -Y. Chen and J. D. Farrara). Fifth International Conference on Southern Hemisphere Meteorology and Oceanography of the Amer. Meteor. Soc., 7-11 April 1997, Pretoria, South Africa.

101. Performance optimization of an atmospheric model in massively parallel computers (with L. A. Drummond, J. D. Farrara and J. Z. Lou). High Performance Computing and Networking '97 (HPCN '97), 28 - 30 April 1997, Vienna, Austria.

102. Simulation of the seasonal cycle and interannual variability in the Pacific and Atlantic oceans (with J. -Y. Yu and L. Tseng). Joint Assemblies of the International Association of Meteorology and Atmospheric Sciences (IAMAS) and International Association for Physical Sciences of the Oceans, 1-9 July 1997, Melbourne, Australia.

103. Studying the mechanisms involved in the decay of ice clouds using a cloud resolving model (with M. Köhler and A. Arakawa). Presented by M. Köhler at the 1997 Joint Assemblies of the International Association of Meteorology and Atmospheric Sciences (IAMAS) and International Association for Physical Sciences of the Oceans, 1-9 July 1997, Melbourne, Australia.

104. Poleward propagation of planetary waves with wavenumber 1 in the southern hemisphere stratosphere (with S. Ushimaru). Presented by S. Ushimaru at the 1997 Joint Assemblies of the International Association of Meteorology and Atmospheric Sciences (IAMAS) and International Association for Physical Sciences of the Oceans, 1-9 July 1997, Melbourne, Australia.

105. Impact of cloud processes on the annual variations of SST in the Tropical Pacific (with J.-Y. Yu). Presented by J. -Y. Yu at the 22nd Annual Climate Diagnostic and Prediction Workshop, 6-10 October 1997, Berkeley, California.

106. Recent development of the UCLA coupled atmosphere-ocean GCM (with J. -Y. Yu). Presented by J.-Y. Yu at The First IRI Climate Modeling and Prediction Workshop, 15-16 October 1997, Palisades, New York.

107. Simulations of Tropical climate and variability with the UCLA coupled atmosphere-ocean GCM (with J.-Y. Yu). Presented by J. -Y. Yu at The 1998 Conference on Mission Earth: Modeling and Simulation of the Earth System, 11-14 January 1998, San Diego, California.

108. Impact of cloud processes on the annual evolution of SST in the Tropical Pacific (with J. -Y. Yu). Presented by J. -Y. Yu at The Ninth Symposium on Global Change Studies. Annual Meeting of the Amer. Meteor. Soc., 11 - 16 January 1998, Phoenix, Arizona.

109. Improvements achieved in a coupled GCM by addressing systematic errors in the eastern equatorial Pacific (with J. -Y. Yu and C. -C. Ma). European Geophysical Society, XXIII General Assembly, 20-24 April 1998, Nice, France.

110. Earth system model: Atmosphere/ocean dynamics and tracers chemistry. Computers in Atmospheric Sciences (CAS) 98 Meeting, 30 June-2 July 1998, Annecy, France.

111. Development of an Earth System Model in high performance computing environments (with L. A. Drummond, J. D. Farrara and J. A. Spahr). Presented by L. A. Drummond at the HPCCP/CAS Workshop 98, 24-26 August 1998, NASA Ames Research Center, Moffet Field, California.

1. Interannual variations in the South American Monsoon and their teleconnections with the North Atlantic Oscillation (with A. W. Robertson and Y. -J. Kim). Presented by A. W. Robertson at the CLIVAR/VAMOS Programme on the American Monsoon Systems.
2. An ensemble of AGCM two-tier predictions and simulations of the circulation anomalies during winter 1997-98 (with J. D. Farrara and A. W. Robertson). Twenty-third Annual Climate Diagnostics and Prediction Workshop, 26-30 October 1998, Miami, Florida.
3. Multivariate structures of the ENSO cycle in the atmosphere and ocean (with J.-Y. Yu and A. Arakawa). Presented by J. -Y. Yu at the Second Hayes Symposium on Seasonal to Interannual Climate Variability, 10–15 January 1999, Dallas, Texas.
4. Revised planetary boundary layer moist processes in the UCLA general circulation model (with J. -L. Li and A. Arakawa). Tenth Symposium on Global Change Studies, 10–15 January 1999, Dallas, Texas.

116. Interannual variations in the South American Monsoon and their teleconnection with the North Atlantic oscillation (with A. W. Robertson and Y. -J. Kim). Tenth Symposium on Global Change Studies, 10–15 January 1999, Dallas, Texas.

117. The CLIVAR/VAMOS programme on the American Monsoon Systems (Invited). Tenth Symposium on Global Change Studies, 10–15 January 1999, Dallas, Texas.

1. Revised planetary boundary layer moist processes in the UCLA general circulation model (with J. -L. Li and A. Arakawa). Tenth Symposium on Global Change Studies, 10-15 January 1999, Dallas, Texas.
2. Interannual variability of the tropical Atlantic climate (with L.-S. Tseng). XXIV General Assembly of the European Geophysical Society, 19-23 April 1999, The Hague, The Netherlands.
3. On the computational requirements of high-resolution climate models (with L. A. Drummond). XXII General Assembly of the IUGG, IAMAS/MW03 Workshop, 29 July 1999, Birmingham, England.
4. Can there be intraseasonal and interannual variations in the middle atmosphere without a conterpart at the lower boundary? (with M. –Y. Chen and J. D. Farrara). XXII General Assembly of the IUGG, IAMAS/MI12 Intercomission Symposium, 30 July 1999, Birmingham, England.
5. Understanding the influence of tropical SST anomalies on precipitation in the western United States (with J. D. Farrara, A. W. Robertson and N. Hall). Presented by J. D. Farrara at the Twenty-fourth Climate Dynamics and Prediction Workshop. 1-5 November 1999, Tucson, Arizona.
6. Evolutions of atmospheric and oceanic anomalies during the ENSO cycle in the tropical and extratropical Pacific (with J. -Y. Yu and T. Liu). Presented by J. -Y. Yu at the Twenty-fourth Climate Dynamics and Prediction Workshop. 1-5 November 1999, Tucson, Arizona.
7. Interannual and interdecadal variability of the South Atlantic convergence zone and its predictability (with A. W. Robertson). Presented by A. W. Robertson at the Twenty-fourth Climate Dynamics and Prediction Workshop. 1-5 November 1999, Tucson, Arizona.
8. A numerical simulation study of the major stratospheric warming and subsequent flow recovery during the winter of 1979 (with J. -H. Jung and C. S. Konor). Presented by J. -H. Jung at the Eleventh Conf. on the Middle Atmosphere of the Amer. Meteor. Soc., Long Beach, California.
9. Oceanic influences on climate variability in extratropical South America (**Invited**). Sixth International Conference on Southern Hemisphere Meteorology and Oceanography of the Amer. Meteor. Soc., 3-7 April 2000, Santiago, Chile.
10. Interannual-to-interdecadal variability of the South Atlantic convergence zone and river flow predictability (with A. W. Robertson). Presented by A. W. Robertson at the Sixth International Conference on Southern Hemisphere Meteorology and Oceanography of the Amer. Meteor. Soc., 3-7 April 2000, Santiago, Chile.
11. Simulation of the tropical Atlantic interannual variability (with L. Tseng). Presented by L. Tseng at the Tenth Conf. on Interaction of the Sea and Atmosphere of the Amer. Meteor. Soc., 29 May - 2 June 2000, Ft. Lauderdale, Florida.
12. An atmosphere-ocean model: Code optimization and application to El Niño. Eighth International Conference on Development and Application of Computer Techniques to Environmental Studies. ENVIROSOFT 2000, 28-30 June 2000, Bilbao, Spain.
13. Yu, J. -Y. and C. R. Mechoso 2000: Interactions between the variability of the Indian Ocean and the Pacific ENSO (with J. -Y. Yu). Presented by J. -Y. Yu at the Western Pacific Geophysics Meeting, 27-30 June, Tokyo, Japan.
14. "Interactions between the variability of the Indian Ocean and the Pacific ENSO" (with J. -Y. Yu). Presented by J. -Y. Yu at Western Pacific Meeting of the AGU, 26-29 June 2000, Tokyo, Japan.
15. Relationship between the North Atlantic Oscillation and river flow regimes of South America (with J. Nogués-Paegle and A. W. Robertson). Presented by J. Nogués-Paegle at the Twenty-Fifth Climate Diagnostics and Prediction Workshop, 23-27 October 2000, Palisades, New York.
16. Interactions Between Indian and Pacific Oceans During ENSO (with J. -Y. Yu). Presented by J. -Y. Yu at the Twenty-fifth Climate Diagnostic and Prediction Workshop. 23-27 October 2000, Palisades, New York.
17. An Indo-Pacific SST teleconnection pattern during ENSO (with J. -Y. Yu). Presented by J. -Y. Yu at the 12th Symposium on Global Change Studies and Climate Variations. 14-19 January 2001, Albuquerque, New Mexico.
18. The South American Monsoon System **(Invited)**. Symposium on Monsoon Systems Around the World of the 8th Scientific Assembly of International Association of Meteorology and Atmospheric Sciences. 9-16 July 2001, Innsbruck, Austria.
19. Interannual and Decadal Variability of the South American Monsoon System (with A.W. Robertson and G. Cazes). Presented by A.W. Robertson at the Climate and Climate Change: Model Development, Verification and Intercomparison Symposium of the 8th Scientific Assembly of International Association of Meteorology and Atmospheric Sciences. 10-18 July 2001, Innsbruck, Austria.
20. Planetary and Gravity Wave Activity in the Equatorial Lower Stratosphere as Seen by Ultra-Long Duration Balloons (with A. Hertzog and F. Vial). Presented by A. Hertzog at the Middle Atmospheric Dynamics Symposium of the 8th Scientific Assembly of International Association of Meteorology and Atmospheric Sciences. 9-16 July 2001, Innsbruck, Austria.
21. On the Sensitivity of Surface Fluxes Simulated by an Atmospheric General Circulation Model to the Parameterization of Cloud Processes (with J. D. Farrara). Climate and Climate Change: Model Development, Verification and Intercomparison Symposium of the 8th Scientific Assembly of International Association of Meteorology and Atmospheric Sciences. 9-16 July 2001, Innsbruck, Austria.
22. Stratospheric Dynamics as Revealed by CNES Superpressure Balloons (with F. Vial, A. Hertzog, Ph. Cocquerez, and C. Basdevant). Presented by F. Vial at the 15th Symposium on European Rocket and Balloon Programmes and Related Research of the European Space Agency (ESA), 28 May – 1 June 2001, Biarritz, France.
23. WCRP/CLIVAR/VAMOS Contributions to the Better Understanding of the South American Monsoon System. 2001 Joint Assemblies of the International Association of the Physical Sciences of the Oceans and International Association for Biological Oceanography, 21-26 October 2001, Mar del Plata, Argentina.
24. Dynamics of the polar stratosphere as seen by constant-level balloons, with A. Hertzog, F. Vial, C. Basdevant, and P. Cocquerez. Presented by A. Hertzog at the EGS XXVII General Assembly, Nice, France, April 2002.
25. Can simple models of ENSO be verified? (**Invited** with J. D. Neelin and J. -Y. Yu). XXIII General Assembly, European Geophysical Society, 22-26 April 2002, Nice, France.
26. Seasonal dependence of teleconnections over South America (with G. Cazes and A. W. Robertson). XXIII General Assembly, European Geophysical Society, 22-26 April 2002, Nice, France.
27. Dynamics of the polar lower stratosphere as seen by constant-level balloons (with A. Hertzog, F. Vial and P. Cocquerez). Presented by A. Hertzog at the XXIII General Assembly of the European Geophysical Union, 22-26 April 2002, Nice, France.
28. The UCLA Earth System Model: Development and Applications (with J. D. Farrara). NASA ESTC Conference, June 11-13, 2002, Pasadena, California.
29. Parameterization of cloud/radiation processes in the UCLA General Circulation Model (with Y. Gu, J. D. Farrara, K. N. Liou, and C. R. Mechoso). Presented by Y. Gu at the Fall Meeting of the Ameri. Geophys. Union, -12 December 2002, San Francisco, California.
30. Hydroclimate of the Plata Basin in South America (**Invited**). Fall Meeting of the Amer. Geophys. Union, 8-12 December 2002, San Francisco, California.
31. Water level fluctuations in the Plata Basin (South America) from TOPEX/POSEIDON satellite Altimetry (with C. Maheu and A. Cazenave). Presented by A. Cazenave at the Fall Meeting of the Amer. Geophys. Union, 8-12 December 2002, San Francisco, California.
32. Variability of river streamflow and climate. Eighty-third annual meeting of the American Meteorological Society, February 9-13, 2003, Long Beach, California.
33. ENSO impacts on the South American Climate: Role of the Pacific South American patterns (with A. W. Robertson and G. Cazes). EGS-AGU-EUG Joint Assembly, 6-11 April 2003, Nice, France,
34. Monitoring water levels in the Pantanal floodplains using satellite altimetry data (with F. Frappart, A. Cazenave, F. Seyler, H. Sassier and L. Phalipou). Presented by F. Frappart at the EGUS-AGU-EUG Joint Assembly, 6-11 April 2003, Nice, France.
35. A new interpretation of the Pacific South American pattern and its role in ENSO teleconnections (**Invited**, with A. W. Robertson and G. Cazes Boezio). General Assembly of the International Union of Geodesics and Geophysics (IUGG), 30 June – 11 July 11 2003, Sapporo, Japan.
36. Dynamics and Variability of the South American Monsoon System. General Assembly of the International Union of Geodesics and Geophysics, 30 June – 11 July 11 2003, Sapporo, Japan.
37. The UCLA Earth System Model: Applications and Further Developments (with J. D. Farrara and D. S. Katz). General Assembly of the International Union of Geodesics and Geophysics, 30 June – 11 July 11 2003, Sapporo, Japan.
38. Earth system modeling at UCLA. Computers in Atmospheric Sciences 2003 (CAS2K3), 8-11 September 2003, Annecy, France.
39. Orographic Influences on the Annual Cycle of Namibian Stratocumulus Clouds, with I. Richter, and J.D. Farrara. Presented by I. Richter at the 2003 Fall Meeting of the American Geophysical Society, 8-12 December 2003, San Francisco, California. Richter, I., C. R. Mechoso, and J.D. Farrara (2003). *Eos Trans. AGU, 84*(46), Fall Meet. Suppl., Abstract A21E-1016.
40. Relationships between the interannual variability of subtropical Atlantic SSTs and the winter climate of Western Europe (with B. Rodríguez-Fonseca, G. Cazes-Boezio and J. D. Farrara). Presented by B. Rodriguez-Fonseca at the General Assembly of the European Geosciences Union, 25-30 April 2004,Nice, France.
41. Evaluation of a Regional Climate Hindcast for East Asia (with H. -S. Jung and Kim). Presented by H. S. Jung at the Fall Meeting of the American Geophysical Union, 13-17 December 2004, San Francisco, California. Jung, H., J. Kim, and C.R. Mechoso (2004). *Eos. Trans.* *AGU, 85*(47), Fall Meet. Suppl., Abstract A53A-0855.
42. The winter atmospheric variability over western Europe as a response to subtropical North Atlantic SST variability using the UCLA AGCM (with T. Losada Doval, B. Rodríguez-Fonseca, and G. Cazes-Boezio Presented by T. Losada Doval at the General Assembly of the European Geosciences Union, 24-29 April 2005, Vienna, Austria.
43. Large-Scale Influences on the Behavior of Stratocumulus (with I. Richter). General Assembly of the European Geosciences Union, 24-29 April 2005, Vienna, Austria.
44. Integration of Atmosphere and Ocean General Circulation Models into the Earth System Modeling Framework (with J. A. Spahr, C. Hill, P. Jones and D. Menemenlis). General Assembly of the European Geosciences Union, 24-29 April 2005, Vienna, Austria.
45. Coupled Simulations Obtained with the UCLA AGCM with a New PBL Parameterization and the MIT Global OGCM (with G. Cazes-Boezio, C.S. Konor, D. Menemenlis, and A. Arakawa. Presented by G. Cazes-Boezio at the 17th Conference on Climate Variability and Change of the Amer. Meteor. Soc., 13-17 June 2005 Cambridge, Massachusetts.
46. Experimental ENSO predictions by the UCLA atmospheric GCM coupled to the MIT and POP oceanic GCMs using the Earth System Modeling Framework (ESMF). NASA Earth-Sun System Technology Conference, 28-30 June 2005, U. Maryland, College Park, Maryland.
47. Issues in Modeling the Warm Season Climate of South America. CLARIS. First Year Implementation Meeting, 7-9 July 2005, Bologna, Italy.
48. Energy Analysis of ENSO Events Simulated by a CGGM (**Invited**, with H. Xiao). General Assembly of the International Association of Meteorology and Atmospheric Sciences (IAMAS) 2005, 2-11 August 2005, Beijing, China.
49. Orographic Influences on the Persistence of Subtropical Stratocumulus Clouds (with I. Richter). General Assembly of the International Association of Meteorology and Atmospheric Sciences (IAMAS) 2005, 2-11 August 2005, Beijing, China.
50. Integration of a Coupled Atmosphere-Ocean Model into the ESMF (Earth System Model Framework). Computers in Atmospheric Sciences 2005 (CAS2K5), 11-14 September 2005, Annecy, France.
51. Coupled ocean-atmosphere variability in the South Atlantic (with S. Trzaska, A. W. Robertson and J. D. Farrara). Presented by S. Trzaska at The First Int. Conf. of the African Monsoon Multidisciplinary Analysis, 28 November-2 December 2005, Dakar, Senegal.
52. Model characterization of West African Monsoon mean seasonal cycle (with Teresa Losada, J. Garcia, B. Rodriguez-Fonseca and S. –Y. Ma). Presented by T. Losada at The First Int. Conf. of the African Monsoon Multidisciplinary Analysis, 28 November-2 December 2005, Dakar, Senegal.
53. Simulations of the 2000 and 2003 African Monsoon Seasons by the UCLA AGCM (with B. Rodriguez-Fonseca, T. Losada, J. Garcia and I. Polo). Presented by B. Rodriguez-Fonseca at The First Int. Conf. of the African Monsoon Multidisciplinary Analysis, 28 November-2 December 2005, Dakar, Senegal.
54. A Projection of the Impact of the Climate Change induced by Increased Greenhouse Gases on the Hydroclimate of East Asia, with J. Kim, H. Jung, R. Jones, and D. Hein. Presented by J. Kim at the 2005 Fall Meeting of the American Geophysical Society, 5-9 December 2005, San Francisco, California. Kim, J., H. Jung, C.R. Mechoso, R. Jones, and D. Hein (2005). *Eos. Trans. AGU, 86*(52), Fall Meet. Suppl., Abstract GC33B-1257
55. The VOCALS Program - Ocean Dynamics, Stratocumulus and Climate in the Southeast Pacific (with Christopher S. Bretherton and R. A. Weller). Presented by C. S. Bretherton at the 14th Conference on Interaction of the Sea and Atmosphere of the Amer. Meteor. Soc, 28 - 31 January 2006, Atlanta, Georgia.
56. Coupled Simulations by the UCLA AGCM with a new PBL Parameterization and the MIT OGCM: Sensitivity to the AGCM Resolution (with G. Cazes-Boezio, C. S. Konor and A. Arakawa). Presented by G. Cazes-Boezio at the 14th Conference on Interaction of the Sea and Atmosphere of the Amer. Meteor. Soc, 28 - 31 January 2006, Atlanta, Georgia.
57. The Sensitivity of Peruvian Stratocumulus to the Large-Scale Environment (with I. Richter). Presented by I. Richter at the 14th Conference on Interaction of the Sea and Atmosphere of the Amer. Meteor. Soc., 28 - 31 January 2006, Atlanta, Georgia.
58. A projection of the Impact of Climate Change induced by Increased Greenhouses gases on the Hydroclimate of East Asia (with J. Kim, H. –S. Jung, R. Jones and D. Hein). Presented by J. Kim at the 14th Conference on Interaction of the Sea and Atmosphere of the Amer. Meteor. Soc, 28 - 31 January 2006, Atlanta, Georgia.
59. Intraseasonal Variability of the South American Monsoon. Fifth CEOP Implementation Planning Meeting, 27 February – 1 March 2006,UNESCO, Paris, France.
60. African Easterly Waves during West African Monsoon rainy season: 2000 and 2003 events analysis (with J. Rodriguez, B. Rodriguez-Fonseca, and T. Losada). Presented by J. Rodriguez at the General Assembly of the European Geophysical Union, 2-7 April 2006, Vienna, Austria.
61. VORCORE: Early Results on Simulations and Observation of Super-Pressure Balloon Trajectories **(Invited).** VORCORE Workshop. CNES Headquarters, 18 – 19 April 2006, Paris, France**.**
62. The Earth System Modeling Framework and Earth System Curator: Software Components as Building Blocks of Community, with C. DeLuca, V. Balaji, A. da Silva, R. Dunlap, C. Hill, L. Mark, D. Middleton, S. Nikonov, S. Rugaber, and M. Suarez. Presented by C. DeLuca at the 2006 Joint Assembly of the American Geophysical Society, 23-26 May 2006, Baltimore, Maryland. DeLuca C., V. Balaji, A. da Silva, R. Dunlap, Hill, C., Mark, L., C.R. Mechoso, D. Middleton, S. Nikonov, S. Rugaber, and M. Suarez (2006). *Eos.Trans. AGU 87*(36), Jt. Assem. Suppl., Abstract IN33A-03
63. The VAMOS Ocean-Clouds-Atmosphere-Land Study Program (VOCALS). **(Invited)**. Climate Prediction Program for the Americas (CPPA) of NOAA. 14-16 August 2006, Tucson, Arizona.
64. VOCALS Modeling Plans in the Southeast Tropical Pacific. Joint GESS-GPCI/BLCI-RICO Workshop. NASA/Goddard Institute for Space Studies (GISS), 18-21 September 2006, New York, New York.
65. 2006 AGU Fall Meeting, 11-15 December 2006, San Francisco, California.
66. Stratospheric Variability as Predictor of Winter precipitation over Europe, with A. Cámara, E. Serrano and B. Ayarzagüena. Presented by A. Cámara at…Barcelona, Spain.
67. Role of Tropical-Extratropical SST on the North Atlantic Atmospheric Circulation with T. Losada, and B. Rodriguez-Fonseca. Presented by T. Losada at the 7th EMS Annual Meeting of the 8th European Conference on Applications of Meteorology. El Escorial, Spain.
68. Stratosphere-Troposphere System and Precipitation over Europe during Winter, with A. de la Cámara, and E. Serrano. Presented by A. de la Cámara at the 7th EMS Annual Meeting of the 8th European Conference on Applications of Meteorology. El Escorial, Spain.
69. Recent trends in the connection between Atlantic and Pacific NIÑO's (with B. Rodríguez-Fonseca, I. Polo, and J. García Serrano). Presented by B. Rodríguez-Fonseca at the World Climate Research Programme (WCRP) Workshop on Seasonal Prediction, 4-7 June 2007, Barcelona, Spain.
70. The correlative evolution of ENSO and the seasonal cycle in the tropical Pacific Ocean (with H. Xiao). Presented by H. Xiao at the Fifteenth Conference on Air-Sea Interaction, 20-23 August 2007, Portland, Oregon.
71. Winter rainfall variability over Europe in the coupled stratosphere-troposphere system (with A. De la Cámara, E. Serrano, and B. Ayarzaguena). 7th European Meteorological Society Annual Meeting / 8th European Conference on Applications of Meteorology, 1-5 October 2007, El Escorial, Madrid, Spain.
72. VOCALS: A Program of Studies of the Southeast Pacific Climate. CLIVAR Workshop on Western Tropical Pacific: Hatchery for ENSO and Global Teleconnections, 26 – 28 November 2007, Guangzhou, China.
73. VOCALS; Improving Our Understanding for the Eastern Tropical Pacific. CLIVAR Pacific Implementation Panel, 28-29 November 2007, Guangzhou, China.
74. Modes of co-variability between the West African Monsoon (WAM) precipitation and Sea Surface Temperatures (SST) simulated by several AGCMs (with E. Mohino, T. Losada, and B. Rodriguez-Fonseca). Presented by E. Mohino at the African Monsoon Multidisciplinary Analyses 2nd International Conference, 26-30 November 2007, Karlsruhe, Germany.
75. Mechanisms of Co-variability Between West African Monsoon (WAM) Precipitation an Equatorial Pacific Sea Surface Temperatures (with E. Mohino and B. Rodriguez-Fonseca). Presented by E. Mohino at the Second International African Monsoon Interdisciplnary Analysis (AMMA) Conference, 26-30 November 2007, Karlsruhe, Germany.
76. On the Response of West African Rainfall to Time-Varying SST Anomalies in the Equatorial Atlantic using the UCLA AGCM (with T. Losada and B. Rodriguez-Fonseca). Presented by T. Losada at the Second International African Monsoon Interdisciplinary Analysis (AMMA) Conference, 26-30 November 2007, Karlsruhe, Germany.
77. Interannual and Interdecadal Links Variations in the Streamflow of South American Rivers and their Links to Climate, with Alvaro Diaz. Second Space for Hydrology Workshop, European Space Agency, 12-14 November 2007. Geneva, Switzerland.
78. Zamboni, L., C. R. Mechoso, F. Kucharski, 2007: El Niño/Southern Oscillation Impact on Rainfall Over South America: A Bayesian Approach to Improve its Forecasts, Eos Trans. AGU, 88(52), Fall Meet. Suppl., Abstract H24C-07. Presented by L. Zamboni. Zamboni, L., C.R. Mechoso, and F. Kucharski (2007). *Eos Trans. AGU, 88*(52), Fall Meet. Suppl., Abstract H24C-07.
79. West African Monsoon precipitation response to the Equatorial Pacific Sea Surface Temperature anomalies. Dynamical Mechanisms, with E. Mohino, E.B. Rodriguez-Fonseca, and T. Losada. Presented by E. Mohino at Nice, France.
80. West African rainfall response to SST anomalies in the equatorial Atlantic, with T. Losada, B. Rodriguez-Fonseca, J. García-Serrano, and E. Mohino. Presented by T. Losada at Nice, France.
81. What determines the position and intensity of the South Atlantic anticyclone in austral winter? –A GCM study, with I. Richter and C.R. Mechoso. Perugia, Italy.
82. West African Monsoon precipitation response to equatorial Pacific sea surface temperature anomalies. Dynamical mechanisms (with E. Mohino, B. Rodriguez-Fonseca, and T. Losada). Presented by E. Mohino at the Symposium Climate: Past, Present, Future of the European Geophysical Union (EGU), 13-28 April 2008, Vienna, Austria.
83. VOCALS and pre-VOCA. Fourth PAN-GEWEX Cloud System Study meeting on “Advances in Modeling and Observing Clouds and Convection,” 2-6 June 2008, Toulouse. France.
84. SPICE: South Pacific Circulation and Climate Experiment (with A. Ganachaud, W. Kessler, G. Brassington, S. Wijffels, K. Ridgway, W. Cai, N. Holbrook, P. Sutton, M. Bowen, B. Qiu, A. Timmermann, D. Roemmich, J. Sprintall, D. Neelin, B. Lintner, H. Diamond, S. Cravatte, L. Gourdeau, P. Eastwood, and T. Aung). Presented by A. Ganachaud t the Western Pacific Geophysics Meeting, 29 July – 1 August, Cairns, Australia.
85. To improve modeling, simulation and prediction of the tropical climate with coupled GCMS. The Climate Prediction Program for the Americans (CPPA) P. I. Meeting, 29 September – 1 October 2008, Silver Spring, Maryland.
86. Stratosphere-troposphere system and precipitation over Europe during winter (with A. de la Cámara and E. Serrano). Presented by A. de la Cámara at the 7th EMS Annual Meeting and 8th European Conference on Aplications of Meteorology, 1-5 October 2007, San Lorenzo de El Escorial, Spain.
87. The South American Monsoon System. Fourth International Workshop on Monsoons (IWM-IV), 20-25 October 2008, Beijing, China.
88. Modeling Monsoons: Understanding and Predicting Current and Future Behavior (with J. Slingo, A Giannini, M. Kimoto, J. Meehl, K. Sperber, and A. Turner). Presented by A. Turner at the Fourth International Workshop on Monsoons (IWM-IV), 20-25 October 2008, Beijing, China.
89. On the Atlantic Niño influence on the Pacific La Niña (with B. Rodriguez-Fonseca, B. I. Polo, J. Garcia-Serrano, T. Losada, E. Mohino, and F. Kucharski). Presented by B. Rodriguez Fonseca at the Conference on Teleconnections in the Atmosphere and Oceans, 17 - 20 November 2008, International Centre for Theoretical Physics (ITCP), Trieste, Italy.
90. What is the nature of upper level wind variability over South America and how can it be used in seasonal predictions of precipitation? (with L. Zamboni and F. Kucharski). Presented by L. Zamboni at the Conference on Teleconnections in the Atmosphere and Oceans, 17-20 November 2008, International Centre for Theoretical Physics (ITCP), Trieste, Italy.
91. Bretherton, C. S., M. C. Wyant, R. Wood, and C. R. Mechoso, 2008: PreVOCA and VOCALS-REx: Observations vs. Models for Southeast Pacific Stratocumulus, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract A41L-06. Presented by C. Bretherton.
92. Gelinas, L. J., R. Walterscheid, C. R. Mechoso, and G. Schubert, 2008: Identification of large-scale stratospheric 10-hour waves in the Antarctic polar vortex, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract A31D-0146. Presented by L. Gelinas.
93. Mechoso, C. R., R. L. Walterscheid, L. J. Gelinas, G. Schubert, 2008: The Semidiurnal Westward s=1 Tide in the Stratosphere, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract A31D-0148. Presented by R. L. Walterscheid.
94. Walterscheid, R. L., L. Gelinas, C. R. Mechoso, G. Schubert, 2008: Gravity Wave Relations in Density Coordinates and Application to Constant Density Balloon Data, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract A31C-0097. Presented by R. L. Walterscheid.
95. The VOCALS Regional Experiment: Field activities and preliminary findings I(with R. Wood, C.S. Bretherton, R. A. Weller, B. A. Albrecht, P. Brown, H. Coe, P. H. Daum, C. W. Fairall, R. Garreaud, L. Gallardo, C. Grados, and G. Vaughn). Presented by R. Wood at the Sixteenth Conference on Air-Sea Interaction: Variability of the American Monsoon (VAMOS) Ocean-Cloud-Atmosphere-Land-Study (VOCALS): Part 1, 12 January 2009, Phoenix, Arizona.
96. The VOCALS Regional Experiment: Field activities and preliminary findings II (with H. Coe, R. Wood, C. Bretherton, R. A. Weller, P. H. Daum, and B. A. Albrecht). Presented by H. Coe at the Sixteenth Conference on Air-Sea Interaction: Variability of the American Monsoon (VAMOS) Ocean-Cloud-Atmosphere-Land-Study (VOCALS): Part 1, 12 January 2009, Phoenix, Arizona.
97. The PreVOCA model assessment (with M. C. Wyant, R. Wood, and C. Bretherton). Presented by M. C. Wyant at the 16th Conference on Air-Sea Interaction: Variability of the American Monsoon (VAMOS) Ocean-Cloud-Atmosphere-Land-Study (VOCALS): Part 1, 12 January 2009, Phoenix, Arizona.
98. Ocean surface heat budget and ocean eddy transport in the South-East Pacific in a high-resolution coupled model (with T. Toniazzo, L. Shaffrey, and J. Slingo):. Presented by T. Toniazzo at the Sixteenth Conference on Air-Sea Interaction: Variability of the American Monsoon (VAMOS) Ocean-Cloud-Atmosphere-Land-Study (VOCALS): Part 1, 12 January 2009, Phoenix, Arizona.
99. Inter-Hemispheric Influence of the Atlantic Warm Pool on the Southeast Pacific (with C. Wang, S. K. Lee, and D. B. Enfield). **(Invited)** Presented by C. Wang at the Sixteenth Conference on Air-Sea Interaction: Variability of the American Monsoon (VAMOS) Ocean-Cloud-Atmosphere-Land-Study (VOCALS): Part 1, 12 January 2009, Phoenix, Arizona.
100. Variability of the diurnal cycle of rainfall in the South American monsoon system (with H. –Y. Ma). Presented by H. –Y. Ma at the 9th International Conference on Southern Hemisphere Meteorology and Oceanography of the Amer. Meteor. Soc., 9-13 February 2009, Melbourne, Australia.
101. Submonthly variability in the South American monsoon system (with H. –Y. Ma). Presented by H. –Y. Ma at the 9th International Conference on Southern Hemisphere Meteorology and Oceanography of the Amer. Meteor. Soc., 9-13 February 2009, Melbourne, Australia.
102. Sobre la reciente relación entre El Niño Atlántico y Pacífico. Repercusiones en las teleconexiones ENSO con la Península Ibérica (with B. Rodríguez-Fonseca, B., I. Polo, J. García-Serrano, T. Losada, and E. Mohino). Presented by B. Rodríguez-Fonseca at “Climate in Spain: Past, Present, and Future”, 11-13 February 2009, WCRP CLIVAR, Madrid, Spain.
103. Have Atlantic Niños been leading Pacific ENSO events in recent decades? (with B. Rodríguez-Fonseca, I. Polo**,** J. García-Serrano, T. Losada, E. Mohíno, and F. Kucharski). Presented by B. Rodríguez-Fonseca at the EGU General Assembly, 20-24 April 2009, Vienna, Austria.
104. Air-sea interaction in the Pacific La Niña evolution from Atlantic remote influence (with I. Polo, B. Rodríguez-Fonseca, J. García-Serrano, T. Losada, E. Mohíno, and F. Kucharski). Presented by I. Polo at the EGU General Assembly, 20-24 April 2009, Vienna, Austria.
105. West African Monsoon precipitation response to Tropical Pacific Sea Surface Temperature anomalies in the late XX Century (with E. Mohino, B. Rodriguez-Fonseca, S. Gervois, P. Ruti and F. Chauvin.) Presented by E. Mohino at the EGU General Assembly, 20-24 April 2009, Vienna, Austria.
106. Upper Level Wind Ciruclation over South America: Impact on Precipitation over Southeastern South America and Relation with ENSO and the Pacific South American Modes (with L. Zamboni and F. Kucharski). Presented by L. Zamboni at the General Assembly of the European Geosciences Union on Tropical Climate Variability and Teleconnections, 19-24 April 2009, Vienna, Austria.
107. Atmospheric Bridge in the recent connection between Atlantic and Pacific Niños (with B. Rodríguez-Fonseca, I. Polo, J. García-Serrano, T. Losada, E. Mohino, and F. Kucharski). Presented by B. Rodríguez-Fonseca at the General Assembly of the European Geosciences Union on Tropical Climate Variability and Teleconnections, 19-24 April 2009, Vienna, Austria.
108. Ocean heat advection in the South-East Pacific in a high-resolution coupled GCM, with T. Toniazzo, L. Shaffrey, and J. Slingo. Presented by T. Toniazzo at the Working Group on Ocean Modeling (WGOMD) Workshop on Ocean Mesoscale Eddies, 27-29 April 2009, UK Met Office Hadley Centre, Exeter, UK
109. Is the Atlantic El Niño dynamically affecting the Pacific ENSO in recent decades? (with B. Rodriguez-Fonseca, I. Polo, J. Garcia-Serrano, T. Losada, E. Mohino, and F. Kucharski) Presented by B. Rodríguez-Fonseca at the Third International AMMA Conference. 20-24 July 2009, Ouagadougou, Burkina Faso.
110. Impact of Tropical Pacific Sea Surface Temperature anomalies on West African Monsoon precipitation in the late XX Century (with E. Mohino, B. Rodriguez-Fonseca, S.Gervois, P. Ruti and F. Chauvin). Presented by E. Mohino at the Third International AMMA Conference, 20-24 July 2009, Ouagadougou, Burkina Faso.
111. Connection of Subtropical Anticyclone, and the South American Monsoon System (with H. -Y. Ma, H. Xiao, C. -M. Wu, Y. Xue, and F. De Sales). Presented by H. -Y. Ma at the : *Eos*, Vol. 90, Number 52, 29 December 2009, Fall Meet. Suppl., Abstract A11H-06.
112. Toniazzo, T., C. R. Mechoso, L. C. Shaffrey, and J. M. Slingo, 2009: Upper ocean heat budget and ocean eddy transport in the South-East Pacific in a high-resolution coupled GCM. Geophysical Research Abstracts, Vol. 11, EGU2009-2914, 2009 EGU General Assembly 2009. Presented by T. Toniazzo.
113. Zamboni, L., C. R. Mechoso, and F. Kucharski, 2009: Upper Level Wind Circulation over South America: Impact on Precipitation over Southeastern South America and Relation with ENSO and the Pacific South American Modes. Geophysical Research Abstracts, Vol. 11, EGU2009-7648-1, 2009 EGU General Assembly.
114. Toniazzo, T., S. Abel, G. Allen, R. Wood, C. R. Mechoso, R. George, and C. S. Bretherton, 2009: Analysis of synoptic conditions during VOCALS-REx. Vol. 90, Number 52, 29 December 2009, AGU Fall Meet. Suppl., Abstract A13J-0432. Presented by T. Toniazzo.
115. Xiao, H., C. –M. Wu, and C. R. Mechoso, 2009: The Impact of Buoyancy Reversal in Stratocumulus-Topped Marine Boundary Layers. Vol. 90, Number 52, 29 December 2009, AGU Fall Meet. Suppl., Abstract A13J-0422. Presented by H. Xiao.
116. Xiao, H., C. –M. Wu, and C. R. Mechoso, 2009: The Impact of Buoyancy Reversal in Stratocumulus-Topped Marine Boundary Layers. Vol. 90, Number 52, 29 December 2009, AGU Fall Meet. Suppl., Abstract A13J-0422. Presented by H. Xiao.
117. De La Camara, A., L. Gelinas, K. Ide, H. -Y Ma, A. M. Mancho, C. R. Mechoso, G. Schubert, and R. Walterscheid, 2010: Dynamical Studies of the Stratosphere with VORCORE SPBs. 28 March-4 April 2010, Toulouse, France.
118. Mechoso, C. R., 2010: La Fascinante Capa Limite Marina en la Costa Pacifica de Sud America, 21-25 November, Punta del Este, Uruguay. **(Invited)**
119. Stratocumulus to cumulus transition in the UCLA AGCM (with H. Xiao, and C. Wu). Presented by H. Xiao at the AGU Fall 2010 General Assembly, 5-9 December, San Francisco, California.
120. A Lagrangian analysis of transport across the Antarctic polar vortex in the southern spring, with A. de la Camara, A. M. Mancho, K. Ide, E. Serrano, and E. Serrano. Presented by A. de la Camara at the AGU Fall 2010 General Assembly, 5-9 December, San Francisco, California.
121. Namibian Stratocumulus and the Tropical Atlantic Circulation, with H. Xiao, presented by H. Xiao at the AGU Fall 2010 General Assembly, 5-9 December, San Francisco, California.
122. Mechoso, C. R., T. Toniazzo, J. C. McWilliams, F. Colas, 2010: A discussion on the processes that maintain a cool ocean surface under the stratus decks of the southeastern Pacific. Presented by J. C. McWilliams at the AGU Fall 2010 General Assembly, 13-17 December, San Francisco, California.
123. Sahel Rainfall: Before and After the 1970’s. WCRP Workshop on Drought Predictability and Prediction in a Changing Climate (with E. Mohino and B. Rodriguez-Fonseca **(Invited**), 2-5 March 2011, Barcelona, Spain.
124. A discussion on the processes that maintain a cool ocean surface under the stratus decks of the southeastern Pacific (with T. Toniazzo, J. C. McWilliams, and F. Colas). Third VOCALS Science Meeting, 21-23 March 2011, Miami, Florida.
125. A multidisciplinary study of the Tropical climate: VOCALS Report and Relevance to the Atlantic Workshop. WCRP Workshop on coupled ocean-atmosphere-land processes in the Tropical Atlantic, 23-25 March 2011, Miami, Florida.
126. Response of Sea Level and MOC in a Coupled GCM to Greenland Ice Melting (with D. Stammer, N. Agarwal, P. Herrmann, and A. Köhl). NERC RAPID-WATCH International Science Meeting 12-15 July, Bristol, UK
127. Response of the Coupled Ocean-Atmosphere System to Greenland Ice Melting (with D. Stammer, N. Agarwal, P. Herrmann, and A. Köhl). Presented by D. Stammer at the IUGG/IAPSO Symposium, 28 June-7 July 2011, Melbourne, Australia.
128. Evaluation of Momentum Fluxes in Constant Density Coordinates: Application to Superpressure Balloon Data during the VORCORE Campaign (with R. Walterscheid, L. Gelinas, and G. Schubert). Presented by R. Walterscheid at the IUGG/IAPSO Symposium, 28 June-7 July 2011, Melbourne, Australia.
129. Non-stationary impacts of the tropical oceans on the West African Monsoon (with T. Losada, B. Rodríguez-Fonseca, E. Mohino, S. Janicot, and J. Bader). Presented by T. Losada at the AMMA International Conference, 2-6 July 2012, Toulouse, France.
130. Stratocumulus to Cumulus Transition Climate Modeling Team (CPT). US CLIVAR Summit, 16-19 July 2012, Irvine.

**WORKSHOPS**

The Responsible Interpretation of Atmospheric Models and Related Data. 9 - 11 March 1981, La Jolla Institute, La Jolla, California.

Coupled Ocean-Atmospheric Modeling for 3-15 Day Numerical Prediction. 30 - 31 August 1983, Naval Environmental Prediction Research Facility, Monterey, California.

Predictability of Fluid Motions. 1 - 4 February 1983, La Jolla Institute, La Jolla, California.

Climate Variability of the Eastern North Pacific and Western North America. 4-8 March 1984, Pacific Grove, California.

National Academy of Sciences Proceedings of the FGGE Workshop. 9 - 20 July 1984, National Academy of Sciences Study Center, Woods Hole, Massachusetts.

IBM Workshop on Global Scale Anomalous Circulation in the Atmosphere and Blocking. 27-31 August 1984, Rome, Italy.

WMO Scientific Seminar on Numerical Modeling and Predictability. 1 - 5 October 1984, Sitguna, Sweden.

Organizer of Workshops on Air-Sea Interactions Associated with El Niño. 1-2 November 1984 and 10 June 1985, UCLA, Los Angeles, California.

Global Effects Program Meeting, Defense Nuclear Agency. 12-14 February 1985, Santa Barbara, California.

Model Intercomparison Workshop, National Center for Atmospheric Research. 9-12 December l985, Boulder, Colorado.

Workshop on Atmosphere-Ocean General Circulation Models. 30 January l986, Scripps Institution of Oceanography, La Jolla, California.

Planning meeting of the Meteorology Project at the Riverside Forest Fire Laboratory. 8 - 10 April 1986, Riverside, California.

Currents in Geophysics and Hydrodynamics, UCSD Institute for Nonlinear Science and UCLA Project in Nonlinear Science. 6-8 June 1986, UCLA Conference Center, Lake Arrowhead, California.

NASA Principal Investigators Meeting. June 23-27, 1986, Seattle, Washington.

Sixth Extratropical Cyclone Workshop. 17-20 February 1987, Pacific Grove, California.

INO Summer Colloquium on Mesoscale Ocean Science. 27-24 July 1988, Otter Rock, Oregon.

The NATO Advanced Research Workshop in Dynamics, Chemistry and Photochemistry in the Middle Atmosphere of the Southern Hemisphere. 15-17 April 1989, San Francisco, California.

University of California Workshop on Climate Change at University of California Davis. 10-12 July 1989, Davis, California.

Fourteenth Annual Climate Diagnostics Workshop. 16-20 October 1989, La Jolla, California.

Arctic System Science, Ocean/Atmosphere/Ice Interaction Workshop. 12-16 March 1990, UCLA Conference Center, Lake Arrowhead, California.

Atlantic Climate Program Workshop. 1-3 May 1990, Geophysical Fluid Dynamics Laboratory, Princeton University, Princeton, New Jersey.

Advanced Undergraduate and Graduate Curriculum in the Aerospace Sciences and Engineering. 23-26 July 1990, University of California San Diego, La Jolla, California.

U.S. - Japan Bilateral Workshop on El Niño/Southern Oscillation (ENSO). 10-14 September 1990, Seattle, Washington.

News Media Workshop. 24 September 1990, San Diego Supercomputer Center, La Jolla, California.

Atmospheric Models Intercomparison Workshop. 4-5 April 1991, Berkeley, California.

Sixteenth Annual Climate Diagnostics Workshop. 28 October – 1 November 1991, Lake Arrowhead, California.

GIGATCC Meeting – Final Report Workshop. 20–21 July 1992, Avalon, California.

Project Sequoia 2000 Annual Retreat. 17-19 January 1993, Lake Arrowhead, California.

First NASA/HPCC ESS Science Team Meeting. 27-29 January 1993, Greenbelt, Maryland.

Workshop on Grand Challenge Applications and Software Technology, NSF/NASA/DOE/EPA. 4-6 May 1993, Pittsburgh, Philadelphia.

UC/DOE INCOR Meeting. 13-14 May, 1993, La Jolla, California.

Coupled Atmosphere-Ocean Modelling Group. 4-6 August 1993, Paris, France.

Second STRATEOLE Workshop. 3-5 November 1993, Centre Nationale de la Recherche Scientifique, Paris, France.

Third NASA/HPCC ESS Science Team Meeting. 15 November 1993, Portland, Oregon.

Coupled Atmosphere-Ocean Modelling Group. 5-6 December 1993, UCLA, Los Angeles, California.

UC/DOE INCOR Meeting. 7–8 April 1994, Irvine, California.

Earth System Modeling Workshop, USGCRP. 1–4 May, 1994, NSF Offices, Ballston, Virginia.

Climate Model Archives for Global Change Research. 16–17 May 1994, Institute for the Study of Planet Earth, University of Arizona, Tucson, Arizona.

Workshop on Research and Applications of Climate Forecasts in the Decision Making Process in Southeastern South America, CNCG/DNM/INPE/NOAA. 26-28 September 1994, Montevideo, Uruguay.

Fifth Gigabit Testbed Workshop, NSF/ARPA. 2-4 November 1994, Reston, Virginia.

Second Workshop on Atmosphere/Ocean Interactions: Climate Phenomena in the Pacific Basin and Rim, Observations, Modeling and Analysis. 16-18 November 1994, University of Tokyo, Tokyo, Japan.

Workshop on Global Coupled General Circulation Models, World Climate Research Program/DOE. 10-12 October 1994, Scripps Institution of Oceanography, La Jolla, California.

Pan American Climate Studies Implementation Plan, Development Meeting. 7-10 February 1995, Miami, Florida.

Fourth Stratéole Workshop, CNES Headquarters. 9-10 October 1995, Paris, France.

Pan American Climate Studies Principal Investigators Meeting, University of Utah. 19-21 September 1995, Salt Lake City, Utah.

First International Workshop on Software Engineering and Code Design in Parallel Meteorological and Oceanographic Applications, Sponsored by HPCC/NOAA, DOE CHAMMP, CRPC and IBM. 16-19 September 1996, Blaine, Washington.

PACS/GCIP Workshop: Modeling Strategy for Regional Climate Prediction and Assessment over North America. 1-3 October 1997, Washington, D. C.

Fifth STRATEOLE Workshop, CNES. 10-13 June 1997, Toulouse, France.

Atlantic Climate Variability Meeting. 1-4 February 1998, Dallas, Texas.

UCLA Symposium on Clustered Computing, 10 December 1998, UCLA, Los Angeles, California.

GEWEX Coordinated Enhanced Observing Period (CEOP) Workshop, University of Hawaii, Honolulu, 27-29 January 2000.

“In Memoriam Hans Oeschger: Towards an Isotope Climatology.” Max-Planck-Institute for Meteorology, 4 - 6 September 2000, Hamburg, Germany.

Integrated Global Observing Strategy (IGOS) Water Cycle Theme Proposal Workshop. 8 - 10 January 2001, Irvine, California.

International CEOP Workshop. NASA Goddard Space Flight Center, 27 February - 1 March 2001, Greenbelt, MD.

Workshop on Technology for Climate Change Prediction. Yonsei University, 21 - 23 May 2001, Seoul, South Korea.

IAPSO General Assembly, 21-28 October 2001, Mar del Plata, Argentina.

First Seminar of Meteorology Applied to the Operation of the Brazilian Electric System, 16-18 December 2001, Rio de Janeiro, Brazil.

CLIVAR/OOPC/IAI Workshop on the South Atlantic climate observing system, 6 – 8 February, 2003, Angra dos Reis, Brazil

Reducing biases over the oceans in coupled model simulations on seasonal and longer timescales, 28-30 May, GFDL, NOAA/Princeton University, New Jersey, USA. Hydrology from Space, 29 September – 1 October 2003, Toulouse, France.

Fourth CEOP Implementation Planning Meeting, 28 February – 5 March 2005, U. Tokyo, Japan.

Fifth CEOP Implementation Planning Meeting, 27 February – 1 March 2006,UNESCO, Paris, France.

Stratéole Workshop, CNES Headquarters. 18-19 April 2006, Paris, France.

CLIVAR Workshop on Western Tropical Pacific: Hatchery for ENSO and Global Teleconnections. 28-29

November 2007, Guangzhou, China.

First VOCALS Regional Experiment (REx) Preparatory Workshop, 11 – 12 June 2007, Boulder, Colorado.

VOCALS Modeling Workshop, 17 – 20 March 2008, Boulder, Colorado.

World Modeling Summit for Climate Prediction, WCRP, 4 -11 May 2008, Reading, England.

GEWEX/GCSS, 2-9 June 2008, Toulouse, France.

Fourth International Workshop on Monsoons (IVM-IV), 20-25 October 2008, Beijing, China.

Second Pan-WCRP Monsoon Workshop (PWM-2), 20-25 October 2008, Beijing, China.

VOCALS Science Meeting, 10-16 July 2009, Seattle, Washington.

CONCORDIASI Workshop, 29-31 March 2010, Toulouse, France.

XXIV Congreso Latinoamericano de Hidraulica, 21-25 November 2010, Punta del Este, Uruguay.

WCRP Workshop on Drought Predictability and Prediction in a Changing Climate, 2-5 March 2011, Barcelona, Spain.

Third VOCALS Science Meeting. 21-23 March 2011, Miami, Florida.

Workshop on coupled ocean-atmosphere-land processes in the Tropical Atlantic, 23-25 March 2011, Miami, Florida.

Systematic Errors of Coupled GCMs in the tropical Pacific and Atlantic Oceans: Similarities, Differences, Attempts to Reduction, and Outstanding Questions. 4th WGNE workshop on systematic errors in weather and climate models. 15-19 April 2013, Exeter, UK.

Simulations of the South American Monsoon System: A Multi-Model Study (with K. Schiro, E. Cuisinier, and L. R. Leung. Presented at CORDEX, Lima

Lessons learned from VOCALS and applicability to programs in the Southeastern Atlantic Ocean. WCRP/CLIVAR. Ca' Foscari University, Venice, Italy, October 22-25, 2013.

**PANELS AND WORKING GROUP MEETINGS**

Panel on the Interaction Between Atmospheric Flows and the Ocean. ASME Winter Annual Meeting, Anaheim, California, 8-13 November 1992.

Grand Challenges for High Performance Computing (Co-Chair of I/O, Data and File Systems Group). A Joint HPCC Conference, Pittsburgh, Pennsylvania, 7 May 1993.

International Forum on Forecasting El Niño: Launching an International Research Institute. Washington, D.C., 6-8 November 1995.

Panel on Ocean/Atmosphere Interaction and Climate Change. International Mechanical Engineering Congress and Exposition (IMEC&C '95), San Francisco, California, 12 - 17 November 1995.

NASA EOS Review Panel. NASA Headquarters, Washington D.C., 28 February - 1 March 1996.

Fifth CLIVAR Scientific Steering Group Meeting. Sapporo, Japan, 3-7 June 1996.

Climate Research Committee. National Research Council, National Academy of Sciences, Washington, D. C., 10-12 June 1996.

Sixth CLIVAR Scientific Steering Group Meeting. Washington, D.C. 28 Apr-2 May 1997.

Pacific BasinExtended Climate Study (BECS) Planning Meeting. University of Miami, Rosenthiel School of Marine and Atmosphere Sciences/AOML. Miami, Florida, 15-16 September 1997.

PanAmerican Climate Studies (PACS) Field Work Planning Meeting. University of Miami, Rosenthiel School of Marine and Atmospheric Sciences/AOML. Miami, Florida, 17-19 September 1997.

VAMOS/PACS Workshop on Field Programs and First CLIVAR/VAMOS Panel Meeting (VPM1), Sao Paulo, Brazil, 30 April - 3 May 1998.

Seventh CLIVAR Scientific Steering Group Meeting, Santiago, Chile, 27-30 April 1998.

Pan American Climate Studies (PACS) Working Group Meeting. NOAA Office of Global Programs, Silver Springs, Maryland, 1-2 June 1998.

GEWEX Scientific Steering Group Meeting, Tucson, Arizona, 24-27 February, 1999.

Second CLIVAR/VAMOS Panel Meeting (VPM2), Buenos Aires, Argentina, 15-18 March, 1999.

Eighth CLIVAR Scientific Steering Group Meeting, Southampton, England, 8-14 May 1999.

Third CLIVAR/VAMOS Panel Meeting (VPM3), Santiago, Chile, 8-9 April, 2000.

Ninth CLIVAR Scientific Steering Group Meeting, Honolulu, Hawaii, 1-5 May 1999.

Sixth GEWEX Hydrometeorological Panel (GHP) Meeting. Angra dos Reis, Brazil, 11 - 15 September 2000.

Thirteenth GEWEX Scientific Steering Group Meeting, Barcelona, Spain, 29 January–2 February 2001.

Fourth CLIVAR/VAMOS Panel Meeting (VPM4), Montevideo, Uruguay, 25 - 30 March 2001.

Tenth CLIVAR Scientific Steering Group Meeting, Toulouse, France, 14-18 May 2001.

CLIVAR Pan American Implementation Panel Meeting, Denver, Colorado, 30-31 May 2001.

CLIVAR PACS Proposal Review Panel, Silver Spring, Maryland, 4-6 June 2001.

CLIVAR Asian-Australian Monsoon Panel, Reading, England, 29-31 August 2001.

Seventh GEWEX Hydrometeoroly Panel (GHP) Meeting, Paris, France, 6-8 September 2001.

CLIVAR Atlantic Panel, Paris, France, 7 - 8 September 2001.

Associated Universities Inc. Workshop on International Space Station, University of California San Diego, La Jolla, California, 29 January 2002.

WCRP/CLIVAR/GEWEX Coordinated Enhanced Period (CEOP) Scientific Steering Group Meeting, Tokyo, Japan, 5 - 8 March 2002.

Fifth CLIVAR/VAMOS Panel Meeting (VPM5), San José, Costa Rica, 12-15 March 2002.

Eleventh CLIVAR Scientific Steering Group Meeting. Xian, China, 21-24 May 2002.

WCRP Coordinated Enhanced Period (CEOP) Scientific Steering Group Meeting, Berlin, Germany, 2-4 April, 2003.

Sixth CLIVAR/VAMOS Panel Meeting (VPM6). University of Miami, Rosenthiel School of Marine and Atmospheric Sciences/AOML. Miami, Florida, 23 - 26 April 2003.

Twelfth CLIVAR Scientific Steering Group Meeting. Victoria, Canada, 5 - 9 May 2003.

Ninth GEWEX Hydrometeoroly Panel (GHP) Meeting, Lüneburg, Germany, 22 - 26 September 2003.

Sixteenth GEWEX Scientific Steering Group Meeting, Marrakech, Morocco, 26 – 30 January 2004.

Third International Implementation Planning Meeting for the Coordinated Enhanced Observing Period (CEOP), University of California at Irvine, Irvine, California, 10 – 12 March 2004.

VOCALS: A Program of Studies in the Southeast Pacific Climate, Frontier Research Global Climate Change/ U. Tokyo, Yokohama, Japan, 27 April 2007.

Seventh CLIVAR/VAMOS Panel Meeting (VPM7), University of Miami, Rosenthiel School of Marine and Atmospheric Sciences/AOML. Guayaquil, Ecuador, 23 - 26 April 2004.

Tenth GEWEX Hydrometeorology Panel (GHP) Meeting, Montevideo, Uruguay, 13 - 16 September 2004.

Third CLIVAR Pacific Panel Meeting, Honolulu, Hawaii, 15 – 17 February 2006.

Fifteenth CLIVAR Scientific Steering Group Meeting, Geneva, Switzerland, 11 – 14 September 2007.

CLIVAR Pacific Implementation Panel, Guangzhou, China, 29 – 30 November 2007.

Fourth Session of the WCRP/CLIVAR Pacific Panel, 29-30 November 2007, Guangzhou, China

VAMOS Panel Meeting (VPM 11), Miami, Florida, 24-27 March 2008.

UK-VOCALS, Reading, England, 1-8 October 2008.

The VAMOS Ocean-Clouds-Atmosphere-Land Studies Program, CLIVAR Summit, Reading, England, 1-8 October 2008.

Sixteenth CLIVAR Scientific Steering Group Meeting, Madrid, Spain, 18 – 22 May 2009.

Thirteenth CLIVAR/VAMOS Panel Meeting (VPM 13), 29-31 July, 2010, Buenos Aires, Argentina.

**Ph.D. THESIS SUPERVISED (UCLA Department of Atmospheric Sciences)**

Sinton, Douglas M., 1984: Instability and nonlinear evolution of frontal waves. University of California Los Angeles, 114 pp.

Farrara, John D., 1989: An observational study of the circulation in the Southern Hemisphere stratosphere. University of California Los Angeles, 175 pp.

Karaca, Mehmet, 1991: An ocean circulation model for climate studies. University of California Los Angeles, 155 pp.

Hines, Keith M., 1992: Frontogenesis processes in the middle and upper troposphere. University of California Los Angeles, 180 pp.

Konor, Celal S., 1992: Modelling studies of frontogenesis in the upper and middle troposphere (co-chair with A. Arakawa). University of California Los Angeles, 256 pp.

Quintanar, I. Arturo, 1993: Topographic effects on the Southern Hemisphere circulation. University of California Los Angeles, 146 pp.

Chen, Mingyue 1997: Seasonal and interannual variabilities in the stratospheric circulation. University of California Los Angeles, 173 pp.

Tseng, Lishan, 1999: Interannual variability of the Tropical Atlantic climate and its relationship with El Niño-Southern Oscillation. University of California Los Angeles, 170 pp.

Köhler, Martin, 1999: Explicit prediction of ice clouds in general circulation models. University of California Los Angeles, 146 pp.

Terra, Rafael, 2001: The impact of orographic variance on boundary layer clouds and its parameterization for climate models. University of California Los Angeles, 187 pp.

Richter, Ingo, 2005: Impact of the large-scale environment on subtropical stratocumulus clouds, PhD Thesis. University of California Los Angeles, 192 pp.

Xiao, Heng, 2008: A GCM study of El Nino-Southern Oscillation and its relation with the seasonal cycle. PhD Thesis. University of California Los Angeles, 164 pp.

Hsi-Yen Ma, 2009: Submonthly variability of the South American Monsoon System. PhD Thesis. University of California Los Angeles, 154 pp.

**M.S. THESIS COMMITTEES**

Sun, Z. -P., 1990: Thermal wind and moist convection in the atmosphere of outer planets. University of California, Los Angeles, Department of Atmospheric Sciences, 72 pp.

Chen F., 1993: Interdecadal-to-centennial variability of an idealized North Atlantic Ocean model. University of California, Los Angeles, Department of Atmospheric Sciences.

Dotan, Y., 2000: Storm time precipitation in the loss cone. University of California, Los Angeles, Department of Atmospheric Sciences.

**CURRENT STUDENTS**

Kathleen Schiro (UCLA); Xuan Ji (UCLA, with D. Neelin); Julia Hazel.

**CURRENT POSTDOCS**

Matt Masarik, Anirban Guha, Armineh Barkhodarian (with H. von Storch)

**OTHER TEACHING ACTIVITIES**

Training Program Director (Directeur d'Etage) for 7 students of L’Ecole Polytechnique, Paris: B. Trounday (1992), L. Perthuis and S. Strebelle (1993), Y. Beillon and J. Vandernbussche (1994), Gregoire Kerneis (2000), Nicolas Cuilleron (2002), Edmée Cuisinier (2013).

Supervision of undergraduate students in Center for Academic Research and Excellence (CARE) Program (1995).

UCLA Office of Residential Life: Faculty Fellow, 1994, 1995.

Directed Research: Aida Pintó-Biescas, U. Barcelona, Spring 2009.

**POST DOCS**

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