

Programme

Day 1: 19 August 2013 (Monday)

Time	Programme	Venue
08:00 – 08:30	Registration	
08:30 – 10:10	Climate Change and Our Actions Chair: Guoxiong Wu and Zhanqing Li	Lecture Theatre 1 Esther Lee Building
08:30 – 08:50	The World Climate Research Programme: Grand Challenges for the Decade Ahead by Antonio J. Busalacchi, University of Maryland, INVITED	
08:50 – 09:10	Overview of climate change and earth system science studies in China by Guanhua Xu, Ministry of Science & Technology, China, INVITED	
09:10 – 09:30	Climate Change and the 130 years of Weather and Climate in Hong Kong by Chi-Ming Shun, Director of Hong Kong Observatory, The HKSAR Government, INVITED	
09:30 – 09:50	Development of integrated observation platforms in critical regions of climate system: A few cases in Mainland China by Congbin Fu, Nanjing University, INVITED	
09:50 – 10:10	Black Carbon in 3D Mountain/Snow, Radiative Transfer and Regional Climate Change by Kuo-Nan Liou, University of California, Los Angeles, INVITED	
10:10 – 10:30	Tea/Coffee break	UG Foyer Esther Lee Building
10:30 – 11:00	Opening Ceremony Chair: Guanhua Xu, Tony Busalacchi	Lecture Theatre 1 Esther Lee Building

	<p>Video introducing CUHK Jockey Club Initiative Gaia</p> <p>Speech by Professor Joseph J Y Sung, Vice-Chancellor and President, The Chinese University of Hong Kong</p> <p>Speech by The Hong Kong Jockey Club Representative</p> <p>Speech by Mr Chi-Ming Shun, Director of Hong Kong Observatory, The HKSAR Government</p> <p>Speech by Professor Zhanqing Li, President, The Chinese-American Oceanic and Atmospheric Association</p>	
11:00 – 12:00	<p>Asian Monsoon Chair: William Lau and C. P. Chang</p>	
11:00 – 11:20	<p>Recent Advances in the Study on the Dynamics of the Asian Summer Monsoon Onset by Guoxiong Wu, Institute of Atmospheric Physics, Chinese Academy of Sciences, INVITED</p>	
11:20 – 11:40	<p>Interdecadal Variability and Future Change Trend of the East Asian Summer Monsoon Rainfall Under the Global Warming by Rong-Hui Huang, Institute of Atmospheric Physics, Chinese Academy of Sciences, INVITED</p>	
11:40 – 12:00	<p>Long-term Variation of Heat Sources over the Tibetan Plateau and Its Impact on Change in Asian Summer Monsoon by Yihui Ding, China Meteorological Administration, INVITED</p>	
12:00 – 13:00	Lunch	Chung Chi College Staff Club
13:00 – 13:40	Asian Monsoon (Continued)	
13:00 – 13:20	<p>Northern Hemisphere Summer Monsoon Intensified by Mega-ENSO and AMO by Bin Wang, University of Hawaii, INVITED</p>	
13:20 – 13:40	<p>The Aerosol-Monsoon Climate System of Asia by William M. K. Lau, NASA Goddard Space Flight Center, INVITED</p>	Lecture Theatre 1 Esther Lee Building
13:40 – 15:20	<p>Aerosol and Climate Chair: Yihui Ding and Wei-Kuo Tao</p>	
13:40 – 14:00	<p>Climate Changes and the Potential Rules of Increasing Air Pollution in China</p>	

	By Zhanqing Li, University of Maryland, INVITED	
14:00 – 14:20	Regional and Global Impacts of Asian Pollution by Renyi Zhang, Texas A&M University, INVITED	
14:20 – 14:40	Observational Study of the Aridity Effect of Dust Aerosols by Jianping Huang, Lanzhou University, INVITED	
14:40 – 15:00	Overview of Seven South East Asian Studies (7-SEAS) in Southeast Asia by Neng-Huei Lin, National Central University, INVITED	
15:00 – 15:20	How Aerosols Impact Deep Convection, Radiative Forcing and Circulation? by Jiwen Fan, Pacific Northwest National Laboratory, USA, INVITED	
15:20 – 16:00	Poster Session	UG Foyer Esther Lee Building
16:00 – 18:00	Dual Breakout Sessions	
	Session 1: Asian Monsoon (Part I) Chair: Bin Wang and Dalin Zhang	Session 2: Aerosols and Climate (Part I) Chair: Renyi Zhang and Jianping Huang
Venue	Lecture Theatre 1 Esther Lee Building	Room 405 Esther Lee Building
Time		
16:00 – 16:15	Detection of a Coupled-S-Shaped Pattern in the Normalized Refractivity Anomaly in the East Asia and Western North Pacific and Its Implications by Xingqin Fang, University Corporation for Atmospheric Research, USA	Light Precipitation Suppression over the Taihang Mountains in Northern China by Summertime Air Pollution by Jianping Guo, Chinese Academy of Meteorology
16:15 – 16:30	An analysis of the Extreme Dry spells in Taiwan and Its Relationship with East Asian Monsoons Variations by Mong-Ming Lu, Central Weather Bureau, Taiwan	Most Probable Height of Aerosols by Jingfeng Huang, University of Maryland, and NOAA National Environmental Satellite, Data, and Information Service
16:30 – 16:45	The Implication of ENSO on Asia-Pacific Regional Climate by Wen Zhou, School of Energy and Environment, University of Hong Kong	Sensitivity of CAM5 cloud simulation to ice-nucleation parameterizations and its implication to climate by Chuanfeng Zhao, Beijing Normal University
16:45 – 17:00	The Structural Characteristics of Precipitation	Aerosol effects on deep convection over the

	in Asian-Pacific's Three Monsoon Regions Measured by TRMM by Fangzhou Li, Sun Yat-sen University	Indian region during ARM GVAX Campaign by Manoj Manguttathil, University of Maryland Earth System Science Interdisciplinary Center
17:00 – 17:15	Roles of 10–20-day oscillation in rainstorms of October 2010 over Hainan in China by Maoqiu Jian, Department of Atmospheric Sciences, Sun Yat-sen University	Classification and investigation of Asian aerosol absorptive properties by Timothy Logan, University of North Dakota
17:15 – 17:30	Effects of Air-Sea Coupling on the Boreal Summer Intraseasonal Oscillations over the Tropical Indian Ocean by Ailan Lin, Institute of Tropical and Marine Meteorology, China Meteorological Administration	Microphysical, Macrophysical and Radiative Impacts of Aerosol on Different Cloud Systems by Yun Lin, Texas A&M University
17:30 – 17:45	Monsoon and Tropical Meteorology Relationship of the interannual variability of moisture source over southern Indian Ocean during boreal summer to the local SST and ENSO by Yunting Qiao, Sun Yat-sen University	The impact of chemical composition and particle shape on the radiative properties of polluted dust by Meng Fan, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences
17:45 – 18:00	Impacts of Different Types of El Niño on the East Asian Climate: Focus on ENSO Cycles by Yuan Yuan, National Climate Center, China Meteorological Administration	Study on the temporal evolution and spatial distribution of urban heat islands over Pearl River Delta in recent ten years by Baomin Wang, Department of Atmospheric Sciences, Sun Yat-sen University
18:00 – 20:30	Welcoming banquet in celebration of COAA's 20th Anniversary, CUHK's 50th Anniversary and HKMS's 25th Anniversary	Jasmine Room Royal Park Hotel

Day 2: 20 August 2013 (Tuesday)

Time	Programme	Venue
08:45 – 10:25	Cloud and Precipitation Chair: Kuo-Nan Liou and Ronghui Huang	Lecture Theatre 1 Esther Lee Building
08:45 – 09:05	Record-Breaking Increase in Taiwan Typhoon Rainfall in the Recent Decade: Is it Related to Global Warming? by Chih-Pei Chang, Naval Postgraduate School, USA, INVITED	
09:05 – 09:25	A Robust Multi-scale Modeling System for the Study of Cloud and Precipitation Processes by Wei-Kuo Tao, NASA Goddard Space Flight Center, INVITED	

09:25 – 09:45	Numerical simulations of the effects of deep convection on the concentration and size-distribution of aerosol particles at the upper troposphere by Yan Yin, Nanjing University of Information Science and Technology, INVITED	
09:45 – 10:05	Marine and Continental Low-level Cloud Processes and Properties by Xiquan Dong, University of North Dakota, INVITED	
10:05 – 10:25	Multi-sensor Remote Sensing of Cloud Macrophysical and Microphysical Properties with the A-train Satellites by Zhien Wang, University of Wyoming, INVITED	
10:25 – 10:40	Tea/coffee break	UG Foyer Esther Lee Building
10:40 – 12:10	Dual Breakout Sessions	
	Session 1: Climate Change Chair: Donxin Hu and Yee Leung	Session 2: Cloud and Precipitation Chair: Congbin Fu and Fuzhong Weng
Venue	Lecture Theatre 1 Esther Lee Building	Room 405 Esther Lee Building
Time		
10:40 – 10:55	A numerical experiment for the quasi-biweek oscillation in the South China Sea by Dongxiao Wang, The South China Sea Institute of Oceanology	Uncertainty Analysis of the Cloud Retrievals Using a Perturbation Method by Chuanfeng Zhao, Beijing Normal University
10:55 – 11:10	Cyclic Fluctuations of Climate Change Effects on the Annual Catch of Grey Mullet (<i>Mugil cephalus</i> L.) in the Taiwan Strait by Ming-An Lee, Department of Environmental Biology Fisheries Science, National Taiwan Ocean University	Development of intense helicity and vortical hot towers in Hurricane Bonnie (1998) by Yongqing Wang, Nanjing University of Information Science and Technology
11:10 – 11:25	Prioritizing air pollution control and climate change adaption to tackle food insecurity in the mid-21st century by Amos P. K. Tai, MIT / The Chinese University of Hong Kong	The Application of Newtonian Jerky Dynamics in Inertial Instability by Wei Zhong, Nanjing University
11:25 – 11:40	Performance evaluation of CMIP5 models in simulating temperature over southern China by Hang-wai Tong, Hong Kong Observatory	Sudden Track Changes of Tropical Cyclones in Monsoon Gyres: Idealized Experiments by Jia Liang, Nanjing University of Information Science and Technology

11:40 – 11:55	Will climate change have its greatest ecological impact in arctic or tropical regions? Insights from a migrant species by David L. Thomson, University of Hong Kong	What are the major sources and pathways of air contributing to heavy pollutant episodes in Hong Kong? By Chow Chak Hang, School of energy and environment, City University of Hong Kong
11:55 – 12:10	Impact of human activity on regional warming over Asian drylands by Xiaodan Guan, College of Atmospheric Sciences, Lanzhou University	Increase of summertime thunderstorm in Southeast China: Potential impacts of increasing aerosol loading, by Xin Yang and Zhanqing Li, Beijing Normal University and University of Maryland
12:10 – 13:00	Lunch	Chung Chi College Staff Club
13:00 – 15:00	Weather Forecasting, Hurricane, Data Assimilation & Remote Sensing Chair: Song Yang and Xiquan Dong	Lecture Theatre 1 Esther Lee Building
13:00 – 13:20	Recent Advances in Tropical Cyclogenesis Research by Dalin Zhang, University of Maryland, INVITED	
13:20 – 13:40	On the origin and impact of asymmetric polygonal eyewall and mesovortices in the rapid intensification of hurricane Wilma (2005) by Peter M. K. Yau, McGill University, INVITED	
13:40 – 14:00	Uses of Suomi NPP Data for Improving Hurricane/Typhoon Forecasts by Fuzhong Weng, Center for Satellite Applications and Research, NOAA National Environmental Satellite, Data, and Information Service, INVITED	
14:00 – 14:20	Multi-scale Prediction of the Asian Monsoon in the NCEP Climate Forecast System by Song Yang, Sun Yat-sen University, INVITED	
14:20 – 14:40	Ensemble forecast: assessing and communicating forecast uncertainty by Yuejian Zhu, NOAA National Centers for Environmental Prediction, INVITED	
14:40 – 15:00	Evaluation and Regime-dependent Error Diagnosis of Cloud and Water Vapor Simulations in Climate Models Using NASA A-Train Satellite Observations by Jonathan Jiang, NASA Jet Propulsion Laboratory, INVITED	
15:00 – 16:00	Poster Session	UG Foyer Esther Lee Building

16:00 – 18:00		Dual Breakout Sessions	
Session 1: Weather Forecasting and Data Assimilation Chair: Yuejian Zhu and Peter Yau		Session 2: Remote Sensing Chair: Zhien Wang and Jonathan Jiang	
Venue	Lecture Theatre 1 Esther Lee Building	Venue	Room 405 Esther Lee Building
Time		Time	
16:00 – 16:15	Intermediate Frequency Atmospheric Disturbances: A Dynamical Bridge Connecting western U.S. Extreme Precipitation with East Asian Cold by Yi Deng, Georgia Institute of Technology	16:00 – 16:20	A Thematic Climate Data Record (TCDR) of Atmospheric Temperature Derived from Satellite Microwave Sounding Instruments Using 1D-Var by Kunghwa Wang, University of Maryland, INVITED
16:15 – 16:30	The Improvement of Boundary Layer Sounding from Satellite Observation by Chian-Yi Liu, National Central University	16:20 – 16:40	Emerging Satellite Observations of Above-Cloud Aerosols and Direct Radiative Forcing by Zhibo Zhang, University of Maryland, Baltimore County, INVITED
16:30 – 16:45	The multi-scale prediction of onset date of South China Sea summer monsoon and its driven mechanism by Dejun Gu, Institute of Tropical and Marine Meteorology, China Meteorological Administration	16:40 – 16:55	Climatological Means and Variations of Tropical Precipitation and Its Relationship With Surface Temperature from 15 years of TRMM Data by Jian-Jian Wang, University of Maryland
16:45 – 17:00	Factors for interannual variations of September-October rainfall in Hainan, China by Zhiping Wen, Department of Atmospheric Sciences, Sun Yat-sen University	16:55 – 17:10	Characterization of DCC targets with GOME-2 observation for GOES calibration of visible Channels by Haifeng Qian, Center for Satellite Applications and Research, NOAA National Environmental Satellite, Data, and Information Service
17:00 – 17:15	Relationship between summer rainfall anomalies and sub-seasonal oscillations in South China by Chunhui Li, Institute of Tropical and Marine Meteorology	17:10 – 17:25	A new approach to retrieving cloud base height of marine boundary layer clouds by Jiming Li, College of Atmospheric Sciences, Lanzhou University
17:15 – 17:30	Dynamical Response of the South China Coastal Monsoon Trough to Mesoscale Convective Systems Associated with Continuous Heavy Rainfall Process by Weiguang Meng, Institute of Tropical and Marine Meteorology, China	17:25 – 17:40	Space-based measurements of XCO ₂ in China during the past three years by Mingmin Zou, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences

	Meteorological Administration		
18:00 – 20:00	Dinner		Staff Common Room

Day 3: 21 August 2013 (Wednesday)

Time	Programme	Venue
08:45 – 10:05	Ocean, Air-Sea Interactions and Climate Chair: Yee Leung and Renguang Wu	Lecture Theatre 1 Esther Lee Building
08:45 – 09:05	Review of recent advances on ocean circulation study in the western Pacific Ocean by Dunxin Hu, Institute of Oceanography, INVITED	
09:05 – 09:25	Ocean and Meteorological Data from In-situ Ocean Observing Systems by Chung-Chu Teng, NOAA Center for Operational Oceanographic Products and Services, INVITED	
09:25 – 09:45	Investigating the relationship between tropical cyclones and the tropical 10-60 day oscillations of the Western Pacific by Chung-Hsiung Sui, National Taiwan University, INVITED	
09:45 – 10:05	Role of Indonesian Throughflow in the interannual climate variations and predictability of the tropical Indo-Pacific Ocean by Dongliang Yuan, Institute of Oceanography, INVITED	
10:05 – 10:20	Tea/coffee Break	UG Foyer Esther Lee Building
10:20 – 12:10	Climate Variability and Modeling Chair: Dunxin Hu and Chung-Hsiung	Lecture Theatre 1 Esther Lee Building
10:20 – 10:40	A Hierarchical Framework for Evaluating High Resolution Climate Models by L. Ruby Leung, Pacific Northwest National Laboratory, USA, INVITED	
10:40 – 11:00	Expansion of global drylands under a warming climate by Qiang Fu, University of Washington, INVITED	
11:00 – 11:20	About an interdecadal change around 1993 over East Asia and the western North Pacific by Renguang Wu, Institute of Space and Earth Information Science, The Chinese University of Hong Kong, INVITED	
11:20 – 11:40	Effects of Energy Use on Climate---Beyond the Urban Heat Islands	

	by Guang Jun Zhang, Scripps Institute of Oceanography, INVITED	
11:40 – 12:00	Poleward Expansion of the Hadley Circulation in CMIP5 Simulations by Yongyun Hu, Peking University, INVITED	
12:00 – 12:20	Modifications to sub-grid scale cloud representation aimed at improving SST simulations in the ACCESS coupled-mode by Zhian Sun, Australia Bureau of Meteorology, INVITED	
12:20 – 13:20	Lunch	
	Chung Chi College Staff Club	
13:20 – 14:20	Climate Changes Chair: Qiang Fu and Ruby Leung	
13:20 – 13:40	Recent Progresses of the Program “Carbon Budget and Relevant Issues in Response to Climate Change ” by Daren Lu, Institute of Atmospheric Physics, Chinese Academy of Sciences, INVITED	
13:40 – 14:00	Assessing the Influence of Regional SST Modes on the Winter Temperature in China: the Effect of Tropical Pacific by Zhihong Jiang, Nanjing University of Information Science and Technology, INVITED	
14:00 – 14:20	Climate Changes of Atlantic Tropical Cyclone Formation by Liguang Wu, Nanjing University of Information Science and Technology, INVITED	
	Lecture Theatre 1 Esther Lee Building	
14:20 – 15:00	Tea/Coffee Break	
	UG Foyer Esther Lee Building	
15:00 – 17:00	Dual Breakout Sessions	
	Session 1: Ocean and Air-Sea Interactions Chair: Yongyun Hu and Dongliang Yuan	Session 2: Aerosols and Climate (Part II) Chair: Jiwen Fan and Jingfeng Huang
Venue	Lecture Theatre 1 Esther Lee Building	Room 405 Esther Lee Building
Time		
15:00 – 15:15	Contrasting impact of Eastern-Pacific and Central-Pacific types of ENSO on the moisture circulation over East Asia by Xiuzhen Li, City University of Hong Kong	Inverse model estimation of ammonia emissions over North China by Lin Zhang, Peking University
15:15 – 15:30	Increased tropical cyclone precipitation area with local SST	Characteristics of the seasonal variation of anthropogenic aerosol and its interaction with

	by Yanluan Lin, Tsinghua University	East Asia climate by Yiquan Jiang, Nanjing University
15:30 – 15:45	Coupling of a Regional Atmospheric Model (RegCM3) and a Regional Oceanic Model (FVCOM) over the Maritime Continent by Jun Wei, Peking University	Mixing Weight Determination of Dust/Soot Mixture with MODIS data Over Arid Areas by Tang-Huang Lin, National Central University, Taiwan
15:45 – 16:00	Interannual modulation of the Pacific Decadal Oscillation (PDO) on the low-latitude western North Pacific by Chau-Ron Wu, National Taiwan Normal University	Modeling Study of the Effect of Anthropogenic Aerosols on Drought in the Late Spring of South China by Ning Hu, State Key Laboratory of Numerical Modelling for Atmospheric Sciences and Geophysical Fluid Dynamics, Institute of Atmospheric Physics, Chinese Academy of Sciences, and Pacific Northwest National Laboratory, USA
16:00 – 16:15	North Atlantic ventilation using chlorofluorocarbons and idealised-tracer simulations by Yanchun He, Institute of Atmospheric Physics, Chinese Academy of Sciences	Climate Characteristic and Variation of Rainstorm in South China by Hongyu Wu, Climate Center of Guangdong, China Meteorological Administration
16:15 – 16:30	Seasonality of atmosphere-ocean interaction in the South China Sea by Zhuoqi He, Institute of Space and Earth Information Science, The Chinese University of Hong Kong	Studies on the Tropical Atmospheric Intraseasonal oscillation in different reanalysis data by Qingquan Li, National Climate Center, China Meteorological Administration
16:30 – 16:45	Variability of the Indian Ocean SST and its possible impact on summer western North Pacific anticyclone in the NCEP Climate Forecast System by Xingwen Jiang, Institute of Plateau Meteorology, China Meteorological Administration	Emissions of nitrogen oxides over China retrieved from space: trends, variability and impacts on particulate matter pollution by Jintai Lin, Peking University
16:45 – 17:00	Recent Increase in High Tropical Cyclone Heat Potential Region in the Western North Pacific Ocean and the new Ocean Coupling Potential Intensity Index by I-I Lin, Department of Atmospheric Sciences, National Taiwan University	Process analysis of typical aerosol pollution in autumn over Pearl River Delta, China By Yiming Liu, Department of Atmospheric Sciences, Sun Yat-sen University

Poster Session

19 August 2013 (Monday) 15:20 – 16:00

Chair: Jingfeng Huang and Peter Wang

1. Effects of climate and emissions changes on the future particulate matter pollution in the U.S.
Hao He, Earth System Science Interdisciplinary Center, University of Maryland
2. Investigation of the seasonal variations of Marine and continental aerosols, clouds, and their interactions with meteorological regimes
Timothy Logan, University of North Dakota
3. Simulations of the First Indirect Effect of Anthropogenic Sulfate and Its Impact on Regional Climate of East Asia
Jinghua Chen, Nanjing University of Information Science and Technology
4. An Observational Study of Aerosol Optical Properties at Mt. Huang in Summer
Yuan Liang, Nanjing University of Information Science and Technology
5. Study on Rise in the Tropical Tropopause Height from 1979 to 2011
Bin Zheng, Institute of Tropical and Marine Meteorology, China Meteorological Administration
6. Impact of climate change on runoff in the upstream catchment of the Feilaixia reservoir, South China
Chuan-Hao Wu, School of Civil Engineering and Transportation, South China University of Technology
7. Urbanization Effects on Precipitation over the Pearl River Delta
Chengyan Mao, Sun Yat-Sen University
8. University Long term Variability of Rainfall possibly influenced by ENSO index in Taiwan
Yi-Chun Kuo, Department of Environmental Biology Fisheries Science, National Taiwan Ocean
9. Precipitation probability of clouds over China based on ISCCP and ground precipitation products
Mengjiao Jiang, College of Global Change and Earth System Science, Beijing Normal University
10. Stochastic Dynamical Simulation on the 100Kya Cycles in the Climate System
Duan Mingkeng, Nanjing University of Information Science and Technology
11. Cloud Optical and Microphysical Properties Derived from Ground-Based and Satellite Sensors over a Site in the Yangtze Delta Region
Jianjun Liu, University of Maryland
12. The Variability of Methane Fluxes From a Temperate Ombrotrophic Peatland in Canada
Derrick Lai, Department of Geography and Resource Management, The Chinese University of Hong Kong
13. Effect of urban morphologies on urban airflows and pollutant dispersion in urban-like geometries
Jian Hang, Sun Yat-Sen University

14. Relationship between summer rainfall anomalies and sub-seasonal oscillations in South China
Chunhui Li, Institute of Tropical and Marine Meteorology, China Meteorological Administration

20 August 2013 (Tuesday) 15:00 – 16:00

Chair: Haifeng Qian and Jianjian Wang

15. The impact on East Asia due to the variation of transient wave and stationary wave
Leung Yu Ting, City University of Hong Kong

16. The Implication of Atmospheric Blocking Patterns over Ural-Siberia on the East Asian Winter Climate
Hoffman H. N. Cheung, City University of Hong Kong

17. Summer High Temperature Extremes in Southeast China Associated with the East Asian Jet Stream and Circumglobal Teleconnection
Weiwen Wang, City University of Hong Kong

18. Influence of ENSO on tropical wave activity in western North Pacific
Liang Wu, Institute of Atmospheric Physics, Chinese Academy of Sciences

19. Investigation of the Inter-annual Variability of Typhoon's Maximum Potential Intensity in the Western North Pacific Ocean
Jui-Yu Chan, Department of Atmospheric Science, National Taiwan University

20. Investigation of ocean's barrier layer and warm ocean feature on tropical cyclone's intensity change
Mei-Leng Lam, Department of Atmospheric Sciences, National Taiwan University

21. Attribution of the recent summer warming in Indian Ocean Basin to the decadal change in the seasonal timing of El Niño decay phase
Rongcai Ren, Institute of Atmospheric Physics, Chinese Academy of Sciences

22. The Interannual Variability and Influencing Factors of the winter India-Burma Trough
Shiji Chen, Department of Atmospheric Sciences, Sun Yat-sen University

23. North Atlantic ventilation using chlorofluorocarbons and idealised-tracer simulations
Yanchun He, Institute of Atmospheric Physics, Chinese Academy of Sciences

24. NOAA CoastWatch Okeanos Ocean Color Operational Production System
Banghua Yan, Office of Satellite and Product Operations, NOAA National Environmental Satellite, Data, and Information Service

25. NUMERICAL MODELING RESEARCH OF ROSSBY TOPOGRAPHIC WAVE
Jiang Qin, Sun Yat-sen University

26. Cloud-scale simulation studying on the evaluation of latent heat processes of mesoscale convective system accompanying heavy rainfall: The Guangzhou Case
Kailu Wu, Sun Yat-sen University

27. A new method for identifying the severity of drought: a case study in Southwest China

Wang Lin, Center for Monsoon System Research, Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China

28. On Empirical Bias Corrections of NPP CrIMSS OSS Forward Model
Changyi Tan, IMSG @ Center for Satellite Applications and Research, NOAA National Environmental Satellite, Data, and Information Service
29. Environmental Properties of the linear Mesoscale convective systems during Meiyu period in the Middle-lower reaches of Yangtze river area.
Xiaofang Wang, Institute of Heavy Rain, China Meteorological Administration
30. Cloud-scale simulation study of Typhoon Hagupit (2008) Part I: Microphysical processes of the inner core and three-dimensional structure of the latent heat budget
Jiangnan Li, Sun Yat-sen University
31. Influences of the Pacific-Japan teleconnection pattern on synoptic-scale variability in the Western North Pacific
Li Cheuk Yin, School of Energy and Environment, City University of Hong Kong
32. Application of FY Satellite Data on Mesoscale Analysis and Simulation of Beijing 7.21 Heavy Rainstorm Event by LAPS
Hongli Li, Wuhan Institute of Heavy Rain, China Meteorological Administration
33. Precipitation characteristic over the Pearl River Delta Metropolitan based on the satellite and ground observations
Sheng Chen, Sun Yat-sen University
34. Impacts of land and sea surface temperature on the South China Sea summer monsoon onset
Ming Luo and Yee Leung, Department of Geography and Resource Management, The Chinese University of Hong Kong
35. Impact of ENSO on precipitation in the East River basin, south China
Jianfeng Li, Department of Geography and Resource Management, The Chinese University of Hong Kong
36. North Pacific Gyre Oscillation and the Occurrence of Western North Pacific Tropical Cyclones
Wei Zhang and Yee Leung, Department of Geography and Resource Management, The Chinese University of Hong Kong
37. A modeling study of multi-scale nature of tropical cyclone activities in June 2004
Lin Ching, National Central University
38. A study of regional air pollution in spring using WRF/CMAQ model over Pearl River Delta, China
Qi Fan, Department of Atmospheric Science, Sun Yat-sen University
39. Improved retrieval of tropospheric nitrogen dioxide from satellite remote sensing
Jintai Lin, Peking University