

## GPCP Master Citation List

George J. Huffman

Last Update: 31 July 2010

### 2010

- Allan RP, Soden BJ, John VO, Ingram W, Good P, 2010, Current changes in tropical precipitation, *Environ. Res. Lett.*, **5**(2), art. no. 025205
- Andersson A, Bakan S, Grassl H, 2010, Satellite derived precipitation and freshwater flux variability and its dependence on the North Atlantic Oscillation, *Tellus Ser. A-Dynam. Meteor. Oceanog.*, **62**(4), 453-468
- Annan JD, Hargreaves JC, 2010, Reliability of the CMIP3 ensemble, *Geophys. Res. Lett.*, **37**, art. no. L02703
- Bao Q, Liu YM, Shi JC, Wu GX, 2010, Comparisons of soil moisture datasets over the Tibetan Plateau and application to the simulation of Asia summer monsoon onset, *Adv. in Atmos. Sci.*, **27**(2), 303-314
- Becker M, Llovel W, Cazenave A, Guntner A, Cretaux JF, 2010, Recent hydrological behavior of the East African great lakes region inferred from GRACE, satellite altimetry and rainfall observations, *Compt. Rend. Geosci.*, **342**(3), 223-233
- Behrangi A, Hsu K, Imam B, Sorooshian S, 2010, Daytime Precipitation Estimation Using Bispectral Cloud Classification System, *J. Appl. Meteor. Climatol.*, **49**(5), 1015-1031
- Belmadani A, Dewitte B, An SI, 2010, ENSO Feedbacks and Associated Time Scales of Variability in a Multimodel Ensemble, *J. Climate*, **23**(12), 3181-3204
- Bengtsson L, 2010, The global atmospheric water cycle, *Environ. Res. Lett.*, **5**(2), art. no. 025002
- Berg W, L'Ecuyer T, Haynes JM, 2010, The Distribution of Rainfall over Oceans from Spaceborne Radars, *J. Appl. Meteor. Climatol.*, **49**(3), 535-543
- Berges JC, Jobard I, Chopin F, Roca R, 2010, EPSAT-SG: a satellite method for precipitation estimation; its concepts and implementation for the AMMA experiment, *Annal. Geophys.*, **28**(1), 289-308
- Bielli S, Roca R, 2010, Scale decomposition of atmospheric water budget over West Africa during the monsoon 2006 from NCEP/GFS analyses, *Climate Dynam.*, **35**(1), Special Issue SI, 143-157
- Boone AA, Pocard-Leclercq I, Xue YK, Feng JM, de Rosnay P, 2010, Evaluation of the WAMME model surface fluxes using results from the AMMA land-surface model intercomparison project, *Climate Dynam.*, **35**(1), Special Issue SI, 127-142
- Brodeau L, Barnier B, Treguier AM, Penduff T, Gulev S, 2010, An ERA40-based atmospheric forcing for global ocean circulation models, *Ocean Modelling*, **31**(3-4), 88-104
- Buehner M, Houtekamer PL, Charette C, Mitchell HL, He B, 2010, Intercomparison of Variational Data Assimilation and the Ensemble Kalman Filter for Global Deterministic NWP. Part II: One-Month Experiments with Real Observations, *Mon. Wea. Rev.*, **138**(5), 1567-1586
- Chiodo G, Haimberger L, 2010, Interannual changes in mass consistent energy budgets from ERA-Interim and satellite data, *J. Geophys. Res.-Atmos.*, **115**, art. no. D02112
- Chiu LS, Chokngamwong R, 2010, Microwave Emission Brightness Temperature Histograms (METH) Rain Rates for Climate Studies: Remote Sensing Systems SSM/I Version-6 Results, *J. Appl. Meteor. Climatol.*, **49**(1), 115-123

- de Coetlogon G, Janicot S, Lazar A, 2010, Intraseasonal variability of the ocean - atmosphere coupling in the Gulf of Guinea during boreal spring and summer, *Quart. J. Roy. Meteor. Soc.*, **136**, Special Issue SI Suppl. 1, 426-441
- Deng XZ, Huang JK, Qiao FB, Naylor RL, Falcon WP, Burke M, Rozelle S, Battisti D, 2010, Impacts of El Nino-Southern Oscillation events on China's rice production, *J. Geograph. Sci.*, **20**(1), 3-16
- Druyan LM, Feng JM, Cook KH, Xue YK, Fulakeza M, Hagos SM, Konare A, Moufouma-Okia W, Rowell DP, Vizy EK, Ibrah SS, 2010, The WAMME regional model intercomparison study, *Climate Dynam.*, **35**(1), Special Issue SI, 175-192
- Feidas H, 2010, Validation of satellite rainfall products over Greece, *Theor. Appl. Climatol.*, **99**(1-2), 193-216
- Ferguson IM, Dracup JA, Duffy PB, Pegion P, Schubert S, 2010, Influence of SST Forcing on Stochastic Characteristics of Simulated Precipitation and Drought, *J. Hydrometeor.*, **11**(3), 754-769
- Fontaine B, Garcia-Serrano J, Roucou P, Rdriguez-Fonseca B, Losada T, Chauvin F, Gervois S, Sijikumar S, Ruti P, Janicot S, 2010, Impacts of warm and cold situations in the Mediterranean basins on the West African monsoon: observed connection patterns (1979-2006) and climate simulations, *Climate Dynam.*, **35**(1), Special Issue SI, 95-114
- Gimeno L, Nieto R, Trigo RM, Vicente-Serrano SM, Lopez-Moreno JI, 2010, Where Does the Iberian Peninsula Moisture Come From? An Answer Based on a Lagrangian Approach, *J. Hydrometeor.*, **11**(2), 421-436
- Hashimoto H, Melton F, Ichii K, Milesi C, Wang WL, Nemani RR, 2010, Evaluating the impacts of climate and elevated carbon dioxide on tropical rainforests of the western Amazon basin using ecosystem models and satellite data, *Global Change Biol.*, **16**(1), 255-271
- Helmke P, Neuer S, Lomas MW, Conte M, Freudenthal T, 2010, Cross-basin differences in particulate organic carbon export and flux attenuation in the subtropical North Atlantic gyre, *Deep-Sea Res. Part I-Oceanog. Res. Pap.*, **57**(2), 213-227
- Hoerling M, Eischeid J, Perlwitz J, 2010, Regional Precipitation Trends: Distinguishing Natural Variability from Anthropogenic Forcing, *J. Climate*, **23**(8), 2131-2145
- Hourdin F, Musat I, Guichard F, Ruti PM, Favot F, Filiberti MA, Pham M, Grandpeix JY, Polcher J, Marquet P, Boone A, Lafore JP, Redelsperger JL, Dell'aquila A, Doval TL, Traore AK, Gallee H, 2010, AMMA-Model Intercomparison Project, *Bull. Amer. Meteor. Soc.*, **91**(1), 95-104
- Huang BY, Mehta VM, 2010, Influences of Freshwater from Major Rivers on Global Ocean Circulation and Temperatures in the MIT Ocean General Circulation Model, *Adv. Atmos. Sci.*, **27**(3), 455-468
- Huang L, Gong SL, Sharma S, Lavoue D (Lavoue, D.)<sup>1</sup>, Jia CQ, 2010, A trajectory analysis of atmospheric transport of black carbon aerosols to Canadian high Arctic in winter and spring (1990-2005), *Atmos. Chem. Phys.*, **10**(11), 5065-5073
- Klepp C, Bumke K, Bakan S, Bauer P, 2010, Ground validation of oceanic snowfall detection in satellite climatologies during LOFZY, *Tellus Ser. A-Dynam. Meteor. Oceanog.*, **62**(4), 469-480
- Le Page Y, Oom D, Silva JMN, Jonsson P, Pereira JMC, 2010, Seasonality of vegetation fires as modified by human action: observing the deviation from eco-climatic fire regimes, *Global Ecol. Biogeog.*, **19**(4), 575-588

- Li YF, Xiao ZN, Ju JH, Hu GQ, 2010, The variations of dominant convection modes over Asia, Indian Ocean, and western Pacific Ocean during the summers of 1997-2004, *Adv. Atmos. Sci.*, **27**(4), 901-920
- Lin JL, Shinoda T, Qian TT, Han WQ, Roundy P, Zheng YX, 2010, Intraseasonal Variation of Winter Precipitation over the Western United States Simulated by 14 IPCC AR4 Coupled GCMs, *J. Climate*, **23**(11), 3094-3119
- Losch M, Menemenlis D, Campin JM, Heimbach P, Hill C, 2010, On the formulation of sea-ice models. Part 1: Effects of different solver implementations and parameterizations, *Oc.Modelling*, **33**(1-2), 129-144
- Lu C, Yuan H, Tollerud EI, Wang N, 2010, Scale-Dependent Uncertainties in Global QPFs and QPEs from NWP Model and Satellite Fields, *J. Hydrometeor.*, **11**(1), 139-155
- Mariotti A, 2010, Recent Changes in the Mediterranean Water Cycle: A Pathway toward Long-Term Regional Hydroclimatic Change?, *J. Climate*, **23**(6), 1513-1525
- Materia S, Dirmeyer PA, Guo ZC, Alessandri A, Navarra A, 2010, The Sensitivity of Simulated River Discharge to Land Surface Representation and Meteorological Forcings, *J. Hydrometeor.*, **11**(2), 334-351
- McSweeney C, New M, Lizcano G, Lu X, 2010, The UNDP Climate Change Country Profiles Improving the accessibility of Observed and Projected Climate Information for Studies of Climate Change in Developing Countries, *Bull. Amer. Meteor. Soc.*, **91**(2), 157-166
- Medvigy D, Walko RL, Otte MJ, Avissar R, 2010, The Ocean-Land-Atmosphere-Model: Optimization and Evaluation of Simulated Radiative Fluxes and Precipitation, *Mon. Wea. Rev.*, **138**(5), 1923-1939
- Mishra A, Gairola RM, Varma AK, Agarwal VK, 2010, Remote sensing of precipitation over Indian land and oceanic regions by synergistic use of multisatellite sensors, *J. Geophys. Res.-Atmos.*, **115**, art. no. D08106
- Moufouma-Okia W, Rowell DP, 2010, Impact of soil moisture initialisation and lateral boundary conditions on regional climate model simulations of the West African Monsoon, *Climate Dynam.*, **35**(1), Special Issue SI, 213-229
- Nezlin NP, Polikarpov IG, Al-Yamani FY, Rao DVS, Ignatov AM, 2010, Satellite monitoring of climatic factors regulating phytoplankton variability in the Arabian (Persian) Gulf, *J. Marine Sys.*, **82**(1-2), 47-60
- Nikolopoulos EI, Anagnostou EN, Hossain F, Gebremichael M, Borga M, 2010, Understanding the Scale Relationships of Uncertainty Propagation of Satellite Rainfall through a Distributed Hydrologic Model, *J. Hydrometeor.*, **11**(2), 520-532
- Niyogi D, Kishtawal C, Tripathi S, Govindaraju RS, 2010, Observational evidence that agricultural intensification and land use change may be reducing the Indian summer monsoon rainfall, *Water Resources Res.*, **46**, art. no. W03533
- Orlandi E, Fierli F, Davolio S, Buzzi A, Drofa O, 2010, A nudging scheme to assimilate satellite brightness temperature in a meteorological model: Impact on representation of African mesoscale convective systems, *Quart. J. Roy. Meteor. Soc.*, **136**(647), 462-474, Part B
- Papa F, Prigent C, Aires F, Jimenez C, Rossow WB, Matthews E, 2010, Interannual variability of surface water extent at the global scale, 1993-2004, *J. Geophys. Res.-Atmos.*, **115**, art. no. D12111
- Park S, Hong SY, Byun YH, 2010, Precipitation in Boreal Summer Simulated by a GCM with Two Convective Parameterization Schemes: Implications of the Intraseasonal Oscillation for Dynamic Seasonal Prediction, *J. Climate*, **23**(10), 2801-2816

- Patricola CM, Cook KH, 2010, Northern African climate at the end of the twenty-first century: an integrated application of regional and global climate models, *Climate Dynam.*, **35**(1), Special Issue SI, 193-212
- Peled E, Dutra E, Viterbo P, Angert A, 2010, Technical Note: Comparing and ranking soil drought indices performance over Europe, through remote-sensing of vegetation, *Hydrol. Earth Sys. Sci.*, **14**(2), 271-277
- Pisnichenko IA, Tarasova TA, 2010, Climate version of the ETA regional forecast model, *Theor. Appl. Climatol.*, **99**(3-4), 255-272
- Prigent C, 2010, Precipitation retrieval from space: An overview, *Compt. Rend. Geosci.*, **342**(4-5), Special Issue SI, 380-389
- Raj P, Hossain F, 2010, Forensic Analysis of Accumulation of Rainfall Error in Hydrologic Models, *Environ. Forensics*, **11**(1-2), 168-178
- Reboita MS, da Rocha RP, Ambrizzi T, Caetano E, 2010, An assessment of the latent and sensible heat flux on the simulated regional climate over Southwestern South Atlantic Ocean, *Climate Dynam.*, **34**(6), 873-889
- Risi C, Bony S, Vimeux F, Jouzel J, 2010, Water-stable isotopes in the LMDZ4 general circulation model: Model evaluation for present-day and past climates and applications to climatic interpretations of tropical isotopic records, *J. Geophys. Res.-Atmos.*, **115**, art. no. D12118
- Roca R, Chambon P, Jobard I, Kirstetter PE, 2010, Comparing Satellite and Surface Rainfall Products over West Africa at Meteorologically Relevant Scales during the AMMA Campaign Using Error Estimates, *J. Appl. Meteor. Climatol.*, **49**(4), 715-731
- Rupp AJ, Bailey BA, Shen SSP, Lee CK (Lee, Christine K.)1, Strachan BS, 2010, An error analysis for the hybrid gridding of Texas daily precipitation data, *Internat. J. Climatol.*, **30**(4), 601-611
- Sampe T, Xie SP, 2010, Large-Scale Dynamics of the Meiyu-Baiu Rainband: Environmental Forcing by the Westerly Jet, *J. Climate*, **23**(1), 113-134
- Sapiano MRP, Janowiak JE, Smith TM, Arkin PA, Xie P, Lee H, 2010, Corrections for Temporal Discontinuities in the OPI, *J. Atmos. Oceanic Technol.*, **27**(3), 457-469
- Seneviratne SI, Corti T, Davin EL, Hirschi M, Jaeger EB, Lehner I, Orlowsky B, Teuling AJ, 2010, Investigating soil moisture-climate interactions in a changing climate: A review, *Earth-Sci. Rev.*, **99**(3-4), 125-161
- Simmons AJ, Willett KM, Jones PD, Thorne PW, Dee DP, 2010, Low-frequency variations in surface atmospheric humidity, temperature, and precipitation: Inferences from reanalyses and monthly gridded observational data sets, *J. Geophys. Res.*, **115**, art. no. D01110
- Singh P, Nakamura K, 2010, Diurnal variation in summer monsoon precipitation during active and break periods over central India and southern Himalayan foothills, *J. Geophys. Res.-Atmos.*, **115**, art. no. D12122
- Sohn BJ, Han HJ, Seo EK, 2010, Validation of Satellite-Based High-Resolution Rainfall Products over the Korean Peninsula Using Data from a Dense Rain Gauge Network, *J. Appl. Meteor. Climatol.*, **49**(4), 701-714
- Song JH, Kang HS, Byun YH, Hong SY, 2010, Effects of the Tibetan Plateau on the Asian summer monsoon: a numerical case study using a regional climate model, *Internat. J. Climatol.*, **30**(5), 743-759

- Souma K, Wang YQ, 2010, A comparison between the effects of snow albedo and infiltration of melting water of Eurasian snow on East Asian summer monsoon rainfall, *J. Geophys. Res.-Atmos.*, **115**, art. no. D02115
- Stisen S, Sandholt I, 2010, Evaluation of remote-sensing-based rainfall products through predictive capability in hydrological runoff modelling, *Hydrolog. Processes*, **24**(7), 879-891
- Sugiyama M, Shiogama H, Emori S, 2010, Precipitation extreme changes exceeding moisture content increases in MIROC and IPCC climate models, *Proc. Nat. Acad. Sci. U.S.A.*, **107**(2), 571-575
- Sun XM, Barros AP, 2010, An Evaluation of the Statistics of Rainfall Extremes in Rain Gauge Observations, and Satellite-Based and Reanalysis Products Using Universal Multifractals, *J. Hydrometeor.*, **11**(2), 388-404
- Sun Y, Ding YH, 2010, A projection of future changes in summer precipitation and monsoon in East Asia, *Sci. China-Earth Sci.*, **53**(2), 284-300
- Surugiu V, Revkov N, Todorova V, Papageorgiou N, Valavanis V, Arvanitidis C, 2010, Spatial patterns of biodiversity in the Black Sea: An assessment using benthic polychaetes, *Estuar. Coastal Shelf Sci.*, **88**(2), 165-174
- Swenson S, 2010, Assessing High-Latitude Winter Precipitation from Global Precipitation Analyses Using GRACE, *J. Hydrometeor.*, **11**(2), 405-420
- Sylla MB, Coppola E, Mariotti L, Giorgi F, Ruti PM, Dell'Aquila A, Bi X, 2010, Multiyear simulation of the African climate using a regional climate model (RegCM3) with the high resolution ERA-interim reanalysis, *Climate Dynam.*, **35**(1), Special Issue SI, 231-247
- Tanguy Y, Arnault S, Lattes P, 2010, Isothermal, mixed, and barrier layers in the subtropical and tropical Atlantic Ocean during the ARAMIS experiment, *Deep-Sea Res. Part I-Oceanog. Res. Pap.*, **57**(4), 501-517
- Taniguchi K, Rajan D, Koike T, 2010, Effect of the variation in the lower tropospheric temperature on the wind onset of the Indian summer monsoon, *Meteor. Atmos. Physics*, **106**(1-2), 75-94
- Tapiador FJ, 2010, A Joint Estimate of the Precipitation Climate Signal in Europe Using Eight Regional Models and Five Observational Datasets, *J. Climate*, **23**(7), 1719-1738
- Tartaglione N, 2010, Relationship between Precipitation Forecast Errors and Skill Scores of Dichotomous Forecasts, *Wea. Forecasting*, **25**(1), 355-365
- Toma VE, Webster PJ, 2010, Oscillations of the Intertropical Convergence Zone and the genesis of easterly waves Part II: numerical verification, *Cli. Dynam.*, **34**(4), 605-613
- Tompkins AM, Feudale L, 2010, Seasonal Ensemble Predictions of West African Monsoon Precipitation in the ECMWF System 3 with a Focus on the AMMA Special Observing Period in 2006, *Wea. Forecasting*, **25**(2), 768-788
- Tosca MG, Randerson JT, Zender CS, Flanner MG, Rasch PJ, 2010, Do biomass burning aerosols intensify drought in equatorial Asia during El Nino?, *Atmos. Chem. Phys.*, **10**(8), 3515-3528
- Tromeur E, Rossow WB, 2010, Interaction of Tropical Deep Convection with the Large-Scale Circulation in the MJO, *J. Climate*, **23**(7), 1837-1853
- Turk FJ, Mostovoy GV, Anantharaj VG, 2010, Soil Moisture Sensitivity to NRL-Blend High-Resolution Precipitation Products: Analysis of Simulations With Two Land Surface Models, *IEEE J. Sel. Topics Appl. Earth Obs. Rem. Sens.*, **3**(1), 32-48
- Varikoden H, Samah AA, Babu CA, 2010, The cold tongue in the South China Sea during boreal winter and its interaction with the atmosphere, *Adv. in Atmos. Sci.*, **27**(2), 265-273

- Vasconcellos FC, Cavalcanti IFA, 2010, Extreme precipitation over Southeastern Brazil in the austral summer and relations with the Southern Hemisphere annular mode, *Atmos. Sci. Lett.*, **11**(1), 21-26
- Vila D, Ferraro R, Semunegus H, 2010, Improved Global Rainfall Retrieval Using the Special Sensor Microwave Imager (SSM/I), *J. Appl. Meteor. Climatol.*, **49**(5), 1032-1043
- Wang YC, Tung WW, 2010, Impacts of cloud-system resolving regional modeling on the simulation of monsoon depressions, *Geophys. Res. Lett.*, **37**, art. no. L08806
- Watterson IG, 2010, Relationships between southeastern Australian rainfall and sea surface temperatures examined using a climate model, *J. Geophys. Res.-Atmos.*, **115**, art. no. D10108
- Wei JF, Dirmeyer PA, Guo ZC, 2010, How Much Do Different Land Models Matter for Climate Simulation? Part II: A Decomposed View of the Land-Atmosphere Coupling Strength, *J. Climate*, **23**(11), 3135-3145
- Wei JF, Dirmeyer PA, Guo ZC, Zhang L, Misra V, 2010, How Much Do Different Land Models Matter for Climate Simulation? Part I: Climatology and Variability, *J. Climate*, **23**(11), 3120-3134
- Williams CJR, Kniveton DR, Layberry R, 2010, Idealized SST anomaly regional climate model experiments: A note of caution, *Progress in Phys. Geog.*, **34**(1), 59-74
- Williams CJR, Kniveton DR, Layberry R, 2010, Assessment of a climate model to reproduce rainfall variability and extremes over Southern Africa, *Theor. Appl. Climatol.*, **99**(1-2), 9-27
- Wisser D, Fekete BM, Vorosmarty CJ, Schumann AH, 2010, Reconstructing 20th century global hydrography: a contribution to the Global Terrestrial Network- Hydrology (GTN-H), *Hydrol. Earth Sys. Sci.*, **14**(1), 1-24
- Wu TW, Yu RC, Zhang F, Wang ZZ, Dong M, Wang LN, Jin X, Chen DL, Li L, 2010, The Beijing Climate Center atmospheric general circulation model: description and its performance for the present-day climate, *Cli. Dynam.*, **34**(1), 123-147
- Xavier L, Becker M, Cazenave A, Longuevergne L, Llovel W, Rotunno OC, 2010, Interannual variability in water storage over 2003-2008 in the Amazon Basin from GRACE space gravimetry, in situ river level and precipitation data, *Rem. Sens. Environ.*, **114**(8), 1629-1637
- Yilmaz MT, DelSole T, 2010, Predictability of Seasonal Precipitation Using Joint Probabilities, *J. Hydrometeor.*, **11**(2), 533-541
- Yilmaz MT, Houser P, Shrestha R, Anantharaj VG, 2010, Optimally Merging Precipitation to Minimize Land Surface Modeling Errors, *J. Appl. Meteor. Climatol.*, **49**(3), 415-423
- Yin XG, Gruber A, 2010, Validation of the abrupt change in GPCP precipitation in the Congo River Basin, *Internat. J. Climatol.*, **30**(1), 110-119
- Yoon JH, Zeng N, 2010, An Atlantic influence on Amazon rainfall, *Cli. Dynam.*, **34**(2-3), 249-264
- Yu LS, 2010, On Sea Surface Salinity Skin Effect Induced by Evaporation and Implications for Remote Sensing of Ocean Salinity, *J. Phys. Oceanog.*, **40**(1), 85-102
- Zhang XL, Forbes JM, Hagan ME, 2010, Longitudinal variation of tides in the MLT region: 2. Relative effects of solar radiative and latent heating, *J. Geophys. Res.-Space Phys.*, **115**, art. no. A06317
- Zhao C, Wang YH, Yang Q, Fu R, Cunnold D, Choi Y, 2010, Impact of East Asian summer monsoon on the air quality over China: View from space, *J. Geophys. Res.-Atmos.*, **115**, art. no. D09301
- Zuluaga MD, Hoyos CD, Webster PJ, 2010, Spatial and Temporal Distribution of Latent Heating in the South Asian Monsoon Region, *J. Climate*, **23**(8), 2010-2029

Zveryaev II, Allan RP, 2010, Summertime precipitation variability over Europe and its links to atmospheric dynamics and evaporation, *J. Geophys. Res.-Atmos.*, **115**, art. no. D12102

## 2009

- Abe M, Shiogama H, Hargreaves JC, Annan JD, Nozawa T, Emori S, 2009, Correlation between Inter-Model Similarities in Spatial Pattern for Present and Projected Future Mean Climate, *SOLA*, **5**, 133-136
- Adler RF, Wang JJ, Gu GJ, Huffman GJ, 2009, A Ten-Year Tropical Rainfall Climatology Based on a Composite of TRMM Products, *J. Meteor. Soc. Japan*, **87**, Special Issue SI, 281-293
- Alton P, Fisher R, Los S, Williams M, 2009, Simulations of global evapotranspiration using semiempirical and mechanistic schemes of plant hydrology, *Global Biogeochem. Cycles*, **23**, art. no. GB4023
- Arraut JM, Satyamurty P, 2009, Precipitation and Water Vapor Transport in the Southern Hemisphere with Emphasis on the South American Region, *J. Appl. Meteor. Climatol.*, **48**(9), 1902-1912
- Arteta J, Marecal V, Riviere ED, 2009, Regional modelling of tracer transport by tropical convection - Part 1: Sensitivity to convection parameterization, *Atmos. Chem. Physics*, **9**(18), 7081-7100
- Ashok K, Tam CY, Lee WJ, 2009, ENSO Modoki impact on the Southern Hemisphere storm track activity during extended austral winter, *Geophys. Res. Lett.*, **36**, art. no. L12705
- Back LE, Bretherton CS, 2009, On the Relationship between SST Gradients, Boundary Layer Winds, and Convergence over the Tropical Oceans, *J. Climate*, **22**(15), 4182-4196
- Back LE, Bretherton CS, 2009, A Simple Model of Climatological Rainfall and Vertical Motion Patterns over the Tropical Oceans, *J. Climate*, **22**(23), 6477-6497
- Beck HE, de Jeu RAM, Schellekens J, van Dijk AIJM, Bruijnzeel LA, 2009, Improving Curve Number Based Storm Runoff Estimates Using Soil Moisture Proxies, *IEEE J. Sel. Topics Appl. Earth Obs. Rem. Sens.*, **2**(4), 250-259
- Behrangi A, Hsu KL, Imam B, Sorooshian S, Huffman GJ, Kuligowski RJ, 2009, PERSIANN-MSA: A Precipitation Estimation Method from Satellite-Based Multispectral Analysis, *J. Hydrometeorol.*, **10**(6), 1414-1429
- Behrangi A, Hsu KL, Imam B, Sorooshian S, Kuligowski RJ, 2009, Evaluating the Utility of Multispectral Information in Delineating the Areal Extent of Precipitation, *J. Hydrometeorol.*, **10**(3), 684-700
- Bellenger H, Duvel JP, Lengaigne M, Levan P, 2009, Impact of organized intraseasonal convective perturbations on the tropical circulation, *Geophys. Res. Lett.*, **36**, art. no. L16703
- Benedict JJ, Randall DA, 2009, Structure of the Madden-Julian Oscillation in the Superparameterized CAM, *J. Atmos. Sci.*, **66**(11), 3277-3296
- Bevan SL, North PRJ, Grey WMF, Los SO, Plummer SE, 2009, Impact of atmospheric aerosol from biomass burning on Amazon dry-season drought, *J. Geophys. Res.-Atmos.*, **114**, art. no. D09204
- Biancamaria S, Bates PD, Boone A, Mognard NM, 2009, Large-scale coupled hydrologic and hydraulic modelling of the Ob river in Siberia, *J. Hydrol.*, **379**(1-2), 136-150
- Biemans H, Hutjes RWA, Kabat P, Strengers BJ, Gerten D, Rost S, 2009, Effects of Precipitation Uncertainty on Discharge Calculations for Main River Basins, *J. Hydrometeorol.*, **10**(4), 1011-1025

- Bock O, Nuret M, 2009, Verification of NWP Model Analyses and Radiosonde Humidity Data with GPS Precipitable Water Vapor Estimates during AMMA, *Wea. Fcsting*, **24**(4), 1085-1101
- Bollasina M, Nigam S, 2009, Absorbing aerosols and pre-summer monsoon hydroclimate variability over the Indian subcontinent: The challenge in investigating links, *Atmos. Res.*, **94**(2), 338-344
- Bolvin DT, Adler RF, Huffman GJ, Nelkin EJ, Poutiainen JP, 2009, Comparison of GPCP Monthly and Daily Precipitation Estimates with High-Latitude Gauge Observations, *J. Appl. Meteor. Climatol.*, **48**(9), 1843-1857
- Bombardi RJ, Carvalho LMV, 2009, IPCC global coupled model simulations of the South America monsoon system, *Climate Dynam.*, **33**(7-8), 893-916
- Bosc C, Delcroix T, Maes C, 2009, Barrier layer variability in the western Pacific warm pool from 2000 to 2007, *J. Geophys. Res.-Oc.*, **114**, art. no. C06023
- Bosilovich MG, Mocko D, Roads JO, Ruane A, 2009, A Multimodel Analysis for the Coordinated Enhanced Observing Period (CEOP), *J. Hydrometeor.*, **10**(4), 912-934
- Boushaki FI, Hsu KL, Sorooshian S, Park GH, Mahani S, Shi W, 2009, Bias Adjustment of Satellite Precipitation Estimation Using Ground-Based Measurement: A Case Study Evaluation over the Southwestern United States, *J. Hydrometeor.*, **10**(5), 1231-1242
- Bowie AR, Lannuzel D, Remenyi TA, Wagener T, Lam PJ, Boyd PW, Guieu C, Townsend AT, Trull TW, 2009, Biogeochemical iron budgets of the Southern Ocean south of Australia: Decoupling of iron and nutrient cycles in the subantarctic zone by the summertime supply, *Global Biogeochem. Cycles*, **23**, art. no. GB4034
- Chang EKM, 2009, Are band-pass variance statistics useful measures of storm track activity? Re-examining storm track variability associated with the NAO using multiple storm track measures, *Climate Dynam.*, **33**(2-3), 277-296
- Chattopadhyay R, Goswami BN, Sahai AK, Fraedrich K, 2009, Role of stratiform rainfall in modifying the northward propagation of monsoon intraseasonal oscillation, *J. Geophys. Res.-Atmos.*, **114**, art. no. D19114
- Chen JL, Wilson CR, Tapley BD, Yang ZL, Niu GY, 2009, 2005 drought event in the Amazon River basin as measured by GRACE and estimated by climate models, *J. Geophys. Res.-Solid Earth* **114**, Art. No.B05404
- Chiu LS, Chokngamwong R, 2009, Microwave Emission Brightness Temperature Histograms (METH) Rain Rates for Climate Studies: Remote Sensing Systems SSM/I Version-6 Results, *J. Appl. Meteor. Climatol.*, **49**(1), 115-123
- Chokngamwong R, Chiu LS, 2009, Development of the Microwave calibrated Infrared Split-window Technique (MIST) for rainfall estimation, *Internat. J. Rem. Sens.*, **30**(12), 3115-3131
- da Rocha RP, Morales CA, Cuadra SV, Ambrizzi T, 2009, Precipitation diurnal cycle and summer climatology assessment over South America: An evaluation of Regional Climate Model version 3 simulations, *J. Geophys. Res.-Atmos.*, **114**, art. no. D10108
- Dewitte B, Thual S, Yeh SW, An SI, Moon BK, Giese BS, 2009, Low-Frequency Variability of Temperature in the Vicinity of the Equatorial Pacific Thermocline in SODA: Role of Equatorial Wave Dynamics and ENSO Asymmetry, *J. Climate*, **22**(21), 5783-5795
- Ding QH, Wang B, 2009, Predicting extreme phases of the Indian summer monsoon, *J. Climate*, **22**(2), 346-363



- Doblas-Reyes FJ, Weisheimer A, Deque M, Keenlyside N, McVean M, Murphy JM, Rogel P, Smith D, Palmer TN, 2009, Addressing model uncertainty in seasonal and annual dynamical ensemble forecasts, *Quart. J. Roy. Meteor. Soc.*, **135**(643), 1538-1559, Part B
- Dong SF, Garzoli SL, Baringer M, 2009, An assessment of the seasonal mixed layer salinity budget in the Southern Ocean, *J. Geophys. Res.-Oc.*, **114**, art. no. C12001
- Evans JP, 2009, 21st century climate change in the Middle East, *Cli. Change*, **92**(3-4), 417-432
- Feng S, Fu YF, 2009, Seasonal Characteristics of Precipitation Occurrences in the Core Area of the Subtropical High, *Acta Meteor. Sinica*, **23**(6) 681-690
- Ferreira RN, Rickenbach T, Guy N, Williams E, 2009, Radar Observations of Convective System Variability in Relationship to African Easterly Waves during the 2006 AMMA Special Observing Period, *Mon. Wea. Rev.*, **137**(12), 4136-4150
- Field RD, van der Werf GR, Shen SSP, 2009, Human amplification of drought-induced biomass burning in Indonesia since 1960, *Nature Geosci.*, **2**(3), 185-188
- Franchito SH, Rao VB, Vasques AC, Santo CME, Conforte JC, 2009, A diagnosis of rainfall over South America during 1997/98 El Nino and 1998/99 La Nina events: Comparison between TRMM PR and GPCP rainfall estimates, *J. Earth Sys. Sci.*, **118**(3), 193-207
- Francis JA, Chan WH, Leathers D, Miller JR, Veron DE, 2009, Winter Northern Hemisphere weather patterns remember summer Arctic sea-ice extent, *Geophys. Res. Lett.*, **36**, art. no. L07503
- Freitas SR, Longo KM, Dias MAFS, Chatfield R, Dias PS, Artaxo P, Andreae MO, Grell G, Rodrigues LF, Fazenda A, Panetta J, 2009, The Coupled Aerosol and Tracer Transport model to the Brazilian developments on the Regional Atmospheric Modeling System (CATT-BRAMS) - Part 1: Model description and evaluation, *Atmos. Chem. and Phys.*, **9**(8), 2843-2861
- Funatsu BM, Claud C, Chaboureau JP, 2009, Comparison between the Large-Scale Environments of Moderate and Intense Precipitating Systems in the Mediterranean Region, *Mon. Wea. Rev.*, **137**(11), 3933-3959
- Funk C, Budde ME, 2009, Phenologically-tuned MODIS NDVI-based production anomaly estimates for Zimbabwe, *Rem. Sens. Environ.*, **113**(1), 115-125
- Garreaud RD, Vuille M, Compagnucci R, Marengo J, 2009, Present-day South American climate, *Paleogeog., Palaeoclimatol., Palaeoecology*, **281**(3-4), Special Issue SI, 180-195
- Gkikas A, Hatzianastassiou N, Mihalopoulos N, 2009, Aerosol events in the broader Mediterranean basin based on 7-year (2000-2007) MODIS C005 data, *Annal. Geophys.*, **27**(9), 3509-3522
- Gochis DJ, Nesbitt SW, Yu W, Williams SF, 2009, Comparison of gauge-corrected versus non-gauge corrected satellite-based quantitative precipitation estimates during the 2004 NAME enhanced observing period, *Atmosfera*, **22**(1), 69-98
- Goff JA, 2009, Statistical characterization of Geosat altimetry noise: Dependence on environmental parameters, *Geochem. Geophys. Geosystems*, **10**, art. num. Q08007
- Gu GJ, Adler RF, 2009, Interannual variability of boreal summer rainfall in the equatorial Atlantic, *Internat. J. Climatol.*, **29**(2), 175-184
- Habib E, Henschke A, Adler RF, 2009, Evaluation of TMPA satellite-based research and real-time rainfall estimates during six tropical-related heavy rainfall events over Louisiana, USA, *Atmos. Res.*, **94**(3), 373-388

- Hagemann S, Gottel H, Jacob D, Lorenz P (Lorenz, Philip)<sup>1</sup>, Roeckner E, 2009, Improved regional scale processes reflected in projected hydrological changes over large European catchments, *Climate Dynam.*, **32**(6), 767-781
- Hagos SM, Cook KH, 2009, Development of a Coupled Regional Model and Its Application to the Study of Interactions between the West African Monsoon and the Eastern Tropical Atlantic Ocean, *J. Climate*, **22**(10), 2591-2604
- Haynes JM, L'Ecuyer TS, Stephens GL, Miller SD, Mitrescu C, Wood NB, Tanelli S, 2009, Rainfall retrieval over the ocean with spaceborne W-band radar, *J. Geophys. Res.-Atmos.*, **114**, art. no. D00A22
- Hosoda S, Suga T, Shikama N, Mizuno K, 2009, Global Surface Layer Salinity Change Detected by Argo and Its Implication for Hydrological Cycle Intensification, *J. Oceanog.*, **65**(4), 579-586
- Hu AX, Meehl GA, 2009, Effect of the Atlantic hurricanes on the oceanic meridional overturning circulation and heat transport, *Geophys. Res. Lett.*, **36**, Art. No. L03702
- Huang J, Adams A, Wang C, Zhang C, 2009, Black Carbon and West African Monsoon precipitation: observations and simulations, *Annal. Geophys.*, **27**(11), 4171-4181
- Huang J, Zhang C, Prospero JM, 2009, Large-scale effect of aerosols on precipitation in the West African Monsoon region, *Quart. J. Roy. Meteor. Soc.*, **135**(640), 581-594, Part A
- Huang JF, Zhang CD, Prospero JM, 2009, Aerosol-Induced Large-Scale Variability in Precipitation over the Tropical Atlantic, *J. Climate*, **22**(19), 4970-4988
- Huffman GJ, Adler RF, Bolvin DT, Gu GJ, 2009, Improving the global precipitation record: GPCP Version 2.1, *Geophys. Res. Lett.*, **36**, art. no. L17808
- Hughes M, Hall A, Fovell RG, 2009, Blocking in areas of complex topography, and its influence on rainfall distribution, *J. Atmos. Sci.*, **66**(2), 508-518
- Hurrell J, Meehl GA, Bader D, Delworth TL, Kirtman B, Wielicki B, 2009, A unified modeling approach to climate system prediction, *Bull. Amer. Meteor. Soc.*, **90**(12), 1819-1832
- Ichikawa H, Masunaga H, Kanzawa H, 2009, Evaluation of Precipitation and High-Level Cloud Areas Associated with Large-Scale Circulation over the Tropical Pacific in the CMIP3 Models, *J. Meteor. Soc. Japan*, **87**(4), 771-789
- Immerzeel WW, Droogers P, de Jong SM, Bierkens MFP, 2009, Large-scale monitoring of snow cover and runoff simulation in Himalayan river basins using remote sensing, *Rem. Sens. Environ.*, **113**(1), 40-49
- Immerzeel WW, Rutten MM, Droogers P, 2009, Spatial downscaling of TRMM precipitation using vegetative response on the Iberian Peninsula, *Rem. Sens. Environ.*, **113**(2), 362-370
- Jacobson MZ, Streets DG, 2009, Influence of future anthropogenic emissions on climate, natural emissions, and air quality, *J. Geophys. Res.-Atmos.*, **114**, Art. No. D08118
- Jian J, Webster PJ, Hoyos CD, 2009, Large-scale controls on Ganges and Brahmaputra river discharge on intraseasonal and seasonal time-scales, *Quart. J. Roy. Meteor. Soc.*, **135**(639), Part B, 353-370
- Joseph R, Smith TM, Sapiano MRP, Ferraro RR, 2009, A New High-Resolution Satellite-Derived Precipitation Dataset for Climate Studies, *J. Hydrometeor.*, **10**(4), 935-952
- Juarez RIN, Li WH, Fu R, Fernandes K, Cardoso AD, 2009, Comparison of Precipitation Datasets over the Tropical South American and African Continents, *J. Hydrometeor.*, **10**(1), 289-299
- Jury MR, 2009, An intercomparison of observational, reanalysis, satellite, and coupled model data on mean rainfall in the Caribbean, *J. Hydrometeor.*, **10**(2), 413-430

- Jury MR, Mpeta EJ, 2009, African climate variability in the satellite era, *Theor. Appl. Climatol.*, **98**(3-4), 279-291
- Kao HY, Yu JY, 2009, Contrasting Eastern-Pacific and Central-Pacific Types of ENSO, *J. Climate*, **22**(3), 615-632
- Kara AB, Wallcraft AJ, Hurlburt HE, Loh WY, 2009, Which surface atmospheric variable drives the seasonal cycle of sea surface temperature over the global ocean?, *J. Geophys. Res.-Atmos.*, **114**, art. no. D05101
- Kara AB, Wallcraft AJ, Hurlburt HE, Loh WY, 2009, Quantifying SST errors from an OGCM in relation to atmospheric forcing variables, *Ocean Modelling*, **29**(1), 43-57
- Karpechko AY, Gillett NP, Marshall GJ, Screen JA, 2009, Climate Impacts of the Southern Annular Mode Simulated by the CMIP3 Models, *J. Climate*, **22**(13), 3751-3768
- Kidd C, Levizzani V, Bauer P, 2009, A review of satellite meteorology and climatology at the start of the twenty-first century, *Progress in Phys. Geog.*, **33**(4), 474-489
- Kidd C, Levizzani V, Turk J, Ferraro R, 2009, Satellite precipitation measurements for water resource monitoring, *J. Amer. Water Resources Assoc.*, **45**(3), 567-579
- Kim D, Sperber K, Stern W, Waliser D, Kang IS, Maloney E, Wang W, Weickmann K, Benedict J, , 2009, Application of MJO Simulation Diagnostics to Climate Models, Khairoutdinov M, Lee MI, Neale R, Suarez M, Thayer-Calder K, Zhang G  
*J. Climate*, **22**(23), 6413-6436
- Kim H, Yeh PJF, Oki T, Kanae S, 2009, Role of rivers in the seasonal variations of terrestrial water storage over global basins, *Geophys. Res. Lett.*, **36**, art. no. L17402
- Knippertz P, Fink AH, 2009, Prediction of Dry-Season Precipitation in Tropical West Africa and Its Relation to Forcing from the Extratropics, *Wea. Forecasting*, **24**(4), 1064-1084
- Koo MS, Hong SY, Kim J, 2009, An Evaluation of the Tropical Rainfall Measuring Mission (TRMM) Multi-Satellite Precipitation Analysis (TMPA) Data over South Korea, *Asia-Pac. J. Atmos. Sci.*, **45**(3), 265-282
- Krishnamurti TN, Mishra AK, Simon A, Yatagai A, 2009, Use of a Dense Rain-gauge Network over India for Improving Blended TRMM Products and Downscaled Weather Models, *J. Meteor. Soc. Japan*, **87**, Special Issue SI, 393-412
- Kubota T, Ushio T, Shige S, Kida S, Kachi M, Okamoto K, 2009, Verification of High-Resolution Satellite-Based Rainfall Estimates around Japan Using a Gauge-Calibrated Ground-Radar Dataset, *J. Meteor. Soc. Japan*, **87**, Special Issue SI, 203-222
- Kucharski F, Bracco A, Yoo JH, Tompkins AM, Feudale L, Ruti P, Dell'Aquila A, 2009, A Gill-Matsuno-type mechanism explains the tropical Atlantic influence on African and Indian monsoon rainfall, *Quart. J. Roy. Meteor. Soc.*, **135**(640), 569-579, Part A
- Kumar R, Gairola RM, Mishra A, Varma AK, Das IML, 2009, Evaluation of Precipitation Features in High-Frequency SSM/I Measurements Over Indian Land and Oceanic Regions , *IEEE Geosci. Rem. Sens. Lett.*, **6**(3), 373-377
- Kurita N, Ichiyangi K, Matsumoto J, Yamanaka MD, Ohata T, 2009, The relationship between the isotopic content of precipitation and the precipitation amount in tropical regions, *J. Geochem. Exploration*, **102**(3), Special Issue SI, 113-122
- Lambert FH, Allen MR, 2009, Are changes in global precipitation constrained by the tropospheric energy budget?, *J. Climate*, **22**(3), 499-517
- Large WG, Yeager SG, 2009, The global climatology of an interannually varying air-sea flux data set, *Climate Dynam.*, **33**(2-3), 341-364

- Lau NC, Nath MJ, 2009, A Model Investigation of the Role of Air-Sea Interaction in the Climatological Evolution and ENSO-Related Variability of the Summer Monsoon over the South China Sea and Western North Pacific, *J. Climate*, **22**(18), 4771-4792
- Lee E, Chase TN, Rajagopalan B, Barry RG, Biggs TW, Lawrence PJ, 2009, Effects of irrigation and vegetation activity on early Indian summer monsoon variability, *Internat. J. Climatol.*, **29**(4), 573-581
- Li Y, Ju J, 2009, High-frequency transient and oscillation features related to wet and dry summer monsoons over East China, *Theoret. and Appl. Climatol.*, **95**(1-2), 165-182
- Liepert BG, Previdi M, 2009, Do Models and Observations Disagree on the Rainfall Response to Global Warming?, *J. Climate*, **22**(11), 3156-3166
- Lin JL, 2009, Ocean-Atmosphere Interaction in the Lifecycle of ENSO: The Coupled Wave Oscillator, *Chinese Ann. Math. Ser. B*, **30**(6), 715-728
- Lin JL, Shinoda T, Liebmann B, Fraedrich K, 2009, Intraseasonal Variability Associated with Summer Precipitation over South America Simulated by 14 IPCC AR4 Coupled GCMs, *Mon. Wea. Rev.*, **137**(9), 2931-2954
- Linderholm HW, Folland CK, Walther A, 2009, A multicentury perspective on the summer North Atlantic Oscillation (SNAO) and drought in the eastern Atlantic Region, *J. Quaternary Sci.*, **24**(5), Special Issue SI, 415-425
- Liu SC, Fu CB, Shiu CJ, Chen JP, Wu FT, 2009, Temperature dependence of global precipitation extremes, *Geophys. Res. Lett.*, **36**, art. no. L17702
- Lohmann U, Hoose C, 2009, Sensitivity studies of different aerosol indirect effects in mixed-phase clouds, *Atmos. Chem. Physics*, **9**(22), 8917-8934
- Lombard A, Garric G, Penduff T, 2009, Regional patterns of observed sea level change: insights from a 1/4A degrees global ocean/sea-ice hindcast, *Ocean Dynam.*, **59**(3), 433-449
- Lozier MS, Sindlinger L, 2009, On the Source of Mediterranean Overflow Water Property Changes, *J Phys. Oceanog.*, **39**(8), 1800-1817
- Lu RY, Lin ZD, 2009, Role of Subtropical Precipitation Anomalies in Maintaining the Summertime Meridional Teleconnection over the Western North Pacific and East Asia, *J. Climate*, **22**(8), 2058-2072
- Lu RY, Lin ZD, 2009, Role of subtropical precipitation anomalies in maintaining the summertime meridional teleconnection over the western North Pacific and East Asia, *J. Climate*, **22**(8), 2058-2072
- Ma LJ, Zhang T, Frauenfeld OW, Ye BS, Yang DQ, Qin DH, 2009, Evaluation of precipitation from the ERA-40, NCEP-1, and NCEP-2 Reanalyses and CMAP-1, CMAP-2, and GPCP-2 with ground-based measurements in China, *J. Geophys. Res.-Atmos.*, **114**, art. no. D09105
- Maloney ED, 2009, The moist static energy budget of a composite tropical intraseasonal oscillation in a climate model, *J. Climate*, **22**(3), 711-729
- Miller RL, Slingo A, Barnard JC, Kassianov E, 2009, Seasonal contrast in the surface energy balance of the Sahel, *J. Geophys. Res.-Atmos.*, **114**, Art. No. D00E05
- Mitra AK, Bohra AK, Rajeevan MN, Krishnamurti TN, 2009, Daily Indian Precipitation Analysis Formed from a Merge of Rain-Gauge Data with the TRMM TMPA Satellite-Derived Rainfall Estimates, *J. Meteor. Soc. Japan*, **87**, Special Issue SI, 265-279
- Moustafa REA, 2009, QGPCP: Quantized Generalized Parallel Coordinate Plots for Large Multivariate Data Visualization, *J. Computat. and Graph. Statistics*, **18**(1), 32-51

- Music B, Caya D, 2009, Investigation of the Sensitivity of Water Cycle Components Simulated by the Canadian Regional Climate Model to the Land Surface Parameterization, the Lateral Boundary Data, and the Internal Variability, *J. Hydrometeor.*, **10**(1), 3-21
- Muza MN, Carvalho LMV, Jones C, Liebmann B, 2009, Intraseasonal and interannual variability of extreme dry and wet events over southeastern South America and the subtropical Atlantic during austral summer, *J. Climate*, **22**(7), 1682-1699
- Ninomiya K, 2009, Characteristics of Precipitation in the Meiyu-Baiu Season in the CMIP3 20th Century Climate Simulations, *J. Meteor. Soc. Japan*, **87**(4), 829-843
- O'Gorman PA, Schneider T, 2009, The physical basis for increases in precipitation extremes in simulations of 21st-century climate change, *Proc. Nat. Acad. Sci. U.S.A.*, **106**(35), 14773-14777
- Omotosho TV, Oluwafemi CO, 2009, One-minute rain rate distribution in Nigeria derived from TRMM satellite data, *J. Atmos. and Solar-Terrest. Phys.*, **71**(5), 625-633
- Ose T, Arakawa O, 2009, Characteristics of the CMIP3 Models Simulating Realistic Response of Tropical Western Pacific Precipitation to Nino3 SST Variability, *J. Meteor. Soc. Japan*, **87**(4), 807-819
- Otieno FO, Bromwich DH, 2009, Contribution of Atmospheric Circulation to Inception of the Laurentide Ice Sheet at 116 kyr BP, *J. Climate*, **22**(1), 39-57
- Park S, Bretherton CS, 2009, The University of Washington Shallow Convection and Moist Turbulence Schemes and Their Impact on Climate Simulations with the Community Atmosphere Model, *J. Climate*, **22**(12), 3449-3469
- Pechony O, Shindell DT, 2009, Fire parameterization on a global scale, *J. Geophys. Res.-Atmos.*, **114**, art. no. D16115
- Pellarin T, Tran T, Cohard JM, Galle S, Laurent JP, de Rosnay P, Vischel T, 2009, Soil moisture mapping over West Africa with a 30-min temporal resolution using AMSR-E observations and a satellite-based rainfall product, *Hydrol. Earth Sys. Sci.*, **13**(10), 1887-1896
- Pezzi LP, Kayano MT, 2009, An analysis of the seasonal precipitation forecasts in South America using wavelets, *Internat. J. Climatol.*, **29**(11), 1560-1573
- Pope M, Jakob C, Reeder MJ, 2009, Regimes of the North Australian Wet Season, *J. Climate*, **22**(24), 6699-6715
- Posselt R, Lohmann U, 2009, Sensitivity of the total anthropogenic aerosol effect to the treatment of rain in a global climate model, *Geophys. Res. Lett.*, **36**, art. no. L02805
- Prasanna V, Yasunari T, 2009, Time-Space Characteristics of Seasonal and Interannual Variations of Atmospheric Water Balance over South Asia, *J. Meteor. Soc. Japan*, **87**(2), 263-287
- Rahman SH, Sengupta D, Ravichandran M, 2009, Variability of Indian summer monsoon rainfall in daily data from gauge and satellite, *J. Geophys. Res.-Atmos.*, **114**, art. no. D17113
- Reager JT, Famiglietti JS, 2009, Global terrestrial water storage capacity and flood potential using GRACE, *Geophys. Res. Lett.*, **36**, art. no. L23402
- Rechid D, Hagemann S, Jacob D, 2009, Sensitivity of climate models to seasonal variability of snow-free land surface albedo, *Theoret. and Appl. Climatol.*, **95**(1-2), 197-221
- Ren L, Riser SC, 2009, Seasonal salt budget in the northeast Pacific Ocean, *J. Geophys. Res.-Atmos.*, **114**, art. no. C12004
- Rickenbach T, Ferreira RN, Guy N, Williams E, 2009, Radar-observed squall line propagation and the diurnal cycle of convection in Niamey, Niger, during the 2006 African Monsoon and

- Multidisciplinary Analyses Intensive Observing Period, *J. Geophys. Res.-Atmos.*, **114**, art. no. D03107
- Sapiano MRP, Arkin PA, 2009, An intercomparison and validation of high-resolution satellite precipitation estimates with 3-hourly gauge data, *J. Hydrometeor.*, **10**(1), 149-166
- Scaife AA, Kucharski F, Folland CK, Kinter J, Bronnimann S, Fereday D, Fischer AM, Grainger S, Jin EK, Kang IS, Knight JR, Kusunoki S, Lau NC, Nath MJ, Nakaegawa T, Pegion P, Schubert S, Sporyshev P, Syktus J, Yoon JH, Zeng N, Zhou T, 2009, The CLIVAR C20C project: selected twentieth century climate events, *Climate Dynam.*, **33**(5), 603-614
- Schubert S, Gutzler D, Wang HL, Dai A, Delworth T, Deser C, Findell K, Fu R, Higgins W, Hoerling M, Kirtman B, Koster R, Kumar A, Legler D, Lettenmaier D, Lyon B, Magana V, Mo K, Nigam S, Pegion P, Phillips A, Pulwarty R, Rind D, Ruiz-Barradas A, Schemm J, Seager R, Stewart R, Suarez M, Syktus J, Ting MF, Wang CZ, Weaver S, Zeng N, 2009, A US CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results, *J. Climate*, **22**(19), 5251-5272
- Seager R, Tzanova A, Nakamura J, 2009, Drought in the Southeastern United States: Causes, Variability over the Last Millennium, and the Potential for Future Hydroclimate Change, *J. Climate*, **22**(19), 5021-5045
- Senna MCA, Costa MH, Pinto LIC, Imbuzeiro HMA, Diniz LMF, Pires GF, 2009, Vegetation Structure and Dynamics in Amazonia Using a Coupled Climate-Biosphere Model, *Earth Interact.*, **13**, art. no. 11
- Seo H, Xie SP, Murtugudde R, Jochum M, Miller AJ, 2009, Seasonal Effects of Indian Ocean Freshwater Forcing in a Regional Coupled Model, *J. Climate*, **22**(24), 6577-6596
- Seo KW, Waliser DE, Tian BJ, Famiglietti JS, Syed TH, 2009, Evaluation of global land-to-ocean fresh water discharge and evapotranspiration using space-based observations, *J. Hydrol.*, **373**(3-4), 508-515
- Seol KH, Hong SY, 2009, Relationship between the Tibetan snow in spring and the East Asian summer monsoon in 2003: A global and regional modeling study, *J. Climate*, **22**(8), 2095-2110
- Shaman J, Esbensen SK, Maloney ED, 2009, The dynamics of the ENSO-Atlantic hurricane teleconnection: ENSO-related changes to the North African-Asian jet affect Atlantic basin tropical cyclogenesis, *J. Climate*, **22**(9), 2458-2482
- Sherwood SC, Titchner HA, Thorne PW, McCarthy MP, 2009, How do we tell which estimates of past climate change are correct, *Internat. J. Climatol.*, **29**(10), 1520-1523
- Silva CMSE, de Freitas SR, Gielow R, de Barros SS, 2009, Evaluation of high-resolution precipitation estimate over the Amazon Basin, *Atmos. Sci. Lett.*, **10**(4), 273-278
- Smith T, Sapiano M, Arkin P, 2009, Modes of multi-decadal oceanic precipitation variations from a reconstruction and AR4 model output for the 20th century, *Geophys. Res. Lett.*, **36**, art. no. L14708
- Smith TM, Arkin PA, Sapiano MRP, 2009, Reconstruction of near-global annual precipitation using correlations with sea surface temperature and sea level pressure, *J. Geophys. Res.-Atmos.*, **114**, art. no. D12107
- Snodgrass ER, Di Girolamo L, Rauber RM, 2009, Precipitation characteristics of trade wind clouds during RICO derived from radar, satellite, and aircraft measurements, *J. Appl. Meteor. Climatol.*, **48**(3), 464-483

- Sodemann H, Wernli H, Schwierz C, 2009, Sources of water vapour contributing to the Elbe flood in August 2002-A tagging study in a mesoscale model, *Quart. J. Roy. Meteor. Soc.*, **135**(638), Part A, 205-223
- Song XL, Zhang GJ, 2009, Convection Parameterization, Tropical Pacific Double ITCZ, and Upper-Ocean Biases in the NCAR CCSM3. Part I: Climatology and Atmospheric Feedback, *J. Climate*, **22**(16), 4299-4315
- Souma K, Wang YQ, 2009, Improved Simulation of the East Asian Summer Monsoon Rainfall with Satellite-Derived Snow Water Equivalent Data, *Mon. Wea. Rev.*, **137**(6), 1790-1804
- Surussavadee C, Staelin DH, 2009, Global Precipitation Retrievals Using the NOAA AMSU Millimeter-Wave Channels: Comparisons with Rain Gauges, *J. Appl. Meteor. Climatol.*, **49**(1), 124-135
- Swingedouw D, Mignot J, Braconnot P, Mosquet E, Kageyama M, Alkama R, 2009, Impact of Freshwater Release in the North Atlantic under Different Climate Conditions in an OAGCM, *J. Climate*, **22**(23), 6377-6403
- Taguchi B, Nakamura H, Nonaka M, Xie SP, 2009, Influences of the Kuroshio/Oyashio Extensions on Air-Sea Heat Exchanges and Storm-Track Activity as Revealed in Regional Atmospheric Model Simulations for the 2003/04 Cold Season, *J. Climate*, **22**(24), 6536-6560
- Takahashi K, Onodera J, Katsurada Y, 2009, Relationship between time-series diatom fluxes in the central and western equatorial Pacific and ENSO-associated migrations of the Western Pacific Warm Pool, *Deep-Sea Res. Part I-Oceanog. Res. Papers*, **56**(8), 1298-1318
- Tang QH, Gao HL, Lu H, Lettenmaier DP, 2009, Remote sensing: hydrology, *Progress in Phys. Geog.*, **33**(4), 490-509
- Tao WK, Moncrieff MW, 2009, Multiscale cloud system modeling, *Rev. Geophys.*, **47**, art. no. RG4002
- Thorne PW, Ed., 2009, Global climate [in "State of the Climate in 2008"], *Bull. Amer. Meteor. Soc.*, **90**(8), S17-S46
- Tian YD, Peters-Lidard CD, Eylander JB, Joyce RJ, Huffman GJ, Adler RF, Hsu KL, Turk FJ, Garcia M, Zeng J, 2009, Component analysis of errors in satellite-based precipitation estimates, *J. Geophys. Res.-Atmos.*, **114**, art. no. D24101
- Tourigny E, Jones CG, 2009, An analysis of regional climate model performance over the tropical Americas. Part I: simulating seasonal variability of precipitation associated with ENSO forcing, *Tellus Ser. A-Dynam. Meteor. Oceanog.*, **61**(3), 323-342
- Trenberth KE, Fasullo JT, Kiehl J, 2009, Earth's global energy budget, *Bull. Amer. Meteor. Soc.*, **90**(3), 311-323
- Trenberth KE, Smith L, 2009, The three dimensional structure of the atmospheric energy budget: methodology and evaluation, *Climate Dynam.*, **32**(7-8), 1065-1079
- Turk FJ, Sohn BJ, Oh HJ, Ebert EE, Levizzani V, Smith EA, 2009, Validating a rapid-update satellite precipitation analysis across telescoping space and time scales, *Meteor. Atmos. Physics*, **105**(1-2), 99-108
- Turner AG, Slingo JM, 2009, Subseasonal extremes of precipitation and active-break cycles of the Indian summer monsoon in a climate-change scenario, *Quart. J. Roy. Meteor. Soc.*, **135**(640), 549-567, Part A
- Ushio T, Sasashige K, Kubota T, Shige S, Okamoto K, Aonashi K, Inoue T, Takahashi N, Iguchi T, Kachi M, Oki R, Morimoto T, Kawasaki ZI, 2009, A Kalman Filter Approach to the Global Satellite Mapping of Precipitation (GSMaP) from Combined Passive Microwave and Infrared Radiometric Data, *J. Meteor. Soc. Japan*, **87**, Special Issue SI, 137-151

- Vila DA, de Goncalves LGG, Toll DL, Rozante JR, 2009, Statistical Evaluation of Combined Daily Gauge Observations and Rainfall Satellite Estimates over Continental South America, *J. Hydrometeor.*, **10**(2), 533-543
- Vitart F, Molteni F, 2009, Dynamical Extended-Range Prediction of Early Monsoon Rainfall over India, *Mon. Wea. Rev.*, **137**(4), 1480-1492
- Waliser D, Sperber K, Hendon H, Kim D, Wheeler M, Weickmann K, Zhang C, Donner L, Gottschalck J, Higgins W, Kang IS, Legler D, Moncrieff M, Vitart F, Wang B, Wang W, Woolnough S, Maloney E, Schubert S, Stern W, 2009, MJO Simulation Diagnostics, *J. Climate*, **22**(11), 3006-3030
- Waliser DE, Tian BJ, Xie XS, Liu WT, Schwartz MJ, Fetzer EJ, 2009, How well can satellite data characterize the water cycle of the Madden-Julian Oscillation?, *Geophys. Res. Lett.*, **36**, art. no. L21803
- Wang NY, Liu CT, Ferraro R, Wolff D, Zipser E, Kummerow C, 2009, TRMM 2A12 Land Precipitation Product - Status and Future Plans, *J. Meteor. Soc. Japan*, **87**, Special Issue SI, 237-253
- Weigel AP, Liniger MA, Appenzeller C, 2009, Seasonal Ensemble Forecasts: Are Recalibrated Single Models Better than Multimodels?, *Mon. Wea. Rev.*, **137**(4), 1460-1479
- Weng HY, Behera SK, Yamagata T, 2009, Anomalous winter climate conditions in the Pacific rim during recent El NiA +/- o Modoki and El NiA +/- o events, *Climate Dynam.*, **32**(5), 663-674
- Wu B, Zhou TJ, Li T, 2009, Contrast of Rainfall-SST Relationships in the Western North Pacific between the ENSO-Developing and ENSO-Decaying Summers, *J. Climate*, **22**(16), 4398-4405
- Wu J, Fu CB, Xu YY, Yang JP, Han ZW, Zhang RH, 2009, Effects of total aerosol on temperature and precipitation in East Asia, *Cli. Res.*, **40**(1), 75-87
- Wu ZW, Li JP, 2009, Seasonal Prediction of the Global Precipitation Annual Modes with the Grid-Point Atmospheric Model of IAP LASG, *Acta Meteor. Sinica*, **23**(4), 428-437
- Xu Y, Gao XJ, Shen Y, Xu CH, Shi Y, Giorgi F, 2009, A Daily Temperature Dataset over China and Its Application in Validating a RCM Simulation, *Adv. in Atmos. Sci.*, **26**(4), 763-772
- Yang J, Bin W, Wang B, Li LJ, 2009, The East Asia-western North Pacific boreal summer intraseasonal oscillation simulated in GAMIL 1.1.1, *Adv. Atmos. Sci.*, **26**(3), 480-492
- Yang QM, 2009, Impact of the Indian Ocean subtropical dipole on the precipitation of east China during winter monsoons, *J. Geophys. Res.-Atmos.*, **114**, art. no. D14110
- Yatagai A, Arakawa O, Kamiguchi K, Kawamoto H, Nodzu MI, Hamada A, 2009, A 44-Year Daily Gridded Precipitation Dataset for Asia Based on a Dense Network of Rain Gauges, *SOLA*, **5**, 137-140
- Yeager SG, Jochum M, 2009, The connection between Labrador Sea buoyancy loss, deep western boundary current strength, and Gulf Stream path in an ocean circulation model, *Ocean Modelling*, **30**(2-3), 207-224
- Yu JY, Sun FP, Kao HY, 2009, Contributions of Indian Ocean and Monsoon Biases to the Excessive Biennial ENSO in CCSM3, *J. Climate*, **22**(7), 1850-1858
- Yu ZF, Yu H, Chen PY, Qian CH, Yue CJ, 2009, Verification of Tropical Cyclone-Related Satellite Precipitation Estimates in Mainland China, *J. Appl. Meteor. Climatol.*, **48**(11), 2227-2241



- Zhang K, Kimball JS, Mu QZ, Jones LA, Goetz SJ, Running SW, 2009, Satellite based analysis of northern ET trends and associated changes in the regional water balance from 1983 to 2005, *J. Hydrol.*, **379**(1-2), 92-110
- Zheng YX, Giese BS, 2009, Ocean heat transport in Simple Ocean Data Assimilation: Structure and mechanisms, *J. Geophys. Res.-Oc.*, **114**, art. no. C11009
- Zhu HY, Hendon H, Jakob C, 2009, Convection in a Parameterized and Superparameterized Model and Its Role in the Representation of the MJO, *J. Atmos. Sci.*, **66**(9), 2796-2811

## 2008

- Adler RF, Gu GJ, Wang JJ, Huffman GJ, Curtis S, Bolvin D, 2008, Relationships between global precipitation and surface temperature on interannual and longer timescales (1979-2006), *J. Geophys. Res.-Atmos.*, **113**, Art. No. D22104
- Alexander SP, Tsuda T, Kawatani Y, 2008, COSMIC GPS Observations of Northern Hemisphere winter stratospheric gravity waves and comparisons with an atmospheric general circulation model, *Geophys. Res. Lett.*, **35**(10), L10808
- Araligidad NM, Maloney ED, 2008, Wind-driven latent heat flux and the intraseasonal oscillation, *Geophys. Res. Lett.*, **35**(4), L04815
- Baker IT, Prihodko L, Denning AS, Goulden M, Miller S, da Rocha HR, 2008, Seasonal drought stress in the Amazon: Reconciling models and observations, *J. Geophys. Res.-Biogeosci.*, **113**, G00B01
- Bala G, Rood RB, Mirin A, McClean J, Achutarao K, Bader D, Gleckler P, Neale R, Rasch P, 2008, Evaluation of a CCSM3 simulation with a finite volume dynamical core for the atmosphere at 1 degrees latitude x 1.25 degrees longitude resolution, *J. Climate*, **21**(7), 1467-1486
- Barbosa HMJ, Tarasova TA, Cavalcanti IFA, 2008, Impacts of a new solar radiation parameterization on the CPTEC AGCM climatological features, *J. Appl. Meteor. Climatol.*, **47**(5), 1377-1392
- Bechtold P, Kohler M, Jung T, Doblas-Reyes F, Leutbecher M, Rodwell MJ, Vitart F, Balsamo G, 2008, Advances in simulating atmospheric variability with the ECMWF model: From synoptic to decadal time-scales, *Quart. J. Roy. Meteor. Soc.*, **134**(634), Part A, 1337-1351
- Berner J, Doblas-Reyes FJ, Palmer TN, Shutts G, Weisheimer A, 2008, Impact of a quasi-stochastic cellular automaton backscatter scheme on the systematic error and seasonal prediction skill of a global climate model, *Phil. Trans. Roy. Soc. A-Math. Phys. Eng. Sci.*, **366**(1875), 2561-2579
- Bollasina M, Nigam S, Lau KM, 2008, Absorbing aerosols and summer monsoon evolution over South Asia: An observational portrayal, *J. Climate*, **21**(13), 3221-3239
- Bony S, Risi C, Vimeux F, 2008, Influence of convective processes on the isotopic composition (delta O-18 and delta D) of precipitation and water vapor in the tropics: 1. Radiative-convective equilibrium and Tropical Ocean-Global Atmosphere-Coupled Ocean-Atmosphere Response Experiment (TOGA-COARE) simulations, *J. Geophys. Res.-Atmos.*, **113**(D19), D19305
- Bordoni S, Schneider T, 2008, Monsoons as eddy-mediated regime transitions of the tropical overturning circulation, *Nature Geosci.*, **1**(8), 515-519
- Bosilovich MG, Chen JY, Robertson FR, Adler RF, 2008, Evaluation of global precipitation in reanalyses, *J. Appl. Meteor. and Climatol.*, **47**(9), 2279-2299

- Brown ME, Funk CC, 2008, Climate - Food security under climate change, *Science*, **319**(5863), 580-581
- Burgman RJ, Clement AC, Mitas CM, Chen J, Esslinger K, 2008, Evidence for atmospheric variability over the Pacific on decadal timescales, *Geophys. Res. Lett.*, **35**(1), Art. No. L01704
- Carton JA, Giese BS, 2008, A reanalysis of ocean climate using Simple Ocean Data Assimilation (SODA), *Mon. Wea. Rev.*, **136**(8), 2999-3017
- Cash BA, Rodo X, Kinter JL, Fennessy MJ, Doty B, 2008, Differing Estimates of Observed Bangladesh Summer Rainfall, *J. Hydrometeor.*, **9**(5), 1106-1114
- Chan RY, Vuille M, Hardy DR, Bradley RS, 2008, Intraseasonal precipitation variability on Kilimanjaro and the East African region and its relationship to the large-scale circulation, *Theoret. and Appl. Climatol.*, **93**(3-4), 149-165
- Chang CWJ, Hsu HH, Wu CR, Sheu WJ, 2008, Interannual mode of sea level in the South China Sea and the roles of El Nino and El Nino Modoki, *Geophys. Res. Lett.*, **35**(3), Art. No. L03601
- Chang CY, Nigam S, Carton JA, 2008, Origin of the springtime westerly bias in equatorial Atlantic surface winds in the Community Atmosphere Model version 3 (CAM3) simulation, *J. Climate*, **21**(18), 4766-4778
- Chen B, Lin X, Bacmeister JT, 2008, Frequency distribution of daily ITCZ patterns over the western-central Pacific, *J. Climate*, **21**(17), 4207-4222
- Chen MY, Shi W, Xie PP, Silva VBS, Kousky VE, Higgins RW, Janowiak JE, 2008, Assessing objective techniques for gauge-based analyses of global daily precipitation, *J. Geophys. Res.-Atmos.*, **113**(D4), D04110
- Chiu LS, Chokngamwong R, Xing YK, Yang RX, Shie CL, 2008, "Trends" and variations of global oceanic evaporation data sets from remote sensing, *Acta Oceanol. Sinica*, **27**(3), 124-135
- Cho HK, Chun HY, 2008, Impacts on the TRMM data due to orbit boost in the spectral domain, *Geophys. Res. Lett.*, **35**(1), Art. No. L01403
- Choi SJ, Cha DH, Lee DK, 2008, Simulation of the 18-d summer heavy rainfall over East Asia using a regional climate model, *J. Geophys. Res.-Atmos.*, **113**(D12), D12101
- Chokngamwong R, Chiu LS, 2008, Thailand daily rainfall and comparison with TRMM products, *J. Hydrometeor.*, **9**(2), 256-266
- Christian JR, Feely RA, Ishii M, Murtugudde R, Wang XJ, 2008, Testing an ocean carbon model with observed sea surface pCO<sub>2</sub> and dissolved inorganic carbon in the tropical Pacific Ocean, *J. Geophys. Res.-Oceans*, **113**(C7), C07047
- Curtis S, Gamble DW, 2008, Regional variations of the Caribbean mid-summer drought, *Theoret. and Appl. Climatol.*, **94**(1-2), 25-34
- Delgado G, Machado LAT, Angelis CF, Bottino MJ, Redano A, Lorente J, Gimeno L, Nieto R, 2008, Basis for a rainfall estimation technique using IR-VIS cloud classification and parameters over the life cycle of mesoscale convective systems, *J. Appl. Meteor. and Climatol.*, **47**(5), 1500-1517
- Dinku T, Chidzambwa S, Ceccato P, Connor SJ, Ropelewski CF, 2008, Validation of high-resolution satellite rainfall products over complex terrain, *Internat. J. Rem. Sens.*, **29**(14), 4097-4110
- Du Y, Qu TD, Meyers G, 2008, Interannual variability of sea surface temperature off Java and Sumatra in a global GCM, *J. Climate*, **21**(11), 2451-2465

- Ewen T, Bronnimann S, Annis J, 2008, An extended Pacific-North American index from upper-air historical data back to 1922, *J. Climate*, **21**(6), 1295-1308
- Feldmann H, Fruh B, Schadler G, Panitz HJ, Keuler K, Jacob D, Lorenz P, 2008, Evaluation of the precipitation for South-western Germany from high resolution simulations with regional climate models, *Meteor. Zeit.*, **17**(4, Sp. Iss. SI), 455-465
- Feng X, Houser P, 2008 , An investigation of GSWP-2 Mississippi River basin surface water and energy budgets, *J. Geophys. Res.-Atmos.*, **113**(D15), D15118
- Fernandes K, Fu R, Betts AK, 2008, How well does the ERA40 surface water budget compare to observations in the Amazon River basin?, *J. Geophys. Res.-Atmos.*, **113**(D11), D11117
- Folkens I, Fueglistaler S, Lesins G, Mitovski T, 2008, A low-level circulation in the tropics, *J. Atmos. Sci.*, **65**(3), 1019-1034
- Foltz GR, McPhaden MJ, 2008, Seasonal mixed layer salinity balance of the tropical North Atlantic Ocean, *J. Geophys. Res.-Oceans*, **113**(C2), Art. No. C02013
- Fontaine B, Louvet S, Roucou P, 2008, Definition and predictability of an OLR-based West African monsoon onset, *Internat. J. Climatol.*, **28**(13), 1787-1798
- Forman BA, Vivoni ER, Margulis SA, 2008, Evaluation of ensemble-based distributed hydrologic model response with disaggregated precipitation products, *Water Resources Res.*, **44**(12), Art. No. W12409
- Frappart F, Papa F, Famiglietti JS, Prigent C, Rossow WB, Seyler F , 2008 , Interannual variations of river water storage from a multiple satellite approach: A case study for the Rio Negro River basin, *J. Geophys. Res.-Atmos.*, **113**(D21), Art. No. D21104
- Fujita K, 2008, Effect of precipitation seasonality on climatic sensitivity of glacier mass balance, *Earth and Planet. Sci. Lett.*, **276**, 14-19
- Funk C, Dettinger MD, Michaelsen JC, Verdin JP, Brown ME, Barlow M, Hoell A, 2008 , Warming of the Indian Ocean threatens eastern and southern African food security but could be mitigated by agricultural development, *Proc. Nat. Acad. Sci. U.S.A.*, **105**(32), 11081-11086
- Gamble DW, Curtis S, 2008 , Caribbean precipitation: review, model and prospect, *Progress in Phys. Geog.*, **32**(3), 265-276
- Giannini A, Biasutti M, Held IM, Sobel AH, 2008 , A global perspective on African climate, *Climatic Change*, **90**(4), 359-383
- Gleckler PJ, Taylor KE, Doutriaux C, 2008, Performance metrics for climate models, *J. Geophys. Res.-Atmos.*, **113**(D6), D06104
- Greene JS, Klatt M, Morrissey M, Postawko S, 2008, The Comprehensive Pacific Rainfall Database, *J. Atmos. Oceanic Technol.*, **25**(1), 71-82
- Gruber, A, Levizzani, V, Lead Authors, 2008, Assessment of global precipitation products, WCRP Series Report No. 128 and WMO TD-No. 1430, 55 pp.
- Guirguis KJ, Avissar R, 2008 , A precipitation climatology and dataset intercomparison for the western United States, *J. Hydrometeor.*, **9**(5), 825-841
- Guirguis KJ, Avissar R, 2008 , An analysis of precipitation variability, persistence, and observational data uncertainty in the western United States, *J. Hydrometeor.*, **9**(5), 843-865
- Guo L, Liu Y, 2008 , The effects of diabatic heating on asymmetric instability and the Asian extreme climate events, *Meteor. Atmos. Sci.*, **100**(1-4), 195-206
- Gushchina DY, Arakelyan TG, Petrosyants MA, 2008, The relation between circulation intensity in the temperate latitude cyclone and air temperature and precipitation anomalies, *Russ. Meteor. and Hydrol.*, **33**(11), 681-691

- Hagos SM, Cook KH, 2008 , Ocean warming and late-twentieth-century Sahel drought and recovery, *J. Climate*, **21**(15), 3797-3814
- Hanasaki N, Kanae S, Oki T, Masuda K, Motoya K, Shirakawa N, Shen Y, Tanaka K, 2008 , An integrated model for the assessment of global water resources Part 1: Model description and input meteorological forcing, *Hydrol. and Earth Sys. Sci.*, **12**(4), 1007-1025
- Hansingo K, Reason CJC, 2008 , Modelling the atmospheric response to SST dipole patterns in the South Indian Ocean with a regional climate model, *Meteor. and Atmos. Phys.*, **100**(1-4), 37-52
- Hatzianastassiou N, Katsoulis B, Pnevmatikos J, Antakis V, 2008, Spatial and temporal variation of precipitation in Greece and surrounding regions based on global precipitation climatology project data, *J. Climate*, **21**(6), 1349-1370
- Hilburn KA, Wentz FJ, 2008, Intercalibrated passive microwave rain products from the unified microwave ocean retrieval algorithm (UMORA), *J. Appl. Meteor. Climatol.*, **47**(3), 778-794
- Hong Y, Adler RF, 2008 , Predicting global landslide spatiotemporal distribution: Integrating landslide susceptibility zoning techniques and real-time satellite rainfall estimates, *Internat. J. Sediment Res.*, **23**(3), 249-257
- Hoose C, Lohmann U, Bennartz R, Croft B, Lesins G, 2008, Global simulations of aerosol processing in clouds, *Atmos. Chem. Physics*, **8**(23), 6939-6963
- Hossain F, Huffman GJ, 2008, Investigating error metrics for satellite rainfall data at hydrologically relevant scales, *J. Hydrometeor.*, **9**(3), 563-575
- Im ES, Ahn JB, Remedio AR, Kwon WT, 2008, Sensitivity of the regional climate of East/Southeast Asia to convective parameterizations in the RegCM3 modelling system. Part 1: Focus on the Korean peninsula, *Internat. J. Climatol.*, **28**(14), 1861-1877
- Islam MN, Uyeda H, 2008, Vertical variations of rain intensity in different rainy periods in and around Bangladesh derived from TRMM observations, *Internat. J. Climatol.*, **28**(2), 273-279
- Janicot S, Thorncroft CD, Ali A, Asencio N, Berry G, Bock O, Bourles B, Caniaux G, Chauvin F, Deme A, Kergoat L, Lafore JP, Lavaysse C, Lebel T, Marticorena B, Mounier F, Nedelec P, Redelsperger JL, Ravegnani F, Reeves CE, Roca R, de Rosnay P, Schlager H, Sultan B, Tomasini M, Ulanovsky A, 2008 , Large-scale overview of the summer monsoon over West Africa during the AMMA field experiment in 2006, *Ann. Geophys.*, **26**(9), 2569-2595
- Jiang HY, Halverson JB, 2008, On the differences in storm rainfall from hurricanes Isidore and Lili. Part I: Satellite observations and rain potential, *Wea. Forecasting*, **23**(1), 29-43
- Jiang HY, Halverson JB, Simpson J, Zipser EJ, 2008, Hurricane "Rainfall Potential" derived from satellite observations aids overland rainfall prediction, *J. Appl. Meteor. Climatol.*, **47**(4), 944-959
- Jiang JH, Su H, Schoeberl MR, Massie ST, Colarco P, Platnick S, Livesey NJ, 2008, Clean and polluted clouds: Relationships among pollution, ice clouds, and precipitation in South America, *Geophys. Res. Lett.*, **35**(14), L14804
- Jiang XN, Lau NC, 2008, Intraseasonal teleconnection between North American and western North Pacific monsoons with 20-day time scale, *J. Climate*, **21**(11), 2664-2679
- Jochum M, Potemra J, 2008, Sensitivity of tropical rainfall to Banda Sea diffusivity in the Community Climate System Model, *J. Climate*, **21**(23), 6445-6454
- Joseph PV, Sabin TP, 2008, An ocean-atmosphere interaction mechanism for the active break cycle of the Asian summer monsoon, *Climate Dynam.*, **30**(6), 553-566
- Kang HS, Hong SY, 2008 , An assessment of the land surface parameters on the simulated regional climate circulations: The 1997 and 1998 east Asian summer monsoon cases, *J.*

- Geophys. Res.-Atmos.*, **113**(D15), Art. No. D15121
- Karam HN, Bras RL, 2008 , Estimates of net atmospheric moisture flux convergence over the Amazon basin: A comparison of reanalysis products, *J. Hydrometeor.*, **9**(5), 1035-1047
- Karam HN, Bras RL, 2008 , Climatological basin-scale Amazonian evapotranspiration estimated through a water budget analysis, *J. Hydrometeor.*, **9**(5), 1048-1060
- Keenan TD, Carbone RE, 2008, Propagation and diurnal evolution of warm season cloudiness in the Australian and maritime continent region, *Mon. Wea. Rev.*, **136**(3), 973-994
- Kevane M, Gray L, 2008 , Darfur: rainfall and conflict, *Environ. Res. Lett.*, **3**(3), 034006
- Khairoutdinov M, DeMott C, Randall D, 2008, Evaluation of the simulated interannual and subseasonal variability in an AMIP-Style simulation using the CSU multiscale modeling framework, *J. Climate*, **21**(3), 413-431
- Kim HJ, Wang B, Ding QH, 2008 , The global monsoon variability simulated by CMIP3 coupled climate models, *J. Climate*, **21**(20), 5271-5294
- Kitoh A, Kusunoki S, 2008, East Asian summer monsoon simulation by a 20-km mesh AGCM, *Climate Dynam.*, **31**(4), 389-401
- Krishnamurti TN, Gnanaseelan C, Mishra AK, Chakraborty A, 2008 , Improved forecasts of the diurnal cycle in the tropics using multiple global models. Part I: Precipitation, *J. Climate*, **21**(16), 4029-4043
- Kuwano-Yoshida A, Asuma Y, 2008, Numerical study of explosively developing extratropical cyclones in the northwestern Pacific region, *Mon. Wea. Rev.*, **136**(2), 712-740
- Laing AG, Carbone R, Levizzani V, Tuttle J, 2008 , The propagation and diurnal cycles of deep convection in northern tropical Africa, *Quart. J. Roy. Meteor. Soc.*, **134**(630), Part A, 93-109
- Lamprey BL, 2008, Comparison of gridded multisatellite rainfall estimates with gridded gauge rainfall over west Africa, *J. Appl. Meteor. Climatol.*, **47**(1), 185-205
- Lass HU, Mohrholz V, 2008, On the interaction between the subtropical gyre and the Subtropical Cell on the shelf of the SE Atlantic, *J. Marine Sys.*, **74**(1-2), 1-43
- Lau KM, Zhou YP, Wu HT, 2008, Have tropical cyclones been feeding more extreme rainfall?, *J. Geophys. Res.-Atmos.*, **113**(D23), Art. No. D23113
- Lee E, Chase TN, Lawrence PJ, Rajagopalan B, 2008 , Model assessment of the observed relationship between El Nino and the northern East Asian summer monsoon using the Community Climate System Model Community Atmosphere Model-Community Land Model version 3 (CAM-CLM3), *J. Geophys. Res.-Atmos.*, **113**(D20), D20118
- Lee E, Chase TN, Rajagopalan B, 2008, Seasonal forecasting of East Asian summer monsoon based on oceanic heat sources, *Internat. J. Climatol.*, **28**(5), 667-678
- Lee E, Chase TN, Rajagopalan B, 2008 , Highly improved predictive skill in the forecasting of the East Asian summer monsoon, *Water Resources Res.*, **44**(10), Art. No. W10422
- Lee MI, Suarez MJ, Kang IS, Held IM, Kim D, 2008 , A moist benchmark calculation for atmospheric general circulation models, *J. Climate*, **21**(19), 4934-4954
- Levinson DH, Lawrimore JH, 2008 , State of the climate in 2007, *Bull. Amer. Meteor. Soc.*, **89**(7), Suppl. S, S1-S179
- Li GH, Wang Y, Lee KH, Diao YW, Zhang RY, 2008, Increased winter precipitation over the North Pacific from 1984-1994 to 1995-2005 inferred from the Global Precipitation Climatology Project, *Geophys. Res. Lett.*, **35**(13), L13821
- Li XY, Guo XL, Zhu J, 2008, Climatic features of cloud water distribution and cycle over China, *Adv. Atmos. Sci.*, **25**(3), 437-446
- Li YD, Wang Y, Song Y, Hu L, Gao ST, Rong F, 2008 , Characteristics of Summer Convective

- Systems Initiated over the Tibetan Plateau. Part I: Origin, Track, Development, and Precipitation, *J. Appl. Meteor. Climatol.*, **47**(10), 2679-2695
- Lin B, Stackhouse PW, Minnis P, Wielicki BA, Hu YX, Sun WB, Fan TF, Hinkelman LM, 2008 , Assessment of global annual atmospheric energy balance from satellite observations, *J. Geophys. Res.-Atmos.*, **113**(D16), Art. No. D16114
- Lin H, Brunet G, Derome J, 2008, Forecast Skill of the Madden-Julian Oscillation in Two Canadian Atmospheric Models, *Mon. Wea. Rev.*, **136**(11), 4130-4149
- Lin JL, Han WQ, Lin X, 2008, Observational analysis of the wind-evaporation-SST feedback over the tropical Pacific Ocean, *Atmos. Sci. Lett.*, **9**(4), 231-236
- Lin JL, Lee MI, Kim D, Kang IS, Frierson DMW, 2008, The impacts of convective parameterization and moisture triggering on AGCM-simulated convectively coupled equatorial waves, *J. Climate*, **21**(5), 883-909
- Lin JL, Mapes BE, Weickmann KM, Kiladis GN, Schubert SD, Suarez MJ, Bacmeister JT, Lee MI, 2008, North American monsoon and convectively coupled equatorial waves simulated by IPCC AR4 coupled GCMs, *J. Climate*, **21**(12), 2919-2937
- Lin JL, Weickman KM, Kiladis GN, Mapes BE, Schubert SD, Suarez MJ, Bacmeister JT, Lee MI, 2008 , Subseasonal variability associated with Asian summer monsoon simulated by 14 IPCC AR4 coupled GCMs, *J. Climate*, **21**(18), 4541-4567
- Lin X, Hou AY, 2008, Evaluation of coincident passive microwave rainfall estimates using TRMM PR and ground measurements as references, *J. Appl. Meteor. Climatol.*, **47**(12), 3170-3187
- Linho LH, Huang XL, Lau NC, 2008, Winter-to-spring transition in East Asia: A planetary-scale perspective of the South China spring rain onset, *J. Climate*, **21**(13), 3081-3096
- Liu CT, Zipser EJ, Cecil DJ, Nesbitt SW, Sherwood S, 2008 , A cloud and precipitation feature database from nine years of TRMM observations, *J. Appl. Meteor. Climatol.*, **47**(10), 2712-2728
- Liu J, Wang B, Yang J, 2008, Forced and internal modes of variability of the East Asian summer monsoon, *Cli. Past*, **4**(4), 225-233
- Liu Q, Fu YF, Yu RC, Sun L, Lu NM, 2008, A new satellite-based census of precipitating and nonprecipitating clouds over the tropics and subtropics, *Geophys. Res. Lett.*, **35**(7), L07816
- Liu Y, He JH, Li WL, Chen LX, 2008, MM5 simulations of the China regional climate during the LGM. I: Influence of CO<sub>2</sub> and earth orbit change, *Acta Meteorol. Sinica*, **22**(1), 8-21
- Lohmann U, 2008, Global anthropogenic aerosol effects on convective clouds in ECHAM5-HAM, *Atmos. Chem. Phys.*, **8**(7), 2115-2131
- Lohmann U, Spichtinger P, Jess S, Peter T, Smit H, 2008, Cirrus cloud formation and ice supersaturated regions in a global climate model, *Environ. Res. Lett.*, **3**(4), Art. No. 045022
- Lovejoy S, Schertzer D, Allaire VC, 2008 , The remarkable wide range spatial scaling of TRMM precipitation, *Atmos. Res.*, **90**(1), 10-32
- Maloney ED, Chelton DB, Esbensen SK, 2008 , Subseasonal SST variability in the tropical eastern north Pacific during boreal summer, *J. Climate*, **21**(17), 4149-4167
- Maloney ED, Shaman J, 2008, Intraseasonal variability of the West African monsoon and Atlantic ITCZ, *J. Climate*, **21**(12), 2898-2918
- Marcella MP, Eltahir EAB, 2008, Modeling the hydroclimatology of Kuwait: The role of subcloud evaporation in semiarid climates, *J. Climate*, **21**(12), 2976-2989
- Marcella MP, Eltahir EAB, 2008 , The hydroclimatology of Kuwait: Explaining the variability of rainfall at seasonal and interannual time scales, *J. Hydrometeorol.*, **9**(5), 1095-1105

- Martin DW, Kohrs RA, Mosher FR, Medaglia CM, Adamo C, 2008, Over-ocean validation of the global convective diagnostic, *J. Appl. Meteor. and Climatol.*, **47**(2), 525-543
- Maticuk RI, Colarco PR, Smith JA, Toon OB, 2008, Modeling the transport and optical properties of smoke plumes from South American biomass burning, *J. Geophys. Res.-Atmos.*, **113**(D7), D07208
- Medvigy D, Walko RL, Avissar R, 2008 , Modeling interannual variability of the Amazon hydroclimate, *Geophys. Res. Lett.*, **35**(15), Art. No. L15817
- Munoz E, Busalacchi AJ, Nigam S, Ruiz-Barradas A, 2008, Winter and summer structure of the Caribbean low-level jet, *J. Climate*, **21**(6), 1260-1276
- Nesbitt SW, Gochis DJ, Lang TJ, 2008 , The diurnal cycle of clouds and precipitation along the Sierra Madre Occidental observed during NAME-2004: Implications for warm season precipitation estimation in complex terrain, *J. Hydrometeor.*, **9**(4), 728-743
- Nieto R, Gallego D, Trigo R, Ribera P, Gimeno L, 2008, Dynamic identification of moisture sources in the Orinoco basin in equatorial South America, *Hydrolog. Sci. J.-J. Sci. Hydrol.*, **53**(3), 602-617
- Ninomiya K, Suzuki T, Nishimura T, 2008 , Differences between the intense precipitation associated with subsynoptic-scale Baiu frontal depression simulated by an AGCM and described in observational studies, *J. Meteor. Soc. Japan*, **86**(4), 563-573
- O'Dell CW, Wentz FJ, Bennartz R, 2008, Cloud liquid water path from satellite-based passive microwave observations: A new climatology over the global oceans, *J. Climate*, **21**(8), 1721-1739
- Palmer TN, Doblas-Reyes FJ, Weisheimer A, Rodwell MJ, 2008, Toward seamless prediction: Calibration of climate change projections using seasonal forecasts, *Bull. Amer. Meteor. Soc.*, **89**(4), 459-+
- Pan M, Wood EF, Wojcik R, McCabe MF, 2008, Estimation of regional terrestrial water cycle using multi-sensor remote sensing observations and data assimilation, *Rem. Sens. Environ.*, **112**(4), 1282-1294
- Papa F, Guntner A, Frappart F, Prigent C, Rossow WB , 2008, Variations of surface water extent and water storage in large river basins: A comparison of different global data sources, *Geophys. Res. Lett.*, **35**(11), L11401
- Parazoo NC, Denning AS, Kawa SR, Corbin KD, Lokupitiya RS, Baker IT, 2008, Mechanisms for synoptic variations of atmospheric CO<sub>2</sub> in North America, South America and Europe, *Atmos. Chem. and Phys.*, **8**(23), 7239-7254
- Posselt R, Lohmann U, 2008 , Influence of giant CCN on warm rain processes in the ECHAM5 GCM, *Atmos. Chem. and Phys.*, **8**(14), 3769-3788
- Prasanna V, Yasunari T, 2008, Interannual variability of atmospheric water balance over South Peninsular India and Sri Lanka during northeast monsoon season, *Internat. J. Climatol.*, **28**(15), 1997-2009
- Reichler T, Kim J, 2008, Uncertainties in the climate mean state of global observations, reanalyses, and the GFDL climate model, *J. Geophys. Res.-Atmos.*, **113**(D5), D05106
- Richter JH, Rasch PJ, 2008, Effects of convective momentum transport on the atmospheric circulation in the community atmosphere model, version 3, *J. Climate*, **21**(7), 1487-1499
- Rickenbach T, Kucera P, Gentry M, Carey L, Lare A, Lin RF, Demoz B, Starr DO, 2008 , The relationship between anvil clouds and convective cells: A case study in South Florida during CRYSTAL-FACE, *Mon. Wea. Rev.*, **136**(10), 3917-3932

- Risi C, Bony S, Vimeux F, Descroix L, Ibrahim B, Lebreton E, Mamadou I, Sultan B, 2008, What controls the isotopic composition of the African monsoon precipitation? Insights from event-based precipitation collected during the 2006 AMMA field campaign, *Geophys. Res. Lett.*, **35**(24), Art. No. L24808
- Rockel B, Geyer B, 2008, The performance of the regional climate model CLM in different climate regions, based on the example of precipitation, *Meteor. Zeit.*, **17**(4, Sp. Iss. SI), 487-498
- Sapiano MRP, Smith TM, Arkin PA, 2008, A new merged analysis of precipitation utilizing satellite and reanalysis data, *J. Geophys. Res.-Atmos.*, **113**, Art. No. D22103
- Sawunyama T, Hughes DA, 2008, Application of satellite-derived rainfall estimates to extend water resource simulation modelling in South Africa, *Water SA*, **34**(1), 1-9
- Shi X, Chan JCL, Chow KC, Ding Y, 2008, Effects of upstream surface heat fluxes on the evolution of the South China Sea summer monsoon, *Meteor. Atmos. Sci.*, **100**(1-4), 303-325
- Shimpo A, Kanamitsu M, Iacobellis SF, Hong SY, 2008, Comparison of four cloud schemes in simulating the seasonal mean field forced by the observed sea surface temperature, *Mon. Wea. Rev.*, **136**(7), 2557-2575
- Smith IN, Wilson L, Suppiah R, 2008, Characteristics of the northern Australian rainy season, *J. Climate*, **21**(17), 4298-4311
- Smith TM, Sapiano MRP, Arkin PA, 2008, Historical reconstruction of monthly oceanic precipitation (1900-2006), *J. Geophys. Res.-Atmos.*, **113**(D17), D17115
- Stenke A, Grewe V, Ponater M, 2008, Lagrangian transport of water vapor and cloud water in the ECHAM4 GCM and its impact on the cold bias, *Climate Dynam.*, **31**(5), 491-506
- Stephens GL, Ellis TD, 2008, Controls of global-mean precipitation increases in global warming GCM experiments, *J. Climate*, **21**(23), 6141-6155
- Su FG, Hong Y, Lettenmaier DP, 2008, Evaluation of TRMM Multisatellite Precipitation Analysis (TMPA) and its utility in hydrologic prediction in the La Plata Basin, *J. Hydrometeor.*, **9**(4), 622-640
- Su H, Jiang JH, Gu Y, Neelin JD, Kahn BH, Feldman D, Yung YL, Waters JW, Livesey NJ, Santee ML, Read WG, 2008, Variations of tropical upper tropospheric clouds with sea surface temperature and implications for radiative effects, *J. Geophys. Res.-Atmos.*, **113**(D10), D10211
- Sud YC, Walker GK, Zhou YP, Lau WKM, 2008, Influence of local and remote sea surface temperatures on precipitation as inferred from changes in boundary-layer moisture convergence and moist thermodynamics over global oceans, *Quart. J. Roy. Meteor. Soc.*, **134**(630), Part A, 147-163
- Sugiura N, Awaji T, Masuda S, Mochizuki T, Toyoda T, Miyama T, Igarashi H, Ishikawa Y, 2008, Development of a four-dimensional variational coupled data assimilation system for enhanced analysis and prediction of seasonal to interannual climate variations, *J. Geophys. Res.-Oceans*, **113**(C10), C10017
- Sun Y, Ding YH, 2008, An Assessment on the Performance of IPCC AR4 Climate Models in Simulating Interdecadal Variations of the East Asian Summer Monsoon, *Acta Meteor. Sinica*, **22**(4), 472-488
- Sun Y, Ding YH, 2008, Effects of intraseasonal oscillation on the anomalous East Asian summer monsoon during 1999, *Adv. Atmos. Sci.*, **25**(2), 279-296
- Suzuki T, Ninomiya K, Emori S, 2008, The impact of cumulus suppression on the Baiu front simulated by an AGCM, *J. Meteor. Soc. Japan*, **86**(1), 119-140



- Suzuki T, Ninomiya K, Takayabu YN, Emori S, 2008 , AGCM experiment of the effect of cumulus suppression on convection center formation over the Bay of Bengal, *J. Geophys. Res.-Atmos.*, **113**(D16), Art. No. D16104
- Syed TH, Famiglietti JS, Rodell M, Chen J, Wilson CR, 2008, Analysis of terrestrial water storage changes from GRACE and GLDAS, *Water Resources Res.*,: **44**(2), W02433
- Szeto KK, Tran H, Mackay MD, Crawford R, 2008, The MAGS water and energy budget study, *J. Hydrometeor.*, **9**(1), 96-115
- Tapiador FJ, Sanchez E, 2008, Changes in the European precipitation climatologies as derived by an ensemble of regional models, *J. Climate*, **21**(11), 2540-2557
- Thomas LMW, Moore CI, Burris HR, Suite M, Smith WR, Rabinovich W, 2008, NRL's research at the Lasercomm Test Facility: characterization of the maritime atmosphere and initial results in analog FM lasercomm, *Atmos. Prop. V*, Proc. SPIE, **6951**, Art. No. 69510S, S9510.
- Trenberth KE, Smith L, 2008, Atmospheric Energy Budgets in the Japanese Reanalysis: Evaluation and Variability, *J. Meteor. Soc. Japan*, **86**, (5), 579-592
- Tripathi S, Govindaraju RS, 2008 , Engaging uncertainty in hydrologic data sets using principal component analysis: BaNPCA algorithm, *Water Resources Res.*, **44**(10), W10409
- Turk FJ, Arkin P, Ebert EE, Sapiano MRP, 2008, Evaluating high-resolution precipitation products, *Bull. Amer. Meteor. Soc.*, **89**(12), 1911-1916
- van der Werf GR, Dempewolf J, Trigg SN, Randerson JT, Kasibhatla PS, Gigliof L, Murdiyarso D, Peters W, Morton DC, Collatz GJ, Dolman AJ, DeFries RS, 2008, Climate regulation of fire emissions and deforestation in equatorial Asia, *Proc. Nat. Acad. Sci. U.S.A.*, **105**(51), 20350-20355
- Vimeux F, de Angelis M, Ginot P, Magand O, Casassa G, Pouyaud B, Falourd S, Johnsen S, 2008 , A promising location in Patagonia for paleoclimate and paleoenvironmental reconstructions revealed by a shallow firn core from Monte San Valentin (Northern Patagonia Icefield, Chile), *J. Geophys. Res.-Atmos.*, **113**(D16), D16118
- Voisin N, Wood AW, Lettenmaier DP, 2008, Evaluation of precipitation products for global hydrological prediction, *J. Hydrometeor.*, **9**(3), 388-407
- Vuille M, Kaser G, Juen I, 2008, Glacier mass balance variability in the Cordillera Blanca, Peru and its relationship with climate and the large-scale circulation, *Global Planet. Change*, **62**(1-2), 14-28
- Wagener T, Guieu C, Losno R, Bonnet S, Mahowald N, 2008, Revisiting atmospheric dust export to the Southern Hemisphere ocean: Biogeochemical implications, *Global Biogeochem. Cycles*, **22**(2), GB2006
- Wang B, Ding QH, 2008, Global monsoon: Dominant mode of annual variation in the tropics, *Dynam. Atmos Oceans*, **44**(3-4), 165-183
- Wang B, Lee JY, Kang IS, Shukla J, Kug JS, Kumar A, Schemm J, Luo JJ, Yamagata T, Park CK, 2008, How accurately do coupled climate models predict the leading modes of Asian-Australian monsoon interannual variability?, *Climate Dynam.*, **30**(6), 605-619
- Wang B, Wu ZW, Li JP, Liu J, Chang CP, Ding YH, Wu GX, 2008 , How to measure the strength of the East Asian summer monsoon, *J. Climate*, **21**(17), 4449-4463
- Wang B, Yang HW, 2008, Hydrological issues in lateral boundary conditions for regional climate modeling: simulation of east Asian summer monsoon in 1998, *Climate Dynam.*, **31**(4), 477-490

- Wang JJ, Adler RF, Gu GJ, 2008 , Tropical rainfall-surface temperature relations using Tropical Rainfall Measuring Mission precipitation data, *J. Geophys. Res.-Atmos.*, **113**(D18), D18115
- Watanabe S, Kawatani Y, Tomikawa Y, Miyazaki K, Takahashi M, Sato K, 2008, General aspects of a T213L256 middle atmosphere general circulation model, *J. Geophys. Res.-Atmos.*, **113**(D12), D12110
- Wei JF, Dirmeyer PA, Guo ZC, 2008, Sensitivities of soil wetness simulation to uncertainties in precipitation and radiation, *Geophys. Res. Lett.*, **35**(15), L15703
- Williams CJR, Kniveton DR, Layberry R, 2008, Influence of South Atlantic sea surface temperatures on rainfall variability and extremes over southern Africa, *J. Climate*, **21**(24), 6498-6520
- Wu J, Fu C, Xu Y, Tang JP, Wang W, Wang Z, 2008 , Simulation of direct effects of black carbon aerosol on temperature and hydrological cycle in Asia by a Regional Climate Model, *Meteor. Atmos. Sci.*, **100**(1-4), Pages: 179-193
- Wu RG, 2008 , Possible role of the Indian Ocean in the in-phase transition of the Indian-to-Australian summer monsoon, *J. Climate*, **21**(21), 5727-5741
- Wu ZW, Li JP, 2008, Prediction of the asian-australian monsoon interannual variations with the grid-point atmospheric model of IAP LASG (GAMIL), *Adv. Atmos. Sci.*, **25**(3), 387-394
- Xian P, Miller RL, 2008, Abrupt seasonal migration of the ITCZ into the summer hemisphere, *J. Atmos. Sci.*, **65**(6), 1878-1895
- Yamanaka G, 2008 , Discrepancies between observed and ocean general circulation model-simulated anomalies in recent SSTs of the tropical Indian Ocean caused by apparent trends in atmospheric reanalysis data, *Geophys. Res. Lett.*, **35**(18), L18603
- Yang S, Smith EA, 2008 , Convective-stratiform precipitation variability at seasonal scale from 8 yr of TRMM observations: Implications for multiple modes of diurnal variability, *J. Climate*, **21**(16), 4087-4114
- Yang X, Pyle JA, Cox RA, 2008 , Sea salt aerosol production and bromine release: Role of snow on sea ice, *Geophys. Res. Lett.*, **35**(16), Art. No. L16815
- Yhang YB, Hong SY, 2008, A Simulated Climatology of the East Asian Summer Monsoon Using a Regional Spectral Model, *Asia-Pac. J. Atmos. Sci.*, **44**(4), 325-339
- Yhang YB, Hong SY, 2008, Improved physical processes in a regional climate model and their impact on the simulated summer monsoon circulations over East Asia, *J. Climate*, **21**(5), 963-979
- Yin ZY, Zhang XQ, Liu XD, Colella M, Chen XL, 2008, An assessment of the biases of satellite rainfall estimates over the Tibetan Plateau and correction methods based on topographic analysis, *J. Hydrometeor.*, **9**(3), 301-326
- Yoshimura K, Kanamitsu M, 2008 , Dynamical global downscaling of global reanalysis, *Mon. Wea. Rev.*, **136**(8), 2983-2998
- Yoshimura K, Kanamitsu M, Noone D, Oki T, 2008 , Historical isotope simulation using Reanalysis atmospheric data, *J. Geophys. Res.-Atmos.*, **113**(D19), D19108
- Yuan J, Hartmann DL, 2008 , Spatial and temporal dependence of clouds and their radiative impacts on the large-scale vertical velocity profile, *J. Geophys. Res.-Atmos.*, **113**(D19), D19201
- Yun KS, Shin SH, Ha KJ, Kitoh A, Kusunoki S, 2008, East Asian Precipitation Change in the Global Warming Climate Simulated by a 20-km Mesh AGCM, *Asia-Pac. J. Atmos. Sci.*, **44**(3), 233-247

- Zhang CY, Chen G, Qiu F, 2008 , Annual amphidromes observed in the atmosphere with remote sensing data, *J. Geophys. Res.-Atmos.*, **113**(D16), D16112
- Zhang CY, Qiu F, 2008, Empirical relationship between sea surface temperature and water vapor: Improvement of the physical model with remote sensing derived data, *J. Oceanog.*, **64**(1), 163-170
- Zhao HX, Moore GWK, 2008, Trends in the boreal summer regional Hadley and Walker circulations as expressed in precipitation records from Asia and Africa during the latter half of the 20th century, *Internat. J. Climatol.*, **28**(5), 563-578
- Zhou TJ, Wu B, Wen XY, Li LJ, Wang B, 2008, A fast version of LASG/IAP climate system model and its 1000-year control integration, *Adv. Atmos. Sci.*, **25**(4) 655-672
- Zhou TJ, Yu RC, Li HM, Wang B, 2008 , Ocean forcing to changes in global monsoon precipitation over the recent half-century, *J. Climate*, **21**(15), 3833-3852

## 2007

- Adhikary B, Carmichael GR, Tang Y, Leung LR, Qian Y, Schauer JJ, Stone EA, Ramanathan V, Ramana MV, 2007, Characterization of the seasonal cycle of south Asian aerosols: A regional-scale modeling analysis, *J. Geophys Res. – Atmos.*, **112**(D22), Art. No. D22S22
- Ajayamohan RS, Goswami BN, 2007, Dependence of simulation of boreal summer tropical intraseasonal oscillations on the simulation of seasonal mean, *J. Atmos. Sci.*, **64**(2), 460-478
- Allan RP, Soden BJ, 2007, Large discrepancy between observed and simulated precipitation trends in the ascending and descending branches of the tropical circulation, *Geophys. Res. Lett.*, **34**(18), Art. No. L18705
- Andersson C, Langner J, Bergstrom R, 2007, Interannual variation and trends in air pollution over Europe due to climate variability during 1958-2001 simulated with a regional CTM coupled to the ERA40 reanalysis, *Tellus B-Chem. and Phys. Meteor.*, **59**(1), 77-98
- Ashok K, Behera SK, Rao SA, Weng HY, Yamagata T, 2007, El Nino Modoki and its possible teleconnection, *J. Geophys. Res.-Oceans*, **112**(C11), Art. No. C11007
- Beer C, Reichstein M, Ciais P, Farquhar GD, Papale D, 2007, Mean annual GPP of Europe derived from its water balance, *Geophys. Res. Lett.*, **34**(5), Art. No. L05401
- Bellerby TJ, 2007, Satellite rainfall uncertainty estimation using an artificial neural network, *J. Hydrometeor.*, **8**(6), 1397-1412
- Benedict JJ, Randall DA, 2007, Observed characteristics of the MJO relative to maximum rainfall, *J. Atmos. Sci.*, **64**(7), 2332-2354
- Bernstein BC, Wolff CA, McDonough F, 2007, An inferred climatology of icing conditions aloft, including supercooled large drops. Part I: Canada and the continental United States, *J. Appl. Meteorol. Climatol.*, **46**(11), 1857-1878
- Bhowmik SKR, Das AK, 2007, Rainfall analysis for Indian monsoon region using the merged rain gauge observations and satellite estimates: Evaluation of monsoon rainfall features, *J. Earth Sys. Sci.*, **116**(3), 187-198
- Bocchiola D, 2007, Use of scale recursive estimation for assimilation of precipitation data from TRMM (PR and TMI) and NEXRAD, *Adv. Water Resources*, **30**(11), 2354-2372
- Bowden JH, Semazzi FHM, 2007, Empirical analysis of intraseasonal climate variability over the greater horn of Africa, *J. Climate*, **20**(23), 5715-5731
- Bromwich DH, Fogt RL, Hodges KI, Walsh JE, 2007, A tropospheric assessment of the ERA-40, NCEP, and JRA-25 global reanalyses in the polar regions, *J. Geophys. Res.-Atmos.*, **112**(D10), Art. No. D10111

- Carbonell LT, Ruiz EM, Gacita MS, Oliva JR, Rivero ND, 2007, Assessment of the impacts on health due to the emissions of Cuban power plants that use fossil fuel oils with high content of sulfur. Estimation of external costs, *Atmos. Environ.*, **41**(10), 2202-2213
- Casty C, Raible CC, Stocker TF, Wanner H, Luterbacher J, 2007, A European pattern climatology 1766-2000, *Climate Dynam.*, **29**(7-8), 791-805
- Chang CY, Carton JA, Grodsky SA, Nigam S, 2007, Seasonal climate of the tropical Atlantic sector in the NCAR community climate system model 3: Error structure and probable causes of errors, *J. Climate*, **20**(6), 1053-1070
- Charbit S, Ritz C, Philippon G, Peyaud V, Kageyama M, 2007, Numerical reconstructions of the Northern Hemisphere ice sheets through the last glacial-interglacial cycle, *Climate of the Past*, **3**(1), 15-37
- Cheke RA, Venn JF, Jones PJ, 2007, Forecasting suitable breeding conditions for the red-billed quelea *Quelea quelea* in southern Africa, *J. Appl. Ecol.*, **44**(3), 523-533
- Chen YH, Del Genio AD, Chen JY, 2007, Tropical atmospheric El Nino signal in satellite precipitation data and a global climate model, *J. Climate*, **20**(14), 3580-3601
- Cherry JE, Tremblay LB, Stieglitz M, Gong G, Dery SJ, 2007, Development of the pan-arctic snowfall reconstruction: new land-based solid precipitation estimates for 1940-99, *J. Hydrometeor.*, **8**(6), 1243-1263
- Chou C, Lo MH, 2007, Asymmetric responses of tropical precipitation during ENSO, *J. Climate*, **20**(14), 3411-3433
- Chung CE, Ramanathan V, 2007, Relationship between trends in land precipitation and tropical SST gradient, *Geophys. Res. Lett.*, **34**(16), Art. No. L16809
- Crow WT, 2007, A novel method for quantifying value in spaceborne soil moisture retrievals, *J. Hydrometeor.*, **8**(1), 56-67
- Crow WT, Bolten JD, 2007, Estimating precipitation errors using spaceborne surface soil moisture retrievals, *Geophys. Res. Lett.*, **34**(8), Art. No. L08403
- Crow WT, Zhan XW, 2007, Continental-scale evaluation of remotely sensed soil moisture products, *IEEE Geosci. Rem. Sens. Lett.*, **4**(3), 451-455
- Curtis S, Salahuddin A, Adler RF, Huffman GJ, Gu GJ, Hong Y, 2007, Precipitation extremes estimated by GPCP and TRMM: ENSO relationships, *J. Hydrometeor.*, **8**(4), 678-689
- Dai AG, Lin X, Hsu KL, 2007, The frequency, intensity, and diurnal cycle of precipitation in surface and satellite observations over low- and mid-latitudes, *Climate Dynam.*, **29**(7-8), 727-744
- D'Almeida C, Vorosmarty CJ, Hurtt GC, Marengo JA, Dingman SL, Keim BD, 2007, The effects of deforestation on the hydrological cycle in Amazonia: a review on scale and resolution, *Internat. J. Climatol.*, **27**(5), 633-647
- Deb SK, Upadhyaya HC, Sharma OP, Grandpeix JY, 2007, Simulation of Indian summer monsoon: sensitivity to cumulus parameterization in a GCM, *Internat. J. Climatol.*, **27**(8), 1003-1045
- Deb SK, Upadhyaya HC, Sharma OP, Grandpeix JY, 2007, Simulation of Indian summer monsoon: sensitivity to cumulus parameterization in a GCM, *Internat. J. Climatol.*, **27**(8), 1003-1045
- Deb SK, Upadhyaya HC, Sharma OP, Grandpeix JY, 2007, Sensitivity of indian monsoon to entrainment and detrainment in mass flux schemes, *Pure Appl. Geophys.*, **164**(8-9), 1667-1681

- Delcroix T, Cravatte S, McPhaden MJ, 2007, Decadal variations and trends in tropical Pacific sea surface salinity since 1970, *J. Geophys. Res.Oceans*, **112**(C3), Art. No. C03012
- Demott CA, Randall DA, Khairoutdinov M, 2007, Convective precipitation variability as a tool for general circulation model analysis, *J. Climate*, **20**(1), 91-112
- Dinku T, Ceccato P, Grover-Kopec E, Lemma M, Connor SJ, Ropelewski CF, 2007, Validation of satellite rainfall products over East Africa's complex topography, *Internat. J. Rem. Sens.*, **28**(7-8), 1503-1526
- Duncan BN, Strahan SE, Yoshida Y, Steenrod SD, Livesey N, 2007, Model study of the cross-tropopause transport of biomass burning pollution, *Atmos. Chem. Phys.*, **7**(14), 3713-3736
- Dunne SC, Entekhabi D, Njoku EG, 2007, Impact of multiresolution active and passive microwave measurements on soil moisture estimation using the ensemble Kalman smoother, *IEEE Trans. Geosci. Rem. Sens.*, **45**(4), 1016-1028
- Ebert EE, Janowiak JE, Kidd C, 2007, Comparison of near-real-time precipitation estimates from satellite observations and numerical models, *Bull. Amer. Meteor. Soc.*, **88**(1), 47+
- Edwards JM, 2007, Oceanic latent heat fluxes: Consistency with the atmospheric hydrological and energy cycles and general circulation modeling, *J. Geophys. Res.-Atmos.*, **112**(D6), Art. No. D06115
- Enomoto T, Ohfuchi W, Nakamura H, Shapiro MA, 2007, Remote effects of tropical storm Cristobal upon a cut-off cyclone over Europe in August 2002, *Meteorol. Atmos. Phys.*, **96**(1-2), 29-42
- Feidas H, Nouloupoulou C, Makrogiannis T, Bora-Senta E, 2007, Trend analysis of precipitation time series in Greece and their relationship with circulation using surface and satellite data: 1955-2001, *Theoret. and Appl. Climatol.*, **87**(1-4), 155-177
- Fernandez J, Montavez JP, Saenz J, Saenz J, Gonzalez-Rouco JF, Zorita E, 2007, Sensitivity of the MM5 mesoscale model to physical parameterizations for regional climate studies: Annual cycle, *J. Geophys. Res.-Atmos.*, **112**(D4), Art. No. D04101
- Futyan JM, Del Genio AD, 2007, Deep convective system evolution over Africa and the tropical Atlantic, *J. Climate*, **20**(20), 5041-5060
- Garreaud RD, 2007, Precipitation and circulation covariability in the extratropics, *J. Climate*, **20**(18), 4789-4797
- Gebremichael M, Krajewski WF, 2007, Application of copulas to modeling temporal sampling errors in satellite-derived rainfall estimates, *J. of Hydrologic Eng.*, **12**(4), 404-408
- Gebremichael M, Vivoni ER, Watts CJ, Rodriguez JC, 2007, Submesoscale spatiotemporal variability of North American monsoon rainfall over complex terrain, *J. Climate*, **20**(9), 1751-1773
- Giannini A, Robertson AW, Qian JH, 2007, A role for tropical tropospheric temperature adjustment to El Nino-Southern Oscillation in the seasonality of monsoonal Indonesia precipitation predictability, *J. Geophys. Res.-Atmos.*, **112**(D16), Art. No. D16110
- Graf HF, Yang J, 2007, Evaluation of a new convective cloud field model: precipitation over the maritime continent, *Atmos. Chem. and Phys.*, **7**, 409-421
- Grinsted A, Moore JC, Jevrejeva S, 2007, Observational evidence for volcanic impact on sea level and the global water cycle, *Proc. Nat. Acad. Sci. U.S.A.*, **104**(50), 19730-19734
- Gu GJ, Adler RF, Huffman GJ, Curtis S, 2007, Tropical rainfall variability on interannual-to-interdecadal and longer time scales derived from the GPCP monthly product, *J. Climate*, **20**(15), 4033-4046

- Hackert E, Ballabrera-Poy J, Busalacchi AJ, Zhang RH, Murtugudde R, 2007, Comparison between 1997 and 2002 El Nino events: Role of initial state versus forcing, *J. Geophys. Res.-Atmos.*, **112**(C1), C01005
- Hagemann S, Jacob D, 2007, Gradient in the climate change signal of European discharge predicted by a multi-model ensemble, *Climatic Change*, **81**, Suppl. 1, 309-327
- Hagos SM, Cook KH, 2007, Dynamics of the West African monsoon jump, *J. Climate*, **20**(21), 5264-5284
- Harris A, Rahman S, Hossain F, Yarborough L, Bagtzoglou AC, Easson G, 2007, Satellite-based flood modeling using TRMM-based rainfall products, *Sensors*, **7**(12), 3416-3427
- Hong Y, Adler RF, Hossain F, Curtis S, Huffman GJ, 2007, A first approach to global runoff simulation using satellite rainfall estimation, *Water Resources Res.*, **43**(8), Art. No. W08502
- Hong Y, Adler RF, Huffman G, 2007, An experimental global prediction system for rainfall-triggered landslides using satellite remote sensing and geospatial datasets, *IEEE Trans. Geosci. Rem. Sens.*, **45**(6), Part 1, 1671-1680
- Hong Y, Adler RF, Negri A, Huffman GJ, 2007, Flood and landslide applications of near real-time satellite rainfall products, *Nat. Hazards*, **43**(2), 285-294
- Hossain F, Katiyar N, Hong Y, Wolf A, 2007, The emerging role of satellite rainfall data in improving the hydro-political situation of flood monitoring in the under-developed regions of the world, *Nat. Hazards*, **43** (2), 199-210
- Hou AY, Zhang SQ, 2007, Assimilation of precipitation information using column model physics as a weak constraint, *J. Atmos. Sci.*, **64**(11), 3865-3879
- Hoyos CD, Webster PJ, 2007, The role of intraseasonal variability in the nature of Asian monsoon precipitation, *J. Climate*, **20**(17), 4402-4424
- Hu YY, Li DW, Liu JP, 2007, Abrupt seasonal variation of the ITCZ and the Hadley circulation, *Geophys. Res. Lett.*, **34**(18), Art. No. L18814
- Huffman GJ, Adler RF, Bolvin DT, Gu GJ, Nelkin EJ, Bowman KP, Hong Y, Stocker EF, Wolff DB, 2007, The TRMM multisatellite precipitation analysis (TMPA): Quasi-global, multiyear, combined-sensor precipitation estimates at fine scales, *J. Hydrometeor.*, **8**(1), 38-55
- Irannejad P, Henderson-Sellers A, 2007, Evaluation of AMIP II global climate model simulations of the land surface water budget and its components over the GEWEX-CEOP regions, *J. Hydrometeor.*, **8**(3), 304-326
- Islam MN, Uyeda H, 2007, Use of TRMM in determining the climatic characteristics of rainfall over Bangladesh, *Rem. Sens. of the Environ.*, **108**(3), 264-276
- Ito A, Ito A, Akimoto H, 2007, Seasonal and interannual variations in CO and BC emissions from open biomass burning in Southern Africa during 1998-2005, *Global Biogeochem. Cycles*, **21**(2), Art. No. GB2011
- Kharin VV, Zwiers FW, Zhang XB, Hegerl GC, 2007, Changes in temperature and precipitation extremes in the IPCC ensemble of global coupled model simulations, *J. Climate*, **20**(8), 1419-1444
- Kim BM, Cocke S, Lim GH, Oh JH, 2007, Assimilation of TRMM rain rate into global analysis and its impact on the summer mean circulation over tropics, *J. Korean Meteor. Soc.*, **43**(4), 397-409
- Kim JE, Hong SY, 2007, Impact of soil moisture anomalies on summer rainfall over East Asia: A regional climate model study, *J. Climate*, **20**(23), 5732-5743
- Kjellstrom E, Ruosteenoja K, 2007, Present-day and future precipitation in the Baltic Sea region as simulated in a suite of regional climate models, *Climatic Change*, **81**, Suppl. 1, 281-291

- Komori S, Takagaki N, Saiki R, Suzuki N, Tanno K, 2007, The effect of raindrops on interfacial turbulence and air-water gas transfer, *Transport at the Air-Sea Interface: Measurements, Models, and Parameterizations*, Environmental Science and Engineering - Environmental Engineering, 169-179
- Kotlyakov VM, Vasil'ev LN, Kachalin AB, Moskalevskii MY, Tyuflin AS, 2007, Accumulation variations in Antarctica over the last 28 years, *Doklady Earth Sci.*, **417**(8), 1252-1255
- Kottek M, Rubel F, 2007, Global daily precipitation fields from bias-corrected rain gauge and satellite observations. Part I: Design and Development, *Meteor. Zeit.*, **16**(5), 525-539
- Krishnamurti TN, Chakraborty A, Krishnamurti R, Dewar WK, Clayson CA, 2007, Passage of intraseasonal waves in the subsurface oceans, *Geophys. Res. Lett.*, **34**(14), Art. No. L14712
- Kubota T, Shige S, Hashizume H, Sakamoto M, Kobayashi S, Hatsushika H, Matsumoto T, Yamazaki N, Kaalhoru H, Takahashi K, Kadokura S, Wada K, Kato K, Oyama R, Ose T, Mannoji N, Taira R, 2007, Global precipitation map using satellite-borne microwave radiometers by the GSMaP project: Production and validation, *IEEE Trans. Geosci. Rem. Sens.*, **45**(7), Part 2, 2259-2275
- Lang R, Casadio S, Maurellis AN, Lawrence MG, 2007, Evaluation of the GOME water vapor climatology 1995-2002, *J. Geophys. Res.-Atmos.*, **112**(D17), Art. No. D17110
- Lau KM, Wu HT, 2007, Detecting trends in tropical rainfall characteristics, 1979-2003, *Internat. J. Climatol.*, **27**(8), 979-988
- Lawford RG, Roads J, Lettenmaier DP, Arkin P, 2007, GEWEX contributions to large-scale hydrometeorology, *J. Hydrometeorol.*, **8**(4), 629-641
- Lawrence DM, Thornton PE, Oleson KW, Bonan GB, 2007, The partitioning of evapotranspiration into transpiration, soil evaporation, and canopy evaporation in a GCM: Impacts on land-atmosphere interaction, *J. Hydrometeorol.*, **8**(4), 862-880
- Lee JE, Fung I, DePaolo DJ, Henning CC, 2007, Analysis of the global distribution of water isotopes using the NCAR atmospheric general circulation model, *J. Geophys. Res.-Atmos.*, **112**(D16), Art. No. D16306
- Lee S, Margulis SA, 2007, High-resolution ensemble surface insolation estimates through assimilation of coarse-scale retrievals into a simple physical model: 2. Ensemble implementation and Shortwave Radiation Budget data assimilation, *J. Geophys. Res.-Atmos.*, **112**(D10), Art. No. D10219
- Li JL, Jiang JH, Waliser DE, Tompkins AM, 2007, Assessing consistency between EOS MLS and ECMWF analyzed and forecast estimates of cloud ice, *Geophys. Res. Lett.*, **34**(8), Art. No. L08701
- Liebmann B, Camargo SJ, Seth A, Marengo JA, Carvalho LMV, Allured D, Fu R, Vera CS, 2007, Onset and end of the rainy season in South America in observations and the ECHAM 4.5 atmospheric general circulation model, *J. Climate*, **20**(10), 2037-2050
- Lin JL, 2007, The double-ITCZ problem in IPCC AR4 coupled GCMs: Ocean-atmosphere feedback analysis, *J. Climate*, **20**(18), 4497-4525
- Lin JL, Kim D, Lee MI, Kang IS, 2007, Effects of cloud-radiative heating on atmospheric general circulation model (AGCM) simulations of convectively coupled equatorial waves, *J. Geophys. Res.- Atmos.*, **112**(D24), Art. No. D24107
- Liu CT, Zipser EJ, Nesbitt SW, 2007, Global distribution of tropical deep convection: Different perspectives from TRMM infrared and radar data, *J. Climate*, **20**(3), 489-503
- Liu Q, Fu YF, 2007, An examination of summer precipitation over Asia based on TRMM/TMI, *Sci. in China Ser. D-Earth Sci.*, **50**(3), 430-441

- Liu XH, Penner JE, Das BY, Bergmann D, Rodriguez JM, Strahan S, Wang MH, Feng Y, 2007, Uncertainties in global aerosol simulations: Assessment using three meteorological data sets, *J. Geophys. Res.-Atmos.*, **112** (D11), Art. No. D11212
- Maloney ED, Esbensen SK, 2007, Satellite and buoy observations of boreal summer intraseasonal variability in the Tropical Northeast Pacific, *Mon. Wea. Rev.*, **135**(1), 3-19
- Mariotti A, 2007, How ENSO impacts precipitation in southwest central Asia, *Geophys. Res. Lett.*, **34**(16), Art. No. L16706
- Mariotti A, Arkin P, 2007, The North Atlantic Oscillation and oceanic precipitation variability, *Climate Dynam.*, **28**(1), 35-51
- Meinke I, Roads J, Kanamitsu M, 2007, Evaluation of RSM-simulated precipitation during CEOP, *J. Meteorol. Soc. Japan*, **85A**, 145-166
- Mikolajewicz U, Groger M, Maier-Reimer E, Schurgers G, Vizcaino M, Winguth AME, 2007, Long-term effects of anthropogenic CO<sub>2</sub> emissions simulated with a complex earth system model, *Climate Dynam.*, **28**(6), 599-631
- Milton SF, Earnshaw P, 2007, Evaluation of surface water and energy cycles in the Met Office global NWP model using CEOP data, *J. Meteor. Soc. Japan*, **85A**, 43-72
- Mo KC, Rogers E, Ebisuzaki W, Higgins RW, Woollen J, Carrera ML, 2007, Influence of the North American Monsoon Experiment (NAME) 2004 enhanced soundings on NCEP operational analyses, *J. Climate*, **20**(9), 1821-1842
- Music B, Caya D, 2007, Evaluation of the hydrological cycle over the Mississippi River basin as simulated by the Canadian regional climate model (CRCM), *J. Hydrometeor.*, **8**(5), 969-988
- Ochou AD, Nzeukou A, Sauvageot H, 2007, Parametrization of drop size distribution with rain rate, *Atmos. Res.*, **84**(1), 58-66
- Onogi K, Tsltsui J, Koide H, Sakamoto M, Kobayashi S, Hatsushika H, Matsumoto T, Yamazaki N, Kaalhoru H, Takahashi K, Kadokura S, Wada K, Kato K, Oyama R, Ose T, Mannoji N, Taira R, 2007, The JRA-25 reanalysis, *J. Meteor. Soc. Japan*, **85**(3), 369-432
- Pall P, Allen MR, Stone DA, 2007, Testing the Clausius-Clapeyron constraint on changes in extreme precipitation under CO<sub>2</sub> warming, *Climate Dynam.*, **28**(4), 351-363
- Papa F, Prigent C, Rossow WB, 2007, Ob' River flood inundations from satellite observations: A relationship with winter snow parameters and river runoff, *J. Geophys. Res.-Atmos.*, **112**(D18), Art. No. D18103
- Pohl B, Richard Y, Fauchereau N, 2007, Influence of the Madden-Julian oscillation on Southern African summer rainfall, *J. Climate*, **20**(16), 4227-4242
- Porcu F, Carrassi A, Medaglia CM, Prodi F, Mugnai A, 2007, A study on cut-off low vertical structure and precipitation in the Mediterranean region, *Meteorol. Atmos. Phys.*, **96**(1-2), 121-140
- Prigent C, Papa F, Aires F, Rossow WB, Matthews E, 2007, Global inundation dynamics inferred from multiple satellite observations, 1993-2000, *J. Geophys. Res.-Atmos.*, **112** (D12), Art. No. D12107
- Qian T, Dai A, Trenberth KE, 2007, Hydroclimatic trends in the Mississippi River basin from 1948 to 2004, *J. Climate*, **20**(18), 4599-4614
- Quartly GD, Kyte EA, Srokosz MA, Tsimplis MN, 2007, An intercomparison of global oceanic precipitation climatologies, *J. Geophys. Res.-Atmos.*, **112**(D10), Art. No. D10121
- Rahman SH, Simon B, Joshi PC, 2007, Evolution of geophysical parameters over the Indian Ocean region during contrasting monsoon years of 2002 and 2003 using TRMM/TMI data, *Theoret. Appl. Climatol.*, **89**(3-4), 211-227



- Raisanen J, 2007, How reliable are climate models?, *Tellus A-Dynam. Meteorol. Oceanog.*, **59**(1), 2-29
- Reichle RH, Koster RD, Liu P, Mahanama SPP, Njoku EG, Owe M, 2007, Comparison and assimilation of global soil moisture retrievals from the Advanced Microwave Scanning Radiometer for the Earth Observing System (AMSR-E) and the Scanning Multichannel Microwave Radiometer (SMMR), *J. Geophys. Res.-Atmos.*, **112**(D9), Art. No. D09108
- Reverdin G, Kestenare E, Frankignoul C, Delcroix T, 2007, Surface salinity in the Atlantic Ocean (30 degrees S-50 degrees N), *Progress in Oceanog.*, **73**(3-4), 311-340
- Rodwell MJ, Palmer TN, 2007, Using numerical weather prediction to assess climate models, *Quart. J. Roy. Meteor. Soc.*, **133**(622), Part A, 129-146
- Rouault M, Illig S, Bartholomae C, Reason CJC, Bentamy A, 2007, Propagation and origin of warm anomalies in the Angola Benguela upwelling system in 2001, *J. Marine Sys.*, **68**(3-4), 473-488
- Ruane AC, Roads JO, 2007, 6-hour to 1-year variance of five global precipitation sets, *Earth Interactions*, **11**, Art. No. 11
- Russell GL, 2007, Step-mountain technique applied to an atmospheric C-grid model, or how to improve precipitation near mountains, *Mon. Wea. Rev.*, **135**(12), 4060-4076
- Saito K, Kimoto M, Zhang T, Takata K, Emori S, 2007, Evaluating a high-resolution climate model: Simulated hydrothermal regimes in frozen ground regions and their change under the global warming scenario, *J. Geophys. Res.-Earth Surf.*, **112**(F2), Art. No. F02S11
- Sajani S, Beegum SN, Moorthy KK, 2007, The role of low-frequency intraseasonal oscillations in the anomalous Indian summer monsoon rainfall of 2002, *J. Earth Sys. Sci.*, **116**(2): 149-157
- Sarkar S, Chiu L, Kafatos M, Singh R, 2007, Sensitivity of rainfall on land cover change over South East Asia: Some observational results, *Adv. in Space Res.*, **39**(1), 73-78
- Sato T, Kimura F, Kitoh A, 2007, Projection of global warming onto regional precipitation over Mongolia using a regional climate model, *J. Hydrol.*, **333**(1), 144-154
- Schlosser CA, Houser PR, 2007, Assessing a satellite-era perspective of the global water cycle, *J. Climate*, **20**(7), 1316-1338
- Schmidt GA, LeGrande AN, Hoffmann G, 2007, Water isotope expressions of intrinsic and forced variability in a coupled ocean-atmosphere model, *J. Geophys. Res.-Atmos.*, **112**(D10), Art. No. D10103
- Seager R, 2007, The turn of the century North American drought: Global context, dynamics, and past analogs, *J. Climate*, **20**(22), 5527-5552
- Shankar D, Shetye SR, Joseph PV, 2007, Link between convection and meridional gradient of sea surface temperature in the Bay of Bengal, *J. Earth Sys. Sci.*, **116**(5), 385-406
- Sharma R, Agarwal N, Basu S, Agarwal VK, 2007, Impact of satellite-derived forcings on numerical ocean model simulations and study of sea surface salinity variations in the Indian Ocean, *J. Climate*, **20**(5), 871-890
- Sheng JY, Wang L, Andrefouet S, Hu CM, Hatcher BG, Muller-Karger FE, Kjerfve B, Heyman WD, Yang B, 2007, Upper ocean response of the Mesoamerican Barrier Reef System to Hurricane Mitch and coastal freshwater inputs: A study using Sea-viewing Wide Field-of-view Sensor (SeaWiFS) ocean color data and a nested-grid ocean circulation model, *J. Geophys. Res.-Oceans*, **112**(C7), Art. No. C07016

- Shi XL, Xie ZH, Liu YM, Yang HW, 2007, Implementation of a surface runoff model with Horton and Dunne mechanisms into the regional climate model RegCM\_NCC, *Adv. in Atmos. Sci.*, **24**(5), 750-764
- Stephens GL, Kummerow CD, 2007, The remote sensing of clouds and precipitation from space: A review, *J. Atmos. Sci.*, **64**(11), 3742-3765
- Sun CJ, Rienecker MM, Rosati A, Harrison M, Wittenberg A, Keppenne CL, Jacob JP, Kovach RM, 2007, Comparison and sensitivity of ODASI ocean analyses in the Tropical Pacific, *Mon. Wea. Rev.*, **135** (6), 2242-2264
- Szeto KK, 2007, Assessing water and energy budgets for the Saskatchewan River Basin, *J. Meteor. Soc. Japan*, **85A**, 167-186
- Takahashi K, Battisti DS, 2007, Processes controlling the mean tropical pacific precipitation pattern. Part I: The Andes and the eastern Pacific ITCZ, *J. Climate*, **20**(14), 3434-3451
- Takayabu I, Kato H, Nishizawa K, Takayabu YN, Sato Y, Sasaki H, Kurihara K, Kitoh A, 2007, Future projections in precipitation over Asia simulated by two RCMs nested into MRI-CGCM2.2, *J. Meteorol. Soc. Japan*, **85**(4), 511-519
- Tapiador FJ, 2007, A maximum entropy analysis of global monthly series of rainfall from merged satellite data, *Internat. J. Rem. Sens.*, **28**(6), 1113-1121
- Tian Y, Peters-Lidard CD, Choudhury BJ, Garcia M, 2007, Multitemporal analysis of TRMM-based satellite precipitation products for land data assimilation applications, *J. Hydrometeorol.*, **8**(6), 1165-1183
- Tian YD, Peters-Lidard CD, 2007, Systematic anomalies over inland water bodies in satellite-based precipitation estimates, *Geophys. Res. Lett.*, **34**(14), Art. No. L14403
- Tomita T, Sato H, Nonaka M, Hara M, 2007, Interdecadal variability of the early summer surface heat flux in the Kuroshio region and its impact on the Baiu frontal activity, *Geophys. Res. Lett.*, **34**(10), Art. No. L10708
- Tompkins AM, Gierens K, Radel G, 2007, Ice supersaturation in the ECMWF integrated forecast system, *Quart. J. Roy. Meteor. Soc.*, **133**(622), Part A, 53-63
- Trenberth KE, Dai A, 2007, Effects of Mount Pinatubo volcanic eruption on the hydrological cycle as an analog of geoengineering, *Geophys. Res. Lett.*, **34**(15), Art. No. L15702
- Trenberth KE, Smith L, Qian TT, Dai AG, Fasullo J, 2007, Estimates of the global water budget and its annual cycle using observational and model data, *J. Hydrometeorol.*, **8**(4), 758-769
- Vila D, Ferraro R, Joyce R, 2007, Evaluation and improvement of AMSU precipitation retrievals, *J. Geophys. Res.-Atmos.*, **112**(D20), Art. No. D20119
- Vizy EK, Cook KH, 2007, Relationship between Amazon and high Andes rainfall, *J. Geophys. Res.-Atmos.*, **112**(D7), Art. No. D07107
- Waliser D, Seo KW, Schubert S, Njoku N, 2007, Global water cycle agreement in the climate models assessed in the IPCC AR4, *Geophys. Res. Lett.*, **34**(16), Art. No. L16705
- Wang CZ, 2007, Variability of the Caribbean Low-Level Jet and its relations to climate, *Climate Dynam.*, **29**(4), 411-422
- Wang H, Tribbia JJ, Baer F, Fournier A, Taylor MA, 2007, A spectral element version of CAM2, *Mon. Wea. Rev.*, **135**(11), 3825-3840
- Wang YQ, Zhou L, Hamilton K, 2007, Effect of convective entrainment/detrainment on the simulation of the tropical precipitation diurnal cycle, *Mon. Wea. Rev.*, **135**(2), 567-585
- Weng HY, Ashok K, Behera SK, Rao SA, Yamagata T, 2007, Impacts of recent El Nino Modoki on dry/wet conditions in the Pacific rim during boreal summer, *Climate Dynam.*, **29** (2-3), 113-129

- Wentz FJ, Ricciardulli L, Hilburn K, Mears C, 2007, How much more rain will global warming bring?, *Science*, **317**(5835), 233-235
- Wu RG, Kirtman BP, 2007, Regimes of seasonal air-sea interaction and implications for performance of forced simulations, *Climate Dynam.*, **29**(4), 393-410
- Wu W, Lynch AH, Drobot S, Maslanik J, McGuire D, Herzfeld U, 2007, Comparative analysis of the Western Arctic surface climate among observations and model simulations, *Earth Interact.*, **11**, Art. No. 6
- Xie PP, Yatagai A, Chen MY, Hayasaka T, Fukushima Y, Liu CM, Yang S, 2007, A Gauge-based analysis of daily precipitation over East Asia, *J. Hydrometeor.*, **8**(3), 607-626
- Yan H, Yang S, 2007, A MODIS dual spectral rain algorithm, *J. Appl. Meteor. Climatol.*, **46**(9), 1305-1323
- Yang K, Watanabe T, Koike T, Li X, Fuji H, Tamagawa K, Ma YM, Ishikawa H, 2007, Auto-calibration system developed to assimilate AMSR-E data into a land surface model for estimating soil moisture and the surface energy budget, *J. Meteor. Soc. of Japan*, **85A**, 229-242
- Yeager SG, Large WG, 2007, Observational evidence of winter spice injection, *J. Phys. Oceanog.*, **37**(12), 2895-2919
- Zhang YC, Rossow WB, Stackhouse P, Romanou A, Wielicki BA, 2007, Decadal variations of global energy and ocean heat budget and meridional energy transports inferred from recent global data sets, *J. Geophys. Res. – Atmos.*, **112**(D22), Art. No. D22101

## 2006

- AchutaRao K, Sperber KR, 2006, ENSO simulation in coupled ocean-atmosphere models: are the current models better?, *Cli. Dynam.*, **27**(1), 1-15
- Adam JC, Clark EA, Lettenmaier DP, Wood EF, 2006, Correction of global precipitation products for orographic effects, *J. Climate*, **19**(1), 15-38
- Aires F, Prigent C, 2006, Toward a new generation of satellite surface products?, *J. Geophys. Res.-Atmos.*, **111**(D22), D22S10
- Beranger K, Barnier B, Gulev S, Crepon M, 2006, Comparing 20 years of precipitation estimates from different sources over the world ocean, *Ocean Dynam.*, **56**(2), 104-138
- Betts AK, Zhao M, Dirmeyer PA, Beljaars ACM, 2006, Comparison of ERA40 and NCEP/DOE near-surface data sets with other ISLSCP-II data sets, *J. Geophys. Res.-Atmos.*, **111**(D22), D22S04
- Biasutti M, Sobel AH, Kushnir Y, 2006, AGCM precipitation biases in the tropical Atlantic, *J. Climate*, **19**(6), 935-958
- Bordoni S, Stevens B, 2006, Principal component analysis of the summertime winds over the Gulf of California: A gulf surge index, *Mon. Wea. Rev.*, **134**(11), 3395-3414
- Bosilovich MG, Chern JD, 2006, Simulation of water sources and precipitation recycling for the MacKenzie, Mississippi, and Amazon River basins, *J. Hydrometeor.*, **7**(3), 312-329
- Bronnimann S, Schraner M, Muller B, Fischer A, Brunner D, Rozanov E, Egorova T, 2006, The 1986-1989 ENSO cycle in a chemical climate model, *Atmos. Chem. and Phys.*, **6**, 4669-4685
- Brown JEM, 2006, An analysis of the performance of hybrid infrared and microwave satellite precipitation algorithms over India and adjacent regions, *Rem. Sens. Environ.*, **101**(1), 63-81
- Chakraborty A, Mujumdar M, Behera SK, Ohba R, Yamagata T, 2006, A cyclone over Saudi Arabia on 5 January 2002: A case study, *Meteor. Atmos. Phys.*, **93**(1-2), 115-122

- Chakraborty A, Nanjundiah RS, Srinivasan J, 2006, Theoretical aspects of the onset of Indian summer monsoon from perturbed orography simulations in a GCM, *Ann. Geophys.*, **24**(8), 2075-2089
- Chang EKM, Song SW, 2006, The seasonal cycles in the distribution of precipitation around cyclones in the western North Pacific and Atlantic, *J. Atmos. Sci.*, **63**(3), 815-839
- Chen G, 2006, A novel scheme for identifying principal modes in geophysical variability with application to global precipitation, *J. Geophys. Res.-Atmos.*, **111**(D11), D11103
- Chiu LS, Liu Z, Vongsaard J, Morain S, Budge A, Neville P, Bales C, 2006, Comparison of TRMM and water district rain rates over New Mexico, *Adv. Atmos. Sci.*, **23**(1), 1-13
- Chiu LS, Shin DB, Kwiatkowski J, 2006, Surface rain rates from tropical rainfall measuring mission satellite algorithms, *Earth Science Satellite Remote Sensing: Science and Instruments*, **1**, 317-336
- Ciesielski PE, Johnson RH, 2006, Contrasting characteristics of convection over the northern and southern South China Sea during SCSMEX, *Mon. Wea. Rev.*, **134**(4), 1041-1062
- Coelho CAS, Stephenson DB, Balmaseda M, Doblas-Reyes FJ, van Oldenborgh GJ, 2006, Toward an integrated seasonal forecasting system for South America, *J. Climate*, **19**(15), 3704-3721
- Collins WD, Bitz CM, Blackmon ML, Bonan GB, Bretherton CS, Carton JA, Chang P, Doney SC, Hack JJ, Henderson TB, Kiehl JT, Large WG, McKenna DS, Santer BD, Smith RD, 2006, The Community Climate System Model version 3 (CCSM3), *J. Climate*, **19**(11), 2122-2143
- Collins WD, Rasch PJ, Boville BA, Hack JJ, McCaa JR, Williamson DL, Briegleb BP, Bitz CM, Lin SJ, Zhang MH, 2006, The formulation and atmospheric simulation of the Community Atmosphere Model version 3 (CAM3), *J. Climate*, **19**(11), 2144-2161
- Cook KH, Vizy EK, 2006, Coupled model simulations of the west African monsoon system: Twentieth- and Twenty-First-century simulations, *J. Climate*, **19**(15), 3681-3703
- Cui XF, Graf HF, Langmann B, Chen W, Huang RH, 2006, Climate impacts of anthropogenic land use changes on the Tibetan Plateau, *Global and Planet. Change*, **54**(1-2), 33-56
- Curtis S, Salahuddin A, 2006, Interannual changes of 20-50 and 50-100 day climate variability in the indo-pacific sector in austral summer, *J. Meteorol. Soc. Japan*, **84**(4), 567-579
- Dai AG, 2006, Precipitation characteristics in eighteen coupled climate models, *J. Cli.*, **19**(18), 4605-4630
- Dairaku K, Emori S, 2006, Dynamic and thermodynamic influences on intensified daily rainfall during the Asian summer monsoon under doubled atmospheric CO2 conditions, *Geophys. Res. Lett.*, **33** (1), L01704
- de Goncalves LGG, Shuttleworth WJ, Nijssen B, Burke EJ, Marengo JA, Chou SC, Houser P, Toll DL, 2006, Evaluation of model-derived and remotely sensed precipitation products for continental South America, *J. Geophys. Res.-Atmos.*, **111**(D16), D16113
- Deb SK, Upadhyaya HC, Sharma OP, Chakraborty A, 2006, Simulation of Indian summer monsoon: experiments with SSTs, *Meteorol. Atmos. Phys.*, **94**(1-4), 43-64
- Decharme B, Douville H, 2006, Uncertainties in the GSWP-2 precipitation forcing and their impacts on regional and global hydrological simulations, *Climate Dynam.*, **27**(7-8), 695-713
- Dickinson RE, Oleson KW, Bonan G, Hoffman F, Thornton P, Vertenstein M, Yang ZL, Zeng XB, 2006, The Community Land Model and its climate statistics as a component of the Community Climate System Model, *J. Climate*, **19**(11), 2302-2324

- Dirmeyer PA, Koster RD, Guo ZC, 2006, Do global models properly represent the feedback between land and atmosphere?, *J. Hydrometeor.*, **7**(6), 1177-1198
- Douville H, 2006, Detection-attribution of global warming at the regional scale: How to deal with precipitation variability?, *Geophys. Res. Let.*, **33**(2), L02701
- Douville H, 2006, Impact of regional SST anomalies on the Indian monsoon response to global warming in the CNRM climate model, *J. Climate*, **19**(10), 2008-2024
- Douville H, Salas-Melia D, Tyteca S, 2006, On the tropical origin of uncertainties in the global land precipitation response to global warming, *Cli. Dynam.*, **26**(4), 367-385
- Druyan LM, Fulakeza M, Lonergan P, 2006, Mesoscale analyses of West African summer climate: focus on wave disturbances, *Climate Dynam.*, **27**(5), 459-481
- Dunne S, Entekhabi D, 2006, Land surface state and flux estimation using the ensemble Kalman smoother during the Southern Great Plains 1997 field experiment, *Water Resources Res.*, **42**(1), W01407
- Efthymiadis D, Jones PD, Briffa KR, Auer I, Bohm R, Schoner W, Frei C, Schmidli J, 2006, Construction of a 10-min-gridded precipitation data set for the Greater Alpine Region for 1800-2003, *J. Geophys. Res.-Atmos.*, **111**(D1), D01105
- Evans JP, Smith RB, 2006, Water vapor transport and the production of precipitation in the eastern Fertile Crescent, *J. Hydrometeor.*, **7**(6), 1295-1307
- Fernandez JPR, Franchito SH, Rao VB, 2006, Simulation of the summer circulation over South America by two regional climate models. Part I: Mean climatology, *Theoret. and Appl. Climatol.*, **86**(1-4), 247-260
- Fernandez JPR, Franchito SH, Rao VB, 2006, Simulation of the summer circulation over South America by two regional climate models. Part II: A comparison between 1997/1998 El Nino and 1998/1999 La Nina events, *Theoret. and Appl. Climatol.*, **86**(1-4), 261-270
- Folkins I, 2006, Convective damping of buoyancy anomalies and its effect on lapse rates in the tropical lower troposphere, *Atmos. Chem. Phys.*, **6**, 1-12
- Fontaine B, Louvet S, 2006, Sudan-Sahel rainfall onset: Definition of an objective index, types of years, and experimental hindcasts, *J. Geophys. Res.-Atmos.*, **111**(D20), D20103
- Funk CC, Brown ME, 2006, Intra-seasonal NDVI change projections in semi-arid Africa, *Rem. Sens. Environ.*, **101**(2), 249-256
- Gao X, Dirmeyer PA, 2006, A multimodel analysis, validation, and transferability study of global soil wetness products, *J. Hydrometeor.*, **7**(6), 1218-1236
- Gebremichael M, Over TM, Krajewski WF, 2006, Comparison of the scaling characteristics of rainfall derived from space-based and ground-based radar observations, *J. Hydrometeor.*, **7**(6), 1277-1294
- Grodsky SA, Carton JA, Bingham FM, 2006, Low frequency variation of sea surface salinity in the tropical Atlantic, *Geophys. Res. Let.*, **33**(14), L14604
- Gu GJ, Adler RF, 2006, Interannual rainfall variability in the tropical Atlantic region, *J. Geophys. Res.-Atmos.*, **111**(D02106)
- Guo ZC, Dirmeyer PA, Hu ZZ, Gao X, Zhao M, 2006, Evaluation of the Second Global Soil Wetness Project soil moisture simulations: 2. Sensitivity to external meteorological forcing, *J. Geophys. Res.-Atmos.*, **111**(D22), D22S03
- Hack JJ, Caron JM, Danabasoglu G, Oleson KW, Bitz C, Truesdale JE, 2006, CCSM-CAM3 climate simulation sensitivity to changes in horizontal resolution, *J. Climate*, **19**(11), 2267-2289

- Hack JJ, Caron JM, Yeager SG, Oleson KW, Holland MM, Truesdale JE, Rasch PJ, 2006, Simulation of the global hydrological cycle in the CCSM Community Atmosphere Model version 3 (CAM3): Mean features, *J. Climate*, **19**(11), 2199-2221
- Hagemann S, Arpe K, Roeckner E, 2006, Evaluation of the hydrological cycle in the ECHAM5 model, *J. Climate*, **19**(16), 3810-3827
- Hall F, Masek JG, Collatz GJ, 2006, Evaluation of ISLSCP Initiative IIFASIR and GIMMS NDVI products and implications for carbon cycle science, *J. Geophys. Res.-Atmos.*, **111**(D22), D22S08
- Hall FG, de Colstoun EB, Collatz GJ, Landis D, Dirmeyer P, Betts A, Huffman GJ, Bounoua L, Meeson B, 2006, ISLSCP Initiative II global data sets: Surface boundary conditions and atmospheric forcings for land-atmosphere studies, *J. Geophys. Res. – Atmos.*, **111**(D22), D22S01
- Hernandez JL, Srikishen J, Erickson DJ, Oglesby R, Irwin D, 2006, Regional climate study of Central America using the MM5 modeling system: Results and comparison to observations, *Internat. J. Climatol.*, **26**(15), 2161-2179
- Hong Y, Adler R, Huffman G, 2006, Evaluation of the potential of NASA multi-satellite precipitation analysis in global landslide hazard assessment, *Geophys. Res. Lett.*, **33**, L22402
- Hong Y, Hsu KL, Moradkhani H, Sorooshian S, 2006, Uncertainty quantification of satellite precipitation estimation and Monte Carlo assessment of the error propagation into hydrologic response, *Water Resources Res.*, **42**(8), W08421
- Hossain F, 2006, Towards formulation of a space-borne system for early warning of floods: Can cost-effectiveness outweigh prediction uncertainty?, *Nat. Haz.*, **37**(3), 263-276
- Hossain F, Anagnostou EN, 2006, A two-dimensional satellite rainfall error model, *IEEE Trans. Geosci. Rem. Sens.*, **44**(6), 1511-1522
- Hossain F, Anagnostou EN, 2006, Assessment of a multidimensional satellite rainfall error model for ensemble generation of satellite rainfall data, *IEEE Geosci. Rem. Sens. Lett.*, **3**(3), 419-423
- Hossain F, Lettenmaier DP, 2006, Flood prediction in the future: Recognizing hydrologic issues in anticipation of the Global Precipitation Measurement mission, *Water Resources Res.*, **42**(11), W11301
- Hughes DA, 2006, An evaluation of the potential use of satellite rainfall data for input to water resource estimation models in southern Africa, *Climate Variability and Change – Hydrological Impacts*, IAHS Publication, **308**, 75-80
- Hughes DA, 2006, Comparison of satellite rainfall data with observations from gauging station networks, *J. Hydrol.*, **327**(3-4), 399-410
- Ito A, Sasai T, 2006, A comparison of simulation results from two terrestrial carbon cycle models using three climate data sets, *Tellus B-Chem. and Phys. Meteorol.*, **58**(5), 513-522
- Jung T, Ferranti L, Tompkins AM, 2006, Response to the summer of 2003 Mediterranean SST anomalies over Europe and Africa, *J. Climate*, **19**(20), 5439-5454
- Jupp TE, Taylor CM, Balzter H, George CT, 2006, A statistical model linking Siberian forest fire scars with early summer rainfall anomalies, *Geophys. Res. Lett.*, **33**(14), L14701
- Kanae S, Hirabayashi Y, Yamada T, Oki T, 2006, Influence of "realistic" land surface wetness on predictability of seasonal precipitation in boreal summer, *J. Climate*, **19**(8), 1450-1460
- Kastner M, Torricella F, Davolio S, 2006, Intercomparison of satellite-based and model-based rainfall analyses, *Meteor. Applications*, **13**(3), 213-223

- Kitoh A, Uchiyama T, 2006, Changes in onset and withdrawal of the East Asian summer rainy season by multi-model global warming experiments, *J. Meteorol. Soc. Japan*, **84**(2), 247-258
- Klein SA, Jiang XN, Boyle J, Malyshev S, Xie SC, 2006, Diagnosis of the summertime warm and dry bias over the U.S. Southern Great Plains in the GFDL climate model using a weather forecasting approach, *Geophys. Res. Lett.*, **33**(18), L18805
- Koster RD, Fekete BM, Huffman GJ, Stackhouse PW, 2006, Revisiting a hydrological analysis framework with International Satellite Land Surface Climatology Project Initiative 2 rainfall, net radiation, and runoff fields, *J. Geophys. Res.-Atmos.*, **111**(D22), D22S05
- Koster RD, Guo ZC, Dirmeyer PA, Bonan G, Chan E, Cox P, Davies H, Gordon CT, Kanae S, Kowalczyk E, Lawrence D, Liu P, Lu CH, Malyshev S, McAvaney B, Mitchell K, Mocko D, Oki T, Oleson KW, Pitman A, Sud YC, Taylor CM, Verseghy D, Vasic R, Xue YK, Yamada T, 2006, GLACE: The Global Land-Atmosphere Coupling Experiment. Part I: Overview, *J. Hydrometeorol.*, **7**(4), 590-610
- Koster RD, Suarez MJ, Schubert SD, 2006, Distinct hydrological signatures in observed historical temperature fields, *J. Hydrometeorol.*, **7**(5), 1061-1075
- Kusunoki S, Yoshimura J, Yoshimura H, Noda A, Oouchi K, Mizuta R, 2006, Change of baiu rain band in global warming projection by an atmospheric general circulation model with a 20-km grid size, *J. Meteorol. Soc. Japan*, **84**(4), 581-611
- Kyte EA, Quartly GD, Srokosz MA, Tsimplis MN, 2006, Interannual variations in precipitation: The effect of the North Atlantic and Southern oscillations as seen in a satellite precipitation data set and in models, *J. Geophys. Res.-Atmos.*, **111**(D24), D24113
- Large WG, Danabasoglu G, 2006, Attribution and impacts of upper-ocean biases in CCSM3, *J. Climate*, **19**(11), 2325-2346
- Lau KM, Kim KM, 2006, Observational relationships between aerosol and Asian monsoon rainfall, and circulation, *Geophys. Res. Lett.*, **33**(21), L21810
- Lau NC, Leetmaa A, Nath MJ, 2006, Attribution of atmospheric variations in the 1997-2003 period to SST anomalies in the Pacific and Indian Ocean basins, *J. Climate*, **19**(15), 3607-3628
- Layberry R, Kniveton DR, Todd MC, Kidd C, Bellerby TJ, 2006, Daily precipitation over southern Africa, A new resource for climate studies, *J. Hydrometeorol.*, **7**(1), 149-159
- Lee K, Oh NS, 2006, Investigating the spatial scaling effect of the non-linear hydrological response to precipitation forcing in a physically based land surface model, *Water SA*, **32**(2), 145-154
- Lin JL, Kiladis GN, Mapes BE, Weickmann KM, Sperber KR, Lin W, Wheeler MC, Schubert SD, Del Genio A, Donner LJ, Emori S, Gueremy JF, Hourdin F, Rasch PJ, Roeckner E, Scinocca JF, 2006, Tropical intraseasonal variability in 14 IPCC AR4 climate models. Part I: Convective signals, *J. Climate*, **19**(12), 2665-2690
- Margulis SA, Entekhabi D, McLaughlin D, 2006, Spatiotemporal disaggregation of remotely sensed precipitation for ensemble hydrologic modeling and data assimilation, *J. Hydrometeorol.*, **7**(3), 511-533
- Masek JG, Collatz GJ, 2006, Estimating forest carbon fluxes in a disturbed southeastern landscape: Integration of remote sensing, forest inventory, and biogeochemical modeling, *J. Geophys. Res.-Biogeosci.*, **111**(G1), G01006
- McKenney DW, Pedlar JH, Papadopol P, Hutchison MF, 2006, The development of 1901-2000 historical monthly climate models for Canada and the United States, *Ag. and Forest Meteorol.*, **138**(1-4), 69-81

- Menkes CER, Vialard JG, Kennan SC, Boulanger JP, Madec GV, 2006, A modeling study of the impact of tropical instability waves on the heat budget of the eastern equatorial Pacific, *J. Phys. Oceanog.*, **36**(5), 847-865
- Merlin O, Chehbouni A, Boulet G, Kerr Y, 2006, Assimilation of disaggregated microwave soil moisture into a hydrologic model using coarse-scale meteorological data, *J. Hydrometeorol.*, **7**(6), 1308-1322
- Mizuta R, Oouchi K, Yoshimura H, Noda A, Katayama K, Yukimoto S, Hosaka M, Kusunoki S, Kawai H, Nakagawa M, 2006, 20-km-Mesh global climate simulations using JMA-GSM model - Mean climate states, *J. Meteor. Soc. Japan*, **84**(1), 165-185
- Mo KC, Schemm JE, Kim H, Higgins WR, 2006, Influence of initial conditions on summer precipitation simulations over the United States and Mexico, *J. Climate*, **19**(15), 3640-3658
- Nieto R, Gimeno L, Trigo RM, 2006, A Lagrangian identification of major sources of Sahel moisture, *Geophys. Res. Lett.*, **33**(18), L18707
- Nohara D, Kitoh A, Hosaka M, Oki T, 2006, Impact of climate change on river discharge projected by multimodel ensemble, *J. Hydrometeorol.*, **7**(5), 1076-1089
- Notaro M, Liu Z, Williams JW, 2006, Observed vegetation-climate feedbacks in the United States, *J. Climate*, **19**(5), 763-786
- Olson WS, Kummerow CD, Yang S, Petty GW, Tao WK, Bell TL, Braun SA, Wang Y, Lang SE, Johnson DE, Chiu C, 2006, Precipitation and latent heating distributions from satellite passive microwave radiometry. Part I: Improved method and uncertainties, *J. Appl. Meteor. and Climatol.*, **45**(5), 702-720
- Papa F, Prigent C, Durand F, Rossow WB, 2006, Wetland dynamics using a suite of satellite observations: A case study of application and evaluation for the Indian Subcontinent, *Geophys. Res. Lett.*, **33**(8), L08401
- Phillips TJ, Gleckler PJ, 2006, Evaluation of continental precipitation in 20th century climate simulations: The utility of multimodel statistics, *Water Resources Res.*, **42**(3), W03202
- Pohl B, Camberlin P, 2006, Influence of the Madden-Julian Oscillation on East African rainfall: II. March-May season extremes and interannual variability, *Quart. J. Roy. Meteor. Soc.*, **132**(621), Part B, 2541-2558
- Prigent C, Aires F, Rossow WB, 2006, Land surface microwave emissivities over the globe for a decade, *Bull. Amer. Meteor. Soc.*, **87**(11), 1573+
- Qian TT, Dai AG, Trenberth KE, Oleson KW, 2006, Simulation of global land surface conditions from 1948 to 2004. Part I: Forcing data and evaluations, *J. Hydrometeorol.*, **7**(5), 953-975
- Quante M, Matthias V, 2006, Water in the Earth's atmosphere, *J. de Phys. IV*, **139**, 37-61
- Rajeevan M, Bhate J, Kale JA, Lal B, 2006, High resolution daily gridded rainfall data for the Indian region: Analysis of break and active monsoon spells, *Current Sci.*, **91**(3), 296-306
- Rajendran K, Kitoh A, 2006, Modulation of tropical intraseasonal oscillations by ocean-atmosphere coupling, *J. Climate*, **19**(3), 366-391
- Ramel R, Gallee H, Messager C, 2006, On the northward shift of the West African monsoon, *Cli. Dynam.*, **26**(4), 429-440
- Rasch PJ, Stevens MJ, Ricciardulli L, Dai AG, Negri A, Wood R, Boville BA, Eaton B, Hack JJ, 2006, A characterization of tropical transient activity in the CAM3 atmospheric hydrologic cycle, *J. Climate*, **19**(11), 2222-2242
- Rechid D, Jacob D, 2006, Influence of monthly varying vegetation on the simulated climate in Europe, *Meteorol. Zeit.*, **15**(1), 99-116



- Roeckner E, Stier P, Feichter J, Kloster S, Esch M, Fischer-Bruns I, 2006, Impact of carbonaceous aerosol emissions on regional climate change, *Cli. Dyn.*, **27**(6), 553-571
- Roesch A, Roeckner E, 2006, Assessment of snow cover and surface albedo in the ECHAM5 general circulation model, *J. Climate*, **19**(16), 3828-3843
- Rojas M, 2006, Multiply nested regional climate simulation for southern South America: Sensitivity to model resolution, *Mon. Wea. Rev.*, **134**(8), 2208-2223
- Romanou A, Rossow WB, Chou SH, 2006, Decorrelation scales of high-resolution turbulent fluxes at the ocean surface and a method to fill in gaps in satellite data products, *J. Climate*, **19**(14), 3378-3393
- Roske F, 2006, A global heat and freshwater forcing dataset for ocean models, *Ocean Model.*, **11**(3-4), 235-297
- Sapiano MRP, Stephenson DB, Grubb HJ, Arkin PA, 2006, Diagnosis of variability and trends in a global precipitation dataset using a physically motivated statistical model, *J. Cli.*, **19**(17), 4154-4166
- Schmidt GA, Ruedy R, Hansen JE, Aleinov I, Bell N, Bauer M, Bauer S, Cairns B, Canuto V, Cheng Y, Del Genio A, Faluvegi G, Friend AD, Hall TM, Hu YY, Kelley M, Kiang NY, Koch D, Lacis AA, Lerner J, Lo KK, Miller RL, Nazarenko L, Oinas V, Perlwitz J, Perlwitz J, Rind D, Romanou A, Russell GL, Sato M, Shindell DT, Stone PH, Sun S, Tausnev N, Thresher D, Yao MS, 2006, Present-day atmospheric simulations using GISS ModelE: Comparison to in situ, satellite, and reanalysis data, *J. Climate*, **19**(2), 153-192
- Sears-Collins AL, Schultz DM, Johns RH, 2006, Spatial and temporal variability of nonfreezing drizzle in the United States and Canada, *J. Climate*, **19**(15), 3629-3639
- Sen Gupta A, England MH, 2006, Coupled ocean-atmosphere-ice response to variations in the Southern Annular Mode, *J. Cli.*, **19**(18), 4457-4486
- Seneviratne SI, Koster RD, Guo ZC, Dirmeyer PA, Kowalczyk E, Lawrence D, Liu P, Lu CH, Mocko D, Oleson KW, Verseghy D, 2006, Soil moisture memory in AGCM simulations: Analysis of global land-atmosphere coupling experiment (GLACE) data, *J. Hydrometeor.*, **7**(5), 1090-1112
- Sengupta D, Raj GNB, Shenoi SSC, 2006, Surface freshwater from Bay of Bengal runoff and Indonesian throughflow in the Tropical Indian Ocean, *Geophys. Res. Lett.*, **33**(22), L22609
- Sens-Schonfelder C, Wegler U, 2006, Passive image interferometry and seasonal variations of seismic velocities at Merapi Volcano, Indonesia, *Geophys. Res. Lett.*, **33**(21), L21302
- Sheffield J, Goteti G, Wood EF, 2006, Development of a 50-year high-resolution global dataset of meteorological forcings for land surface modeling, *J. Climate*, **19**(13), 3088-3111
- Shein KA, Waple AM, Menne MJ, Christy JC, Levinson DH, Lawrimore JH, Wuertz DB, Xie P, Janowiak JE, Robinson DA, Schnell RC, Elkins JW, Dutton GS, Levy JM, Reynolds RW, Johnson GC, Lyman JM, Willis JK, Yu L, Weller RA, Lumpkin R, Goni G, Baringer MO, Meinen CS, Merrifield MA, Gill S, Mitchum GT, Sabine CL, Feely RA, Wanninkhof R, Diamond HJ, Bell GD, Halpert MS, McPhaden MJ, Blake E, Mo KC, Landsea CW, Pasch R, Chelliah M, Goldenberg SB, Bourassa MA, Smith SR, Hughes P, Rolph J, Camargo SJ, Gleason KL, Salinger MJ, Watkins AB, Burgess SM, Richter-Menge J, Overland J, Proshutinsky A, Romanovsky V, Gascard JC, Karcher M, Maslanik J, Perovich D, Shiklomanov A, Walker D, Box JE, Oludhe C, Ambenje P, Ogallo L, Kabidi K, Thiaw WM, Gill T, Landman WA, Kocot C, Phillips D, Whitewood R, Vazquez MO, Grover-Kopec EK, Rusticuci M, Camacho JL, Pabon JD, Marengo JA, Martinez R, Bidegain M, Bulygina ON, Korshunova NN, Razuvaev VN, Ren F, Gao G, Rajeevan M, Kumar KR, Rahimzadeh F,

- Khoshkam M, Kennedy JJ, Achberger C, Chen D, Trigo R, Garcia-Herrera R, Paredes D, Watkins AB, Salinger MJ, Rachold V, Cappelen J, Heino R, Saku S, Parker D, Jonsson T, Walsh J, Bengtsson L, Maslowski W, Przybylak R, Forland E, Iden KA, Groisman P, Zhang HM, Angel WE, Guttman N, Whitehurst T, Brown W, Stephens S, Gleason B, LeDuc S, Easterling D, Alexandersson H, 2006, State of the climate in 2005, *Bull. Amer. Meteor. Soc.*, **87**(6), Suppl. S, S6-S102
- Shiao CH, Juang HMH, 2006, Sensitivity study of the climate simulation over East Asia with the CWB regional spectral model, *Terrestrial Atmos. and Oceanic Sci.*, **17**(3), 593-612
- Smith TM, Arkin PA, Bates JJ, Huffman GJ, 2006, Estimating bias of satellite-based precipitation estimates, *J. Hydrometeor.*, **7**(5), 841-856
- Smith TM, Yin XG, Gruber A, 2006, Variations in annual global precipitation (1979-2004), based on the Global Precipitation Climatology Project 2.5 degrees analysis, *Geophys. Res. Lett.*, **33**(6), L06705
- Spence JP, Weaver AJ, 2006, The impact of tropical Atlantic freshwater fluxes on the North Atlantic meridional overturning circulation, *J. Cli.*, **19**(18), 4592-4604
- Staubwasser M, 2006, An overview of Holocene South Asian monsoon records - Monsoon domains and regional contrasts, *J. Geolog. Soc. India*, **68**(3), 433-446
- Sud YC, Mocko DM, Lin SJ, 2006, Performance of two cloud-radiation parameterization schemes in the finite volume general circulation model for anomalously wet May and June 2003 over the continental United States and Amazonia, *J. Geophys. Res.-Atmos.*, **111**(D6), D06201
- Sun S, Bleck R, 2006, Multi-century simulations with the coupled GISS-HYCOM climate model: control experiments, *Cli. Dynam.*, **26**(4), 407-428
- Sun Y, Solomon S, Dai AG, Portmann RW, 2006, How often does it rain?, *J. Climate*, **19**(6), 916-934
- Swenson S, Wahr J, 2006, Estimating large-scale precipitation minus evapotranspiration from GRACE satellite gravity measurements, *J. Hydrometeor.*, **7**(2), 252-270
- Taniguchi K, Koike T, 2006, Comparison of definitions of Indian summer monsoon onset: Better representation of rapid transitions of atmospheric conditions, *Geophys. Res. Lett.*, **33**(2), L02709
- Tarasova TA, Fernandez JPR, Pisnichenko IA, Marengo JA, Ceballos JC, Bottino MJ, 2006, Impact of new solar radiation parameterization in the Eta model on the simulation of summer climate over South America, *J. Appl. Meteor. Climatol.*, **45**(2), 318-333
- Tost H, Jockel P, Lelieveld J, 2006, Influence of different convection parameterisations in a GCM, *Atmos. Chem. and Phys.*, **6**, 5475-5493
- Tournadre J, 2006, Improved level-3 oceanic rainfall retrieval from dual-frequency spaceborne radar altimeter systems, *J. Atmos. Ocean. Technol.*, **23**(8), 1131-1149
- Tselioudis G, Rossow WB, 2006, Climate feedback implied by observed radiation and precipitation changes with midlatitude storm strength and frequency, *Geophys. Res. Lett.*, **33**(2), L02704
- Turk J, Bauer P, 2006, The International Precipitation Working Group and its role in the improvement of quantitative precipitation measurements, *Bull. Amer. Meteor. Soc.*, **87**(5), 643-647
- van der Werf GR, Randerson JT, Giglio L, Collatz GJ, Kasibhatla PS, Arellano AF, 2006, Interannual variability in global biomass burning emissions from 1997 to 2004, *Atmos. Chem. Phys.*, **6**, 3423-3441

- Vasiliev LN, 2006, Perturbation in global precipitation from multi-temporal remote sensing, *Global Developments in Environmental Earth Observation from Space*, 175-182
- Vintzileos A, Thiaw WM, 2006, On the forecast of cumulative precipitation at subseasonal time-scales over the Sahel, *Geophys. Res. Let.*, **33**(14), L14703 J
- Wang B, Ding QH, 2006, Changes in global monsoon precipitation over the past 56 years, *Geophys. Res. Let.*, **33**(6), L06711
- Wang CZ, 2006, An overlooked feature of tropical climate: Inter-Pacific-Atlantic variability, *Geophys. Res. Let.*, **33**(12), L12702
- Wang CZ, Enfield DB, Lee SK, Landsea CW, 2006, Influences of the Atlantic warm pool on western hemisphere summer rainfall and Atlantic hurricanes, *J. Climate*, **19**(12), 3011-3028
- Wang HL, Lau KM, 2006, Atmospheric hydrological cycle in the tropics in twentieth century coupled climate simulations, *Internat. J. Climatol.*, **26**(5), 655-678
- Wen J, Jackson TJ, Bindlish R, Su ZB, 2006, Evaluation of the Oceansat-1 Multi-frequency Scanning Microwave Radiometer and its potential for soil moisture retrieval, *Internat. J. Rem. Sens.*, **27**(18), 3781-3796
- Wittenberg AT, Rosati A, Lau NC, Ploshay JJ, 2006, GFDL's CM2 global coupled climate models. Part III: Tropical pacific climate and ENSO, *J. Climate*, **19**(5), 698-722
- Wu RG, Kirtman BP, Pegion K, 2006, Local air-sea relationship in observations and model simulations, *J. Cli.*, **19**(19), 4914-4932
- Xia YL, 2006, Optimization and uncertainty estimates of WMO regression models for the systematic bias adjustment of NLDAS precipitation in the United States, *J. Geophys. Res.-Atmos.*, **111**(D8), D08102
- Yamamoto MK, Higuchi A, Nakamura K, 2006, Vertical and horizontal structure of winter precipitation systems over the western Pacific around Japan using TRMM data, *J. Geophys. Res.-Atmos.*, **111**(D13), D13108
- Yang S, Smith EA, 2006, Mechanisms for diurnal variability of global tropical rainfall observed from TRMM, *J. Climate*, **19**(20), 5190-5226
- Yaremchuk M, 2006, Sea surface salinity constrains rainfall estimates over tropical oceans, *Geophys. Res. Let.*, **33**(15), L15605
- Yasunaga K, Yoshizaki M, Wakazuki Y, Muroi C, Kurihara K, Hashimoto A, Kanada S, Kato T, Kusunok S, Oouchi K, Yoshimura H, Mizuta R, Noda A, 2006, Changes in the Baiu frontal activity in the future climate simulated by super-high-resolution global and cloud-resolving regional climate models, *J. Meteor. Soc. Japan*, **84**(1), 199-220
- Yatagai A, Xie PP, 2006, Utilization of a rain-gauge-based daily precipitation dataset over Asia for validation of precipitation derived from TRMM/PR and JRA-25, *Rem. Sens. and Modeling of the Atmos., Oceans, and Interactions, Proceedings of the SPIE*, **6404**, M4040-M4040
- Yukimoto S, Noda A, Kitoh A, Hosaka M, Yoshimura H, Uchiyama T, Shibata K, Arakawa O, Kusunoki S, 2006, Present-day climate and climate sensitivity in the Meteorological Research Institute coupled GCM version 2.3 (MRI-CGCM2.3), *J. Meteorol. Soc. Japan*, **84**(2), 333-363
- Zhao TB, Fu CB, 2006, Comparison of products from ERA-40, NCEP-2, and CRU with station data for summer precipitation over China, *Adv. Atmos. Sci.*, **23**(4), 593-604

2005

- Aldrian E, Sein D, Jacob D, Gates LD, Podzun R, 2005, Modelling Indonesian rainfall with a coupled regional model, *Cli. Dynam.*, **25**(1), 1-17
- Ali A, Amani A, Diedhiou A, Lebel T, 2005, Rainfall estimation in the Sahel. Part II: Evaluation of rain gauge networks in the CILSS countries and objective intercomparison of rainfall products, *J. Appl. Meteor.*, **44**(11), 1707-1722
- Ali A, Lebel T, Amani A, 2005, Rainfall estimation in the Sahel. Part I: Error function, *J. Appl. Meteor.*, **44**(11), 1691-1706
- Andersson E, Bauer P, Beljaars A, Chevallier F, Holm E, Janiskova M, Kallberg P, Kelly G, Lopez P, McNally A, Moreau E, Simmons AJ, Thepaut JN, Tompkins AM, 2005, Assimilation and modeling of the atmospheric hydrological cycle in the ECMWF forecasting system, *Bull. Amer. Meteor. Soc.*, **86**(3), 387+
- Bao ZH, Ye HC, Taylor PA, 2005, Summer regional rainfall over southern Ontario and its associations with outgoing longwave radiation and moisture convergence, *Meteorol. Appl.*, **12**(2), 161-167
- Barlow M, Wheeler M, Lyon B, Cullen H, 2005, Modulation of daily precipitation over southwest Asia by the Madden-Julian oscillation, *Mon. Wea. Rev.*, **133**(12), 3579-3594
- Barreiro M, Chang P, Saravanan R, 2005, Simulated precipitation response to SST forcing and potential predictability in the region of the South Atlantic convergence zone, *Cli. Dynam.*, **24**(1), 105-114
- Beres JH, Garcia RR, Boville BA, Sassi F, 2005, Implementation of a gravity wave source spectrum parameterization dependent on the properties of convection in the Whole Atmosphere Community Climate Model (WACCM), *J. Geophys. Res.-Atmos.*, **110**(D10), D10108
- Berg AA, Famiglietti JS, Rodell M, Reichle RH, Jambor U, Holl SL, Houser PR, 2005, Development of a hydrometeorological forcing data set for global soil moisture estimation, *Internat. J. Climatol.*, **25**(13), 1697-1714
- Berg W, Kummerow C, 2005, The climate rainfall data center - An online data service center, *Bull. Amer. Meteor. Soc.*, **86**(9), 1237-1240
- Bond-Lamberty B, Gower ST, Ahl DE, Thornton PE, 2005, Reimplementation of the Biome-BGC model to simulate successional change, *Tree Physiol.*, **25**(4), 413-424
- Boyle JS, Williamson D, Cederwall R, Fiorino M, Hnilo J, Olson J, Phillips T, Potter G, Xie S, 2005, Diagnosis of Community Atmospheric Model 2 (CAM2) in numerical weather forecast configuration at Atmospheric Radiation Measurement sites, *J. Geophys. Res.-Atmos.*, **110**(D15), D15S15
- Bradford JB, Hicke JA, Lauenroth WK, 2005, The relative importance of light-use efficiency modifications from environmental conditions and cultivation for estimation of large-scale net primary productivity, *Rem. Sens. Environ.*, **96**(2), 246-255
- Chang ATC, Kelly REJ, Josberger EG, Armstrong RL, Foster JL, Mognard NM, 2005, Analysis of ground-measured and passive-microwave-derived snow depth variations in midwinter across the northern Great Plains, *J. Hydrometeorol.*, **6**(1), 20-33
- Chen TC, Yoon JH, Wang SY, 2005, Westward propagation of the Indian monsoon depression, *Tellus A-Dynam. Meteor. Oceanog.*, **57**(5), 758-769
- Christian JR, 2005, Biogeochemical cycling in the oligotrophic ocean: Redfield and non-Redfield models, *Limnol. Oceanog.*, **50**(2), 646-657

- Crow WT, Bindlish R, Jackson TJ, 2005, The added value of spaceborne passive microwave soil moisture retrievals for forecasting rainfall-runoff partitioning, *Geophys. Res. Let.*, **32**(18), L18401
- de Szoek SP, Bretherton CS, 2005, Variability in the southerly flow into the eastern Pacific ITCZ, *J. Atmos. Sci.*, **62**(12), 4400-4411
- Doblas-Reyes FJ, Hagedorn R, Palmer TN, 2005, The rationale behind the success of multi-model ensembles in seasonal forecasting - II. Calibration and combination, *Tellus A-Dynam. Meteor. Oceanog.*, **57**(3), 234-252
- Dore MHI, 2005, Climate change and changes in global precipitation patterns: What do we know?, *Environ. Internat.*, **31**(8), 1167-1181
- Douville H, 2005, Limitations of time-slice experiments for predicting regional climate change over South Asia, *Cli. Dynam.*, **24**(4), 373-391
- Ebert E, Kusselson S, Turk M, 2005, Validation of Tropical Rainfall Potential (TRaP) forecasts for Australian tropical cyclones, *Austral. Meteor. Mag.*, **54**(2), 121-135
- Emori S, Hasegawa A, Suzuki T, Dairaku K, 2005, Validation, parameterization dependence, and future projection of daily precipitation simulated with a high-resolution atmospheric GCM, *Geophys. Res. Let.*, **32**(6), L06708
- Ferraro R, Pellegrino P, Turk M, Chen WC, Qiu SH, Kuligowski R, Kusselson S, Irving A, Kidder S, Knaff J, 2005, The tropical rainfall potential (TRaP) technique. Part II: Validation, *Wea. and Forecasting*, **20**(4), 465-475
- Fil C, Dubus L, 2005, Winter climate regimes over the North Atlantic and European region in ERA40 reanalysis and DEMETER seasonal hindcasts, *Tellus A-Dynam. Meteor. Oceanog.*, **57**(3), 290-307
- Friend AD, Kiang NY, 2005, Land surface model development for the GISS GCM: Effects of improved canopy physiology on simulated climate, *J. Climate*, **18**(15), 2883-2902
- Gebremichael M, Krajewski WF, 2005, Modeling distribution of temporal sampling errors in area-time-averaged rainfall estimates, *Atmos. Res.*, **73**(3-4), 243-259
- Gebremichael M, Krajewski WF, Morrissey ML, Huffman GJ, Adler RF, 2005, A detailed evaluation of GPCP 1 degrees daily rainfall estimates over the Mississippi river basin, *J. Appl. Meteor.*, **44**(5), 665-681
- Geerts B, Dejene T, 2005, Regional and diurnal variability of the vertical structure of precipitation systems in Africa based on spaceborne radar data, *J. Climate*, **18**(7), 893-916
- Gottschalck J, Meng J, Rodell M, Houser P, 2005, Analysis of multiple precipitation products and preliminary assessment of their impact on global land data assimilation system land surface states, *J. Hydrometeor.*, **6**(5), 573-598
- Gu GJ, Adler RF, Sobel AH, 2005, The eastern Pacific ITCZ during the boreal spring, *J. Atmos. Sci.*, **62**(4), 1157-1174
- Ha KJ, Park SK, Kim KY, 2005, On interannual characteristics of Climate Prediction Center merged analysis precipitation over the Korean peninsula during the summer monsoon season, *Internat. J. Climatol.*, **25**(1), 99-116
- Herrmann SM, Anyamba A, Tucker CJ, 2005, Recent trends in vegetation dynamics in the African Sahel and their relationship to climate, *Global Environ. Change-Human Policy Dim.*, **15**(4), 394-404
- Hess PG, 2005, A comparison of two paradigms: The relative global roles of moist convective versus nonconvective transport, *J. Geophys. Res.-Atmos.*, **110**(D20), D20302

- Hirabayashi Y, Kanae S, Struthers I, Oki T, 2005, A 100-year (1901-2000) global retrospective estimation of the terrestrial water cycle, *J. Geophys. Res.-Atmos.*, **110**(D19), D19101
- Hong G, Heygster G, Kunzi K, 2005, Intercomparison of deep convective cloud fractions from passive infrared and microwave radiance measurements, *IEEE Geosci. Rem. Sens. Let.*, **2**(1), 18-22
- Hong G, Heygster G, Miao JG, Kunzi K, 2005, Detection of tropical deep convective clouds from AMSU-B water vapor channels measurements, *J. Geophys. Res.-Atmos.*, **110**(D5), D05205
- Hong Y, Hsu KL, Sorooshian S, Gao XG, 2005, Improved representation of diurnal variability of rainfall retrieved from the Tropical Rainfall Measurement Mission Microwave Imager adjusted Precipitation Estimation From Remotely Sensed Information Using Artificial Neural Networks (PERSIANN) system, *J. Geophys. Res.-Atmos.*, **110**(D6), D06102
- Hong Y, Hsu KL, Sorooshian S, Gao XG, 2005, Self-organizing nonlinear output (SONO): A neural network suitable for cloud patch-based rainfall estimation at small scales, *Water Resources Res.*, **41**(3), W03008
- Huang BY, Mehta VM, 2005, Response of the Pacific and Atlantic oceans to interannual variations in net atmospheric freshwater, *J. Geophys. Res.-Oceans*, **110**(C8), Art. No. C08008
- Huang BY, Mehta VM, Schneider N, 2005, Oceanic response to idealized net atmospheric freshwater in the Pacific at the decadal time scale, *J. Phys. Oceanog.*, **35**(12), 2467-2486
- Janakiraman S, Nanjundiah RS, Vinayachandran PN, 2005, Simulations of the Indian summer monsoon with a coupled ocean-atmosphere model on PARAM Padma, *Current Sci.*, **89**(9), 1555-1562
- Janowiak JE, Kousky VE, Joyce RJ, 2005, Diurnal cycle of precipitation determined from the CMORPH high spatial and temporal resolution global precipitation analyses, *J. Geophys. Res.-Atmos.*, **110**(D23), D23105
- Jiang JH, Eckermann SD, Wu DL, Hocke K, Wang B, Ma J, Zhang Y, 2005, Seasonal variation of gravity wave sources from satellite observation, *Adv. Space Res.*, **35**(11), 1925-1932
- Josey SA, Marsh R, 2005, Surface freshwater flux variability and recent freshening of the North Atlantic in the eastern subpolar gyre, *J. Geophys. Res.-Oceans*, **110**(C5), C05008
- Kebe CMF, Sauvageot H, Nzeukou A, 2005, The relation between rainfall and area-time integrals at the transition from an arid to an equatorial climate, *J. Climate*, **18**(18), 3806-3819
- Kharin VV, Zwiers FW, Zhang XB, 2005, Intercomparison of near-surface temperature and precipitation extremes in AMIP-2 simulations, reanalyses, and observations, *J. Climate*, **18**(24), 5201-5223
- Kitoh A, Hosaka M, Adachi Y, Kamiguchi K, 2005, Future projections of precipitation characteristics in East Asia simulated by the MRI CGCM2, *Adv. Atmos. Sci.*, **22**(4), 467-478
- Klepp CP, Bakan S, Grassl H, 2005, Missing North Atlantic cyclonic precipitation in ECMWF numerical weather prediction and ERA-40 data detected through the satellite climatology HOAPS II, *Meteorol. Zeit.*, **14**(6), 809-821
- Kumar MRR, Shenoi SSC, Schulz J, 2005, Impact of convection over the equatorial trough on summer monsoon activity over India, *Internat. J. Rem. Sens.*, **26**(21), 4747-4762
- Kumar MRR, Sreejith OP, 2005, On some aspects of precipitation over the tropical Indian Ocean using satellite data, *Internat. J. Rem. Sens.*, **26**(8), 1717-1728

- Lang R, Lawrence MG, 2005, Evaluation of the hydrological cycle of MATCH driven by NCEP reanalysis data: comparison with GOME water vapor measurements, *Atmos. Chem. Phys.*, **5**, 887-908
- Lang R, Lawrence MG, 2005, Improvement of the vertical humidity distribution in the chemistry-transport model MATCH through increased evaporation of convective precipitation, *Geophys. Res. Lett.*, **32**(L17812)
- Lau KM, Wu HT, Sud YC, Walker GK, 2005, Effects of cloud microphysics on tropical atmospheric hydrologic processes and intraseasonal variability, *J. Climate*, **18**(22), 4731-4751
- Lau NC, Leetmaa A, Nath MJ, Wang HL, 2005, Influences of ENSO-induced Indo-Western Pacific SST anomalies on extratropical atmospheric variability during the boreal summer, *J. Climate*, **18**(15), 2922-2942
- Lawrence DM, Slingo JM, 2005, Weak land-atmosphere coupling strength in HadAM3: The role of soil moisture variability, *J. Hydrometeorol.*, **6**(5), 670-680
- Lee CT, Wu MC, Chen SC, 2005, Regional spectral model simulations of the summertime regional climate over Taiwan and adjacent areas, *Terr. Atmos. Oc. Sci.*, **16**(2), 487-511
- Li R, Fu YF, 2005, Tropical precipitation estimated by GPCP and TRMM PR observations, *Adv. Atmos. Sci.*, **22**(6), 852-864
- Lim JOJ, Hong SY, 2005, Effects of bulk ice microphysics on the simulated monsoonal precipitation over east Asia, *J. Geophys. Res.-Atmos.*, **110**(D24), D24201
- Lindau R, Simmer C, 2005, Derivation of a root zone soil moisture algorithm and its application to validate model data, *Nord. Hydrol.*, **36**(4-5), 335-348
- Lu CH, Kanamitsu M, Roads JO, Ebisuzaki W, Mitchell KE, Lohmann D, 2005, Evaluation of soil moisture in the NCEP-NCAR and NCEP-DOE global reanalyses, *J. Hydrometeorol.*, **6**(4), 391-408
- Lu RY, Dong BW, 2005, Impact of Atlantic sea surface temperature anomalies on the summer climate in the western North Pacific during 1997-1998, *J. Geophys. Res.-Atmos.*, **110**(D16), D16102
- Lyon B, Barnston AG, 2005, ENSO and the spatial extent of interannual precipitation extremes in tropical land areas, *J. Climate*, **18**(23), 5095-5109
- Marengo JA, 2005, Characteristics and spatio-temporal variability of the Amazon River Basin Water Budget, *Cli. Dynam.*, **24**(1), 11-22
- McPhee J, Margulis SA, 2005, Validation and error characterization of the GPCP-1DD precipitation product over the contiguous United States, *J. Hydrometeorol.*, **6**(4), 441-459
- Mehta VM, DeCandis AJ, Mehta AV, 2005, Remote-sensing-based estimates of the fundamental global water cycle: Annual cycle, *J. Geophys. Res.-Atmos.*, **110**(D22), D22103
- Milly PCD, Dunne KA, Vecchia AV, 2005, Global pattern of trends in streamflow and water availability in a changing climate, *Nature*, **438**(7066), 347-350
- Mitchell TD, Jones PD, 2005, An improved method of constructing a database of monthly climate observations and associated high-resolution grids, *Internat. J. Climatol.*, **25**(6), 693-712
- Mo KC, Chelliah M, Carrera ML, Higgins RW, Ebisuzaki W, 2005, Atmospheric moisture transport over the United States and Mexico as evaluated in the NCEP regional reanalysis, *J. Hydrometeorol.*, **6**(5), 710-728

- Nakanowatari T, Minobe S, 2005, Moisture balance for bidecadal variability of wintertime precipitation in the north pacific using NCEP/NCAR reanalysis, *J. Meteor. Soc. Japan*, **83**(4), 453-469
- Nezlin NP, Kostianoy AG, Li BL, 2005, Inter-annual variability and interaction of remote-sensed vegetation index and atmospheric precipitation in the Aral Sea region, *J. Arid Environ.*, **62**(4), 677-700
- Nezlin NP, Stein ED, 2005, Spatial and temporal patterns of remotely-sensed and field-measured rainfall in southern California, *Rem. Sens. Environ.*, **96**(2), 228-245
- Nicholson SE, 2005, On the question of the "recovery" of the rains in the West African Sahel, *J. Arid Environ.*, **63**(3), 615-641
- Nunes AMB, Roads JO, 2005, Improving regional model simulations with precipitation assimilation, *Earth Interact.*, **9**, 20
- Onogi K, Koide H, Sakamoto M, Kobayashi S, Tsutsui J, Hatsushika H, Matsumoto T, Yamazaki N, Kamahori H, Takahashi K, Kato K, Oyama R, Ose T, Kadokura S, Wada K, 2005, JRA-25: Japanese 25-year re-analysis project - progress and status, *Quart. J. Roy. Meteor. Soc.*, **131**(613), Part C, 3259-3268
- Parker DJ, Burton RR, Diongue-Niang A, Ellis RJ, Felton M, Taylor CM, Thorncroft CD, Bessemoulin P, Tompkins AM, 2005, The diurnal cycle of the West African monsoon circulation, *Quart. J. Roy. Meteor. Soc.*, **131**(611), Part A, 2839-2860
- Pohl B, Camberlin P, Roucou P, 2005, Typology of pentad circulation anomalies over the Eastern Africa-Western Indian Ocean region, and their relationship with rainfall, *Cli. Res.*, **29**(2), 111-127
- Randerson JT, van der Werf GR, Collatz GJ, Giglio L, Still CJ, Kasibhatla P, Miller JB, White JWC, DeFries RS, Kasischke ES, 2005, Fire emissions from C-3 and C-4 vegetation and their influence on interannual variability of atmospheric CO<sub>2</sub> and delta(CO<sub>2</sub>)-C-13, *Global Biogeochem. Cycles*, **19**(2), GB2019
- Ricci S, Weaver AT, Vialard J, Rogel P, 2005, Incorporating state-dependent temperature-salinity constraints in the background error covariance of variational ocean data assimilation, *Mon. Wea. Rev.*, **133**(1), 317-338
- Roe GH, 2005, Orographic precipitation, *Ann. Rev. Earth Planet. Sci.*, **33**, 645-671
- Rudari R, Entekhabi D, Roth G, 2005, Large-scale atmospheric patterns associated with mesoscale features leading to extreme precipitation events in Northwestern Italy, *Adv. Water Resources*, **28**(6), 601-614
- Sato T, 2005, Impact of diabatic heating over the Tibetan Plateau on subsidence over northeast Asian arid region, *Geophys. Res. Lett.*, **32**(5), L05809
- Seager R, Harnik N, Robinson WA, Kushnir Y, Ting M, Huang HP, Velez J, 2005, Mechanisms of ENSO-forcing of hemispherically symmetric precipitation variability, *Quart. J. Roy. Meteor. Soc.*, **131**(608), Part B, 1501-1527
- Serreze MC, Barrett AP, Lo F, 2005, Northern high-latitude precipitation as depicted by atmospheric reanalyses and satellite retrievals, *Mon. Wea. Rev.*, **133**(12), 3407-3430
- Sudradjat A, Ferraro RR, Fiorino M, 2005, A comparison of total precipitable water between reanalyses and NVAP, *J. Climate*, **18**(11), 1790-1807
- Takemura T, Nozawa T, Emori S, Nakajima TY, Nakajima T, 2005, Simulation of climate response to aerosol direct and indirect effects with aerosol transport-radiation model, *J. Geophys. Res.-Atmos.*, **110**(D2), D02202



- Taylor CM, Parker DJ, Lloyd CR, Thorncroft CD, 2005, Observations of synoptic-scale land surface variability and its coupling with the atmosphere, *Quart. J. Roy. Meteor. Soc.*, **131**(607), 913-937 Part A
- Trenberth KE, Shea DJ, 2005, Relationships between precipitation and surface temperature, *Geophys. Res. Lett.*, **32**(14), L14703
- Turk FJ, Miller SD, 2005, Toward improved characterization of remotely sensed precipitation regimes with MODIS/AMSR-E blended data techniques, *IEEE Trans. Geosci. Rem. Sens.*, **43**(5), 1059-1069
- Uppala SM, Kallberg PW, Simmons AJ, Andrae U, Bechtold VD, Fiorino M, Gibson JK, Haseler J, Hernandez A, Kelly GA, Li X, Onogi K, Saarinen S, Sokka N, Allan RP, Andersson E, Arpe K, Balmaseda MA, Beljaars ACM, Van De Berg L, Bidlot J, Bormann N, Caires S, Chevallier F, Dethof A, Dragosavac M, Fisher M, Fuentes M, Hagemann S, Holm E, Hoskins BJ, Isaksen I, Janssen PAEM, Jenne R, McNally AP, Mahfouf JF, Morcrette JJ, Rayner NA, Saunders RW, Simon P, Sterl A, Trenberth KE, Untch A, Vasiljevic D, Viterbo P, Woollen J, 2005, The ERA-40 re-analysis, *Quart. J. Roy. Meteor. Soc.*, **131**(612), Part B, 2961-3012
- Vasil'ev LN, Kachalin AB, Tyufin AS, 2005, Interrupted equilibrium in global precipitation during El Nino periods, *Doklady Earth Sci.*, **403**(6), 966-971
- Veiga JAP, Rao VB, Franchito SH, 2005, Heat and moisture budgets of the Walker circulation and associated rainfall anomalies during El Nino events, *Internat. J. Climatol.*, **25**(2), 193-213
- Vimeux F, Gallaire R, Bony S, Hoffmann G, Chiang JCH, 2005, What are the climate controls on delta D in precipitation in the Zongo Valley (Bolivia)? Implications for the Illimani ice core interpretation, *Earth Planet. Sci. Lett.*, **240**(2), 205-220
- Vintzileos A, Rienecker MM, Suarez MJ, Schubert SD, Miller SK, 2005, Local versus remote wind forcing of the equatorial Pacific surface temperature in July 2003, *Geophys. Res. Lett.*, **32**(5), L05702
- Vizy EK, Cook KH, 2005, Evaluation of Last Glacial Maximum sea surface temperature reconstructions through their influence on South American climate, *J. Geophys. Res.-Atmos.*, **110**(D11), D11105
- Wang CC, Chen GTJ, Carbone RE, 2005, Variability of warm-season cloud episodes over east Asia based on GMS infrared brightness temperature observations, *Mon. Wea. Rev.*, **133**(6), 1478-1500
- Warner C, 2005, Entropy sources in equilibrium conditions over a tropical ocean, *J. Atmos. Sci.*, **62**(5), 1588-1600
- Werth D, Avissar R, 2005, The local and global effects of African deforestation, *Geophys. Res. Lett.*, **32**(12), L12704
- Wijesekera HW, Rudnick DL, Paulson CA, Pierce SD, Pegau WS, Mickett J, Gregg MC, 2005, Upper ocean heat and freshwater budgets in the eastern Pacific warm pool, *J. Geophys. Res.-Oceans*, **110**(C8), C08004
- Willmott CJ, Johnson ML, 2005, Resolution errors associated with gridded precipitation fields, *Internat. J. Climatol.*, **25**(15), 1957-1963
- Yang S, Smith EA, 2005, Resolving SSM/I-ship radar rainfall discrepancies from AIP-3, *Adv. Atmos. Sci.*, **22**(6), 903-914
- Yaremchuk M, Yu Z, McCreary J, 2005, River discharge into the Bay of Bengal in an inverse ocean model, *Geophys. Res. Lett.*, **32**(16), L16605

- Yasunaga K, Sasaki H, Wakazuki Y, Kato T, Muroi C, Hashimoto A, Kanada S, Kurihara K, Yoshizaki M, Sato Y, 2005, Performance of long-term integrations of the Japan Meteorological Agency nonhydrostatic model using the spectral boundary coupling method, *Wea. Fcst.*, **20**(6), 1061-1072
- Yilmaz KK, Gupta H, Hogue TS, Hsu KL, Wagener T, Sorooshian S, 2005, Evaluating the utility of satellite-based precipitation estimates for runoff prediction in ungauged basins, *Regional Hydrol. Impacts of Climatic Change - Impact Assess. and Decision Making (IAHS Publication)*, **295**, 273-282
- Yilmaz KK, Hogue TS, Hsu KL, Sorooshian S, Gupta HV, Wagener T, 2005, Intercomparison of rain gauge, radar, and satellite-based precipitation estimates with emphasis on hydrologic forecasting, *J. Hydrometeor.*, **6**(4), 497-517
- Yoon JH, Chen TC, 2005, Water vapor budget of the Indian monsoon depression, *Tellus Ser. A-Dynam. Meteor. Oceanog.*, **57**(5), 770-782
- Zender CS, Kwon EY, 2005, Regional contrasts in dust emission responses to climate, *J. Geophys. Res.-Atmos.*, **110**(D13), D13201
- Zhang CD, 2005, Madden-Julian oscillation, *Rev. Geophys.*, **43**(2), RG2003
- Ziemanski MZ, Grabowski WW, Moncrieff MW, 2005, Explicit convection over the western Pacific warm pool in the community atmospheric model, *J. Climate*, **18**(10), 1482-1502
- Zveryaev II, Allan RP, 2005, Water vapor variability in the tropics and its links to dynamics and precipitation, *J. Geophys. Res.-Atmos.*, **110**(D21), D21112

## 2004

- Aldrian E, Dumenil-Gates L, Jacob D, Podzun R, Gunawan D, 2004, Long-term simulation of Indonesian rainfall with the MPI regional model, *Cli. Dynam.*, **22**(8), 795-814
- Anagnostou EN, 2004, Overview of overland satellite rainfall estimation for hydro-meteorological applications, *Surveys Geophys.*, **25**(5-6), 511-537
- Anderson JL, Balaji V, Broccoli AJ, Cooke WF, Delworth TL, Dixon KW, Donner LJ, Dunne KA, Freidenreich SM, Garner ST, Gudgel RG, Gordon CT, Held IM, Hemler RS, Horowitz LW, Klein SA, Knutson TR, Kushner PJ, Langenhost AR, Lau NC, Liang Z, Malyshev SL, Milly PCD, Nath MJ, Ploshay JJ, Ramaswamy V, Schwarzkopf MD, Shevliakova E, Sirutis JJ, Soden BJ, Stern WF, Thompson LA, Wilson RJ, Wittenberg AT, Wyman BL, 2004, The new GFDL global atmosphere and land model AM2-LM2: Evaluation with prescribed SST simulations, *J. Climate*, **17**(24), 4641-4673
- Arakawa O, Kitoh A, 2004, Comparison of local precipitation-SST relationship between the observation and a reanalysis dataset, *Geophys. Res. Lett.*, **31**(12), L12206
- Bengtsson L, Hodges KI, Hagemann S, 2004, Sensitivity of large-scale atmospheric analyses to humidity observations and its impact on the global water cycle and extratropical weather systems in ERA40, *Tellus A-Dynam. Meteor. Oceanog.*, **56**(3), 202-217
- Boi P, Marrocu M, Giachetti A, 2004, Rainfall estimation from infrared data using an improved version of the Auto-Estimator Technique, *Internat. J. Rem. Sens.*, **25**(21), 4657-4673
- Bordoni S, Ciesielski PE, Johnson RH, McNoldy BD, Stevens B, 2004, The low-level circulation of the north American monsoon as revealed by QuikSCAT, *Geophys. Res. Lett.*, **31**(10), L10109
- Chatterjee P, Goswami BN, 2004, Structure, genesis and scale selection of the tropical quasi-biweekly mode, *Quart. J. Roy. Meteor. Soc.*, **130**(599), 1171-1194, Part B

- Chen G, Fang CY, Zhang CY, Chen Y, 2004, Observing the coupling effect between warm pool and "rain pool" in the Pacific Ocean, *Rem. Sens. Environ.*, **91**(2), 153-159
- Chen TC, Huang WR, Takle ES, 2004, Annual variation of midlatitude precipitation, *J. Climate*, **17**(21), 4291-4298
- Chen TC, Wang SY, Yen MC, Gallus WA, 2004, Role of the monsoon gyre in the interannual variation of tropical cyclone formation over the western North Pacific, *Wea. Fcst.*, **19**(4), 776-785
- Chronis TG, Anagnostou EN, Dinku T, 2004, High-frequency estimation of rainfall from thunderstorms via satellite infrared and a long-range lightning network in Europe, *Quart. J. Roy. Meteor. Soc.*, **130**(599), Part B, 1555-1574
- Curry JA, Bentamy A, Bourassa MA, Bourras D, Bradley EF, Brunke M, Castro S, Chou SH, Clayson CA, Emery WJ, Eymard L, Fairall CW, Kubota M, Lin B, Perrie W, Reeder RA, Renfrew IA, Rossow WB, Schulz J, Smith SR, Webster PJ, Wick GA, Zeng X, 2004, Seaflux, *Bull. Amer. Meteor. Soc.*, **85**(3), 409+
- Curtis S, Adler RF, Huffman GJ, Gu GJ, 2004, Westerly wind events and precipitation in the eastern Indian Ocean as predictors for El Nino: Climatology and case study for the 2002-2003 El Nino, *J. Geophys. Res.-Atmos.*, **109**(D20), D20104
- Dairaku K, Emori S, Oki T, 2004, Rainfall amount, intensity, duration, and frequency relationships in the Mae Chaem watershed in southeast Asia, *J. Hydrometeor.*, **5**(3), 458-470
- DeMott CA, Randall DA, 2004, Observed variations of tropical convective available potential energy, *J. Geophys. Res.-Atmos.*, **109**(D2), D02102
- Fekete BM, Vorosmarty CJ, Roads JO, Willmott CJ, 2004, Uncertainties in precipitation and their impacts on runoff estimates, *J. Climate*, **17**(2), 294-304
- Fisher BL, 2004, Climatological validation of TRMM TMI and PR monthly rain products over Oklahoma, *J. Appl. Meteor.*, **43**(3), 519-535
- Gebremichael M, Krajewski WF, 2004, Characterization of the temporal sampling error in space-time-averaged rainfall estimates from satellites, *J. Geophys. Res.-Atmos.*, **109**(D11), D11110
- Grasso LD, Greenwald TJ, 2004, Analysis of 10.7- $\mu$ m brightness temperatures of a simulated thunderstorm with two-moment microphysics, *Mon. Wea. Rev.*, **132**(3), 815-825
- Gu JJ, Smith EA, Cooper HJ, Grose A, Liu GS, Merritt JD, Waterloo MJ, de Araujo AC, Nobre AD, Manzi AO, Marengo J, de Oliveira PJ, von Randow C, Norman J, Dias PS, 2004, Modeling carbon sequestration over the large-scale Amazon basin, aided by satellite observations. Part I: Wet- and dry-season surface radiation budget flux and precipitation variability based on GOES retrievals, *J. Appl. Meteor.*, **43**(6), 870-886
- Guo ZC, Bromwich DH, Hines KM, 2004, Modeled antarctic precipitation. Part II: ENSO modulation over West Antarctica, *J. Climate*, **17**(3), 448-465
- Haddad ZS, Meagher JP, Adler RF, Smith EA, Im E, Durden SL, 2004, Global variability of precipitation according to the Tropical Rainfall Measuring Mission, *J. Geophys. Res.-Atmos.*, **109**(D17), D17103
- Hayashi S, Murakami S, Watanabe M, Bao-Hua X, 2004, HSPF simulation of runoff and sediment loads in the Upper Changjiang River Basin, China, *J. Environ. Eng.-ASCE*, **130**(7), 801-815
- Hegerl GC, Zwiers FW, Stott PA, Kharin W, 2004, Detectability of anthropogenic changes in annual temperature and precipitation extremes, *J. Cli.*, **17**(19), 3683-3700

- Hossain F, Anagnostou EN, 2004, Assessment of current passive-microwave- and infrared-based satellite rainfall remote sensing for flood prediction, *J. Geophys. Res.-Atmos.*, **109**(D7), D07102
- Huang BY, Mehta VM, 2004, Response of the Indo-Pacific warm pool to interannual variations in net atmospheric freshwater, *J. Geophys. Res.-Oceans*, **109**(C6), C06022
- Jiang JH, Wang B, Goya K, Hocke K, Eckermann SD, Ma J, Wu DL, Read WG, 2004, Geographical distribution and interseasonal variability of tropical deep convection: UARS MLS observations and analyses, *J. Geophys. Res.-Atmos.*, **109**(D3), D03111
- Jones C, Waliser DE, Lau KM, Stern W, 2004, Global occurrences of extreme precipitation and the Madden-Julian oscillation: Observations and predictability, *J. Climate*, **17**(23), 4575-4589
- Jones CG, Willen U, Ullerstig A, Hansson U, 2004, The Rossby Centre Regional Atmospheric Climate Model part 1: Model climatology and performance for the present climate over Europe, *Ambio*, **33**(4-5), 199-210
- Joyce RJ, Janowiak JE, Arkin PA, Xie PP, 2004, CMORPH: A method that produces global precipitation estimates from passive microwave and infrared data at high spatial and temporal resolution, *J. Hydrometeor.*, **5** (3), 487-503
- Kiehl JT, Gent PR, 2004, The Community Climate System Model, version 2, *J. Climate*, **17**(19), 3666-3682
- Kitoh A, 2004, Effects of mountain uplift on East Asian summer climate investigated by a coupled atmosphere-ocean GCM, *J. Climate*, **17**(4), 783-802
- Kobayashi C, Sugi M, 2004, Impact of horizontal resolution on the simulation of the Asian summer monsoon and tropical cyclones in the JMA global model, *Cli. Dynam.*, **23**(2), 165-176
- Koster RD, Suarez MJ, 2004, Suggestions in the observational record of land-atmosphere feedback operating at seasonal time scales, *J. Hydrometeor.*, **5**(3), 567-572
- Koster RD, Suarez MJ, Liu P, Jambor U, Berg A, Kistler M, Reichle R, Rodell M, Famiglietti J, 2004, Realistic initialization of land surface states: Impacts on subseasonal forecast skill, *J. Hydrometeor.*, **5**(6), 1049-1063
- Kumar A, Yang FL, Goddard L, Schubert S, 2004, Differing trends in the tropical surface temperatures and precipitation over land and oceans, *J. Climate*, **17**(3), 653-664
- Kummerow C, Poyner P, Berg W, Thomas-Stahle J, 2004, The effects of rainfall inhomogeneity on climate variability of rainfall estimated from passive microwave sensors, *J. Atmos. Ocean. Tech.*, **21**(4), 624-638
- Kurita N, Yoshida N, Inoue G, Chayanova EA, 2004, Modern isotope climatology of Russia: A first assessment, *J. Geophys. Res.-Atmos.*, **109**(D3), D03102
- Langmann B, Heil A, 2004, Release and dispersion of vegetation and peat fire emissions in the atmosphere over Indonesia 1997/1998, *Atmos. Chem. Phys.*, **4**, 2145-2160
- L'Ecuyer TS, Kummerow C, Berg W, 2004, Toward a global map of raindrop size distributions. Part I: Rain-type classification and its implications for validating global rainfall products, *J. Hydrometeor.*, **5**(5), 831-849
- Lee DK, Ahn YI, Kim CJ, 2004, Impact of ocean roughness and bogus typhoons on summertime circulation in a wave-atmosphere coupled regional climate model, *J. Geophys. Res.-Atmos.*, **109**(D6), D06112

- Lee KH, Anagnostou EN, 2004, Investigation of the nonlinear hydrologic response to precipitation forcing in physically based land surface modeling, *Can. J. Rem. Sens.*, **30**(5), 706-716
- Mathieu PP, Sutton RT, Dong B, Collins M, 2004, Predictability of winter climate over the North Atlantic European region during ENSO events, *J. Climate*, **17**(10), 1953-1974
- May W, 2004, Potential future changes in the Indian summer monsoon due to greenhouse warming: analysis of mechanisms in a global time-slice experiment, *Cli. Dynam.*, **22**(4), 389-414
- May W, 2004, Simulation of the variability and extremes of daily rainfall during the Indian summer monsoon for present and future times in a global time-slice experiment, *Cli. Dynam.*, **22**(2-3), 183-204
- Merrill JT, Kim J, 2004, Meteorological events and transport patterns in ACE-Asia, *J. Geophys. Res.-Atmos.*, **109**(D19), D19S18
- Moore GWK, 2004, Mount Everest snow plume: A case study, *Geophys. Res. Lett.*, **31**(22), L22102
- Nezlin NP, Kostianoy AG, Lebedev SA, 2004, Interannual variations of the discharge of Amu Darya and Syr Darya estimated from global atmospheric precipitation, *J. Marine Sys.*, **47**(1-4), 67-75
- Nijssen B, Lettenmaier DP, 2004, Effect of precipitation sampling error on simulated hydrological fluxes and states: Anticipating the Global Precipitation Measurement satellites, *J. Geophys. Res.-Atmos.*, **109**(D2), D02103
- Oka A, Hasumi H, 2004, Effects of freshwater forcing on the Atlantic deep circulation: A study with an OGCM forced by two different surface freshwater flux datasets, *J. Climate*, **17**(11), 2180-2194
- Prasad TG, McClean JL, 2004, Mechanisms for anomalous warming in the western Indian Ocean during dipole mode events, *J. Geophys. Res.-Oceans*, **109**(C2), C02019
- Pu ZX, Tao WK, 2004, Mesoscale assimilation of TMI rainfall data with 4DVAR: Sensitivity studies, *J. Meteor. Soc. Japan*, **82**(5), 1389-1397
- Rajendran K, Kitoh A, Arakawa O, 2004, Monsoon low-frequency intraseasonal oscillation and ocean-atmosphere coupling over the Indian Ocean, *Geophys. Res. Lett.*, **31**(2), L02210
- Rajendran K, Kitoh A, Yukimoto S, 2004, South and East Asian summer monsoon climate and variation in the MRI coupled model (MRI-CGCM2), *J. Climate*, **17**(4), 763-782
- Rajendran K, Krishnamurti TN, Misra V, Tao WK, 2004, An empirical cumulus parameterization scheme for a global spectral model, *J. Meteor. Soc. Japan*, **82**(4), 989-1006
- Rao DVB, Ashok K, 2004, A numerical simulation study of the Indian summer monsoon of 1994 using NCAR MM5, *J. Meteor. Soc. Japan*, **82**(6), 1755-1775
- Reichle RH, Koster RD, 2004, Bias reduction in short records of satellite soil moisture, *Geophys. Res. Lett.*, **31**(19), L19501
- Reichle RH, Koster RD, Dong JR, Berg AA, 2004, Global soil moisture from satellite observations, land surface models, and ground data: Implications for data assimilation, *J. Hydrometeor.*, **5**(3), 430-442
- Roads J, Raschke E, Rockel B, 2004, BALTEX water and energy budgets in the NCEP/DOE reanalysis II, *Boreal Environ. Res.*, **7**(4), 307-317
- Schar C, Vasilina L, Pertziger F, Dirren S, 2004, Seasonal runoff forecasting using precipitation from meteorological data assimilation systems, *J. Hydrometeor.*, **5**(5), 959-973

- Shanker AP, Nanjundiah RS, 2004, Morlet wavelet analysis of tropical convection over space and time: Study of poleward propagations of Intertropical Convergence Zone (ITCZ), *Geophys. Res. Lett.*, **31**(2), L02103
- Sheffield J, Ziegler AD, Wood EF, Chen YB, 2004, Correction of the high-latitude rain day anomaly in the NCEP-NCAR reanalysis for land surface hydrological modeling, *J. Climate*, **17**(19), 3814-3828
- Shi N, Chen LW, 2004, Evolution and features of global land June-August dry/wet periods during 1920-2000, *Internat. J. Climatol.*, **24**(12), 1483-1493
- Shin HJ, Chung IU, Kim JW, 2004, The annual variation and closure of the water cycle for the Asian continent, *J. Climate*, **17**(24), 4840-4855
- Siebesma AP, Jakob C, Lenderink G, Neggers RAJ, Teixeira J, Van Meijgaard E, Calvo J, Chlond A, Grenier H, Jones C, Kohler M, Kitagawa H, Marquet P, Lock AP, Muller F, Olmeda D, Severijns C, 2004, Cloud representation in general-circulation models over the northern Pacific Ocean: A EUROCS intercomparison study, *Quart. J. Roy. Meteor. Soc.*, **130**(604), Part C, 3245-3267
- Slingo A, Hodges KI, Robinson GJ, 2004, Simulation of the diurnal cycle in a climate model and its evaluation using data from Meteosat 7, *Quart. J. Roy. Meteor. Soc.*, **130**(599), Part B, 1449-1467
- Sohn BJ, Smith EA, Robertson FR, Park SC, 2004, Derived over-ocean water vapor transports from satellite-retrieved E-P datasets, *J. Climate*, **17**(6), 1352-1365
- Stephens GL, Webster PJ, Johnson RH, Grose A, Liu GS, Merritt JD, Waterloo MJ, de Araujo AC, Nobre AD, Manzi AO, Marengo J, de Oliveira PJ, von Randow C, Norman J, Dias PS, 2004, Observational evidence for the mutual regulation of the tropical hydrological cycle and tropical sea surface temperatures, *J. Climate*, **17**(11), 2213-2224
- Stohl A, James P, 2004, A Lagrangian analysis of the atmospheric branch of the global water cycle. part I: Method description, validation, and demonstration for the August 2002 flooding in central Europe, *J. Hydrometeor.*, **5**(4), 656-678
- Suh MS, Lee DK, 2004, Impacts of land use/cover changes on surface climate over east Asia for extreme climate cases using RegCM2, *J. Geophys. Res.-Atmos.*, **109**(D2), D02108
- Tschuck P, Chauvin F, Dong B, Arpe K, 2004, Impact of sea-surface temperature anomalies in the equatorial Indian Ocean and western Pacific on the Asian summer monsoon in three general circulation models, *Internat. J. Climatol.*, **24**(2), 181-191
- Vasiliev LN, 2004, Redistribution of global precipitation observed in the El Nino events by using remote sensing, *Rem. Sens. in Transition*, 313-318
- Vasiliev LN, 2004, Dynamic scaling in global precipitation from multi-temporal remote sensing observation, *Analysis of Multi-Temporal Remote Sensing Images (Series in Remote Sensing)*, **3**, 113-121
- Vuille M, Keimig F, 2004, Interannual variability of summertime convective cloudiness and precipitation in the central Andes derived from ISCCP-B3 data, *J. Climate*, **17**(17), 3334-3348
- Wang CC, Chen GTJ, Carbone RE, 2004, A climatology of warm-season cloud patterns over east Asia based on GMS infrared brightness temperature observations, *Mon. Wea. Rev.*, **132**(7), 1606-1629
- Xie SC, Zhang MH, Boyle JS, Cederwall RT, Potter GL, Lin WY, 2004, Impact of a revised convective triggering mechanism on Community Atmosphere Model, Version 2, simulations: Results from short-range weather forecasts, *J. Geophys. Res.-Atmos.*, **109**(D14), D14102

- Yang FL, Kumar A, Lau KM, 2004, Potential predictability of US summer climate with "perfect" soil moisture, *J. Hydrometeor.*, **5**(5), 883-895
- Yin XG, Gruber A, Arkin P, 2004, Comparison of the GPCP and CMAP merged gauge-satellite monthly precipitation products for the period 1979-2001, *J. Hydrometeor.*, **5**(6), 1207-1222
- Yin ZY, Liu XD, Zhang XQ, Chung CF, 2004, Using a geographic information system to improve Special Sensor Microwave Imager precipitation estimates over the Tibetan Plateau, *J. Geophys. Res.-Atmos.*, **109**(D3), D03110
- Yoshimura K, Oki T, Ichiyangi K, 2004, Evaluation of two-dimensional atmospheric water circulation fields in reanalyses by using precipitation isotopes databases, *J. Geophys. Res.-Atmos.*, **109**(D20), D20109
- Yu Z, McCreary JP, 2004, Assessing precipitation products in the Indian Ocean using an ocean model, *J. Geophys. Res.-Oceans*, **109**(C5), C05013

## 2003

- Adeyewa ZD, Nakamura K, 2003, Validation of TRMM radar rainfall data over major climatic regions in Africa, *J. Appl. Meteor.*, **42**(2), 331-347
- Adler RF, Huffman GJ, Chang A, Ferraro R, Xie PP, Janowiak J, Rudolf B, Schneider U, Curtis S, Bolvin D, Gruber A, Susskind J, Arkin P, Nelkin E, 2003, The Version-2 Global Precipitation Climatology Project (GPCP) monthly precipitation analysis (1979-present), *J. Hydrometeor.*, **4**(6), 1147-1167
- Bell TL, Kundu PK, 2003, Comparing satellite rainfall estimates with rain gauge data: Optimal strategies suggested by a spectral model, *J. Geophys. Res.-Atmos.*, **108**(D3), 4121
- Bengtsson L, Robinson G, Anthes R, Aonashi K, Dodson A, Elgered G, Gendt G, Gurney R, Jietai M, Mitchell C, Mlaki M, Rhodin A, Silvestrin P, Ware R, Watson R, Wergen W, 2003, The use of GPS measurements for water vapor determination, *Bull. Amer. Meteor. Soc.*, **84**(9), 1249+
- Berg AA, Famiglietti JS, Walker JP, Houser PR, 2003, Impact of bias correction to reanalysis products on simulations of North American soil moisture and hydrological fluxes, *J. Geophys. Res.-Atmos.*, **108**(D16), 4490
- Biasutti M, Battisti DS, Sarachik ES, 2003, The annual cycle over the tropical Atlantic, South America, and Africa, *J. Climate*, **16**(15), 2491-2508
- Chen FW, Staelin DH, 2003, AIRS/AMSU/HSB precipitation estimates, *IEEE Trans. Geosci. Rem. Sens.*, **41**(2), 410-417
- Chen G, Ma J, Fang CY, Han Y, 2003, Global oceanic precipitation derived from TOPEX and TMR: Climatology and variability, *J. Climate*, **16**(23), 3888-3904
- Cocks SB, 2003, An observational study of the South Pacific Convergence Zone using satellite and model re-analysis data, Ph.D. Dissertation, Texas A & M Univ., 166 pp.
- Cook KH, 2003, "The South Indian convergence zone and interannual rainfall variability over southern Africa" and the question of ENSO's influence on southern Africa - Reply, *J. Climate*, **16**(3), 563-565
- Crow WT, 2003, Correcting land surface model predictions for the impact of temporally sparse rainfall rate measurements using an ensemble Kalman filter and surface brightness temperature observations, *J. Hydrometeor.*, **4**(5), 960-973
- Curtis S, Adler RF, 2003, Evolution of El Nino-precipitation relationships from satellites and gauges, *J. Geophys. Res.-Atmos.*, **108**(D4), 4153

- Durieux L, Machado LAT, Laurent H, 2003, The impact of deforestation on cloud cover over the Amazon arc of deforestation, *Rem. Sens. Environ.*, **86**(1), 132-140
- Folkens I, Braun C, 2003, Tropical rainfall and boundary layer moist entropy, *J. Climate*, **16**(11), 1807-1820
- Fu YF, Lin YH, Liu GS, et al., 2003, Seasonal characteristics of precipitation in 1998 over East Asia as derived from TRMM PR, *Adv. Atmos. Sci.*, **20**(4), 511-529
- Funk C, Michaelsen J, Verdin J, Artan G, Husak G, Senay G, Gadain H, Magadzire T, 2003, The collaborative historical African rainfall model: Description and evaluation, *Internat. J. Climatol.*, **23**(1), 47-66
- Gebremichael M, Krajewski WF, Morrissey M, Langerud D, Huffman GJ, Adler R, 2003, Error uncertainty analysis of GPCP monthly rainfall products: A data-based simulation study, *J. Appl. Meteor.*, **42**(12), 1837-1848
- Genthon C, Krinner G, Sacchettini M, 2003, Interannual Antarctic tropospheric circulation and precipitation variability, *Cli. Dynam.*, **21**(3-4), 289-307
- Gough KJ, Corney D, 2003, Leveraging managed frameworks from modular languages, *Lect. Notes Comp. Sci.*, **2789**, 150-162
- Hagan ME, Forbes JM, 2003, Migrating and nonmigrating semidiurnal tides in the upper atmosphere excited by tropospheric latent heat release, *J. Geophys. Res-Space Phys.*, **108**(A2), 1062
- Hicke JA, Asner GP, Kasischke ES, French NHF, Randerson JT, Collatz GJ, Stocks BJ, Tucker CJ, Los SO, Field CB, 2003, Postfire response of North American boreal forest net primary productivity analyzed with satellite observations, *Global Change Biol.*, **9**(8), 1145-1157
- Hirabayashi Y, Oki T, Kanae S, Musiak K, 2003, Application of satellite-derived surface soil moisture data to simulating seasonal precipitation by a simple soil moisture transfer method, *J. Hydrometeor.*, **4**(5), 929-943
- Horinouchi T, Pawson S, Shibata K, Langematz U, Manzini E, Giorgetta MA, Sassi F, Wilson RJ, Hamilton K, de Grandpre J, Scaife AA, 2003, Tropical cumulus convection and upward-propagating waves in middle-atmospheric GCMs, *J. Atmos. Sci.*, **60**(22), 2765-2782
- Janowiak JE, Xie PP, 2003, A global-scale examination of monsoon-related precipitation, *J. Climate*, **16**(24), 4121-4133
- Jenkins GS, Ryu JH, Thompson AM, Witte JC, 2003, Linking horizontal and vertical transports of biomass fire emissions to the Tropical Atlantic Ozone Paradox during the Northern Hemisphere winter season: 1999, *J. Geophys. Res.-Atmos.*, **108**(D23), 4745
- Kidd C, Kniveton DR, Todd MC, Bellerby TJ, 2003, Satellite rainfall estimation using combined passive microwave and infrared algorithms, *J. Hydrometeor.*, **4**(6), 1088-1104
- Klepp CP, Bakan S, Grassl H, 2003, Improvements of satellite-derived cyclonic rainfall over the North Atlantic, *J. Climate*, **16**(4), 657-669
- Kurita N, Numaguti A, Sugimoto A, Ichiyanagi K, Yoshida N, 2003, Relationship between the variation of isotopic ratios and the source of summer precipitation in eastern Siberia, *J. Geophys. Res.-Atmos.*, **108**(D11), 4339
- Lee MI, Kang IS, Mapes BE, 2003, Impacts of cumulus convection parameterization on aqua-planet AGCM Simulations of tropical intraseasonal variability, *J. Meteor. Soc. Japan*, **81**(5), 963-992
- Leung LR, Qian Y, Han J, Roads JO, 2003, Intercomparison of global reanalyses and regional simulations of cold season water budgets in the western United States, *J. Hydrometeor.*, **4**(6), 1067-1087



- Levizzani V, 2003, Satellite rainfall estimates: new perspectives for meteorology and climate from the EURAINSAT project, *Ann. Geophys.*, **46**(2), 363-372
- McCollum JR, Ferraro RR, 2003, Next generation of NOAA/NESDIS TMI, SSM/I, and AMSR-E microwave land rainfall algorithms, *J. Geophys. Res.-Atmos.*, **108**(D8), 8382
- Mitra AK, Das Gupta M, Paliwal RK, Singh SV, 2003, Observed daily large-scale rainfall patterns during BOBMEX-1999, *Proc. Ind. Acad. Sci.-Earth Planet. Sci.*, **112**(2), 223-232
- Mitra AK, Das Gupta M, Singh SV, Krishnamurti TN, 2003, Daily rainfall for the Indian monsoon region from merged satellite and rain gauge values: Large-scale analysis from real-time data, *J. Hydrometeor.*, **4**(5), 769-781
- Molod A, Salmun H, Waugh DW, 2003, A new look at modeling surface heterogeneity: Extending its influence in the vertical, *J. Hydrometeor.*, **4**(5), 810-825
- Nezlin NP, Li BL, 2003, Time-series analysis of remote-sensed chlorophyll and environmental factors in the Santa Monica-San Pedro Basin off Southern California, *J. Marine Sys.*, **39**(3-4), 185-202
- Nicholson SE, Some B, McCollum J, Nelkin E, Klotter D, Berte Y, Diallo BM, Gaye I, Kpabeba G, Ndiaye O, Noukpozoukou JN, Tanu MM, Thiam A, Toure AA, Traore AK, 2003, Validation of TRMM and other rainfall estimates with a high-density gauge dataset for West Africa. Part I: Validation of GPCP rainfall product and pre-TRMM satellite and blended products, *J. Appl. Meteor.*, **42**(10), 1337-1354
- Nicholson SE, Some B, McCollum J, Nelkin E, Klotter D, Berte Y, Diallo BM, Gaye I, Kpabeba G, Ndiaye O, Noukpozoukou JN, Tanu MM, Thiam A, Toure AA, Traore AK, 2003, Validation of TRMM and other rainfall estimates with a high-density gauge dataset for West Africa. Part I: Validation of GPCP rainfall product and pre-TRMM satellite and blended products, *J. Appl. Meteor.*, **42**(10), 1337-1354
- Roads J, 2003, The NCEP-NCAR, NCEP-DOE, and TRMM tropical atmosphere hydrologic cycles, *J. Hydrometeor.*, **4**(5), 826-840
- Roads J, Lawford R, Bainto E, Berbery E, Chen S, Fekete B, Gallo K, Grundstein A, Higgins W, Kanamitsu M, Krajewski W, Lakshmi V, Leathers D, Lettenmaier D, Luo L, Maurer E, Meyers T, Miller D, Mitchell K, Mote T, Pinker R, Reichler T, Robinson D, Robock A, Smith J, Srinivasan G, Verdin K, Vinnikov K, Haar TV, Vorosmarty C, Williams S, Yarosh E, 2003, GCIP water and energy budget synthesis (WEBS), *J. Geophys. Res.-Atmos.*, **108**(D16), 8609
- Rose BEJ, Lin CA, 2003, Precipitation from vertical motion: A statistical diagnostic scheme, *Internat. J. Climatol.*, **23**(8), 903-919
- Rouault M, Florenchie P, Fauchereau N, Reason CJC, 2003, South East tropical Atlantic warm events and southern African rainfall, *Geophys. Res. Lett.*, **30**(5), 8009
- Rowell DP, 2003, The impact of Mediterranean SSTs on the Sahelian rainfall season, *J. Climate*, **16**(5), 849-862
- Scofield RA, Kuligowski RJ, 2003, Status and outlook of operational satellite precipitation algorithms for extreme-precipitation events, *Wea. Fcst.*, **18**(6), 1037-1051
- Sealy A, Jenkins GS, Walford SC, 2003, Seasonal/regional comparisons of rain rates and rain characteristics in West Africa using TRMM observations, *J. Geophys. Res.-Atmos.*, **108**(D10), 4306
- Shareef, A, 2003, Evaluation of rainfall from satellite and rain gauge observations over selected islands in the Indian Ocean, B.S. Hons. Thesis, Flinders Univ. (Australia), 53 pp.

- Sobel AH, 2003, On the coexistence of an evaporation minimum and precipitation maximum in the warm pool, *J. Climate*, **16**(6), 1003-1009
- Steiner M, Bell TL, Zhang Y, Wood EF, 2003, Comparison of two methods for estimating the sampling-related uncertainty of satellite rainfall averages based on a large radar dataset, *J. Climate*, **16**(22), 3759-3778
- Su H, Neelin JD, 2003, The scatter in tropical average precipitation anomalies, *J. Climate*, **16**(23), 3966-3977
- Sud YC, Mocko DM, Lau KM, Atlas R, 2003, Simulating the Midwestern US drought of 1988 with a GCM, *J. Climate*, **16**(23), 3946-3965
- Tao WK, Shie CL, Simpson J, Braun S, Johnson RH, Ciesielski PE, 2003, Convective systems over the South China Sea: Cloud-resolving model simulations, *J. Atmos. Sci.*, **60**(24), 2929-2956
- Tarruella R, Jorge J, 2003, Comparison of three infrared satellite techniques to estimate accumulated rainfall over the Iberian Peninsula, *Internat. J. Climatol.*, **23**(14), 1757-1769
- Todd MC, Washington R, James T, 2003, Characteristics of summertime daily rainfall variability over South America and the South Atlantic Convergence Zone, *Meteor. Atmos. Phys.*, **83**(1-2), 89-108
- Trenberth KE, Dai AG, Rasmussen RM, Parsons DB, 2003, The changing character of precipitation, *Bull. Amer. Meteor. Soc.*, **84**(9), 1205+
- Tsumune D, Aoyama M, Hirose K, 2003, Behavior of Cs-137 concentrations in the North Pacific in an ocean general circulation model, *J. Geophys. Res.-Oceans*, **108**(C8), 3262
- Tsumune D, Aoyama M, Hirose K, 2003, Numerical simulation of Cs-137 and Pu-239, Pu-240 concentrations by an ocean general circulation model, *J. Environ. Radioact.*, **69**(1-2), 61-84
- Vasil'ev LN, Kachalin AB, Tyufin AS, 2003, Redistribution of global precipitation during the El Nino period, *Doklady Earth Sci.*, **392**(7), 1035-1038
- Vasiliev LN, 2003, Dynamic scaling in the environment and remote sensing observation, *Geoinformation For European-Wide Integration*, 65-69
- Virmani JI, Weisberg RH, 2003, Features of the observed annual ocean-atmosphere flux variability on the west Florida shelf, *J. Climate*, **16**(4), 734-745
- Vizy EK, Cook KH, 2003, Connections between the summer east African and Indian rainfall regimes, *J. Geophys. Res.-Atmos.*, **108**(D16), 4510
- Wijesekera HW, Paulson CA, Skillingstad ED, 2003, Modeling the evolution of a fresh sea surface anomaly produced by tropical rainfall, *J. Geophys. Res.-Oceans*, **108**(C11), 3338
- Xie PP, Janowiak JE, Arkin PA, Adler R, Gruber A, Ferraro R, Huffman GJ, Curtis S, 2003, GPCP Pentad precipitation analyses: An experimental dataset based on gauge observations and satellite estimates, *J. Climate*, **16**(13), 2197-2214
- Yoo JM, Prabhakara C, Iacovazzi R, 2003, Surface emissivity and hydrometeors derived from microwave satellite observations and model reanalyses, *J. Meteor. Soc. Japan*, **81**(5), 1087-1109
- Yoshimura K, Oki T, Ohte N, Kanae S, 2003, A quantitative analysis of short-term O-18 variability with a Rayleigh-type isotope circulation model, *J. Geophys. Res.-Atmos.*, **108**(D20), 4647
- Ziegler AD, Sheffield J, Maurer EP, Nijssen B, Wood EF, Lettenmaier DPL, 2003, Detection of intensification in global- and continental-scale hydrological cycles: Temporal scale of evaluation, *J. Climate*, **16**(3), 535-547

## 2002

- Ahn YI, Lee DK, 2002, Impact of bogus tropical cyclones on summertime circulation in regional climate simulation, *J. Geophys. Res.-Atmos.*, **107**(D16), 4303
- Allen MR, Ingram WJ, 2002, Constraints on future changes in climate and the hydrologic cycle, *Nature*, **419**(6903), 224+
- Berg W, Kummerow C, Morales CA, 2002, Differences between east and west Pacific rainfall systems, *J. Climate*, **15**(24), 3659-3672
- Bingham FM, Howden SD, Koblinsky CJ, 2002, Sea surface salinity measurements in the historical database, *J. Geophys. Res.-Oceans*, **107**(C12), 8019
- Chakraborty A, Nanjundiah RS, Srinivasan J, 2002, Role of Asian and African orography in Indian summer monsoon, *Geophys. Res. Lett.*, **29**(20), 1989
- Chapelon N, Douville H, Kosuth P, Oki T, 2002, Off-line simulation of the Amazon water balance: a sensitivity study with implications for GSWP, *Cli. Dynam.*, **19**(2), 141-154
- Chen MY, Xie PP, Janowiak JE, Arkin PA, 2002, Global land precipitation: A 50-yr monthly analysis based on gauge observations, *J. Hydrometeor.*, **3**(3), 249-266
- Chen WJ, Li CC, 2002, An infrared rainfall algorithm for the MCSs prevailing over the South China Sea in the Mei-Yu season, *Terr. Atmos. Oc. Sci.*, **13**(1), 65-90
- Dai AG, Trenberth KE, 2002, Estimates of freshwater discharge from continents: Latitudinal and seasonal variations, *J. Hydrometeor.*, **3**(6), 660-687
- Douville H, 2002, Influence of soil moisture on the Asian and African monsoons. Part II: Interannual variability, *J. Climate*, **15**(7), 701-720
- Ferraro R, Li QH, 2002, Detailed analysis of the error associated with the rainfall retrieved by the NOAA/NESDIS Special Sensor Microwave/Imager algorithm 2. Rainfall over land, *J. Geophys. Res.-Atmos.*, **107**(D23), 4680
- Garratt JR, Rotstayn LD, Krummel PB, 2002, The atmospheric boundary layer in the CSIRO global climate model: simulations versus observations, *Cli. Dynam.*, **19**(5-6), 397-415
- Grose AME, Smith EA, Chung HS, Ou ML, Sohn BJ, Turk FJ, 2002, Possibilities and limitations for quantitative precipitation forecasts using nowcasting methods with infrared geosynchronous satellite imagery, *J. Appl. Meteor.*, **41**(7), 763-785
- Hagan ME, Forbes JM, 2002, Migrating and nonmigrating diurnal tides in the middle and upper atmosphere excited by tropospheric latent heat release, *J. Geophys. Res.-Atmos.*, **107**(D24), 4754
- Hicke JA, Asner GP, Randerson JT, Tucker C, Los S, Birdsey R, Jenkins JC, Field C, Holland E, 2002, Satellite-derived increases in net primary productivity across North America, 1982-1998, *Geophys. Res. Lett.*, **29**(10), 1427
- Hicke JA, Asner GP, Randerson JT, Tucker C, Los S, Birdsey R, Jenkins JC, Field C, 2002, Trends in North American net primary productivity derived from satellite observations, 1982-1998, *Global Biogeochem. Cycles*, **16**(2), 1019
- Hoerling MP, Kumar A, 2002, Atmospheric response patterns associated with tropical forcing, *J. Climate*, **15**(16), 2184-2203
- Horinouchi T, 2002, Mesoscale variability of tropical precipitation: Validation of satellite estimates of wave forcing using TOGA COARE radar data, *J. Atmos. Sci.*, **59**(16), 2428-2437
- Hsu HH, Chen CT, 2002, Observed and projected climate change in Taiwan, *Meteor. Atmos. Phys.*, **79**(1-2), 87-104

- Johnson RH, Ciesielski PE, 2002, Characteristics of the 1998 summer monsoon onset over the northern South China Sea, *J. Meteor. Soc. Japan*, **80**(4), 561-578
- Kodama YM, Tamaoki A, 2002, A re-examination of precipitation activity in the subtropics and the mid-latitudes based on satellite-derived data, *J. Meteor. Soc. Japan*, **80**(5), 1261-1278
- Kuligowski RJ, 2002, A self-calibrating real-time GOES rainfall algorithm for short-term rainfall estimates, *J. Hydrometeor.*, **3**(2), 112-130
- Levizzani V, 2002, Clouds and rainfall by visible-infrared radiometry, *Rem. Sens. of Atmos. and Ocean from Space: Models, Instruments And Techniques* (Book Series *Adv. in Global Change Res.*), **13**, 127-143
- Lin X, Fowler LD, Randall DA, 2002, Flying the TRMM Satellite in a general circulation model, *J. Geophys. Res.-Atmos.*, **107**(D16), 4281
- Lobell DB, Hicke JA, Asner GP, Field CB, Tucker CJ, Los SO, 2002, Satellite estimates of productivity and light use efficiency in United States agriculture, 1982-98, *Global Change Biol.*, **8**(8), 722-735
- Masson S, Delecluse P, Boulanger JP, Menkes C, 2002, A model study of the seasonal variability and formation mechanisms of the barrier layer in the eastern equatorial Indian Ocean, *J. Geophys. Res.-Oceans*, **107**(C12), 8017
- Maurer EP, Wood AW, Adam JC, Lettenmaier DP, Nijssen B, 2002, A long-term hydrologically based dataset of land surface fluxes and states for the conterminous United States, *J. Climate*, **15**(22), 3237-3251
- McCollum JR, Krajewski WF, Ferraro RR, Ba MB, 2002, Evaluation of biases of satellite rainfall estimation algorithms over the continental United States, *J. Appl. Meteor.*, **41**(11), 1065-1080
- McMillan AC, Quartly GD, Srokosz MA, Tournadre J, 2002, Validation of the TOPEX rain algorithm: Comparison with ground-based radar, *J. Geophys. Res.-Atmos.*, **107**(D4), 4038
- Negri AJ, Adler RF, Xu L, 2002, A TRMM-calibrated infrared rainfall algorithm applied over Brazil, *J. Geophys. Res.-Atmos.*, **107**(D20), 8048
- Nirala ML, Cracknell AP, 2002, The determination of the three-dimensional distribution of rain from the Tropical Rainfall Measuring Mission (TRMM) Precipitation Radar, *Internat. J. Rem. Sens.*, **23**(20), 4263-4304
- Noone D, Simmonds I, 2002, Associations between delta O-18 of water and climate parameters in a simulation of atmospheric circulation for 1979-95, *J. Climate*, **15**(22), 3150-3169
- Petersen WA, Nesbitt SW, Blakeslee RJ, Cifelli R, Hein P, Rutledge SA, 2002, TRMM observations of intraseasonal variability in convective regimes over the Amazon, *J. Climate*, **15**(11), 1278-1294
- Rajendran K, Nanjundiah RS, Srinivasan J, 2002, The impact of surface hydrology on the simulation of tropical intraseasonal oscillation in NCAR (CCM2) atmospheric GCM, *J. Meteor. Soc. Japan*, **80**(6), 1357-1381
- Randerson JT, Collatz GJ, Fessenden JE, Munoz AD, Still CJ, Berry JA, Fung IY, Suits N, Denning AS, 2002, A possible global covariance between terrestrial gross primary production and C-13 discrimination: Consequences for the atmospheric C-13 budget and its response to ENSO, *Global Biogeochem. Cycles*, **16**(4), 1136
- Roads J, Kanamitsu M, Stewart R, 2002, CSE water and energy budgets in the NCEP-DOE Reanalysis II, *J. Hydrometeor.*, **3**(3), 227-248

- Roca R, Viollier M, Picon L, Desbois M, 2002, A multisatellite analysis of deep convection and its moist environment over the Indian Ocean during the winter monsoon, *J. Geophys. Res.-Atmos.*, **107**(D19), 8012
- Rotstayn LD, Lohmann U, 2002, Simulation of the tropospheric sulfur cycle in a global model with a physically based cloud scheme, *J. Geophys. Res.-Atmos.*, **107**(D21), 4592
- Rotstayn LD, Lohmann U, 2002, Tropical rainfall trends and the indirect aerosol effect, *J. Climate*, **15**(15), 2103-2116
- Rubel F, Skomorowski P, Rudolf B, 2002, Verification scores for the operational GPCP-1DD product over the European Alps, *Meteorol. Zeit.*, **11**(5), 367-370
- Schmetz J, Pili P, Tjemkes S, Just D, Kerkmann J, Rota S, Ratier A, 2002, An introduction to Meteosat Second Generation (MSG), *Bull. Amer. Meteor. Soc.*, **83**(7), 977+
- Srinivasan J, Nanjundiah RS, 2002, The evolution of Indian summer monsoon in 1997 and 1983, *Meteor. Atmos. Phys.*, **79**(3-4), 243-257
- Straus DM, Shukla J, 2002, Does ENSO force the PNA?, *J. Climate*, **15**(17), 2340-2358
- Tennant WJ, Hewitson BC, 2002, Intra-seasonal rainfall characteristics and their importance to the seasonal prediction problem, *Internat. J. Climatol.*, **22**(9), 1033-1048
- Vialard JM, Delecluse P, Menkes C, 2002, A modeling study of salinity variability and its effects in the tropical Pacific Ocean during the 1993-1999 period, *J. Geophys. Res.-Oceans*, **107**(C12), 8005
- Vinayachandran PN, Murty VSN, Babu VR, 2002, Observations of barrier layer formation in the Bay of Bengal during summer monsoon, *J. Geophys. Res.-Oceans*, **107**(C12), 8018
- Wu MLC, Schubert A, Kang IS, Walliser D, 2002, Forced and free intraseasonal variability over the South Asian monsoon region simulated by 10 AGCMs, *J. Climate*, **15**(20), 2862-2880
- Yuan JC, Miller RL, 2002, Seasonal variation in precipitation patterns to the global ocean: An analysis of the GPCP version 2 data set, *Global Biogeochem. Cycles*, **16**(4), 1103

## 2001

- Adler RF, Kidd C, Petty G, Morissey M, Goodman HM, 2001, Intercomparison of global precipitation products: The third Precipitation Intercomparison Project (PIP-3), *Bull. Amer. Meteor. Soc.*, **82**(7), 1377-1396
- Asrar G, Kaye JA, Morel P, 2001, NASA research strategy for earth system science: Climate component, *Bull. Amer. Meteor. Soc.*, **82**(7), 1309-1329
- Bates GT, Hoerling MP, Kumar A, 2001, Central US springtime precipitation extremes: Teleconnections and relationships with sea surface temperature, *J. Climate*, **14**(17), 3751-3766
- Bell TL, Kundu PK, Kummerow CD, 2001, Sampling errors of SSM/I and TRMM rainfall averages: Comparison with error estimates from surface data and a simple model, *J. Appl. Meteor.*, **40**(5), 938-954
- Curtis S, Adler RF, Huffman GJ, Nelkin E, Bolvin D, 2001, Evolution of tropical and extratropical precipitation anomalies during the 1997-1999 ENSO cycle, *Internat. J. Climatol.*, **21**(8), 961-971
- Ebert EE, 2001, Ability of a poor man's ensemble to predict the probability and distribution of precipitation, *Mon. Wea. Rev.*, **129**(10), 2461-2480
- Frederiksen CS, Zhang HQ, Balgovind RC, Nicholls N, Drosowsky W, Chambers L, 2001, Dynamical seasonal forecasts during the 1997/98 ENSO using persisted SST anomalies, *J. Climate*, **14**(12), 2675-2695

- Fu R, Dickinson RE, Chen MX, Wang H, 2001, How do tropical sea surface temperatures influence the seasonal distribution of precipitation in the equatorial Amazon?, *J. Climate*, **14**(20), 4003-4026
- Gorenburg IP, McLaughlin D, Entekhabi D, 2001, Scale-recursive assimilation of precipitation data, *Adv. Water Resources*, **24**(9-10), 941-953
- Halpern D, Hung CW, 2001, Satellite observations of the southeast Pacific intertropical convergence zone during 1993-1998, *J. Geophys. Res.-Atmos.*, **106**(D22), 28107-28112
- Hou AY, Zhang SQ, da Silva AM, Olson WS, Kummerow CD, Simpson J, 2001, Improving global analysis and short-range forecast using rainfall and moisture observations derived from TRMM and SSM/I passive microwave sensors, *Bull. Amer. Meteor. Soc.*, **82**(4), 659-679
- Hu YL, Newell RE, Zhu Y, 2001, Mean moist circulation for PEM-Tropics missions, *J. Geophys. Res.-Atmos.*, **106**(D23), 32445-32467
- Huffman GJ, Adler RF, Morrissey MM, Bolvin DT, Curtis S, Joyce R, McGavock B, Susskind J, 2001, Global precipitation at one-degree daily resolution from multisatellite observations, *J. Hydrometeorol.*, **2**(1), 36-50
- Janowiak JE, Joyce RJ, Yarosh Y, 2001, A real-time global half-hourly pixel-resolution infrared dataset and its applications, *Bull. Amer. Meteor. Soc.*, **82**(2), 205-217
- Kanae S, Oki T, Musiak K, 2001, Impact of deforestation on regional precipitation over the Indochina Peninsula, *J. Hydrometeorol.*, **2**(1), 51-70
- Kidd C, 2001, Satellite rainfall climatology: A review, *Internat. J. Climatol.*, **21**(9), 1041-1066
- Kishtawal CM, Krishnamurti TN, 2001, Diurnal variation of summer rainfall over Taiwan and its detection using TRMM observations, *J. Appl. Meteorol.*, **40**(3), 331-344
- Kummerow C, Hong Y, Olson WS, Yang S, Adler RF, McCollum J, Ferraro R, Petty G, Shin DB, Wilhelm TT, 2001, The evolution of the Goddard profiling algorithm (GPROF) for rainfall estimation from passive microwave sensors, *J. Appl. Meteorol.*, **40**(11), 1801-1820
- Levizzani V, Schmetz J, Lutz HJ, Kerkmann J, Alberoni PP, Cervino M, 2001, Precipitation estimations from geostationary orbit and prospects for METEOSAT Second Generation, *Meteorol. Appl.*, **8**(1), 23-41
- Margulis SA, Entekhabi D, 2001, Temporal disaggregation of satellite-derived monthly precipitation estimates and the resulting propagation of error in partitioning of water at the land surface, *Hydrol. Earth Sys. Sci.*, **5**(1), 27-38
- Miller SW, Arkin PA, Joyce R, 2001, A combined microwave/infrared rain rate algorithm, *Internat. J. Rem. Sens.*, **22**(17), 3285-3307
- New M, Todd M, Hulme M, Jones P, 2001, Precipitation measurements and trends in the twentieth century, *Internat. J. Climatol.*, **21**(15), 1899+
- Nicholson SE, 2001, A semi-quantitative, regional precipitation data set for studying African climates of the nineteenth century, part I. Overview of the data set, *Cli. Change*, **50**(3), 317-353
- Nijssen B, O'Donnell GM, Hamlet AF, Lettenmaier DP, 2001, Hydrologic sensitivity of global rivers to climate change, *Cli. Change*, **50**(1-2), 143-175
- Nijssen B, O'Donnell GM, Lettenmaier DP, Lohmann D, Wood EF, 2001, Predicting the discharge of global rivers, *J. Climate*, **14**(15), 3307-3323
- Nijssen B, Schnur R, Lettenmaier DP, 2001, Global retrospective estimation of soil moisture using the variable infiltration capacity land surface model, 1980-93, *J. Climate*, **14**(8), 1790-1808

- Ohring G, Gruber A, 2001, Climate monitoring from operational satellites: Accomplishments, problems, and prospects, *Adv. Space Res.*, **28**(1), 207-219
- Olson WS, Hong Y, Kummerow CD, Turk J, 2001, A texture-polarization method for estimating convective-stratiform precipitation area coverage from passive microwave radiometer data, *J. Appl. Meteor.*, **40**(9), 1577-1591
- Rodgers EB, Adler RF, Pierce HF, 2001, Contribution of tropical cyclones to the North Atlantic climatological rainfall as observed from satellites, *J. Appl. Meteor.*, **40**(11), 1785-1800
- Rubel F, Hantel M, 2001, BALTEX precipitation analysis: Results from the BRIDGE preparation phase, *Phys. Chem. Earth B-Hydrol. Oceans Atmos.*, **26**(5-6), 397-401
- Rubel F, Rudolf B, 2001, Global daily precipitation estimates proved over the European Alps, *Meteorol. Zeit.*, **10**(5), 407-418
- Skomorowski P, Rubel F, Rudolf B, 2001, Verification of GPCP-1DD global satellite precipitation products using MAP surface observations, *Phys. Chem. Earth B-Hydrol. Oceans Atmos.*, **26**(5-6), 403-409
- Sperber KR, Brankovic C, Deque M, Frederiksen CS, Graham R, Kitoh A, Kobayashi C, Palmer T, Puri K, Tennant W, Volodin E, 2001, Dynamical seasonal predictability of the Asian summer monsoon, *Mon. Wea. Rev.*, **129**(9), 2226-2248
- Tao WK, Lang S, Olson WS, Meneghini R, Yang S, Simpson J, Kummerow C, Smith E, Halverson J, 2001, Retrieved vertical profiles of latent heat release using TRMM rainfall products for February 1988, *J. Appl. Meteor.*, **40**(6), 957-982
- Tian BJ, Zhang GJ, Ramanathan V, 2001, Heat balance in the Pacific warm pool atmosphere during TOGA COARE and CEPEX, *J. Climate*, **14**(8), 1881-1893
- Todd MC, Kidd C, Bellerby TJ, Kniveton DR, 2001, A combined satellite infrared and passive microwave technique for estimation of small-scale rainfall, *J. Atmos. Ocean. Tech.*, **18**(5), 742-75
- Tustison B, Harris D, Foufoula-Georgiou E, 2001, Scale issues in verification of precipitation forecasts, *J. Geophys. Res.-Atmos.*, **106**(D11), 11775-11784

## 2000

- Adler RF, Huffman GJ, Bolvin DT, Curtis S, Nelkin EJ, 2000, Tropical rainfall distributions determined using TRMM combined with other satellite and rain gauge information, *J. Appl. Meteor.* **39**(12), Part 1-2, 2007-2023
- Allen D, Pickering K, Stenchikov G, Thompson A, Kondo Y, 2000, A three-dimensional total odd nitrogen (NO<sub>y</sub>) simulation during SONEX using a stretched-grid chemical transport model, *J. Geophys. Res.-Atmos.*, **105**(D3), 3851-3876
- Bell TL, Kundu PK, 2000, Dependence of satellite sampling error on monthly averaged rain rates: Comparison of simple models and recent studies, *J. Climate*, **13**(2), 449-462
- Boukthir M, Barnier B, 2000, Seasonal and inter-annual variations in the surface freshwater flux in the Mediterranean Sea from the ECMWF re-analysis project, *J. Marine Sys.*, **24**(3-4), 343-354
- Cailliau D, Zlotnicki V, 2000, Precipitation detection by the TOPEX/Poseidon dual frequency radar altimeter, TOPEX microwave radiometer, special sensor microwave/imager and climatological shipboard reports, *IEEE Trans. Geosci. Rem. Sens.*, **38**(1), Part 1, 205-213
- Chin M, Rood RB, Lin SJ, Muller JF, Thompson AM, 2000, Atmospheric sulfur cycle simulated in the global model GOCART: Model description and global properties, *J. Geophys. Res.-Atmos.*, **105**(D20), 24671-24687

- Cocke S, LaRow TE, 2000, Seasonal predictions using a regional spectral model embedded within a coupled ocean-atmosphere model, *Mon. Wea. Rev.*, **128**(3), 689-708
- Curtis S, Adler R, 2000, ENSO indices based on patterns of satellite-derived precipitation, *J. Climate*, **13**(15), 2786-2793
- Douville H, Chauvin F, 2000, Relevance of soil moisture for seasonal climate predictions: a preliminary study, *Cli. Dynam.*, **16**(10-11), 719-736
- Falkovich A, Lord S, Treadon R, 2000, A new methodology of rainfall retrievals from indirect measurements, *Meteor. Atmos. Physics*, **75**(3-4), 217-232
- Fowler LD, Wielicki BA, Randall DA, Branson MD, Gibson GG, Denn FM, 2000, Use of a GCM to explore sampling issues in connection with satellite remote sensing of the Earth radiation budget, *J. Geophys. Res.-Atmos.*, **105**(D16), 20757-20772
- Grassl H, 2000, Status and improvements of coupled general circulation models, *Science*, **288**(5473), 1991-1997
- Gregory D, Morcrette JJ, Jakob C, Beljaars ACM, Stockdale T, 2000, Revision of convection, radiation and cloud schemes in the ECMWF Integrated Forecasting System, *Quart. J. Roy. Meteor. Soc.*, **126**(566), 1685-1710 Part A
- Gruber A, Su XJ, Kanamitsu M, Schemm J, 2000, The comparison of two merged rain gauge-satellite precipitation datasets, *Bull. Amer. Meteor. Soc.*, **81**(11), 2631-2644
- Hou AY, Ledvina DV, da Silva AM, Zhang SQ, Joiner J, Atlas RM, Huffman GJ, Kummerow CD, 2000, Assimilation of SSM/I-derived surface rainfall and total precipitable water for improving the GEOS analysis for climate studies, *Mon. Wea. Rev.*, **128**(3), 509-537
- Hou AY, Zhang SQ, da Silva AM, Olson WS, 2000, Improving assimilated global datasets using TMI rainfall and columnar moisture observations, *J. Climate*, **13**(23), 4180-4195
- Jenkins GS, Barron EJ, 2000, Regional climate simulations over the continental United States during the summer of 1988 driven by a GCM and the ECMWF analyses, *Global Planet. Change*, **25**(1-2), 19-38
- Koster RD, Suarez MJ, Heiser M, 2000, Variance and predictability of precipitation at seasonal-to-interannual timescales, *J. Hydrometeor.*, **1**(1), 26-46
- Krajewski WF, Ciach GJ, McCollum JR, Bacoti C, 2000, Initial validation of the global precipitation climatology project monthly rainfall over the United States, *J. Appl. Meteor.*, **39**(7), 1071-1086
- Kummerow C, Simpson J, Thiele O, Barnes W, Chang ATC, Stocker E, Adler RF, Hou A, Kakar R, Wentz F, Ashcroft P, Kozu T, Hong Y, Okamoto K, Iguchi T, Kuroiwa H, Im E, Haddad Z, Huffman G, Ferrier B, Olson WS, Zipser E, Smith EA, Wilheit TT, North G, Krishnamurti T, Nakamura K, 2000, The status of the Tropical Rainfall Measuring Mission (TRMM) after two years in orbit, *J. Appl. Meteor.*, **39**(12), 1965-1982 Part 1-2
- Labraga JC, Frumento O, Lopez M, 2000, The atmospheric water vapor cycle in South America and the tropospheric circulation, *J. Climate*, **13**(11), 1899-1915
- Lau KM, Kim KM, Yang S, 2000, Dynamical and boundary forcing characteristics of regional components of the Asian summer monsoon, *J. Climate*, **13**(14), 2461-2482
- Lee DK, Suh MS, 2000, Ten-year east Asian summer monsoon simulation using a regional climate model (RegCM2), *J. Geophys. Res.-Atmos.*, **105**(D24), 29565-29577
- Li QH, Ferraro R, Grody N, 2000, Adequacy of using a 1/3-degree Special Sensor Microwave Imager dataset to estimate climate-scale rainfall, *J. Appl. Meteor.*, **39**(5), 680-685



- Lim HS, Ho CH, 2000, Comparison of tropical rainfall between the observed GPCP data and the assimilation products of ECMWF, NCEP/NCAR, and NASA-GEOS-1, *J. Meteor. Soc. Japan*, **78**(5), 661-672
- Lin X, Randall DA, Fowler LD, 2000, Diurnal variability of the hydrologic cycle and radiative fluxes: Comparisons between observations and a GCM, *J. Climate*, **13**(23), 4159-4179
- McCollum JR, Gruber A, Ba MB, 2000, Discrepancy between gauges and satellite estimates of rainfall in equatorial Africa, *J. Appl. Meteor.*, **39**(5), 666-679
- Michelson DB, Foltescu VL, Haggmark L, Lindgren B, 2000, MESAN Mesoscale analysis of precipitation, *Meteorol. Zeit.*, **9**(2), 85-96
- New M, Hulme M, Jones P, 2000, Representing twentieth-century space-time climate variability. Part II: Development of 1901-96 monthly grids of terrestrial surface climate, *J. Climate*, **13**(13), 2217-2238
- Nystuen JA, McPhaden MJ, Freitag HP, 2000, Surface measurements of precipitation from an ocean mooring: The underwater acoustic log from the South China Sea, *J. Appl. Meteor.*, **39**(12), Part 1-2, 2182-2197
- Pierce RB, Al-Saadi JA, Eckman RS, Fairlie TD, Grose WL, Kleb MM, Natarajan M, Olson JR, 2000, Dynamical climatology of the NASA Langley Research Center Interactive Modeling Project for Atmospheric Chemistry and Transport (IMPACT) model, *J. Geophys. Res.-Atmos.*, **105**(D23), 29109-29134
- Plummer SE, 2000, Perspectives on combining ecological process models and remotely sensed data, *Ecolog. Model.*, **129**(2-3), 169-186
- Prabhakara C, Iacovazzi R, Weinman JA, Dalu G, 2000, A TRMM microwave radiometer rain rate estimation method with convective and stratiform discrimination, *J. Meteor. Soc. Japan*, **78**(3), 241-258
- Quartly GD, Srokosz MA, Guymer TH, 2000, Changes in oceanic precipitation during the 1997-98 El Nino, *Geophys. Res. Let.*, **27**(15), 2293-2296
- Rodgers EB, Adler RF, Pierce HF, 2000, Contribution of tropical cyclones to the North Pacific climatological rainfall as observed from satellites, *J. Appl. Meteor.*, **39**(10), 1658-1678
- Rotstayn LD, Ryan BF, Penner JE, 2000, Precipitation changes in a GCM resulting from the indirect effects of anthropogenic aerosols, *Geophys. Res. Let.*, **27**(19), 3045-3048
- Salvucci GD, Song C, 2000, Derived distributions of storm depth and frequency conditioned on monthly total precipitation: Adding value to historical and satellite-derived estimates of monthly precipitation, *J. Hydrometeor.*, **1**(2), 113-120
- Saxen TR, Rutledge SA, 2000, Surface rainfall-cold cloud fractional coverage relationship in TOGA COARE: A function of vertical wind shear, *Mon. Wea. Rev.*, **128**(2), 407-415
- Sorooshian S, Hsu KL, Gao X, Gupta HV, Imam B, Braithwaite D, 2000, Evaluation of PERSIANN system satellite-based estimates of tropical rainfall, *Bull. Amer. Meteor. Soc.*, **81**(9), 2035-2046
- Trenberth KE, Stepaniak DP, Caron JM, 2000, The global monsoon as seen through the divergent atmospheric circulation, *J. Climate*, **13**(22), 3969-3993
- Van Dingenen R, Virkkula AO, Raes F, Bates TS, Wiedensohler A, 2000, A simple non-linear analytical relationship between aerosol accumulation number and sub-micron volume, explaining their observed ratio in the clean and polluted marine boundary layer, *Tellus B-Chem. Phys. Meteorol.*, **52**(2), 439-451

- Widmann M, Bretherton CS, 2000, Validation of mesoscale precipitation in the NCEP reanalysis using a new gridcell dataset for the northwestern United States, *J. Climate*, **13**(11), 1936-1950
- Xu LM, Gao XG, Sorooshian S, Imam B, 2000, Parameter estimation of GOES precipitation index at different calibration timescales, *J. Geophys. Res.-Atmos.*, **105**(D15), 20131-20143
- Yuter SE, Houze RA, 2000, The 1997 Pan American Climate Studies Tropical Eastern Pacific Process Study. Part I: ITCZ region, *Bull. Amer. Meteor. Soc.*, **81**(3), 451-481

### 1999

- Beranger K, Siefridt L, Barnier B, Garnier E, Roquet H, 1999, Evaluation of operational ECMWF surface freshwater fluxes over oceans during 1991-1997, *J. Marine Sys.*, **22**(1), 13-36
- Bian JC, Chen HB, Sun HB, Yang PC, Lu DR, Zhou XJ, 1999, Retrievals of rain-rate over oceans from SSM/I data using SOM model, *Adv. Atmos. Sci.*, **16**(3), 355-360
- Cadeddu MP, Prabhakara C, Dalu G, Iacovazzi R, 1999, Rain retrieval method for mesoscale convective systems, *Nuo. Cim. Soc. Ital. Fis. C-Geophys. Space Phys.*, **22**(2), 153-164
- Chang ATC, Chiu LS, 1999, Nonsystematic errors of monthly oceanic rainfall derived from SSM/I, *Mon. Wea. Rev.*, **127**(7), 1630-1638
- Chen MH, Rood RB, Joiner J, 1999, Assimilating TOVS humidity into the GEOS-2 data assimilation system, *J. Climate*, **12**(10), 2983-2995
- Deblonde G, 1999, Variational assimilation of SSM/I total precipitable water retrievals in the CMC analysis system, *Mon. Wea. Rev.*, **127**(7), 1458-1476
- Dethof A, O'Neill A, Slingo JM, Smit HGJ, 1999, A mechanism for moistening the lower stratosphere involving the Asian summer monsoon, *Quart. J. Roy. Meteor. Soc.*, **125**(556), Part B, 1079-1106
- Doherty RM, Hulme M, Jones CG, 1999, A gridded reconstruction of land and ocean precipitation for the extended tropics from 1974 to 1994, *Internat. J. Climatol.*, **19**(2), 119-142
- Doherty RM, Hulme M, Jones CG, 1999, A gridded reconstruction of land and ocean precipitation for the extended tropics from 1974 to 1994, *Internat. J. Climatol.*, **19**(2), 119-142
- Ebert EE, Weymouth GT, 1999, Incorporating satellite observations of "no rain" in an Australian daily rainfall analysis, *J. Appl. Meteor.*, **38**(1), 44-56
- Feichter J, Lohmann U, 1999, Can a relaxation technique be used to validate clouds and sulphur species in a GCM?, *Quart. J. Roy. Meteor. Soc.*, **125**(556), Part B, 1277-1294
- Forbes JM, Hagan ME, Zhang X, Hackney J, 1999, Upper atmosphere tidal variability due to latent heat release in the tropical troposphere, *Adv. Space Res.*, **24**(11), 1515-1521
- Fukutome S, Frei C, Luthi D, Schar C, 1999, The interannual variability as a test ground for regional climate simulations over Japan, *J. Meteor. Soc. Japan*, **77**(3), 649-672
- Hay SI, Lennon JJ, 1999, Deriving meteorological variables across Africa for the study and control of vector-borne disease: a comparison of remote sensing and spatial interpolation of climate, *Trop. Med. Internat. Health*, **4**(1), 58-71
- Hsu KL, Gupta HV, Gao XG, Sorooshian S, 1999, Estimation of physical variables from multichannel remotely sensed imagery using a neural network: Application to rainfall estimation, *Water Resources Res.*, **35**(5), 1605-1618

- Janowiak JE, Gruber A, Kondragunta CR, Livezey RE, Huffman GJ, 1999, Corrigendum to “A comparison of the NCEP-NCAR reanalysis precipitation and the GPCP rain gauge-satellite combined dataset with observational error considerations (vol 11, pg 2960, 1998)”, *J. Climate*, **12**(5), Part 2, 1552-1552
- Janowiak JE, Xie PP, 1999, CAMS-OPI: A global satellite-rain gauge merged product for real-time precipitation monitoring applications, *J. Climate*, **12**(11), 3335-3342
- Kiang JE, Eltahir EAB, 1999, Role of ecosystem dynamics in biosphere-atmosphere interaction over the coastal region of West Africa, *J. Geophys. Res.-Atmos.*, **104**(D24), 31173-31189
- Laing AG, Fritsch JM, Negri AJ, 1999, Contribution of mesoscale convective complexes to rainfall in Sahelian Africa: estimates from geostationary infrared and passive microwave data, *J. Appl. Meteor.*, **38**(7), 957-964
- Lau KM, Wu HT, 1999, Assessment of the impacts of the 1997-98 El Nino on the Asian-Australia monsoon, *Geophys. Res. Lett.*, **26**(12), 1747-1750
- Leung LR, Ghan SJ, Zhao ZC, Luo Y, Wang WC, Wei HL, 1999, Intercomparison of regional climate simulations of the 1991 summer monsoon in eastern Asia, *J. Geophys. Res.-Atmos.*, **104**(D6), 6425-6454
- Lohmann U, von Salzen K, McFarlane N, Leighton HG, Feichter J, 1999, Tropospheric sulfur cycle in the Canadian general circulation model, *J. Geophys. Res.-Atmos.*, **104**(D21), 26833-26858
- Marshall SJ, Clarke GKC, 1999, Ice sheet inception: subgrid hypsometric parameterization of mass balance in an ice sheet model, *Cli. Dynam.*, **15**(7), 533-550
- McCollum JR, Krajewski WF, 1999, On the relationship between the GOES precipitation index and ISCCP data set variables, *J. Geophys. Res.-Atmos.*, **104**(D24), 31467-31476
- Mocko DM, Walker GK, Sud YC, 1999, New snow-physics to complement SSiB part II: Effects on soil moisture initialization and simulated surface fluxes, precipitation and hydrology of GEOS II GCM, *J. Meteor. Soc. Japan*, **77**(1B), 349-366
- Nery JT, Oliveira JL, Junior HC, Ferriera NJ, 1999, Comparison of precipitation estimates from microwave and infrared satellite imagery and meteorological radar for Sao Paulo State, Brazil, *Austral. Meteor. Mag.*, **48**(4), 255-260
- Nystuen JA, 1999, Relative performance of automatic rain gauges under different rainfall conditions, *J. Atmos. Ocean. Tech.*, **16**(8), 1025-1043
- Petty GW, 1999, Prevalence of precipitation from warm-topped clouds over eastern Asia and the western Pacific, *J. Climate*, **12**(1), 220-229
- Prabhakara C, Iacovazzi R, Oki R, Weinman JA, 1999, A microwave radiometer rain retrieval method applicable to land areas, *J. Meteor. Soc. Japan*, **77**(4), 859-871
- Quartly GD, Srokosz MA, Guymer TH, 1999, Global precipitation statistics from dual-frequency TOPEX altimetry, *J. Geophys. Res.-Atmos.*, **104**(D24), 31489-31516
- Rowell DP, Zwiers FW, 1999, The global distribution of sources of atmospheric decadal variability and mechanisms over the tropical Pacific and southern North America, *Cli. Dynam.*, **15**(10), 751-772
- Shay-El Y, Alpert P, da Silva A, 1999, Reassessment of the moisture source over the Sahara Desert based on NASA reanalysis, *J. Geophys. Res.-Atmos.*, **104**(D2), 2015-2030
- Sud YC, Walker GK, 1999, Microphysics of Clouds with the Relaxed Arakawa-Schubert Scheme (McRAS). Part II: Implementation and performance in GEOS II GCM, *J. Atmos. Sci.*, **56**(18), 3221-3240

- Todd M, Washington R, 1999, A simple method to retrieve 3-hourly estimates of global tropical and subtropical precipitation from international satellite cloud climatology program (ISCCP) D1 data, *J. Atmos. Ocean. Tech.*, **16**(1), 146-155
- Todd MC, Barrett EC, Beaumont MJ, Bellerby TJ, 1999, Estimation of daily rainfall over the upper Nile river basin using a continuously calibrated satellite infrared technique, *Meteorol. Appl.*, **6**(3), 201-210
- Trenberth KE, 1999, Atmospheric moisture recycling: Role of advection and local evaporation, *J. Climate*, **12**(5), 1368-1381 Part 2
- Waliser DE, Lau KM, Kim JH, 1999, The influence of coupled sea surface temperatures on the Madden-Julian oscillation: A model perturbation experiment, *J. Atmos. Sci.*, **56**(3), 333-358
- Walsh JE, Portis DH, 1999, Variations of precipitation and evaporation over the North Atlantic Ocean, 1958-1997, *J. Geophys. Res.-Atmos.*, **104**(D14), 16613-16631
- Washington R, Todd M, 1999, Tropical-temperate links in southern African and Southwest Indian Ocean satellite-derived daily rainfall, *Internat. J. Climatol.*, **19**(14), 1601-1616
- Watterson IG, Dix MR, Colman RA, 1999, A comparison of present and doubled CO2 climates and feedbacks simulated by three general circulation models, *J. Geophys. Res.-Atmos.*, **104**(D2), 1943-1956
- Xu LM, Gao XG, Sorooshian S, Arkin PA, Imam B, 1999, A microwave infrared threshold technique to improve the GOES precipitation index, *J. Appl. Meteor.*, **38**(5), 569-579
- Xu LM, Sorooshian S, Gao XG, Gupta HV, 1999, A cloud-patch technique for identification and removal of no-rain clouds from satellite infrared imagery, *J. Appl. Meteor.*, **38**(8), 1170-1181
- Yang S, Lau KM, Schopf PS, 1999, Sensitivity of the tropical Pacific Ocean to precipitation induced freshwater flux, *Cli. Dynam.*, **15**(10), 737-750
- Yang S, Smith EA, 1999, Four-dimensional structure of monthly latent heating derived from SSM/I satellite measurements, *J. Climate*, **12**(4), 1016-103
- Zeng XB, 1999, The relationship among precipitation, cloud-top temperature, and precipitable water over the tropics, *J. Climate*, **12**(8), Part 2, 2503-2514

## 1998

- Bauer P, Schanz L, Roberti L, 1998, Correction of three-dimensional effects for passive microwave remote sensing of convective clouds, *J. Appl. Meteor.*, **37**(12), 1619-1632
- Berg W, Olson W, Ferraro R, Goodman SJ, LaFontaine FJ, 1998, An assessment of the first- and second-generation navy operational precipitation retrieval algorithms, *J. Atmos. Sci.*, **55**(9), 1558-1575
- Chen JM, Chen TC, 1998, The semiannual variation in the atmospheric hydrologic processes, *J. Geophys. Res.-Atmos.*, **103**(D4), 3761-3766
- Ebert EE, Manton MJ, 1998, Performance of satellite rainfall estimation algorithms during TOGA COARE, *J. Atmos. Sci.*, **55**(9), 1537-1557
- Ferraro RR, Smith EA, Berg W, Huffman GJ, 1998, A screening methodology for passive microwave precipitation retrieval algorithms, *J. Atmos. Sci.*, **55**(9), 1583-1600
- Frei C, Schar C, 1998, A precipitation climatology of the Alps from high-resolution rain-gauge observations, *Internat. J. Climatol.*, **18**(8), 873-900
- Janowiak JE, Gruber A, Kondragunta CR, Livezey RE, Huffman GJ, 1998, A comparison of the NCEP-NCAR reanalysis precipitation and the GPCP rain gauge-satellite combined dataset with observational error considerations, *J. Climate*, **11**(11), 2960-2979

- Lau KM, Wu HT, Yang S, 1998, Hydrologic processes associated with the first transition of the Asian summer monsoon: A pilot satellite study, *Bull. Amer. Meteor. Soc.*, **79**(9), 1871-1882
- Li QH, Ferraro R, Grody N, 1998, Detailed analysis of the error associated with the rainfall retrieved by the NOAA/NESDIS SSM/I algorithm - 1. Tropical oceanic rainfall, *J. Geophys. Res.-Atmos.*, **103**(D10), 11419-11427
- McCollum JR, Krajewski WF, 1998, Investigations of error sources of the Global Precipitation Climatology Project emission algorithm, *J. Geophys. Res.-Atmos.*, **103**(D22), 28711-28719
- McCollum JR, Krajewski WF, 1998, Uncertainty of monthly rainfall estimates from rain gauges in the Global Precipitation Climatology Project, *Water Resources Res.*, **34**(10), 2647-2654
- Murtugudde R, Busalacchi AJ, 1998, Salinity effects in a tropical ocean model, *J. Geophys. Res.-Oceans*, **103**(C2), 3283-3300
- Nystuen JA, 1998, Temporal sampling requirements for automatic rain gauges, *J. Atmos. Ocean. Tech.*, **15**(6), 1253-1260
- Peterson RG, White WB, 1998, Slow oceanic teleconnections linking the Antarctic Circumpolar Wave with the tropical El Nino-Southern Oscillation, *J. Geophys. Res.-Oceans*, **103**(C11), 24573-24583
- Prabhakara C, Meneghini R, Short DA, Weinman JA, Iacovazzi R, Oki R, Cadeddu M, 1998, A TRMM microwave radiometer rain retrieval method based on fractional rain area, *J. Meteor. Soc. Japan*, **76**(5), 765-781
- Quartly GD, 1998, Determination of oceanic rain rate and rain cell structure from altimeter waveform data. Part I: Theory, *J. Atmos. Ocean. Tech.*, **15**(6), 1361-1378
- Rao VB, Chapa SR, Cavalcanti IFA, 1998, Moisture budget in the tropics and the Walker circulation, *J. Geophys. Res.-Atmos.*, **103**(D12), 13713-13728
- Rotstayn LD, 1998, A physically based scheme for the treatment of stratiform clouds and precipitation in large-scale models. II: Comparison of modelled and observed climatological fields, *Quart. J. Roy. Meteor. Soc.*, **124**(546), 389-415 Part B
- Smith DM, Kniveton DR, Barrett EC, 1998, A statistical modeling approach to passive microwave rainfall retrieval, *J. Appl. Meteor.*, **37**(2), 135-154
- Smith EA, Lamm JE, Adler RF, Alishouse J, Aonashi K, Barrett E, Bauer P, Berg W, Chang A, Ferraro R, Ferriday J, Goodman S, Grody N, Kidd C, Kniveton D, Kummerow C, Liu G, Marzano F, Mugnai A, Olson W, Petty G, Shibata A, Spencer R, Wentz F, Wilheit T, Zipser E, 1998, Results of WetNet PIP-2 project, *J. Atmos. Sci.*, **55** (9), 1483-1536
- Stewart RE, Leighton HG, Marsh P, Moore GWK, Ritchie H, Rouse WR, Soulis ED, Strong GS, Crawford RW, Kochtubajda B, 1998, The Mackenzie GEWEX Study: The water and energy cycles of a major North American river basin, *Bull. Amer. Meteor. Soc.*, **79**(12), 2665-2683
- Trenberth KE, 1998, Atmospheric moisture residence times and cycling: Implications for rainfall rates and climate change, *Cli. Change*, **39**(4), 667-694
- Trenberth KE, Branstator GW, Karoly D, Kumar A, Lau NC, Ropelewski C, 1998, Progress during TOGA in understanding and modeling global teleconnections associated with tropical sea surface temperatures, *J. Geophys. Res.-Oceans*, **103**(C7), 14291-14324
- Trenberth KE, Guillemot CJ, 1998, Evaluation of the atmospheric moisture and hydrological cycle in the NCEP/NCAR reanalyses, *Cli. Dynam.*, **14**(3), 213-231
- Ueno K, 1998, Characteristics of plateau-scale precipitation in Tibet estimated by satellite data during 1993 monsoon season, *J. Meteor. Soc. Japan*, **76**(4), 533-548
- Wang JR, Zhan J, Racette P, 1998, Multiple aircraft microwave observations of storms over the western Pacific Ocean, *Radio Sci.*, **33**(2), 351-368

- Watterson IG, 1998, An analysis of the global water cycle of present and doubled CO<sub>2</sub> climates simulated by the CSIRO general circulation model, *J. Geophys. Res.-Atmos.*, **103**(D18), 23113-23129
- Xie PP, Arkin PA, 1998, Global monthly precipitation estimates from satellite-observed outgoing longwave radiation, *J. Climate*, **11**(2), 137-164

### 1997

- Baker MB, 1997, Cloud microphysics and climate, *Science*, **276**(5315), 1072-1078
- Chen G, Chapron B, Tournadre J, Katsaros K, Vandemark D, 1997, Global oceanic precipitation: A joint view by TOPEX and the TOPEX microwave radiometer, *J. Geophys. Res.-Oceans*, **102**(C5), 10457-10471
- Cook KH, 1997, Large-scale atmospheric dynamics and sahelian precipitation, *J. Climate*, **10**(6), 1137-1152
- Ferraro RR, 1997, Special sensor microwave imager derived global rainfall estimates for climatological applications, *J. Geophys. Res.-Atmos.*, **102**(D14), 16715-16735
- Forbes JM, Hagan ME, Zhang X, Hamilton K, 1997, Upper atmosphere tidal oscillations due to latent heat release in the tropical troposphere, *Ann. Geophys.-Atmos. Hydrosph. Space Sci.*, **15**(9), 1165-1175
- Hsu KL, Gao XG, Sorooshian S, Gupta HV, 1997, Precipitation estimation from remotely sensed information using artificial neural networks, *J. Appl. Meteor.*, **36**(9), 1176-1190
- Huffman GJ, 1997, Estimates of root-mean-square random error for finite samples of estimated precipitation, *J. Appl. Meteor.*, **36**(9), 1191-1201
- Huffman GJ, Adler RF, Arkin P, Chang A, Ferraro R, Gruber A, Janowiak J, McNab A, Rudolf B, Schneider U, 1997, The Global Precipitation Climatology Project (GPCP) Combined Precipitation Dataset, *Bull. Amer. Meteor. Soc.*, **78**(1), 5-20
- Huffman, G.J., ed., 1997, *The Global Precipitation Climatology Project Monthly Mean Precipitation Data Set*, WMO/TD No. 808, 37 pp
- Hulme M, New M, 1997, Dependence of large-scale precipitation climatologies on temporal and spatial sampling, *J. Climate*, **10**(5), 1099-1113
- Joyce R, Arkin PA, 1997, Improved estimates of tropical and subtropical precipitation using the GOES precipitation index, *J. Atmos. Ocean. Tech.*, **14**(5), 997-1011
- Kiehl JT, Trenberth KE, 1997, Earth's annual global mean energy budget, *Bull. Amer. Meteor. Soc.*, **78**(2), 197-208
- Liu GS, Curry JA, 1997, Precipitation characteristics in Greenland-Iceland-Norwegian Seas determined by using satellite microwave data, *J. Geophys. Res.-Atmos.*, **102**(D12), 13987-13997
- Marshall S, Roads JO, Oglesby RJ, 1997, Effects of resolution and physics on precipitation in the NCAR Community Climate Model, *J. Geophys. Res.-Atmos.*, **102**(D16), 19529-19541
- McCollum JR, Krajewski WF, 1997, Oceanic rainfall estimation: Sampling studies of the fractional-time-in-rain method, *J. Atmos. Ocean. Tech.*, **14**(1), 133-142
- Miller SW, Emery WJ, 1997, An automated neural network cloud classifier for use over land and ocean surfaces, *J. Appl. Meteor.*, **36**(10), 1346-1362
- Petty GW, 1997, An intercomparison of oceanic precipitation frequencies from 10 special sensor microwave/imager rain rate algorithms and shipboard present weather reports, *J. Geophys. Res.-Atmos.*, **102**(D2), 1757-1777

- Short DA, Kucera PA, Ferrier BS, Gerlach JC, Rutledge SA, Thiele OW, 1997, Shipboard radar rainfall patterns within the TOGA COARE IFA, *Bull. Amer. Meteor. Soc.*, **78**(12), 2817-2836
- Susskind J, Piraino P, Rokke L, Iredell T, Mehta A, 1997, Characteristics of the TOVS Pathfinder Path A dataset, *Bull. Amer. Meteor. Soc.*, **78**(7), 1449-1472
- Xie PP, Arkin PA, 1997, Global precipitation: A 17-year monthly analysis based on gauge observations, satellite estimates, and numerical model outputs, *Bull. Amer. Meteor. Soc.*, **78**(11), 2539-2558

#### 1996

- Ebert EE, Manton MJ, Arkin PA, Allam RJ, Holpin GE, Gruber A, 1996, Results from the GPCP Algorithm Intercomparison Programme, *Bull. Amer. Meteor. Soc.*, **77**(12), 2875-2887
- Esbensen SK, McPhaden MJ, 1996, Enhancement of tropical ocean evaporation and sensible heat flux by atmospheric mesoscale systems, *J. Climate*, **9**(10), 2307-2325
- Morrissey ML, Janowiak JE, 1996, Sampling-induced conditional biases in satellite climate-scale rainfall estimates, *J. Appl. Meteor.*, **35**, 541-548
- Petty GW, Krajewski WF, 1996, Satellite estimation of precipitation over land, *Hydrol. Sci. J.-J. Sci. Hydrol.*, **41**(4), 433-451
- Rudolf B, Hauschild H, R uth W, Schneider U, 1996, Comparison of raingauge analyses, satellite-based precipitation estimates and forecast model results, *Adv. in Space Res.*, **18**(7), (7)53-(7)62
- Sheu RS, Curry JA, Liu GS, 1996, Satellite retrieval of tropical precipitation using combined international satellite cloud climatology project DX and SSM/I data, *J. Geophys. Res.-Atmos.*, **101**(D16), 21291-21301
- Treadon RE, 1996, Physical initialization in the NMC global data assimilation system, *Meteor. Atmos. Phys.*, **60**(1-3), 57-86
- Williams CR, Avery SK, 1996, Diurnal nonmigrating tidal oscillations forced by deep convective clouds, *J. Geophys. Res.-Atmos.*, **101**(D2), 4079-4091
- Xie PP, Arkin PA, 1996, Analyses of global monthly precipitation using gauge observations, satellite estimates, and numerical model predictions, *J. Climate*, **9**(4), 840-858
- Xie PP, Rudolf B, Schneider U, Arkin PA, 1996, Gauge-based monthly analysis of global land precipitation from 1971 to 1994, *J. Geophys. Res.-Atmos.*, **101**(D14), 19023-19034

#### 1995

- Airey M, Hulme M, 1995, Evaluating climate model simulations of precipitation: Methods, problems and performance, *Progress Phys. Oceanog.*, **19**(4), 427-448
- Crosby DS, Ferraro RR, Wu H, 1995, Estimating the probability of rain in an SSM/I FOV using logistic regression, *J. Appl. Meteor.*, **34**(11), 2476-2480
- Foufoula-Georgiou E, Krajewski W, 1995, Recent advances in rainfall modeling, estimation, and forecasting, *Rev. Geophys.*, **33**, Part 2 Suppl. S, 1125-1137
- Garand L, Grassotti C, 1995, Toward an objective analysis of rainfall rate combining observations and short-term forecast model estimates, *J. Appl. Meteor.*, **34**(9), 1962-1977
- King PWS, Hogg WD, Arkin PA, 1995, The role of visible data in improving satellite rain-rate estimates, *J. Appl. Meteor.*, **34**(7), 1608-1621

- Negri AJ, Nelkin EJ, Adler RF, Huffman GJ, Kummerow C, 1995, Evaluation of passive microwave precipitation algorithms in wintertime midlatitude situations, *J. Atmos. Ocean. Tech.*, **12**(1), 20-32
- Petty GW, 1995, Frequencies and characteristics of global oceanic precipitation from shipboard present-weather reports, *Bull. Amer. Meteor. Soc.*, **76**(9), 1593-1616
- Rudolf B, Hauschild H, Ruth W, Schneider U, 1995, Comparison of raingauge analyses, satellite-based precipitation estimates and forecast model results, *Sat. Data for Atmos., Continent, and Ocean Res. in Adv. Space Res.*, **18**(7), 53-62
- Schmitt RW, 1995, The ocean component of the global water cycle, *Rev. Geophys.*, **33**, Part 2 Suppl. S, 1395-1409
- Shinoda T, Lukas R, 1995, Lagrangian mixed-layer modeling of the western equatorial Pacific, *J. Geophys. Res.-Oceans*, **100**(C2), 2523-2541
- Todd MC, Barrett EC, Beaumont MJ, Green JL, 1995, Satellite identification of rain days over the upper Nile river basin using an optimum infrared rain no-rain threshold temperature model, *J. Appl. Meteor.*, **34**(12), 2600-2611
- Trenberth KE, Guillemot CJ, 1995, Evaluation of the global atmospheric moisture budget as seen from analyses, *J. Climate*, **8**(9), 2255-2272
- Xie PP, Arkin PA, 1995, An intercomparison of gauge observations and satellite estimates of monthly precipitation, *J. Appl. Meteor.*, **34**(5), 1143-1160

#### 1994

- Arkin PA, Joyce R, Janowiak JE, 1994, The estimation of global monthly mean rainfall using infrared satellite data: The GOES Precipitation Index (GPI), *Rem. Sens. Rev.*, **11**, 107-124
- Arkin PA, Xie PP, 1994, The Global Precipitation Climatology Project - 1st Algorithm Intercomparison Project, *Bull. Amer. Meteor. Soc.*, **75**(3), 401-419
- Dalu G, Prabhakara C, Pompei A, Nucciarone J, 1994, Rainfall estimation over the oceans from 37 GHz radiometric measurements, *Nuo. Cim. Soc. Ital. Fis. C-Geophys. Space Phys.*, **17**(3), 349-358
- Grassotti C, Garand L, 1994, Classification-Based rainfall estimation using satellite data and numerical forecast model fields, *J. Appl. Meteor.*, **33**(2), 159-178
- Janowiak JE, Arkin PA, Morrissey M, 1994, An examination of the diurnal cycle in oceanic tropical rainfall using satellite and in-situ data, *Mon. Wea. Rev.*, **122**(10), 2296-2311
- Kasahara A, Mizzi AP, Donner LJ, 1994, Diabatic initialization for improvement in the tropical analysis of divergence and moisture using satellite radiometric imagery data, *Tellus Ser. A-Dynam. Meteor. Oceanog.*, **46**(3), 242-264
- McPherson RD, 1994, The National Centers for Environmental Prediction - Operational climate, ocean, and weather prediction for the 21st-Century, *Bull. Amer. Meteor. Soc.*, **75**(3), 363-373
- Petty GW, 1994, Physical retrievals of over-ocean rain rate from multichannel microwave imagery .2. Algorithm implementation, *Meteor. Atmos. Phys.*, **54**(1-4), 101-121
- Roads JO, Chen S, Guetter AK, Georgakakos KP, 1994, Large-scale aspects of the United-States hydrologic-cycle, *Bull. Amer. Meteor. Soc.*, **75**(9), 1589-1610

#### 1993 and earlier, by year

- Chiu LS, Chang ATC, Janowiak JE, 1993, Comparison of monthly rain rates derived from GPI and SSM/I using probability distribution functions, *J. Appl. Meteor.*, **32**, 323-334



- Dalu G, Prabhakara C, Nucciarone J, 1993, Optimization of an algorithm for the estimation of rainfall from the Special Sensor Microwave Imager data, *J. Meteor. Soc. Japan*, **71**(4), 419-425
- Negri AJ, Adler RF, 1993, An Intercomparison of 3 satellite infrared rainfall techniques over Japan and surrounding waters, *J. Appl. Meteor.*, **32**(2), 357-373
- Barrett EC, Bellerby TJ, 1992, The application of satellite infrared and passive microwave rainfall estimation techniques to Japan - results from the 1st GPCP Algorithm Intercomparison Project, *Meteor. Mag.*, **121**(1435), 34-46
- Janowiak JE, 1992, Tropical rainfall - A comparison of satellite-derived rainfall estimates with model precipitation forecasts, climatologies, and observations, *Mon. Wea. Rev.*, **120**(3), 448-462
- Arkin PA, Janowiak JE, 1991, Analysis of the global distribution of precipitation, *Dyn. Atmos. Oceans*, **16**, 5-16
- Janowiak JE, 1991, The reliance on operational weather-satellites for the production of a global precipitation climatology, *Global Planet. Change*, **90**(1-3), 93-98
- Rudolf B, Hauschild H, Reiss M, Schneider U, 1991, Operational Global analysis of monthly precipitation totals planned by the Global Precipitation Climatology Center, *Dynam. Atmos. Oceans*, **16**(1-2), 17-32
- World Climate Research Programme, 1988, Concept of the Global Energy and Water Cycle Experiment (GEWEX), WCRP-5, WMMO/TD-No. 215, WMO, Geneva, 70 pp
- World Climate Research Programme, 1988, Report of the Workshop on Global Large-Scale Precipitation Data Sets for the World Climate Research Programme, WCP-111, WMO/TD-No.94, WMO, Geneva, 50 pp