Alves, O., M. Balmaseda, D. Anderson and T. Stockdale, 2004: Sensitivity of dynamical seasonal forecasts to ocean initial conditions. *Quart. J. Roy. Meteor. Soc*., **130**, 2004, 647-668.

Bacmeister, J. T., P. J. Pegion, S. D. Schubert, and M. J. Suarez, 2000: Atlas of seasonal means simulated by the NSIPP1 atmospheric GCM, *NASA Tech. Memo-2000-104606*, Vol. 17, 194pp.

Barnett, T. P., 1995: Monte-Carlo climate forecasting. *J. Climate*, **8**, 1005-1022.

Barnston, A. G., S. J. Mason, L. Goddard, D. G. DeWitt, and S. E. Zebiak, 2003: Multimodel ensembling in seasonal climate forecasting at IRI. *Bull. Amer. Meteor. Soc*., **84**, 1783-1796.

Barnston, A. G., M. H. Glantz, and Y. He, 1999: Predictive skill of statistical and dynamical climate models in SST forecasts during the 1997-98 El Niño Episode and the 1998 La Niña Onset. *Bull. Amer. Meteor. Soc*., **80**, 217-243.

Barnston, A. G., A. Kumar, L. Goddard, and M. P. Hoerling, 2005: Improving seasonal prediction practices through attribution of climate variability. *Bull. Amer. Meteor. Soc.*, **86**, 59-72.

Camargo, 2006: Western North Pacific typhoon season (p. S39-S40), in State of the Climate in 2005, Karsten A. Shein (editor), *Bull Amer. Meteor. Soc.*, **87**, S1-S102.

Camargo, 2005: Western North Pacific typhoon season (p. S29-S32), in State of the Climate in 2004, David H. Levinson (editor), *Bull. Amer. Meteor. Soc.*, **86**, S1-S86.

Camargo, 2004: Western North Pacific typhoon season (p. S25-S27), in State of the Climate in 2003, David H. Levinson and Anne M. Waple (editors), *Bull. Amer. Meteor. Soc.*, **85**, S1-S72.

Camargo, 2003: Western North Pacific typhoon season (p. S26-S28), in State of the Climate in 2002, Anne M. Waple and Jay H. Lawrimore (editors), *Bull. Amer. Meteor. Soc.*, **84**, S1-S68.

Camargo, S. J., Anthony G. Barnston, and Stephen E. Zebiak, 2005: A Statistical Assessment of Tropical Cyclone Activity in Atmospheric General Circulation Models. *Tellus*, **57A**, 589-604.

Camargo, S. J. and A. H. Sobel, 2004: Formation of tropical storms in an atmospheric general circulation model, *Tellus*, **56A**, 56-67.

Camargo, S. J. and S. E. Zebiak, 2002. Improving the Detection and Tracking of Tropical Cyclones in Atmospheric General Circulation Models, *Wea. Forecast*. **17**, 1152-1162. Summary in Nowcast, Papers of Note, *Bull. Amer. Meteor. Soc.,* **84**,181-182 (2003).

Canizares, R., A. Kaplan, M. A. Cane, D. Chen, and S. E. Zebiak, 2001: Use of data assimilation via linear low-order models for the initialization of El Nino-Southern Oscillation predictions. *J. Geophys. Res.* **106**, 30947-30959.

Chen, D., M. A. Cane, and S. E. Zebiak, 1999. The impact of NSCAT winds on predicting the 1997-98 El Niño: A case study with the Lamont model. *J. Geophys. Res*. **104**, 11321-11327.

Chen, D., M. Cane, S. Zebiak, R. Canizares and A. Kaplan, 2000: Bias correction of an ocean-atmosphere coupled model. *Geophys. Res. Lett.*, **27**, 2585-2588.

Chen, D., W. T. Liu, S. E. Zebiak, M. A. Cane, Y. Kushnir, and D. Witter, 1999: The sensitivity of the tropical Pacific ocean simulation to the temporal and spatial resolution of wind forcing. *J. Geophys. Res*. **104**, 11261-11271.

Davies, R., 1982: Documentation of the solar radiation parameterization in the GLAS climate model. *NASA Tech. Memo. 83961*, 57 pp.

Derber, J., and A. Rosati, 1989: A global oceanic data assimilation system. *J. Phys. Oceanog.*, **19**, 1333-1347.

DeWitt, D. G., 1996: The effect of the cumulus convection scheme on the climate of the COLA general circulation model. *COLA Tech. Rep. 27*, 43 pp.

DeWitt, D. G., and E. K. Schneider, 2006: Diagnosing the annual cycle modes in the tropical Atlantic using a directly coupled atmosphere-ocean GCM. *J. Climate*, **19**, in press.

DeWitt, D. G., 2005: Retrospective forecasts of interannual sea surface temperature anomalies from 1982 to present using a directly coupled atmosphere-ocean general circulation model. *Mon. Wea. Rev*., **133**, 2972-2995.

DeWitt, D.G. and E.K. Schneider, 1999: The processes determining the annual cycle of equatorial sea surface temperature: A coupled general circulation model perspective. *Mon. Wea. Rev*., **127**, 381-395.

Deutsches Klimarechenzentrum, 1992: The ECHAM-3 Atmospheric General Circulation Model. *Tech. Rep. 6*, 189 pp. [Available from the Modellbetreuungsgruppe, Deutsches desstr. 55, Hamburg D-20146, Germany.]

Dickinson, R. E., S. E. Zebiak, J. Anderson, M. Blackmon, C. Delucca, T. Hogan, M. Iredell, M. Ji, N. Rood, M. Suarez, and K. Taylor, 2002: How can we advance our weather and climate models as a community? *Bull. Am. Meteor. Soc.*, **83**, 431-434.

Feddersen, H., A. Navarra and M. N. Ward, 1999: A statistical correction approach for dynamical seasonal predictions. *J. Climate*, **12**, 1974-1989.

Gates, W. L., and Coauthors, 1999: An overview of the Atmospheric Model Intercomparison Project (AMIP I). *Bull. Amer. Meteor. Soc.*, **73**, 1962-1970.

Giannini, A., R. Saravanan and P. Chang, 2005. Dynamics of the boreal summer African monsoon in the NSIPP1 atmospheric model. *Clim. Dyn.*, **25**, 517-535 doi:10.1007/s00382-005-0056-x. Published online: 13 August 2005.

Goddard, L., A. G. Barnston, and S. J. Mason, 2003: Evaluation of the IRI's "Net Assessment" seasonal climate forecasts: 1997-2001. *Bull. Amer. Meteor. Soc.*, **84**, 1761-1781.

Goddard, L. and D. G. DeWitt, 2005: Seeking progress in El Niño Prediction, *U.S. CLIVAR Variations*, Winter 2005, Vol. 3.

Goddard, L., A. Kumar. A. G. Barnston and M. P. Hoerling, 2006: Diagnosis of anomalous winter temperatures over the eastern United States during the 2002/03 El Niño. *J. Climate*, **19**, in press.

Goddard, L., and S. J. Mason, 2002: Sensitivity of seasonal climate forecasts to persisted SST anomalies. *Climate Dyn.*, **19**, 619-632.

Goddard, L., S. J. Mason, S. E. Zebiak, C. F. Ropelewski, R. Basher, and M. A. Cane, 2001: Current approaches to seasonal to interannual climate predictions. *Int. J. Climat.*, **21**, 1111-1152.

Graham, N. E., and S. J. Mason, 2005: A method for ensemble expansion and improved definition of forecast distributions from climate simulations. *Quart. J. Royal Meteorol. Soc.*, **131**, 939-963.

Graham, R., M. Gordon, P. J. McLean, S. Ineson, M. R. Huddleston, M. K. Davey, A. Brookshaw, and R. T. H. Barnes, 2005: A performance comparison of coupled and uncoupled versions of the Met Office seasonal prediction general circulation model. *Tellus*, **57A**, 320-339.

Grimm, A. M., A. K. Sahai, and C. F. Ropelewski, 2006: Inter-decadal variations in AGCM simulation skills. *J. Climate*, **19**, 3406-3418.

Hack, J. J., J. T. Kiehl, and J. W. Hurrell, 1998: The hydrological and thermodynamic characteristics of the NCAR CCM3. *J. Climate*, **11**, 1179-1206.

Hansen, J. W., Potgieter, A. and Tippett, M. K., 2004. Using a general circulation model to forecast regional wheat yields in Northeast Australia. *Agric. and Forest Meteor.*, **127**, 77-92.

Herceg, D., A. H. Sobel, L. Sun, and S. E. Zebiak, 2006: The big brother experiment and seasonal predictability in the NCEP regional spectral model. *Clim. Dyn*., **27**, 69-82.

Honda, M., Y. Kushnir, H. Nakamura, S. Yamane and S.E. Zebiak, 2005. Formation, mechanism and predictability of the Aleutian-Icelandic low seesaw in ensemble AGCM simulations. *J. Climate*, **18**, 1423-1434.

Hurrell, J. W., J. J. Hack, B. A. Boville, D. L Williamson, and J. T. Kiehl, 1998: The dynamical simulation of the NCAR Community Climate Model version 3 (CCM3). *J. Climate*, **11**, 1207-1236.

Japan Meteorological Agency, 2002: Outline of the operational numerical weather prediction at the Japan Meteorological Agency. Appendix, in *WMO Numerical Weather Prediction Progress Report*.

Ji, M., D. W. Behringer, and A. Leetmaa, 1998: An improved coupled model for ENSO prediction and implications for ocean initialization. Part II: The coupled model. *Mon. Wea. Rev.*, **126**, 1022-1034.

Kanamitsu, M., and K. C. Mo, 2003: Dynamical effect of land surface processes on summer precipitation over the southwestern United States. *J. Climate*, **16**, 496-509.

Kang, I. S., and J. S Kug, 2000: An El Nino prediction system using an intermediate ocean and a statistical atmosphere. *Geophys. Res. Lett*., **27**, 1167-1170.

Kiehl, J. T., J. J. Hack, and B. P. Briegleb, 1994: The simulated Earth radiation budget of the National Center for Atmospheric Research community climate model CCM2 and comparisons with the Earth Radiation Budget Experiment (ERBE). *J. Geophys. Res*., **99**, 20815-20827.

Kirtman, B. P., 2003: The COLA anomaly coupled model: Ensemble ENSO prediction. *Mon. Wea. Rev*., **131**, 2324-2341.

Kirtman, B. P., Y. Fan, and E. K. Schneider, 2002: The COLA global coupled and anomaly coupled ocean-atmosphere GCM. *J. Climate*, **15**, 2301-2320.

Kug, J-S., I-S. Kang, and S.E. Zebiak, 2001. The impacts of the model assimilated wind stress data in the initialization of an intermediate ocean and the ENSO predictability. *Geophys. Res. Lett*., **28**, 3713-3716.

Kukla, G., A. C. Clement, M. A. Cane, J. E. Gavin, and S.E. Zebiak, 2002. Last interglacial and early glacial ENSO. *Quaternary Res.*, **58**, 27-31.

Kumar, A., A. G. Barnston, and M. P. Hoerling, 2001: Seasonal predictions, probabilisitc verifications, and ensemble size. *J. Climate*, **14**, 1671-1676.

Kumar, A., A.,G. Barnston, P. Peng, M. P. Hoerling, and L. Goddard, 2000: Changes in the spread of the variability of the seasonal mean atmospheric states associated with ENSO. *J. Climate*, **13**, 3139-3151.

Kumar, A., F. Yang, L. Goddard, and S. Schubert. 2004: Differing trends in the tropical surface temperatures and precipitation over land and oceans. *J. Climate*, **17**, 653-664.

Landman, W. A., S. Botes, L. Goddard, and M. Shongwe, 2005: Assessing the predictability of extreme rainfall seasons over southern Africa. *Geophys. Res. Lett.*, **32**, L23819, doi:10.1029/2005GL023787

Landman, W. A. and L. Goddard, 2005. Predicting southern African summer rainfall using a combination of MOS and perfect prognosis. *Geophys. Res. Lett.*, **32**, L15809, doi:10.1029/2005GL022910.

Landman, W.A. and L. Goddard. 2002: Statistical recalibration of GCM forecasts over southern Africa using model output statistics. *J. Climate*, **15**, 2038-2055.

Landman, W. A., A. Seth and S. J. Camargo, 2005: The Effect of Regional Climate Model Domain Choice on the Simulation of Tropical Cyclone-like Vortices in the Southwestern Indian Ocean, *J. Climate*, **18**, 1263-1274.

Lee, D., Z. Liu and Y. Liu, 2006: Beyond thermal interaction between ocean and atmosphere: On the extratropical climate variability due to the wind-induced SST. *J. Climate*, **19**, submitted.

Lee, D., Z. Liu and Y. Liu, Impact of wind-induced forcing for SST on the extratropical climate variability. AGU Joint Assembly, Baltimore, MD, 23-26 May 2006.

Li, S., and L. Goddard, 2005: Retrospective Forecasts with the ECHAM4.5 AGCM *.IRI Technical Report 05-02*. [http://iri.columbia.edu/outreach/publication/index.html]

Mason, S. J., J. S. Galpin, L. Goddard, N. E. Graham, and B. Rajaratnam, 2006: Conditional exceedance probabilities. *Mon. Wea. Rev.*, **139**, in press.

Mason, S. J., L. Goddard, N. E. Graham, E. Yulaeva, L. Sun, and P. A. Arkin, 1999: The IRI seasonal climate prediction system and the 1997/98 El Niño. *Bull. Amer. Meteor. Soc.*, **80,** 1853-1873.

Moron, V., A. Navarra, M. N. Ward and E. Roeckner, 1998: Skill and reproducibility of seasonal rainfall patterns over tropical land areas in GCM simulations with prescribed SST. *Clim. Dyn.*, **14**, 83-100.

Nobre, P., S. E. Zebiak and B. P. Kirtman, 2003. Local and remote sources of Tropical Atlantic variability as inferred from the results of a hybrid ocean-atmosphere coupled model. *Geophys. Res. Lett.*, **30,** 8008.

Pacanowski, R. C., and S. M. Griffes, 1998: *MOM 3.0 manual*. NOAA/Geophysical Fluid Dynamics Laboratory, Princeton, NJ, 608 pp.

Palmer, T. N., C. Brankovic, and D. S. Richardson, 2000: A probability and decision-model analysis of PROVOST seasonal multi-model ensemble integrations. *Quart. J. Roy. Meteor. Soc.*, **127**, 279-304.

Pegion, P., S. Schubert, and M. J. Suarez, 2000: An Assessment of the Predictability of Northern Winter Seasonal Means with the NSIPP1 AGCM. *NASA Tech. Memo-2000-104606*, Vol. 18, 100pp.

Peng, P., A. Kumar, A. G. Barnston, and L. Goddard, 2000: Simulation skills of the SST-forced global climate variability of the NCEP-MRF9 and the Scripps-MPI ECHAM3 models. *J. Climate,* **13**, 3657-3679.

Pierce, D. W., 1996: "The Hybrid Coupled Model, Version 3: Technical Notes". *Scripps Institution of Oceanography Reference Series No. 96-27*. August, 1996.

Qian, J.-H., and A. Kasahara, 2003: Nonhydrostatic atmospheric normal modes on beta-planes. *Pure Appl. Geophys.*, **160**, 1315-1358.

Qian, J.-H., A. Seth, and S. Zebiak, 2003: Reinitialized versus continuous simulations for regional climate downscaling. *Mon. Wea. Rev.*, **131**, 2857-2874.

Qian, J.-H., W.-K. Tao, and K.-M. Lau, 2004: Mechanisms for torrential rain associated with the Mei-Yu development during SCSMEX-1998. *Mon. Wea. Rev.*, **132**, 3-27.

Rajagopalan, B., U. Lall, and S. E. Zebiak, 2002: Categorical climate forecasts through regularization and optimal combination of multiple GCM ensembles. *Mon. Wea. Rev.*, **130**, 1792-1811.

Rauscher, S. A., A. Seth, J-H Qian, and S. J. Camargo, 2006. Domain choice in an experimental nested modeling prediction system for South America, *Theor. and Appl. Climatol.*, DOI 10.1007/s00704-006-0206-z.

Rauscher, S. A., A. Seth, J. H. Qian, and S. J. Camargo, 2007: Subseasonal statistics from nested model climatology for South America: rainy season onset, dry and wet spells. *Mon. Wea Rev.*, **135**, in review.

Roads, J., S. Chen, L. Druyan, M. Fulakeza, S. Cocke, T. Larrow, J.-H. Qian, and S. Zebiak, 2003: International Research Institute/Applied Research Centers (IRI/ARCs) regional model intercomparison over South America. *J. Geophys. Res.*, **108**(D14), 4425;

doi:10.1029/2002JD003201.

Robertson, A. W., S. Kirshner, and P. Smyth, 2004: Downscaling of daily rainfall occurrence over northeast Brazil using a hidden Markov model. *J. Climate*, **17**, 4407-4424.

Robertson, A. W., U. Lall, S. E. Zebiak and L. Goddard, 2004: Improved combination of multiple atmospheric GCM ensembles for seasonal prediction *Mon. Wea. Rev*., **132**, 2732-2744.

Roeckner, E., and Coauthors, 1996: The atmospheric general circulation model ECHAM4: Model description and simulation of present day climate. Rep. 218, Max-Planck-Institut fur Meteorologie, 90 pp. [Available from MPI fur Meteorologie, Bundesstr. 55, 20146 Hamburg, Germany.].

Saha, S., S. Nadiga, C. Thiaw, J. Wang, W. Wang, Q. Zhang, H. M. van den Dool, H.-L. Pan, S. Moorthi, D. Behringer, D. Stokes, M. Pena, S. Lord, G. White, W. Ebisuzaki, P. Peng, and P. Xie , 2006: The NCEP Climate Forecast System. *J. Climate*, **19**, 3483-3517.

Sarachik, E., S. E. Zebiak, et al., 2001. Improving the Effectiveness of United States Climate Modeling. *National Academy Press*, Washington, DC.

Sardeshmukh, P.D., G. P. Compo, and C. Penland, 2000: Changes of probability associated with El Nino. *J. Climate*, **13**, 4268-4286.

Schneider, E. K., D. G. DeWitt, A. Rosati, B. P. Kirtman, L. Ji, and J. J. Tribbia, 2003: Retrospective ENSO forecasts: Sensitivity to atmospheric model and ocean resolution. *Mon. Wea. Rev*., **131**, 3038-3060.

Seager, R., A. R. Karspeck, M. A. Cane, Y. Kushnir, A. Giannini, A. Kaplan, B. Kerman and J. Velez, 2004. Predicting Pacific Decadal variability. In Earth climate. The ocean-atmosphere interaction, C. Wang, S.-P. Xie and J. A. Carton, Eds. *AGU Geophysical Monograph*, **147**, 105-120. American Geophysical Union.

Seth, A., M. Rojas, B. Liebmann, and J.-H. Qian, 2004: Daily rainfall analysis for South America from a regional climate model and station observations. *Geophy. Res. Lett.*, **31**, L07213; doi:10.1029/2003GL019220.

Shaman, J., J. F. Day, M. Stieglitz, S. E. Zebiak, and M. Cane, 2004: A seasonal forecast of St. Louis encephalitis transmission in Florida. *Emerg. Infectious Diseases*, **10**, 802-809.

Shaman, J., M. Stieglitz, S. E. Zebiak and M. Cane, 2003: A local forecast of land surface wetness conditions derived from seasonal climate predictions. *J. Hydrometeor*., **4**: 611-626.

Stockdale, T. N., D. L. T. Anderson, J. O. S. Alves, and M. A. Balmaseda, 1998: Global seasonal rainfall forecasts using a coupled ocean-atmosphere model. *Nature*, **392**, 370-373.

Sun, L. Q., D. F. Moncunill, H. L. Li, A. D. Moura, and F. D. De Souza, 2005: Climate downscaling over Nordeste, Brazil, using the NCEP RSM97. *J. Climate*, **18**, 551-567.

Sun, L., D. F. Moncunill, H. Li, A. D. Moura, F. A. S. Filho, and S. E. Zebiak, 2006: An operational dynamical downscaling prediction system for Nordeste Brazil and the 2002-04 real-time forecast validation. *J. Climate*, **19**, 1990-2007.

Tao, W.-K., Y. Wang, J.-H. Qian, C.-L. Shie, K.-M. Lau, and R. Kakar, 2003: Mesoscale convective systems during SCSMEX: Simulations with a regional climate model and a cloud-resolving model. In *Weather and Climate Modeling*, INDO-US Science and Technology Forum, Eds: V. Singh, S. Basu, and T.N. Krishnamurti, 77-92.

Thomson, M. C., F. J. Doblas-Reyes, S. J. Mason, R. Hagedorn, S. J. Connor, T. Phindela, A. P. Morse, and T. N. Palmer, 2006: Multi-model ensemble seasonal climate forecasts for malaria early warning. *Nature*, **439**, 576-579.

Thomson, M. C., S. J. Mason, T. Phindela, and S. J. Connor, 2005: Use of rainfall and sea surface temperature monitoring for malaria early warning in Botswana. *Amer. J. Tropical Med. and Hygiene*, **73**, 214-221.

Tippett, M. K., 2006. Filtering of GCM simulated Sahel precipitation, *Geophys. Res. Lett.,* **33**, L01804, doi:10.1029/2005GL024923.

Tippett, M. K., Barlow, M. and Lyon, B., 2003. Statistical correction of Central Southwest Asia winter precipitation simulations, *Int. J. Climatol*., **23**, 1421-1433.

Tippett, M. K., and Giannini, A., 2006. Potentially predictable components of African summer rainfall in an SST-forced GCM simulation, *J. Climate*, **19**, 3133-3144.

Tippett, M. K., Goddard, L. and Barnston, A. G., 2005. Statistical-Dynamical Seasonal Forecasts of Central Southwest Asia winter precipitation, *J. Climate*, **18**, 1831-1843.

Tippett, M. K., Kleeman, R. and Tang, Y., 2004. Measuring the potential utility of seasonal climate predictions, *Geophys. Res. Lett*., L22201, doi:10.1029/2004GL021575.

Trenberth, K. E., G. W. Branstator, D. Karoly, A. Kumar, N.-C. Lau, and C. F. Ropelewski, 1998: Progress during TOGA in understanding and modeling global teleconnections associated with tropical sea surface temperature. *J. Geophy. Res*., **103**, 14291-14324.

Troccoli, A., M. M. Rienecker, C. L. Keppenne, and G. C. Johnson, 2003: Temperature data assimilation with salinity corrections: Validation for the NSIPP Ocean Data

Assimilation System in the tropical Pacific Ocean, 1993-1998, *NASA Tech. Memo-2003-1046-6*, Vol. 24, 23pp.

Van Oldenborgh, G. J., M. A. Balmaseda, L. Ferranti, T. N. Stockdale, and D. L. T. Anderson, 2005: Evaluation of atmospheric fields from the ECMWF seasonal forecasts over a 15-year period. *J. Climate*, **18**, 3250-3269.

Vialard, J., F. Vitart, M. A. Balmaseda, T. N. Stockdale, and D. L. T. Anderson, 2005: An ensemble generation method for seasonal forecasting with an ocean-atmosphere coupled model. *Mon. Wea. Rev*., **133**, 441-453.

Waple, A. M., J.H. Lawrimore, M.S. Halpert, G.D. Bell, W. Higgins, B. Lyon, M.J. Menne, K.L. Gleason, R.C. Schnell, J.R. Christy, W. Thiaw, W.J. Wright, M.J. Salinger, L. Alexander, R.S. Stone, and S. J. Camargo, 2002. Climate Assessment for 2001. *Bull. Amer. Meteor. Soc.*, **83**, S1-S62.

Ward, M. N., and A. Navarra, 1997: Pattern analysis of SST-forced variability in ensemble GCM simulations: Examples over Europe and the tropical pacific. *J. Climate*, **10**, 2210-2220.

Zebiak, S. E., and M. A. Cane, 1987: A model El-Nino Southern Oscillation. *Mon. Wea. Rev*., **115**, 2262-2278.

Zebiak, S. E., 2003. Research potential for improvements in climate prediction. *Bull. Amer. Met. Soc*., **84**, 1692-1696.

Zebiak, S. E., 1999. El Niño and the Science of Climate Prediction. In *Consequences,* 5: 3-15.

Zhang, R.-H., and D. G. DeWitt, 2006: Response of interannual variability to decadal entrainment temperature change in a hybrid coupled model. *Geopys. Res. Lett*. , **33**, doi:10.1029/2005GL025286.

Zhang, R-H., T. Kagimoto, and S.E. Zebiak, 2001: Subduction of decadal North Pacific thermal anomalies in an ocean GCM. *Geophys. Res. Lett*., **28**, 2449-2452.

Zhang, R.-H., R. Kleeman, S.E. Zebiak, N. Keenlyside, and S. Raynaud, 2005. An empirical parameterization of subsurface entrainment temperature for improved SST simulations in an intermediate ocean model. *J. Climate*, **18**, 350-371.

Zhang, R-H. and S.E. Zebiak, 2002: Effect of penetrating momentum flux over the surface boundary/mixed layer in a z-coordinate OGCM of the Tropical Pacific. *J. Phys. Oceanogr.*, **32**, 3616-3637.

Zhang, R.-H., and S. E. Zebiak, 2003: Embedding a SST anomaly model into a z-coordinate oceanic GCM for producing El Nino oscillation in the tropical Pacific climate system. *Geophys. Res. Lett.*, **30**, 1176.

Zhang, R.-H., and S. E. Zebiak, 2004: An embedding method for improving interannual variability simulations in a hybrid coupled model of the tropical Pacific ocean-atmosphere system. *J. Climate*, **17**, 2794-2812.

Zhang, R.-H., S. E. Zebiak, R. Kleeman and N. Keenlyside, 2005. Retrospective El Nino forecasts using an improved intermediate coupled model. *Mon. Wea. Rev.*, **133**, 2777-2802.

Zhang, R.-H., S. E. Zebiak, R. Kleeman, and N. Keenlyside, 2003: A new intermediate coupled model for El Nino simulation and prediction. *Geophys. Res. Lett.*, **30**,2012. doi:10.1029/2003GL018010.

Zhong, A., H.H. Hendon, and O. Alves, 2005: Indian Ocean variability and its association with ENSO in a global coupled model. *J. Climate*, **18**, 3634-3649.