

## The Fourth International Ocean-Atmosphere Conference (COAA2007)

### General Agenda

July 3, 2007, Tuesday

Morning: Registration  
Afternoon: Registration  
Evening: Reception

July 4, 2007, Wednesday

Morning: Opening Ceremony  
Afternoon: Sessions OC11-OC17  
Evening: Banquet

July 5, 2007, Thursday

Morning: Sessions OC21-OC27, All posters  
Afternoon: Sessions OC31-OC37, All posters

July 6, 2007, Friday

Local Sightseeing (on your own)

Key Points:

**\*Location: Huang Hai Hotel - Qingdao, China**

**Address: 75 Yan An Yi Road, Qingdao, 266033**

Take taxi from Qingdao Airport to Huang Hai Hotel, the charge is around \$10.

\*The local hosts have reserved hotel rooms for all overseas participants for three nights from July 3 noon to July 6 noon, but you should check in personally when you arrive.

\*The conference covers the meals for the same days.

\*The local host, Secretary General of COAA 2007:

Dr. Fangli Qiao

Deputy Director of the First Institute of Oceanography, SOA

Tel.: 8896-0055; 8896-7400; 13706340389

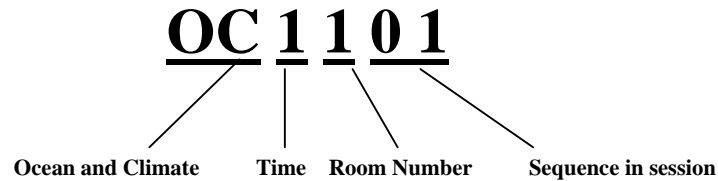
e-mail: [qiaofl@fio.org.cn](mailto:qiaofl@fio.org.cn)

\*If you need transportation assistance from airport to the hotel, please contact persons:

Mr. Dapeng Qu Email: [qudp@fio.org.cn](mailto:qudp@fio.org.cn) Tel: 138648011061

Mr. Baoqiang Xiang Email: [xiangbq@fio.org.cn](mailto:xiangbq@fio.org.cn) Tel: 8896-1173; 13863990113

**Paper Numbers.** A paper number designates the time, conference room and the sequence in session



**Example:** OC1101=Ocean and Climate, Afternoon July 4, Room 1, first paper in that session.

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**OC11      Wednesday      1400h**

**Tropical Ocean and Atmosphere**

**Presiding:** Da-Lin Zhang, UMD; Ming-Jen Yang, NCU, Taiwan

1400h **OC1101 Jau-Ming Chen**, Spring Rainfall Variability in Taiwan and ENSO

1420h **OC1102 Qinyu Liu**, Jianling Yang, Shang-Ping Xie, and et al., Impact of the Indian Ocean SST Anomaly on the Asian Summer Monsoon

1440h **OC1103 Jun Du**, Rucong Yu, Chunguang Cui, and et al., Interactive Prediction-Observation System to Possibly Increase Predictability of Heavy Rain Events by Using Mesoscale Ensemble: a Simulation Study

1500h **OC1104 Zhiping Wen**, The Features of 30-60d Oscillation and their Impacts of on the Onset of the South China Sea Summer Monsoon

1520h **OC1105 Song Yang**, Z. Zhang, V. E. Kousky, and et al., Simulations and Seasonal-Interannual Predictions of the Asian Summer Monsoon in NCEP's Operational Climate Forecast System

1540h **OC1106 Chuhan Lu**, Zhaoyong Guan, Panxing Wang, and et al., Detecting Relations of Summer Rainfall Anomalies in Eastern China with SSTA in Global Domain with a New Significance Test Method

**Presiding:** Song Yang, NOAA

1620h **OC1107 Jiang Tang**, Associated Large-scale Characteristics in Stratified Tropical Cyclone Dataset

1640h **OC1108 Xin Wang**, Wen Zhou, Chongyin Li, and et al., The Asymmetry Impacts of ENSO on Meiyu Rainfall

1700h **OC1109 Xiouhua (Joshua) Fu**, Advances in Understanding the Interaction between Tropical Intra-Seasonal Oscillation and underlying Ocean

1720h **OC1110 Botao Xie**, Defu Liu, Liang Pang, Statistical Prediction of long term Characteristics for Typhoon induced Flood Disaster in China

1740h **OC1111 Xuejuan Ren**, Yaocun Zhang, Connections of Wintertime West Pacific Jet Stream Anomalies to the Ocean Surface Heating and Transient Eddy Activities

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**OC12      Wednesday      1400h**

**Air-Sea-Land Interactions**

**Presiding:** Long Chiu, CUHK

1400h **OC1201 John T. Fasullo**, Kevin E. Trenberth, The Annual Cycle of the Energy Budget: Global mean and Land-Ocean Exchanges

1420h **OC1202 Bingyi Wu**, Mark A. Johnson, Distinct Modes of Winter Arctic Sea Ice Motion

1440h **OC1203 Aiguo Dai**, Taotao Qian, Kevin E. Trenberth, Changes in Continental Freshwater Discharge from 1949-2004

1500h **OC1204 Liping Li**, Panxin Wang, Zhaoyong Guang, The Characteristics of Intraseasonal Oscillation Intensity

1520h **OC1205 Yanlin Cui**, Jian Lan, Dexing Wu, Causes of a Sudden Bottom water Formation in the Japan/East Sea during the Winter 2000-2001

1540h **OC1206 Jiabei Fang**, Observational Analyses of the Atmospheric Response to Heat Forcing in the Midlatitude North Pacific

**Presiding: Sixun Huang**, PLAUST

1620h **OC1207 Qingjiu Gao**, Lisheng Hao, Jinzhong Min, Relationship between Interdecadal Variability of Summer Rainfall in North China, East Asia Summer Monsoon and Atmospheric Circulation Anomaly

1640h **OC1208 Wenshi Lin**, Dongsheng Du, Hui Lin, and et al., 珠江三角洲的土地利用变化对夏季月气候的影响

1700h **OC1209 Chunyan Sheng**, Jianlin Wang, Xiuguang Diao, The Feature and Three-dimensional Structure of Sea and Land Breeze in Qingdao During 2006 Olympic Sailing Test Event

1720h **OC1210 Xueli Shi**, "Initial" Soil Moisture Effects on the Climate of China—A Regional Climate Model Study

1740h **OC1211 Xuguang Sun**, Xiu-Qun Yang, Numerical Simulations of the Interannual Atmosphere Responses of East Asia to an El Nino Event

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**OC13                      Wednesday                      1400h**

**Ocean Dynamics**

**Presiding: Qinghua Zhang**, FIO, SOA; **Xinan Liu**, UMD

1400h **OC1301 Yeli Yuan**, The Formation Mechanism of the Internal Wave in the Kuroshio Front Area

1420h **OC1302 Xinan Liu**, James Diorio, James Duncan, The Effects of Surfactants and Wind on Spilling Breaking Waves

1440h **OC1303 INVITED John C. H. Chiang**, Wei Cheng, Cecilia M. Bitz, The Day after Tomorrow: Global Impacts of Atlantic Thermohaline Shutdown

1505h **OC1304 Qinghua Zhang**, Yuanyuan Qu, A Note on the Munk Solution of Wind-driven Ocean Circulation

1525h **OC1305 Qing Xu**, Quanan Zheng, Hui Lin, and et al., Dynamical Analysis of Ocean Mesoscale Eddy-induced Internal Waves using linear Theories

1545h **OC1306 Yeli Yuan, Lei Han**, Feng Hua, and et al., A New Wave Breaking Statistical Model and its Application in Ocean Turbulence Model

**Presiding: Ruixin Huang**, WHOI; **Wei Wang**, OUC

1620h **OC1307 Jianke Li**, Interannual Sea Level Variations in the South Pacific from 5S-28S

1640h **OC1308 Juncheng Zuo**, Ling Du, Lei Li, and et al., The Distribution of Steric Contribution to Sea Level Variation in different Time Scales

1700h **OC1309 Xiaobiao Xu**, Numerical Representation of the Mediterranean Outflow Water in the Gulf of Cádiz

1720h **OC1310 Dejun Dai**, Fangli Qiao, Yeli Yuan, Generation of Internal Tides over Subcritical Topography

1740h **OC1311 Haibo Hu**, Qinyu Liu, Hailong Liu, and et al., Variability of the Subduction rate of the Subtropical North Pacific Mode Waters

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**OC14                      Wednesday                      1400h**

**Marine Biogeochemical Processes**

**Presiding: Fungchi Ko**, NMMBA, TW; **Zongling Wang**, FIO, SOA

1400h **OC1401 Haibing Ding**, David L. Valentine, Development of Microbial Mat Community in Shallow Water Petroleum-gas Seepage off the Coast of Central California

1420h **OC1402 Fenghua Jiang**, Frank S C Lee, Xiaoru Wang, and et al., Study on Fluorescence Property of Dissolved Organic Matter in Jiaozhou Bay, China

1440h **OC1403 Junde Dong**, Yanying Zhang, Si Zhang, and et al., Seasonal and Vertical Variations of Phytoplankton Biomass

and their Response to Upwelling in Sanya Bay, South China Sea

1500h **OC1404 Zhisong Cui**, Qiliang Lai, Zongze Shao, Biodiversity Study of Polycyclic Aromatic Hydrocarbons-Degrading Bacteria from Deep Sea Sediment of Middle Atlantic Ridge

1520h **OC1405 Yinhai Lang**, Zongfeng Liu, Qimin Ma, The Application of Chemical Mass Balance Model for Source Apportionment of Sediment PAHs in Yellow River Estuary, China

1540h **OC1406 Shaofeng Pei**, Zhiliang Shen, Nutrient Dynamics in the Upwelling Area of Changjiang Estuary

**Presiding: Xiaoru Wang**, FIO, SOA

1620h **OC1407 Fung-Chi Ko**, Ya-Hsin Liu, Jing-O Cheng, and et al., Polycyclic Aromatic Hydrocarbon Distributions and Associations with Chemical Characteristics in Kenting Coastal Waters, Taiwan

1640h **OC1408 Junde Dong**, Yanying Zhang, Youshao Wang, and et al., Spatial and Seasonal Variations of Cyanobacteria and their Nitrogen Fixation Rates in Sanya Bay, South China Sea

1700h **OC1409 Sufen Wang**, DanLing Tang, Jing Yu, and et al., Occurrences of Harmful Algal Blooms (HABs) associated with Ocean Environments in the South China Sea

1720h **OC1410 Hui Zhao**, DanLing Tang, Annually Variation of Phytoplankton Distribution in the South China Sea Observed from Satellite Remote Sensing

1740h **OC1411 Baodong Wang**, Uwe Brockmann, Potential Impacts of Three Gorges Dam on the Ecosystem of East China Sea

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**OC15                      Wednesday                      1400h**

**Indian Ocean Variability**

**Presiding: Renguang Wu**, IGES/COLA; **Weidong Yu**, FIO, SOA

1400h **OC1501 Renguang Wu**, Seasonality of Air-sea Interactions in the Southeastern Equatorial Indian Ocean

1420h **OC1502 Weidong Yu**, Zhengyu Sun, Baoqiang Xiang, and et al., Argo detecting the Intraseasonal Mixed Layer Variations in the tropical Indian Ocean

1440h **OC1503 Tim Li**, C.-C. Hong, J.-S. Kug, and et al., Asymmetry of the Indian Ocean Dipole

1500h **OC1504 Baoqiang Xiang**, Weidong Yu, Zhenyu Sun, and et al., Argo detected the Indian Ocean Dipole Event during 2006

1520h **OC1505 Lei Zhou**, Raghu Murtugudde, Dynamics of the Intraseasonal Oscillations in the Indian Ocean South Equatorial Current

1540h **OC1506 Lin Liu**, Weidong Yu, Impacts of the Mean Seasonal Cycle on the IOZDM event in the IPCC AR4 Coupled Simulations

**Presiding: Li Li**, TIO, SOA

1620h **OC1507 Yun Qiu**, Li Li, Weidong Yu, Annual and Interannual Variation of Sea Level Anomaly in the Bay of Bengal and the Andaman Sea

1640h **OC1508 Yuan Yuan**, Wen Zhou, Johnny C. L. Chan, and et al., Decadal Asymmetric Fluctuation of the Indian Ocean Dipole

1700h **OC1509 Qilong Zhang**, Qinhua Qi, Dongmei Zheng, Variation in the Eastern Indian Ocean Warm Pool and its Relation to the Indian Ocean Dipole

1720h **OC1510 Zhongzheng Yan**, Danling Tang, Variation of Suspended Sediments Concentration in the North-East Indian Ocean after the 2004 Indian Ocean Tsunami

1740h **OC1511 Yun Qiu**, Li Li, Kelvin Waves Activity in the Equatorial Indian Ocean and the Bay of Bengal

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**OC16                      Wednesday                      1400h**

**Decadal Ocean Variability**

**Presiding: C. K. Tai**, NOAA NESDIS; **Tangdong Qu**, UHM

1400h **OC1601 C.K. Tai**, Decadal Sea Level Changes all over the World as revealed by TOPEX Altimetry

1420h **OC1602 Lixin Wu**, Chun Li, Chunxue Yang, Global Teleconnections in Response to a Shutdown of the Atlantic Meridional Overturning Circulation

1440h **OC1603 Yongqi Gao**, Helge Drange, Mats Bentsen, and et al., Response of the North Atlantic Circulation to realistic and anomalous Wind Stress Forcing

1500h **OC1604 Tangdong Qu**, Lower Thermocline Circulation in the South Pacific

1520h **OC1605 Jilin Sun**, Honglei Xu, Xiaojie Zhu, Decadal Variations of SST anomaly in Middle Latitude Pacific during positive SST anomaly in the Eastern Equatorial Pacific

1540h **OC1606 Chunxue Yang**, Effects of the Wind-driven Circulation on the Thermohaline Circulation

**Presiding: Lixin Wu**, OUC

1620h **OC1607 Hao Ma**, Lixin Wu, Chun Li, The Impact of Wind-driven Circulation on the Southern Hemispheric climate

1640h **OC1608 Chun Li**, Lixin Wu, Dynamic Linkage between the North Pacific and the Tropical Pacific Air-sea coupling

1700h **OC1609 Liwei Qu**, Chun Li, Lixin Wu, Atmospheric Response to Reemerging North Atlantic Ocean Variability in Gulf Stream

1720h **OC1610 Jun Cheng**, Pinwen Guo, Zhongxiao Chen, and et al., The Mechanism of Strong Oscillation of Heat Storage in Mid-Latitude Pacific Ocean during the end of 1960s to the beginning of 1990s

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**OC17                      Wednesday                      1400h**

**Marine Ecosystem**

**Presiding: Huasheng Hong**, Xiamen U.; **Song Sun**, IO, CAS

1400h **OC1701 INVITED Dewen Ding**, Honghua Shi, Wei Zheng, and et al., Coastal Ecosystem Complexity and Sustainable Development

1425h **OC1702 Fei Chai**, Guimei Liu, Huijie Xue, and et al., Primary Productivity and  $p\text{CO}_2$  Variations in the China Seas during 1990-2004: a Three-Dimensional Physical-Biogeochemical Modeling Study

1445h **OC1703 Danling Tang**, Guangming Zheng, Hui Zhao, and et al., Responses of Marine Phytoplankton Ecosystem to Typhoon and other Environmental Changes in the South China Sea

1505h **OC1704 Zhenwen Wan**, Bangqin Huang, Jinxiang Yang, and et al., A Quasi-Steady State Approach and Its Tentative Application to Energy Flow Estimation in the Plankton Ecosystem of the East China Sea

1525h **OC1705 Guimei Liu**, Fei Chai, Huijie Xue, and et al., Seasonal and Interannual Variability of Carbon Cycle and Productivity in South China Sea: a Three-Dimensional Physical-Biogeochemical Modeling Study

1545h **OC1706 Honghua Shi**, Wei Zheng, Dewen Ding, and et al., Uncertainty Analysis on Ecosystem Services Value in different Regional Marine Ecosystem

**Presiding: Fei Chai**, Maine U.; **Danling Tang**, SCSIO

1620h **OC1707 Yanbin Li**, An Ecosystem Model of Phytoplankton Competition Dynamics in East China Sea based on Field Experiments

1640h **OC1708 Yue Wang**, Dexing Wu, Xiaopei Lin, and et al., Simulation of the Influence of Wave to Temperature Structure and Ecosystem in summer in the Bohai Sea

1700h **OC1709 Xia Sun**, Aijun Wang, Xiulin Wang, The Light-Dependent Growth and Succession of Phytoplankton in High Frequency HAB Occurrence Areas in the East China Sea in spring 2003 and 2004

1720h **OC1710 Chengzhong Chen**, Zhenshan Lin, Multiple Scenarios Simulation of Global Per Capita Ecological Footprint Based on Empirical Mode Decomposition Method

1740h **OC1711 Jing Yu**, Danling Tang, Response of Phytoplankton Blooms to Environmental Changes in Daya Bay, China

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**OC21                      Wednesday                      0830h**

**Tropical Ocean and Atmosphere**

**Presiding: Dake Chen**, SIO, SOA; **Yong-Sang Choi**, Korea

0830h **OC2101 Da-Lin Zhang**, Chanh Kieu., Tropical Cyclogenesis from the ITCZ

0850h **OC2102 Weidong Yu**, Baoqiang Xiang, Why the Atmosphere has a Symmetric Response Pattern to the Asymmetric SSTA Forcing during IOD Event?

0910h **OC2103 Wilbur Y. Chen**, Significant Change of Extratropical Natural Variability Associated with Tropical ENSO Anomaly

0930h **OC2104 Jilin Sun**, Dongni Wei, Yongping Li, Analysis on anomalous strength and location of ITCZ affecting typhoon over Northern Pacific and the Effects of Cold Surge over Australia

0950h **OC2105 Choi, Yong-Sang**, Chang-Hoi Ho, Radiative Effect of Cirrus with Different Optical Properties over the Tropics

1010h **OC2106 Maoqiu Jian**, Si Gao, Yunting Qiao, Interannual Variations of the Intraseasonal Oscillations of Atmospheric Heat Source over Asian Monsoon Region in Spring and Summer and their Linkage to the East Asia Summer monsoon Rainfall

**Presiding: Chunzai Wang**, NOAA/AOML

1050h **OC2107 Donglian Sun**, Menas Kafatos, Zafer Boybeyi, and et al., Evaluating the Impacts of Global Warming and Natural Cycle on the Atlantic Hurricane Activity

1110h **OC2108 Shu Wu**, Lixin Wu, Qinyu Liu, Is Tropical Pacific Meridional SST Dipole a Dynamic Mode?

1130h **OC2109 Ming-Jen Yang**, Chung-Hsiung Sui, Lin Ching, Observation and Simulation of Summertime High-Frequency Activities in Relation to the Intra-Seasonal Oscillation in the Northwestern Pacific Ocean

1150h **OC2110 Jie Xiang**, Xijun Zhang, Sixun Huang, An Application of the Adjoint Method and Time Series Method to Prediction of TC Abnormal Tracks

1210h **OC2111 Liqing Tian**, Da-Lin Zhang, Angsheng Wang, A Cloud-resolving Numerical Simulation of the Formation of Typhoon Nari(2001)

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**OC22                      Wednesday                      0830h**

**Air-Sea-Land Interactions**

**Presiding: Aiguo Dai**, NCAR; **Guirong Tan**, NUIST

0830h **OC2201 Guirong Tan**, Zhaobo Sun, Weitao Deng, Principal Modes of Sea Surface Temperature Anomalies of Northern Pacific and their Relationship to the Land High South to Baikal

0850h **OC2202 Lijuan Wang**, Zhaoyong Guan, Jinhai He, Comparison of the Double Summer Monsoon Troughs over East Asia

0910h **OC2203 Lingli Wang**, John J. Qu, Xianjun Hao, Soil Moisture Estimation with Multiple MODIS SRB Measurements

0930h **OC2204 Yan Yan**, **Xinyi Zhao**, Liping Zhou, A Study on Summer Aridity Anomaly in Northwest China and North Atlantic SSTA Features and their Correlations

0950h **OC2205 Li Yan**, Panxing Wang, Zhaoyong Guan, and et al., The Teleconnection of Sea Surface Temperature and Its Relation with China Winter Temperature

1010h **OC2206 Yong Zhang**, Huixiang Xie, Guohua Chen, Biogeochemical Cycling of Carbon Monoxide(CO) in the St. Lawrence Estuarine System

**Presiding: Chunhua Li**, NMEFC, SOA

1050h **OC2207 Liguang Wu** Sahel Rainfall, African Dust Outbreaks and Hurricane Peak Intensity

1110h **OC2208 Chunhua Li**, Yongxue Wang, Zhijun Li, and et al, Numerical Simulation of Sea Ice Pile-up in front of Semicircle Structure

1130h **OC2209 Yan Ma**, Shang Chen, Evaluation of a Regional Climate Model for Atmospheric Simulation Over Arctic River Basins

1150h **OC2210 Meibing Jin**, Jia Wang, Kohei Mizobata, and et al., Ice-Ocean-Oil spill Modeling System in Beaufort Sea and Oil Spill Modeling in Sea Ice Environments

1210h **OC2211 Yu Liu**, Qinzhen Liu, Shan Bai, and et al., Response of Sea Ice in the Bohai Sea and the Yellow Sea to Atmospheric Circulation and Climate Change

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**OC23                      Wednesday                      0830h**

**Session 1: Ocean Dynamics**

**Presiding: Qinyu Liu**, OUC; **Zhenwen Wan**, Xiamen U.

0830h **OC2301 Qinyu Liu**, Haibo Hu, A Subsurface Pathway for Low Potential Vorticity Transport from the Central North Pacific toward Taiwan

0850h **OC2302 Shouxian Zhu**, Pingxing Ding, Wenjing Zhang, 河口物质和水体长期输运分离的理论分析和观测验证

0910h **OC2303 Yuan Zhang**, Dexing Wu, Xiaopei Lin, The Barrier Layer in the East China Sea in summer

0930h **OC2304 Hongxia Chen**, Zhiyan Wu, Jinzhong Min, Temperature Variations of Kuroshio in East China Sea

0950h **OC2305 Zhenwen Wan**, Yuwu Jiang, Jianyu Hu, and et al., The Kuroshio Volume Transport Index

1010h **OC2306 Peinan Zheng**, Dexing Wu, Xiaopei Lin, The Current's Interaction between Taiwan Strait and Tsushima Strait

**Session 2: Coastal Ocean Dynamics**

**Presiding: Daji Huang**, SIO, SOA; **Shuzhan Ren**, Canada

1050h **OC2307 Ming Li**, Assessing the Impacts of Climate Variability and Extreme Weather Events on Coastal Systems-Perspectives from Chesapeake Bay, U.S.A.

1110h **OC2308 Xiaopei Lin**, Jiayan Yang, An Oceanic Warm Current against the Wind: the Formation Mechanism of Taiwan-Tsushima Warm Current

1130h **OC2309 Aijun Pan**, Chun Sheng Jing, Xiaogang Guo, Ocean Response to the 2006 Typhoon Kaemi at the Western Taiwan Strait

1150h **OC2310 S.-Q. Peng**, L. Xie, Len J. Pietrafesa, The Effect of Correcting Errors in Initial Conditions and Upper Boundary Conditions on Storm Surge Forecasts Using 4D-Var approach

1210h **OC2311 Shuzhan Ren**, Stability of Shallow Water Semi-geostrophic Models

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**OC24                      Wednesday                      0830h**

**South China Sea**

**Presiding: Dongxiao Wang**, SCSIO, CAS; **Zexun Wei**, FIO, SOA

0830h **OC2401 Y. Tony Song**, Estimation of Interbasin Transport Using Ocean Bottom Pressure: Theory and Model for Asian Marginal Seas

0850h **OC2402 Zexun Wei**, Yonggang Wang, Guohong Fang, and et al., Interannual Variability of the Water Transports through

the Straits between the South China Sea and Outer Oceans

0910h **OC2403 Xiaodong Shang**, Xiaohui Xie, Guiying Chen, and et al., Observing Near-inertial Motions modulated by Solitons in South China Sea

0930h **OC2404 Jianjun Xu**, Qilin Wan, Dongxiao Wang, and et al., A Numerical Modeling Study of the Meso- $\beta$  Scale Characteristics of the June 2005 Flash Flood over the Southeast of China

0950h **OC2405 Aijun Pan**, Xiaogang Guo, Yong Ge, Internal Tide in the Upwelling Region South of the Taiwan Bank

1010h **OC2406 Ling Du**, Juncheng Zuo, Mei Yan, and et al., Steric Contribution to the Sea Level Change on Intra- and Inter-annual Timescales in the South China Sea

**Presiding: Tony Y. Song, JPL**

1050h **OC2407 Quanan Zheng**, Y. Tony Song, Sub-mesoscale Dynamics in South China Sea: Applications of Satellite SAR Data

1110h **OC2408 Dongfeng Xu**, Mingquan Xu, Daji Huang, The Northward Shift of the Summer Jet than the Wind-stress Curl ( $Curl\bar{\tau} = 0$ ) Line in Southwestern South China Sea: A Sverdrup Balance Explanation

1130h **OC2409 Lu Sun**, Analyses and Simulations of near inertial Ocean Current Response to 1998 Typhoon Faith

1150h **OC2410 Aijun Pan**, Xiaogang Guo, Jindian Xu, and et al., Diurnal Evolution of the Barrier Layer during the Summer Monsoon Period in the Taiwan Strait

1210 **OC2411 Gang Wang**, Fangli Qiao, Yijun Hou, and et al., Dynamics of the Typhoon-induced Internal Waves Over the northwestern South China Sea Shelf

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**OC25                      Wednesday                      0830h**

**Ocean-Atmosphere Coupling Models**

**Presiding: Fangli Qiao, FIO, SOA**

0830h **OC2501 Yuping Guan**, Ruixin Huang, Differences of Poleward Heat Transport in the Northern Atlantic Ocean under Buoyancy and Energy Constraint: A Box Model Study

0850h **OC2502 Weiyu Yang**, Dingchen Hou, Zoltan Toth, and et al., Development of an NCEP Concurrency ESMF Version of the Operational Global Ensemble Forecast System (GEFS) and its Application in Representing Model Related Uncertainty

0910h **OC2503 Yimin Zhu**, Yongqiang Yu, Xiuqun Yang, and et al., North Pacific Decadal-to-Interdecadal Variabilities as Simulated by FGOALS\_g Coupled Climate Model

0930h **OC2504 Li Zhang**, Ping Chang, Link Ji, Linking the Pacific Meridional Mode to ENSO: An Observational and Coupled Model Analysis

0950h **OC2505 Zhenya Song**, Fangli Qiao, Yongzeng Yang, The Establishment of the Atmosphere-Wave-Ocean Circulation Coupled Numerical Model and its Applications

1010h **OC2506 Bin Zhao**, James McWilliams, David Neelin, and et al., Upper Ocean Coupling in a Global Climate Model to Increased CO<sub>2</sub>

**Presiding: Li Zhang, NSF**

1050h **OC2507 Fangli Qiao**, Changshui Xia, Zhenya Song and et al., The Role of the Surface Wave in Ocean Circulation and Climate Change

1110h **OC2508 Yaocun Zhang**, Suxiang Yao, 区域海气耦合模式对中国夏季降水的模拟

1130h **OC2509 Wenjing Zhang**, Shouxian Zhu, Pingxing Ding, 三维波生流的参数化模型和数值模拟

1150h **OC2510 Weidong Zhou**, Yang Yang, Danpeng Dong, A Calculation from a High Resolution Diagnostic Model of World Ocean



1210h **OC2511 Hao Guan**, Lin Zhou, Hanjie Wang, and et al., A Coupled Mesoscale Atmosphere-Wave Model and Numerical Simulations of Strong Typhoon Process in South China Sea

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**OC26                      Wednesday                      0830h**

**Non-stationary analysis of Climate Variability**

**Presiding: Bin Wang**, IAP, CAS; **Fei-Fei Jin**, UHM

0830h **OC2601 Zhaohua Wu**, Amplitude-Frequency Modulated Annual Cycle: An Alternative Reference Frame for Climate Anomaly

0850h **OC2602 Tianjun Zhou**, Rucong Yu, Hongmei Li and et al., Ocean Forcing to Changes in global Monsoon Precipitation over the recent half century

0910h **OC2603 INVITED Fei-Fei Jin**, Ensemble Mean Dynamics and Noised-induced Destabilization

0935h **OC2604 Dehai Luo**, Tingting Gong, Yina Diao, Storm Tracks and Annular Modes

0955h **OC2605 Yu-Mei Chang**, Zhaohua Wu, Norden E. Huang, and et al., Ensemble Empirical Mode Decomposition with Application to the Pollutant Data

1015h **OC2606 Qilong Miao**, Yong Wang, EMD Analysis of Solar Irradiance Variation and it Impacts on Temperature

**Presiding: Zhaohua Wu**, COLA

1050h **OC2607 Xianyao Chen**, Qin Wang, Fangli Qiao, Long-term Temperature and Salinity Variations of two Choke Points in the Antarctic Circumpolar Current

1110h **OC2608 Junhong Wang**, Liangying Zhang, Aiguo Dai, Diurnal variation of Atmospheric Precipitable Water over the Globe from ground-based GPS Measurements

1130h **OC2609 Shilong Mei**, Zhaoyong Guan, Propagation Characters of Baroclinic Waves Packets at Upper Troposphere during Meiyu Period over Yangtze and Huaihe River Valley

1150h **OC2610 Cheng Qian**, Zhaohua Wu, Congbin Fu, Interannual Variability of Temperature in China with respect to Modulated Annual Cycle

1210h **OC2611 Jie Song**, Wen Zhou, Chongyin Li, Does Observational Poleward Propagation of Zonal Mean Zonal Wind Anomalies Prefer Double Jets?

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**OC27                      Wednesday                      0830h**

**Ocean Remote Sensing I, II**

**Presiding: Xiaofeng Li**, NOAA/NESDIS/STAR; **Zhiqiang Hu**, Dongfanghong

0830h **OC2701 Yuanzhi Zhang**, Guiwu Wang, Hui Lin, and et al., Monitoring of harmful Algal Blooms (HABs) from Satellite-based Observations over Coastal waters around Hong Kong and its Vicinity

0850h **OC2702 Lili Wang**, Zhaoguang Bai, Chuntao Wang, HY-1 Satellite Technical Scheme

0910h **OC2703 Benjamin F. Chao**, Separating the Steric and Mass Variations in Sea Level using Altimeter and Time-variable Gravity Data

0930h **OC2704 Junmin Meng**, Jie Zhang, Hui Lin, Estimating Internal Solitary Waves Propagation Velocity in South China Sea by using Multi-sensor Images

0950h **OC2705 Hui Lin, Pang Yickcheung, Matthew**, All-weather Monitoring for Cloud-prone and Rainy Area: The Satellite Remote Sensing Ground Receiving Station of the Chinese University of Hong Kong (CUHK)

1010h **OC2706 Minzheng Duan**, Error Analysis in Estimation of Water Leaving Radiance by Neglecting the Polarization of Ocean Surface and Atmosphere

**Presiding: Ben F. Chao**, NCU, TW

1050h **OC2707 Menghua Wang**, Remote Sensing of Ocean Properties in the Coastal Regions

1110h **OC2708 Zhiqiang Hu**, 海洋一号 B 卫星入轨性能分析

1130h **OC2709 Xiaofeng Li**, Analysis of Ocean Current Features in Spaceborne SAR Images

1150h **OC2710 Chaoyang Fang**, Hui Lin, Yuanzhi Zhang, and et al., The Development Research of a GIS for Satellite Ocean & Atmosphere Remote Sensing

1210h **OC2711 Lin Zhang**, Che Sun, Using Hydrographic Data and Altimeter Observations to Reconstruct Surface Current in the Southern Ocean

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**OC31                      Wednesday                      1400h**

**Tropical Ocean and Atmosphere**

**Presiding: Peter M.K. Yau**, Canada

1400h **OC3101 Peter M.K. Yau**, A mechanism for the formation of concentric eyewall in hurricanes

1420h **OC3102 Gang Zeng**, Zhaobo Sun, Wei-Chyung Wang, and et al., Interdecadal Variation of East Asian Summer Monsoon Simulated by NCAR Cam3 driven by Global and Tropical SSTs

1440h **OC3103 Chunzai Wang**, Sang-ki Lee, David Enfield, and et al., Impact of the Atlantic Warm Pool on Western Hemisphere Climate and Hurricanes

1500h **OC3104 Weibiao Li**, Ting Lei, Dongxiao Wang, High-Frequency Atmospheric Variability over South China Sea as Depicted by TRMM and QuikSCAT

1520h **OC3105 Qi Hu**, Zhaoning Liang, Michael W. Hoffman, Source Regions of Intraseasonal Oscillations in the Tropical Atmosphere

1540h **OC3106 Sixun Huang**, Qifa Cai, Jie Xiang, Numerical Simulation, Wind Field Decomposition and new Diagnostic Method of Inner Construction of TC

**Presiding: Joo-Hong Kim**, Korea

1620h **OC3107 Xuebin Zhang**, Effects of Local Dynamical and Thermodynamical Forcings on Interannual Sea surface Temperature Variations in the Eastern Equatorial Pacific

1640h **OC3108 Yuqing Wang**, Rapid Filamentation Zone in a Numerically Simulated Tropical Cyclone

1700h **OC3109 Joo-Hong Kim**, Chang-Hoi Ho, Recent Decadal Change in the western North Pacific Summer Monsoon-ENSO Relationship and its Impact on Tropical Cyclone Activity

1720h **OC3110 Rui Chang**, Qing-Yun Zhang, Variations of Ocean Currents and Possible Mechanism of the Propagation of Sea Temperature Signal during ENSO Event

1740h **OC3111 Liang Wu**, Zhiping Wen, Zhuojian Yuan, Impacts of Air-Sea Flux on the Interannual Variation of Western North Pacific Tropical Cyclone Track and Intensity

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**OC32                      Wednesday                      1400h**

**Aerosol, Trace Gases and Climate**

**Presiding: Shi-Keng Yang**, NOAA

1400h **OC3201 Shi-Keng Yang**, Craig Long, Airong Cai, and et al., Cohesive NOAA SBUV/(2) Total Ozone Dataset and Application to Trend Analysis

1420h **OC3202 Xianjun Hao**, John Qu, Saharan Dust Storm Detection using Multiple Sensors

1440h **OC3203 Lihang Zhou**, Xingpin Liu, Zhaohui Cheng, and et al., Near Real Time SO<sub>2</sub>/Volcano Monitoring using High

Spectral Resolution Satellite Data

1500h **OC3204 Zhongxiao Chen**, Jun Cheng, Huijun Ren, and et al., Application of Upwelling-Diffusion Model to the Oceanic Carbon Distribution in Steady State

1520h **OC3205 Yihua Wu**, A New Model of Bi-directional Ammonia Exchange between the Atmosphere and Biosphere

1540h **OC3206 Long S. Chiu**, Aerosol-Cloud-Precipitation Interactions in the Pearl River Delta

1620h **OC3207 Yali Luo**, Kuan-Man Xu, Hugh Morrison, Effects of Aerosols on Tropical Convective Cloud Systems Simulated by a Cloud-Resolving Model

1640h **OC3208 Zhihong Jiang**, Weilin Chen, Ji Wang, Projection of Extreme Climate Events in China in the 21<sup>st</sup> Century based on AR4/IPCC models

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**OC33                      Wednesday                      1400h**

**Coastal Ocean Dynamics**

**Presiding: Daji Huang**, SIO, SOA; **Jiayi Pan**, PSU

1400h **OC3301 Jiayi Pan**, David A. Jay, Observations and Dynamic Analyses of Internal Solitons Generated at the Columbia River Plume Front

1420h **OC3302 Shuqun Cai**, Wenjing Zhang, Renhao Wu, and et al., A Computational Model Study of the Wave Propagation with Varying Current in the Daya Bay

1440h **OC3303 Lingling Xu**, Xiaopei Lin, Chao Ma, Mechanism of the Yellow Sea Warm Current and Its Seasonal Variation

1500h **OC3304 Wanqing Chi**, Yanling Liu, Zejian Hu, and et al., Modeling of Water Exchange in Laizhou Bay

1520h **OC3305 Jing Lin**, Lian Xie, Leonard J. Pietrafesa, and et al., Water Quality Modeling in the Cape Fear River Estuary and Adjacent Coastal Region, North Carolina

1540h **OC3306 Liwen Yan**, Haijun Huang, Influence of Widespread Suspended-Cultivated Kelp(*Laminaria Japonica*) on the Sedimentary Environment in Eastern Nearshore Sea of Shandong Peninsula, China: <sup>210</sup>Pb Evidence

**Presiding: Ming Li**, UMD

1620h **OC3307 Zhiliang Liu**, Dunxin Hu, Is the Yellow Sea Coastal Current along Jiangsu Province Southward in summer?

1640h **OC3308 Daji Huang**, Tao Zhang, Feng Zhou, Sea Surface Temperature Fronts in the Yellow and East China Seas from TMI Data

1700h **OC3309 Benxia Li**, Xiping Xu, Wave Decomposition Phenomenon over Submerged Bars

1720h **OC3310 Huaming Yu**, Xianwen Bao, Aijun Zhang, and et al., A Numerical Study on the Circulation and Tide in ShaCheng Harbor (SCH)

1740h **OC3311 Qun Li**, Zhaoting Xu, Dynamics of Internal Solitary Wave over Slope-shelf Topography and Modal Analysis

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**OC34                      Wednesday                      1400h**

**Session 1: South China Sea**

**Presiding: Guohong Fang**, FIO, SOA

1400h **OC3401 Guohong Fang**, Fangli Qiao, Zexun Wei, and et al., Circulation Interaction between the South China Sea and the Indonesian Seas: An Overview

1420h **OC3402 Junyue Yan**, Guorong Jiang, Hui Wan, and et al., Advances in the Study of Air-Sea Flux Exchange over the South China Sea

1440h **OC3403 Chau-Ron Wu**, Modeling Circulation and Mesoscale Eddies in the South China Sea

1500h **OC3404 Dingtian Yang**, Delu Pan, Detection of Seagrass with Satellite data in Coastal Water of HePu, Guangxi, China  
1520h **OC3405 Tingting Zhang**, Peiliang Li, Observed Tidal Currents in the Central South China Sea  
1540h **OC3406 Lili Zeng**, Dongxiao Wang, Ping Shi, Investigation of Barrier Layer in South China Sea in summer 2000

### **Session 2: Data Assimilation for Oceans and Atmosphere**

**Presiding: Tsann-wang Yu**, Howard University; **Hann-Ming Henry Juang**, NOAA; **Jiang Zhu**, IAP, CAS

1620h **OC3407 Jiang Zhu**, Liying Wan, Reducing the Ocean Simulation Uncertainties by Ensemble Kalman Filter Data Assimilation Approach: Impacts of the Uncertainties from the Initial Condition and Atmospheric Forcing

1640h **OC3408 Tsann-wang Yu**, Coupling of Physical Processes and Dynamics in 4-D VAR Data Assimilation

1700h **OC3409 Yongzeng Yang**, Ocean Wave Data Assimilation by Using the Topex/Poseidon Observation and Wave Parameter Analysis

1720h **OC3410 Liying Wan**, Jiang Zhu, Changxiang Yan, and et al., Dressing Ensemble Kalman Filter using Hybrid Coordinate Ocean Model in Pacific

1740h **OC3411 Weiyu Ding**, Qilin Wan, The Simulation of CHANCHU Typhoon Infrared Channels Brightness Temperatures

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**OC35                      Wednesday                      1400h**

### **Session1: Ocean-Atmosphere Coupling Models**

**Presiding: Li Zhang**, NSF

1400h **OC3501 Hongbo Liu**, Da-Lin Zhang, Bin Wang, Precipitation and Moisture Budget Analysis of 1998 YRB Flood through Regional Climate Simulation

1420h **OC3502 Lin Feng**, Dexing Wu, Xiaopei Lin, and et al., Analyzing Pacific Decadal-interdecadal Variability with a Fully Coupled Model

20m for transfer

### **Session 2: Coastal Zone Development and Management**

**Presiding: Joseph Huang**, NOAA; **Shuxian Sun**, SOA

1500h **OC3503 Katherine Andrews**, Governance and Management of the United States Coastal Zone

1520h **OC3504 Hui Lin, Liming Jiang**, Yuanzhi Zhang, and et al., Ground Deformation Monitoring in Hong Kong Coastal Areas with Advanced Radar Remote Sensing Technology

1540h **OC3505 Haifeng Wang**, The Review of Maritime Transportation Air Emission Pollution and Policy Analysis

1600h **OC3506 Zaihua Ji**, Steven Worley, Scott Woodruff, Data to Support Ocean-Atmosphere Research

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**OC36                      Wednesday                      1400h**

### **Air-Sea Flux**

**Presiding: Menglin Jin**, UMD; **Shang-Ping Xie**, UHM

1400h **OC3601 Shie, Chung-Lin**, Long S. Chiu, Robert Adler, and et al., Reviving the Production of Goddard Satellite-based Surface Turbulent Fluxes (GSSTF) Dataset

1420h **OC3602 Zhongyong Gao**, Liqi Chen, Air-sea Carbon Fluxes and their Controlling Factors in the Prydz Bay, Antarctic

1440h **OC3603 Kuan-Man Xu**, Anning Cheng, Takmeng Wong, and et al., Satellite Observations and Cloud-resolving Modeling of Boundary-layer Cloud Systems

1500h **OC3604 Jinliang Wang**, Invalidity of the Eddy Covariance Method for Flux Measurement on Moving Platforms

1520h **OC3605 Shang-Ping Xie**, Takeaki Sampe, Mapping High Sea Winds from Space: A global Climatology  
1540h **OC3606 Jing Zheng**, Jianfang Fei, Xiaogang Huang, Effect of Sea Spray on Numerical Simulation of Super Typhoon “Ewinari” using a Coupled Air-sea Spray Model

**Presiding: Chung-Lin Shie**, NASA GSFC

1620h **OC3607 Menglin Jin**, Robert F. Adler, Marshall Shepherd, Using MODIS and TRMM Observations to Assess Aerosol-clouds-rainfall Relation over China sea

1640h **OC3608 Bin Liu**, Changlong Guan, The Wave Development and Sea Spray related Parametrization of Aerodynamic Roughness Applicable to from low to extreme Wind Speeds

1700h **OC3609 Zhaohui Cheng**, Haibing Sun, Lihang Zhou, and et al., The Comparison between IASI and AIRS Observations

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**OC37                      Wednesday                      1400h**

**Session 1: Ocean Remote Sensing**

**Presiding: Yuanzhi Zhang**, Chinese U. of Hong Kong

1400h **OC3701 Yixiang Nie**, John Tan, Ruixin Yang, Sea Surface Temperature Analysis with Kernel-Based Principal Component Analysis Technique

1420h **OC3702 Yongcun Cheng**, Yuguang Liu, Qing Xu, and et al., Interannual variability of SST, SLA and Wave Climate at the Hawaii area and their Response to ENSO

1440h **OC3703 Chao Ma**, Dexing Wu, Xiaopei Lin, Variability in the Kuroshio Current and Adjacent Regions Derived From Argos Drifter and Satellite Altimeter Data

20m for transfer

**Session 2: Global Environment Protection**

**Presiding: Peiyong Li**, NMEPC, SOA; **Baodong Wang**, FIO, SOA

1520h **OC3704 Hongfei Gong**, C.J.M.Koenraadt, A.T. DeGaetano, and et al., Climate based Model for West Nile Culex Vectors in the Northeastern USA

1540h **OC3705 Yongqi Gao**, Helge Drange, O.M. Johannessen, and et al., Sources and Pathways of <sup>90</sup>Sr in the North Atlantic-Arctic Region: Present day and Global Warming

1600h **OC3706 Guiwu Wang**, Yuanzhi Zhang, Hui Lin, Algorithm for Oil Slick Detection in the South China Sea by SAR Imagery

1640h **OC3707 Yanling Liu**, Wanqing Chi, Environmental Benefits of Generating Electricity from Marine Current Energy

1700h **OC3708 Meixia Zhao**, Kefu Yu, Qiaomin Zhang, and et al., Which caused Severe Degradation of Luhuitou Coral Reef, Climate Change or Human Activities Fault?

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**Poster**

**P01 Jinhua Yu**, Zheming Tan, Effects of the Vertical Wind Shear on Intensity and Rainfall Structure of Strong Storm Biliss(2006)

**P02 Shilong Mei**, Jinzhong Min, Zhaoyong Guan, Relationships between SST in Kuroshio Region and Windfield in the Equatorial Mid-Pacific as well as ENSO

**P03 Yanke Tan**, Huirong Liu, Chongyin Li, and et al., Analyses and Numerical Experiments of the Seasonal Phase Locking for Tropical Indian Ocean Dipole

**P04 Xiangfeng Meng**, Dexing Wu, A Study about Variation of Warm Pool in the Pacific and Indian Ocean and Its Mechanism

**P05 Lei Liu**, Xiaogang Huang, A Numerical Study on the Effect of the Earth's Surface of Typhoon 0517(Saola)

**P06 Zhongxin Chu**, Shikui Zhai, Observed Hydro-environment in the Yangtze River Estuary and Adjacent Coastal Waters just after the Three Gorges Reservoir (TGR) 135-m filling

**P07 Jianying Jia**, Zhaobo Sun, 东亚夏季降水准两年振荡的空间分布及背景分析

**P08 Yongqiang Liu**, Shaw-Chen, Impacts of the Deforestation of Taiwan's Western Plain on Sea Breeze

**P09 Hailun He**, J.B. Song, Numerical Study of Waves Generated by the Seafloor Displacements

**P10 Shuang Li**, Jinbao Song, Qun Sun, Three-Dimensional Numerical Studying the Effects of Langmuir Circulations on Upper Ocean Mixing

**P11 Yongjun Liu**, Theoretical Studies of Oceanic Internal Wave Spectra within a Free Surface

**P12 Xiangfeng Meng**, Ming Feng, Dexing Wu, Interannual Variation of the Upper Ocean Unstable Process in the Southeast Tropical Indian Ocean

**P13 Hui Wang**, Qihua Jin, Shan Gao, The Preliminary Study on the Response of Marine Primary Production to Monsoon Variations in the South China Sea

**P14 Chao Chai**, Zhiming Yu, Zhiliang Shen, and et al., Nutrients in the Yangtze River Estuary before and after Water Storage of the Three Gorges Project

**P15 Na Liu, Qiulin Zhou**, IOD Signal at upper Troposphere over Northern Hemisphere

**P16 Yun Qiu**, Li Li, The Evolution and Dynamics of the Sri Lanka Cold Dome with an Emphasis on the Effect of Sri Lanka Island

**P17 Chunqiang Wu**, Tianjun Zhou, Hailong Liu, and et al., The Inter-annual and Inter-decadal Variability of the North Pacific Simulated by LASG/IAP OGCM

**P18 Xixi Zhao**, Yijun Hou, Guoxing Pang, and et al., Interpretation of Sea Surface Wind Interannual Vectors EOFs over China Seas

**P19 Yan Sun**, Lixin Wu, Coupled Ocean-atmosphere Response to Change of the Freshwater Flux over the Indo-Pacific Warm Pool

**P20 Qixiang Wang**, Xuexi Tang, Shang Chen, and et al., Assessment on Coastal Ecosystem Service using Satellite Images -- Case Study in Lianyungang City

**P21 Zhiguo Bu**, Lin Zheng, Duyi Jiang, Primary Study on the Red Tide Caused by Noctiluca Scientillans off Shore of Tianjin in the Bohai Bay

**P22 Chao Chai**, Zhiming Yu, Xiuxian Song, and et al., A multivariate Assessment of Eutrophication in Yangtze River Estuary and the Adjacent East China Sea, China

**P23 Keqiang Li**, Xiu-lin Wang, Xiaoyong Shi and et al., Modeling Nitrogen and Phosphorus Dynamics in Pelagic Ecosystem in Mesocosm in Jiaozhou Bay

**P24 Rijun Hu**, Jianzheng Wu, Longhai Zhu, and et al., Study on Silt Migration in Mud-dumping Ground and Effect on Seaway Siltation of Huanghua Harbor

**P25 Huijun Ren**, 黄海冷水团的季节变化特征及其形成机制研究

**P26 Jia Yu**, Qun Li, Zhaoting Xu, Numerical Modeling of Nonlinear Internal Wave Generation and Evolution over Continental Shelf

**P27 Longhai Zhu**, Jianzheng Wu, Faqing Qi, and et al., Research on Tidal Deposition in Liaohe River Delta

**P28 Ruigong Ying**, Che Sun, Hydrographic analysis of the Kuroshio Northeast of Taiwan with a Stream Projection Method

**P29 Wenzhou Zhang**, Huasheng Hong, Shaoping Shang, Two-way nesting scheme in a coupled tide-surge prediction model and its application in the Taiwan Strait

- P30 Wei Zhao**, Yijun Hou, Kengtang Le, The Vertical Structure of the Interacting Kuroshio Main Stream and a Cyclonic Eddy
- P31 Qi Yang**, Xiaodong Shang, Guiying Chen and et al., Study of Lifetime of South SCS Mesoscale Eddies in El Nino and La Nina Years
- P32 Xiang Li**, Hui Wang, Huiding Wu, Character of Lower Atmosphere in South China Sea and Numerical Approach
- P33 Changsheng Chen**, Liren Ji, Jiabin Chen, and et al., An Application of JFNK Method to Solving the 1D Nonlinear Advection Equation in Fully Implicit Scheme
- P34 Zhaoli Zhou**, Yanling Zhao, Validity Test of Simulating Wind Wave field Influenced by Cold Air Process in South China Sea with WAVEWATCH III
- P35 Weilin Chen**, Zhihong Jiang, Ji Wang, and et al., Comparison of Annual Precipitation Extremes Indices Between Observed Data and IPCC AR4 AOGGCMs Simulation over China
- P36 Ji Wang**, Zhihong Jiang, Yuguo Ding, Detection and Evaluation of Effect of Region Extreme Temperature Index Based on IPCC-AR4 GCM Data
- P37 P.W. Chan**, Mountain Wakes in the Vicinity of Hong Kong International Airport (HKIA) as Revealed in Synthetic Aperture Radar (SAR) images
- P38 Dayong Zhu**, Hao Shao, Yan Li, and et al., Quality Testify and Preliminary Analyses of the Winter Subtidal Fluctuation of Currents Measured by OSMAR HF Radar in Taiwan Strait
- P39 Yonggang Ji**, Jie Zhang, Junmin Meng, and et al., A New CFAR Ship Target Detection Method in SAR Imagery
- P40 Ting Hu**, Zhaobo Sun, On Spatial/Temporal Variations of Aerosol Optical Depth and Relationship with Extreme Temperature in China during 1980-2001
- P41 Tie Wang**, The Study of Choosing Background Data in the 4D-Var using Nonlinear Optimization Method
- P42 Yibai Wang**, Jianfang Fei, Gensheng Zhang, Three Different Typhoon Initialization Schemes and Comparing Experiments
- P43 Guilin Lin**, Yuhu Zuo, A Study on PRED Regulation of Bay in the Process of Urbanization
- P44 Guilin Lin**, Yuhu Zuo, Cumulative Ecological Effects Assessment on Resource Exploitation and Utilization in Bay
- P45 Runqiu Zhang**, Application of SD Model in Coastal Zone Sustainable Development Planning
- P46 Jian Shi**, Dongliang Zhao, New Wave-dependent Sea Spray Flux Formulae
- P47 Yuping Pan**, The Application of the New Sea Surface Aerodynamic Roughness Schemes in Wind Wave Coupled Models
- P48 Yuhui Zhao**, Guipeng Yang, Adsorption Behavior of Methomyl on Marine Sediments Treated by a Sequential Procedure
- P49 Bo Qu**, Jianli Yu, Obligation Erga Omnes and Protection of the Marine Environment