

**Joint 2010 CWB Weather Analysis and Forecasting
And COAA 5th International Ocean-Atmosphere
Conference**

June 28-30, 2010 Central Weather Bureau, Taipei

General Agenda

Sunday, June 27, 2010		
Welcome Reception, 17:00-21:00, NTU Leader Hotel		
Monday, June 28, 2010		Place
8:30 – 17:00	Registration	International Conference (I.C.) Hall
9:00 – 9:20	Opening Ceremony	I.C. Hall
9:20 – 10:10	Keynote Speech 1	I.C. Hall
Tea Break & Take a Grouping Photograph		
10:30 – 10:55	Keynote Speech 2	I.C. Hall
10:55– 12:15	Panel Discussion Topics : Typhoon Morakot, Climate Variations and Global Warming	I.C. Hall
Lunch Break		
13:35–15:10	Observing and Modeling the Integrated Earth System (I)	I.C. Hall
	Weather forecasting and numerical simulation (I)	Room 310
	Atmospheric observation and analysis (I)	Room 311
	Climate monitoring and prediction (I)	Room 617
Tea Break		
15 :30–17:20	Observing and Modeling the Integrated Earth System (II)	I.C. Hall
	Weather forecasting and numerical simulation (II)	Room 310
	Atmospheric observation and analysis (II)	Room 311
	Climate monitoring and prediction (II)	Room 617

Tuesday, June 29, 2010		Meeting Room
8:35–10:20	Ocean and Atmosphere Systems and Dynamics	I.C. Hall
	Weather forecasting and numerical simulation (III)	Room 407
	Atmospheric observation and analysis (III)	Room 311
	Climate monitoring and prediction (III)	Room 617
Tea Break		
10:40–12:15	Marine meteorology and operational forecast (I)	I.C. Hall
	Weather forecasting and numerical simulation (IV)	Room 407
	Atmospheric observation and analysis (IV)	Room 311
	Climate monitoring and prediction (IV)	Room 617
Lunch Break		
13:35–15:10	Climate Trends, Extremes and Variability	I.C. Hall
	Weather forecasting and numerical simulation (V)	Room 310
	Atmospheric observation and analysis (V)	Room 311
	Meteorological disaster mitigation and application	Room 617
Tea Break & Posters		
15 :40–17:10	Marine meteorology and operational forecast (II)	I.C. Hall
	Weather forecasting and numerical simulation (VI)	Room 310
	Atmospheric observation and analysis (VI)	Room 311

Wednesday, June 30, 2010		Meeting Room
8:35–10:20	Marine meteorology and operational forecast (III)	I.C. Hall
	Weather forecasting and numerical simulation (VII)	Room 310
	Climate monitoring and prediction (V)	Room 311
Tea Break		
10:40–11:50	Round Table Discussion Topics : Future National and International Collaboration on Oceanic and Atmospheric Science and Technology Research and Development	I.C. Hall
11:50–12:00	Closing Ceremony	
Lunch Break		
13:40–15:00	Education Promotion for school Meteorological Observation Network(I)	Room 310
Tea Break		
15 :20–16:30	Education Promotion for school Meteorological Observation Network(II)	Room 310

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June 28-30, 2010 Central Weather Bureau, Taipei

Time	Agenda	
Monday , June 28 , 2010		
Opening Ceremony Chairman: Tzay-Chyn Shin (I.C. Hall)		
8:30 – 17:00	Registration	
9:00 – 9:20	Opening Ceremony	
Keynote Speech 1 Chairman: 孫兩傳 (I.C. Hall)		
09:20 – 9:45	<i>K. N. Liou, W. L. Lee, IY. Takano, IQ. Li, and IY. Gu</i> Regional Climate Change: The Role of Light-Absorbing Aerosols and Snow-Albedo Feedback	
9:45 – 10:10	<i>Norden E. Huang</i> On Global Climate Change.	
Tea Break & Taking a Grouping photography		
Keynote Speech 2 Chairman: 陳泰然 (I.C. Hall)		
10:30– 10:55	<i>C.-P. Chang, H.-C. Kuo and Y.-T. Yang</i> Can We Blame Typhoon Morakot on Global Warming?	
Panel Discussion Chairman: 陳泰然 (I.C. Hall)		
10:55 – 12:15	Topics : Typhoon Morakot, Climate Variations and Global Warming	
12:15 – 13:40	Lunch Break	
Observing and Modeling the Integrated Earth System (I) Chairman: Joe Wang 、Chuen Teyr Terng, (I.C. Hall)		
13:40 – 13:55	<i>H.-H. Shih</i> Ocean and Coastal Observations: Challenges and Opportunities.	
13:55 – 14:10	<i>P. Chu, C. Sun and C. Fan</i> Observations of the Meridional Overturning Circulation Above and Below the Ocean Surface.	
14:10 – 14:25	<i>P. Hwang</i> High Wind and Breaking Wave Measurements with SAR Depolarized Returns	
14:25 – 14:40	<i>C.-C. Teng</i> Ocean Climate Observations from the Tropical Atmosphere Ocean(TAO) Array: Present and Future.	
14:40 – 14:55	<i>Y. Qiu, L. Li and W. Yu</i> Behavior of the Wyrтки Jet observed with surface drifting buoys and satellite altimeter.	
14:55 – 15:10	<i>Q. Xu, C. Wu and X Li</i> Investigation of SAR Monitoring of Hurricane Wind.	
15:10 – 15:30	Tea Break	
Observing and Modeling the Integrated Earth System (II) Chairman: Ming-An Lee 、Peter Chu, (I.C. Hall)		
15:30 – 15:45	<i>M.-A. Lee</i> The cold water intrusion related to the exceptional fishery disaster during the ENSO events around the Penghu Islands	

15:45 – 16:00	<i>Y.-H. Tsao and C.-R. Ho</i> Estimation and Application of tropical cyclone heat potential from satellite remote sensing data.	
16:00 – 16:15	<i>I.-I. Lin, I.-F. Pun, W. T. Liu, C.-C. Wu and D.-S. Ko</i> Upper Ocean Thermal Structure, Rapid Intensification, and Supercyclones – Satellite Observations and Numerical Simulations.	
16:15 – 16:30	<i>S. P. Zhang, J.W. Liu, S.-P. Xie and X.G. Meng</i> The formation of a surface anticyclone in the spring Yellow and East China Seas.	
16:30 – 16:45	<i>Y.-L. Chang, L.-Y. Oey, C.-R. Wu and H.-F. Lu</i> Why are there upwellings on the northern shelf of Taiwan under northeasterly winds?	
16:45 – 17:00	<i>Y.-T. Chan, S.-J. Huang, N.-J. Kuo and C.-R. Ho</i> The effect of typhoon evolution on sea surface characteristics in the Northwestern Pacific by using multi-satellite data.	
17:00 – 17:15	<i>H. Wang and D. Han</i> Toxicity of the mixtures of polycyclic aromatic hydrocarbons (PAHs) and heavy metals to <i>Tilapia Oreochromis Mossambicus</i> .	
Monday , June 28 , 2010		
Weather forecasting and numerical simulation (I) Chairman: 黃清勇、馮欽賜, (Room 310)		
13:40 – 13:55	<i>陳雯美、沈彥志、曹伶伶、馮欽賜、吳婉淑</i> 中央氣象局全球資料同化系統之更新評估	
13:55 – 14:10	<i>黃清勇、黃振星</i> FORMOSAT-3/COSMIC 及 Follow-on 掩星觀測對侵台颱風預報的影響：觀測系統敏感度實驗	
14:10 – 14:25	<i>Anisetty S K A V Prasad Rao and Ching-Yuang Huang</i> An Impact Study of Assimilation of COSMIC, Satellite Data and Bogus Vortex for the Simulation of Cyclone Gonu (2007)	
14:25 – 14:40	<i>黃清勇、莊嘉欣</i> 福衛三號及其他觀測資料同化對台灣地區颱風和梅雨模擬之影響	
14:40 – 14:55	<i>Shu-peng Ho, Xinjia Zhou, Ying-Hwa Kuo, Doug Hunt and Cheng-Zhi Zou</i> Construction of a Consistent Microwave Sensor Temperature Record in the Lower Stratosphere Using Global Positioning System Radio Occultation Data and Microwave Sounding Measurements	
14:55 – 15:10	<i>Xiaoqing Wu, and Sunwook Park</i> Long-Term Cloud-Resolving Model Simulations of Cloud Properties and Radiative Effects of Cloud Distributions	
15:10 – 15:30	Tea Break	
Weather forecasting and numerical simulation (II) Chairman: Da-Ling Zhang、簡芳菁, (Room 310)		
15:30 – 15:50	<i>Da-Lin Zhang and Yi-Xuan Shou</i> Enhanced Urban Heat Island Effects by Upstream Urbanization	
15:50 – 16:05	<i>Yu Gu, K. N. Liou, S. C. Ou, and R. Fovell</i> Cirrus Cloud Simulations Using WRF with Improved Radiation Parameterization and Increased Vertical Resolution	
16:05 – 16:20	<i>Wenhua Gao, Fengsheng Zhao, Zhijin Hu and Xuan Feng</i> A Two-Moment Bulk Microphysics Scheme Coupled with a Mesoscale Model (WRF). Model Description and First Results	

16:20 – 16:35	<i>Shyh-Chin Chen, Francis Fujioka and John Benoit</i> Meso-scale Spectral Model Simulations over the San Jacinto Mountain Region	
16:35 – 16:50	<i>John Chien-Han Tseng, Hsin-Kuo Pao and Christos Faloutsos</i> The Typhoon Tracks Analysis using Tri-plots and Markov chains	
16:50 – 17:05	蕭羽利、簡芳菁 東北季風、颱風環流與台灣地形交互作用之數值模擬分析	
Monday, June 28, 2010		
Atmospheric observation and analysis (I) Chairman : 余嘉裕、楊明仁, (Room 311)		
13:40 – 13:55	<i>Chi-Cherng Hong, Ming-Ying Lee, Huang-Hsiung Hsu and Jui-Ling Kuo</i> Role of Submonthly Disturbance and 40–50-day ISO on the Extreme Rainfall Event Associated with Typhoon Morakot (2009) in Southern Taiwan	
13:55 – 14:10	<i>Ling Ching, Chung-Hsiung Sui, Ming-Jen Yang</i> An analysis of TC activities interacting with tropical waves	
14:10 – 14:25	陳政安、涂建翊、余嘉裕 颱風路徑與台灣本島降雨分布特徵	
14:25 – 14:40	徐天佑、翁進登 莫拉克颱風風場變化與降雨的探討	
14:40 – 14:55	鄧財文 恆春半島颱風降水之研究(二)潭美颱風(2001#5)	
14:55 – 15:10	陳聯光、黃柏誠、林聖琪、林又青、王俞婷、林祺岳、陳如琳 莫拉克颱風降雨與崩塌分佈特性探討	
15:10 – 15:30	休息 Tea Break	
Atmospheric observation and analysis (II) Chairman : Chung-Lin Shie、劉清煌, (Room 311)		
15:30 – 15:45	<i>Chung-Lin Shie, Long S. Chiu, Robert Adler, Si Gao, R. Chokngamwong, I-I Lin, Eric Nelkin, Joe Ardizzone, Pingping Xie, and Feng-Chin Wang</i> A Recently Revived and Produced Global Air-sea Surface Turbulent Fluxes Dataset GSSTF2b: Validations and Findings	
15:45 – 16:00	徐堂家、盧孟明 台灣的風	
16:00 – 16:15	邱品峻、余嘉裕 描述颱風活動的新方法	
16:15 – 16:30	楊菁華、劉清煌 2004 ~ 2009 年西北太平洋颱風對稱性研究	
16:30 – 16:45	蒲金標 漲潮力與 2009 年莫拉克颱風之相關分析研究	
16:45 – 17:00	李柏宏、賈新興、陳孟詩 翡翠水庫歷年降雨資料分析	
17:00 – 17:15	劉明禮 臺灣山脈對熱帶氣旋波動的地形強制作用	
Monday, June 28, 2010		
Climate monitoring and prediction (I) Chairman: 王斌、盧孟明, (Room 617)		
13:40 – 13:55	<i>Jian Liu, Bin Wang and Willie Soon</i> Responses of Global and East Asian Monsoon to the External Forcing over the Last Millennium	

13:55 – 14:10	<i>Song Yang, Yueqing Li, Tae-Won Park, and Chang-Hoi Ho</i> East Asian Winter Monsoon, Arctic Oscillation, and East Asian Cold Surges	
14:10 – 14:25	<i>Song Yang and CPC Global Monsoons Team</i> Monitoring and prediction of global monsoon systems at the NOAA Climate Prediction Center	
14:25 – 14:40	<i>Chunying Liu, Richard W. Reynolds and Patria Viva F. Banzon</i> Using Extended Reconstruction Sea Surface Temperatures to Study the Climate Trends, Extremes and Variability	
14:40 – 14:55	卓盈旻、盧孟明 IPCC 第四期評估報告氣候模式對台灣氣候變遷模擬之分析	
14:55 – 15:10	李清騰、盧孟明、Bin Wang 侵台颱風累積動能(ACE)季節預報可行性研究	
15:10 – 15:30	Tea Break	
Climate monitoring and prediction (II) Chairman: 洪志誠、Jin-Yi Yu, (Room 617)		
15:30 – 15:50	<i>Jin-Yi Yu</i> Central-Pacific El Nino: Pattern, Evolution, and Generation	
15:50 – 16:05	<i>Chi-Cherng Hong, Mong-Ming Lu and Masao Kanamitsu</i> Temporal and Spatial Characteristics of Positive and Negative Indian Ocean Dipole with and without ENSO	
16:05 – 16:20	<i>Chunguang Yu and Ruixin Yang</i> Impacts of Seasonal Adjustment Methods in ENSO Studies	
16:20 – 16:35	紀佳臻、涂建翊 聖嬰與反聖嬰年期間侵台颱風特性分析	
16:35 – 16:50	施明甫、洪致文、陳正達 東南太平洋間熱帶輻合帶的年際變化	
16:50 – 17:05	邱洵、吳柏瑾、洪志誠 兩種類型 ENSO 對西北太平洋熱帶地區夏季季風高、低頻季內震盪影響之比較	
17:05 – 17:20	李思瑩、盧孟明 2009/10 年冬季環流分析	
Tuesday , June 29, 2010		
Ocean and Atmosphere Systems and Dynamics Chairman: Yu-Heng Tseng、N.-K. Liang, (I.C. Hall)		
08:35 – 08:50	<i>S. C. Ling and H. P. Pao</i> On the Mechanics of the Typhoon Morakot	
08:50 – 09:05	<i>B. Qiu</i> Interannual variability of the North Pacific Subtropical Countercurrent and its associated mesoscale eddy field.	
09:05 – 09:20	<i>C.-S. Chern</i> Numerical Study on the Interactions Between Meso-scale Eddies and Western Boundary Current.	
09:20 – 09:35	<i>Q. Zheng, C.-K. Tai, J.Y. Hu, F.-C. Su and X.F. Yang</i> Nonlinear Rossby Eddy-Kuroshio Interaction at the Luzon Strait.	
09:35 – 09:50	<i>J. Sun, K. Du and X. Shi</i> Affections of SST in North Atlantic and Arctic Ocean on cold air activity over the east China marginal seas.	
09:50 – 10:05	<i>H. L. Liu, S. A. Grodsky and J. Carton</i> Subseasonal Variability of Oceanic Barrier and Compensated Layers in the North Pacific.	

10:05 – 10:20	<i>R.-S. Tseng, Y.-C. Chang and G.-Y. Chen</i> Typhoon-induced strong currents.	
10:20 – 10:40	Tea Break	
Marine meteorology and operational forecast (I) Chairman: Ruo-Shan Tseng 、 Bo Qiu, (I.C. Hall)		
10:40 – 10:55	<i>B. Hsieh</i> Determining Necessary Storm Surge Model Scenario Runs Using Unsupervised-Supervised Artificial Neural Networks.	
10:55 – 11:10	<i>A. Zhang</i> Coastal Ocean Modeling Framework(COMF) for Operational Forecast System.	
11:10 – 11:25	<i>D.-S. Ko, P. J. Martin, G. A. Jacobs and R. H. Preller</i> Application of an Ocean Nowcast/Forecast System.	
11:25 – 11:40	<i>R. Y. Wang</i> The Nonlinear Effect and Numerical Model Study for Offshore Storm Surge.	
11:40 – 11:55	<i>X. Wang, Y. Chao, H. Zhang, J. Farrara, X. Jin, K. Park, F. Colas, J. C. McWilliams and C. Paternostro</i> Modeling tides in Prince William Sound, Alaska and their Influence on circulation.	
11:55 – 12:10	<i>N.-K. Liang and T.-H. Hsu</i> A Preliminary Study on Swell Forecasting for Extra-Tropical Cyclone.	
12:10 - 13:40	Lunch Break	
Climate Trends, Extremes and Variability Chairman: Yih Yang 、 Quanan Zheng, (I.C. Hall)		
13:40 – 13:55	<i>H. Chien, H.-Y. Cheng and M.-D. Chiou</i> The Wave Climate Variation around Taiwan Waters.	
13:55 – 14:10	<i>L. Lin and Z. Demirbilek: CMS</i> A Coastal Modeling System for Inlets and Navigation Projects.	
14:10 – 14:25	<i>D. Zhao and H. Li</i> Wave effect on air-sea CO ₂ flux – a case study.	
14:25 – 14:40	<i>R.-H. Zhang</i> Effects of Freshwater Flux(EWF) forcing on Interannual Climate Variability in the Tropical Pacific.	
14:40 – 14:55	<i>H. Cai, C. Kessinger, N. Rehak, D. Megenhardt and M. Steiner</i> The Challenges of Nowcasting Convection over the Ocean.	
14:55 – 15:10	<i>C.-S. Wu</i> Rip Currents Observations and Prediction on Swell-Dominated Beaches	
15:10 – 15:40	Tea Break & Posters	
Marine meteorology and operational forecast (II) Chairman: Hwa Chien 、 W.-C. Yang, (I.C. Hall)		
15:40 – 15:55	<i>A.K. Liu, M.-K. Hsu and B.S. Yin</i> Nonlinear Internal Waves in the Northwestern Part of South China Sea	
15:55 – 16:10	<i>G.-Y. Chen</i> Internal Solitary Wave and the Simulation of Nutrient Transport in Dongsha Atoll.	
16:10 – 16:25	<i>H. P. Pao and M. Lee</i> Intense Nonlinear Internal Waves in Oceans.	
16:25 – 16:40	<i>H. Xi and Y. Zhang</i> Total suspended matter observation in the Pearl River estuary from in situ and MERIS data.	
16:40 – 16:55	林勝豐、張恆文 POM 海洋模式在東部海域之應用研究	

16:55 – 17:10	于嘉順、江朕榮、余杏儒、滕春慈、朱啟豪 暴潮模式校驗與評估-以 2009 年颱風為例	
Tuesday , June 29, 2010		
Weather forecasting and numerical simulation (V) Chariman: 莊漢明、洪景山, (Room 310)		
13:40 – 13:55	Hann-Ming Henry Juang The Next Generation of NCEP Atmospheric Model Dynamics	
13:55 – 14:10	Jia-Fong Fan and Hann-Ming Henry Juang Comparison of hybrid and generalized-hybrid vertical coordinates implemented in the NCEP GFS	
14:10 – 14:25	Sarah Lu, Ho-Chun Huang, Yu-Tai Hou, Youhua Tang and Jeff McQueen Development of NCEP Global Aerosol Forecasting and Assimilation System: An overview and preliminary modeling results	
14:25 – 14:40	Bo-Wen Shen, Wei-Kuo Tao, Robert Atlas, Y.-L. Lin, C. D. Peters-Lidard, J.-D. Chern, K.-S. Kuo Application of a Global Mesoscale Model for Predicting the Formation of Twin Tropical Cyclones associated with a Madden-Julian Oscillation	
14:40 – 14:55	Bo-Wen Shen, Wei-Kuo Tao, William K. Lau and Robert Atlas African Easterly Waves in 30-day High-resolution Global Simulations: A Case Study during the NAMMA Period in 2006	
14:55 – 15:10	蔡佳伶、洪景山 WRF 模式東亞地區土地利用資料庫之更新與個案研究	
15:10 – 15:40	Tea Break & Posters	
Weather forecasting and numerical simulation (VI) Chairman: 何台華、張偉裕, (Room 310)		
15:40 – 15:55	Jenny S-N Hui, Yuanfu Xie and Jen-Hsin Teng Mesoscale Analysis for Typhoon Sinlaku (2008) and Morakot(2009) by using the three-dimensional Space-Time Mesoscale Analysis System (STMAS3D)	
15:55 – 16:10	陳得松、蕭玲鳳、黃康寧、鄭銘華、葉天降 中央氣象局 WRF 模式颱風預測能力之改進及測試	
16:10 – 16:25	馮欽賜、陳雯美 TPARC 實驗之投落送觀測資料對辛樂克颱風侵臺前路徑預報的影響研究	
16:25 – 16:40	蔡明憲、汪建良、侯昭平、何台華 卡玫基颱風(2008)引發澎湖地區強降水事件之數值模擬研究	
16:40 – 16:55	楊筑方、簡芳菁 卡玫基颱風(2008)之數值模擬研究	
16:55 – 17:10	洪榮川、張偉裕、郭漱冷、陳台琦、魏志憲 蓄蜜颱風雨滴粒徑特性及雙偏極化雷達參數垂直結構特徵研究	
Tuesday , June 29, 2010		
Atmospheric observation and analysis (III) Chariman: 游政谷、張保亮, (Room 311)		
08:35 – 08:50	Liang Liao and Robert Meneghini A Study on Feasibility of Dual-Wavelength Radar for Identification of Hydrometeor Phases	
08:50 – 09:05	唐玉霜、陳台琦 2009 莫拉克颱風雷達觀測熱塔特性研究	
09:05 – 09:20	林育邦、郭漱冷、陳台琦、魏志憲 應用馬公 C 波段雙偏極化雷達進行冰雹個案分析	
09:20 – 09:35	呂崇華	

	空軍雙偏極化氣象雷達觀測成效與應用	
09:35 – 09:50	蔡國榮 林沛練 廖宇慶 2008 年台灣西南部地區 TRMM 降雨雷達與七股雷達回波觀測比較分析及降雨估計應用研究	
09:50 – 10:05	蔣育真 林沛練 2009 年台灣梅雨季南北部不同地點雨滴粒徑分佈特性之比較研究	
10:05 – 10:20	Jian-Jian Wang Evolution, Structure, and Cloud Microphysics of East Asian Monsoon Convection — A Dual-Doppler/Polarimetric Radar Study	
10:20 – 10:40	Tea Break & Posters	
Atmospheric observation and analysis (IV) Chairman: 林沛練、鄭兆尊, (Room 311)		
10:40 – 10:55	陳滢、游政谷 利用高解析度地面觀測及雷達資料研究颱風雨帶內部擾動及振幅特徵	
10:55 – 11:10	邱思翰、林沛練 利用 WRF 模式研究 SOWMEX IOP3 期間地形效應對於強降雨個案之影響	
11:10 – 11:25	Pao-Liang Chang and Pin-Fang Lin Unusual Radar Anomalous Propagation Associated with Foehn Winds Induced by Typhoon Krosa (2007)	
11:25 – 11:40	Amelie C. Chu and Benjamin F. Chao Global tropopause height variabilities derived from FormoSat-3/COSMIC GPS occultation data	
11:40 – 11:55	Chih-Hsien Wei (魏志憲) and Sheng-Nan Su (蘇勝男) The Characteristic of the Squall—An Analysis of Meteorological Factors by Using High Temporal Observations	
11:55 – 12:10	王安翔、鄭兆尊、翁進登、傅金城、張駿暉 莫拉克颱風期間台東縣太麻里流域之降雨估計評估分析	
12:10 – 13:40	Lunch Break	
Atmospheric observation and analysis (V) Chairman: 林博雄、陳圭宏, (Room 311)		
13:40 – 13:55	John Qu Xianjun Hao, Yong Xie, Lingli Wang, Dan Xu and Shengjie Niu Integrated Multi-sensor Measurements to Monitor Asian Sand and Dust Storm (SDS) from Space	
13:55 – 14:10	王璿璋、林博雄 飛機積冰模擬與診斷	
14:10 – 14:25	楊傳琮 再談客觀潛力指數的應用	
14:25 – 14:40	Tang-Huang Lin, N. Christina Hsu, Si-Chee Tsay and Gin-Rong Liu MODIS 資料在亞洲地區沙塵天氣分類之應用	
14:40 – 14:55	鄭凱元、林博雄 對流引發重力波之模擬與晴空亂流個案診斷應用	
14:55 – 15:10	陳圭宏、羅如惠 臺灣紫外線指數分析探討	
15:10 – 15:40	Tea Break & Posters	
Atmospheric observation and analysis (VI) Chairman: 林雨我、賈新興, (Room 311)		
15:40 – 15:55	張智昇、于宜強、林李耀 台灣地區梅雨季豪雨監測指標研究	

15:55 – 16:10	陳淡容、于宜強、陳永明、黃柏誠、李宗融、周仲島 極端降雨颱風分析研究	
16:10 – 16:25	李宗融、于宜強、陳永明、陳淡容、林李耀 台灣地區致災性降雨特性分析	
16:25 – 16:40	林得恩、林裕豐 2008 年梅雨鋒面伴隨中尺度渦旋之個案綜觀環境特徵分析	
16:40 – 16:55	顏亦堅、游政谷 夏季弱綜觀環境下台北盆地的午後降水時間與空間之特徵分析	
16:55 – 17:10	Pin-Fang Lin, Pao-Liang Chang and Ben Jong-Dao Jou Warm Season Afternoon Thunderstorm Characteristics under Weak Synoptic-Scale Forcing over Taiwan Island	
Tuesday , June 29, 2010		
Weather forecasting and numerical simulation (III) Chairman: 陳萬金、廖杞昌, (Room 407)		
08:35 – 08:50	Ruixin Yang and Jiang Tang Investigation of Rapid Intensification Conditions of Tropical Cyclones with Data Mining Techniques	
08:50 – 09:05	林宗翰、洪景山 WRF Numerical Diffusion 效能評估及個案模擬與分析	
09:05 – 09:20	廖杞昌、羅明福 東亞地區巢狀區域波譜模式精進之研究	
09:20 – 09:35	陳美心、郭永潤、馮欽賜 WRF3DVAR 背景誤差調校方法	
09:35 – 09:50	李精進、汪建良、陳萬金 衛星遙測風場資料同化對颱風模擬之影響	
09:50 – 10:05	戴聖倫、廖宇慶、Juanzhen Sun、張少凡 使用四維變分同化都卜勒雷達資料以改進短期定量降雨預報之研究-2008 SoWMEX/TiMREX IOP8 鋒面個案之分析與預報	
10:05 – 10:20	陳昭銘、黃明哲、毛正氣、黃文龍 WRF 模式預報之系統性誤差與修正特性	
10:20 – 10:40	休息 Tea Break	
Weather forecasting and numerical simulation (IV) Chairman: 王重傑、柳再明, (Room 407)		
10:40 – 10:55	黃小玲、王重傑、陳泰然 暖季降水個案於青藏高原之數值模擬研究	
10:55 – 11:10	Hiep Van Nguyen and Yi-Leng Chen WRF Simulations of a TC-Induced Record-Breaking Heavy Rainfall Event over Taiwan	
11:10 – 11:25	簡國基 海棠颱風登陸台灣前內核結構演變之研究	
11:25 – 11:40	劉崇治、劉振榮、林唐煌、趙俊傑 衛星潛勢類比預報技術在莫拉克颱風(2009)侵台期間之應用研究	
11:40 – 11:55	莊耀中、魏志憲、汪建良 莫拉克颱風(2009)影響期間的對流雨帶在動力結構上之初步分析	
11:55 – 12:10	朱吟晨、吳宜昭、林李耀 低層大氣水氣通量對颱風降雨的影響	
12:10 – 13:40	Lunch Break	
Tuesday , June 29, 2010		

Climate monitoring and prediction (III) Chairman: Pao-Shin Chu、Yong-Kang Xue, (Room 617)		
08:40 – 09:00	<i>Pao-Shin Chu and Ying Ruan Chen</i> Changes in precipitation extremes in the Hawaiian Islands under a warming climate	
09:00 – 09:20	<i>Long S Chiu, Stephen P-W Lau, William K.M. Lau and Edwin Ginn</i> Trends of hourly rainfall characteristics observed at the Hong Kong Observatory 1885-2009	
09:20– 09:35	<i>林昀靜、盧孟明</i> 2009 年極端降雨事件監測與分析	
09:35 – 09:50	<i>Hsi-Yen Ma, C. R. Mechoso, H. Xiao, C. -M. Wu, Y. Xue, and F. De Sales</i> Connection between the South Pacific anti-cyclone, Peruvian Stratocumulus, and the South American Monsoon System	
09:50 – 10:05	<i>Yu Gu, K. N. Liou, Wen Chen and Hong Liao</i> Dust Storm Reduction due to Precipitation and Temperature Enhancement in Northwestern China: Possible Climatic Impact of Absorbing Aerosols	
10:05 – 10:20	<i>Xuepeng Zhao and Edward J. Kearns</i> Long-term Trend of Aerosol Optical Thickness over the Western Pacific Ocean	
10:20 – 10:40	Tea Break	
Climate monitoring and prediction (IV) Chairman: 蕭志惠、Jesse Meng, (Room 617)		
10:40 – 11:00	<i>Yong-kang Xue, W. K-M Lau, A. Boone, and the WAMME team</i> The West African Monsoon Modeling and Evaluation project (WAMME) Initiative and its First Model Intercomparison Experiment: Intercomparison and analyses of the WAM climatology	
11:00 – 11:15	<i>Weihong Qian(錢維宏), Ding Ting (丁婷) and ZHANG Zongjie (張宗婕)</i> Regional temporal evolutions of heat waves and cold surges in China during 1961-2008	
11:15 – 11:30	<i>Jesse Meng and the NCEP CFSR Team</i> Surface Energy and Water Budgets in the NOAA Climate Forecast System Reanalysis	
11:30 – 11:45	<i>吳慧玲、蕭志惠、范家鳳</i> 2008~2009 CWBNSM/NCEPRSM 之模式與觀測資料	
11:45 – 12:00	<i>駱世豪、陳正達、童裕翔</i> 利用高解析度觀測資料產生極端天氣在氣候變遷背景下之投影	
12:00 – 12:15	<i>陳孟詩</i> 中央氣象局月季長期天氣展望之預報校驗	
12:15 – 13:40	Lunch Break	
Meteorological disaster mitigation and application Chairman: 林李耀、鄧財文, (Room 617)		
13:40 – 13:55	<i>林聖琪、王安翔、柯明淳、張智昌</i> 雷達降雨估計資料應用坡地災害警戒模型	
13:55 – 14:10	<i>王安翔、張智昌、林聖琪、柯明淳、林李耀</i> 雷達降雨估計於防災科技之應用	
14:10 – 14:25	<i>Huey-Ru Wu, Ting-Huai Chang, Chia-Hao Liu and Chung-Ho Horng</i> Support Vector Machine on Analysis of Temperature and Precipitation Data	
14:25 – 14:40	<i>劉昭民</i> 從 2009 年八八豪雨談到氣象教育宣導問題	
14:40 – 14:55	<i>鄧財文</i> 以氣象雷達研究春季候鳥北返台灣的過境行為	
14:55 – 15:10	<i>黃柏誠、陳永明、朱容練、陳韻如</i> 2009 年台灣乾旱事件研究	

15:10 – 15:40	Tea Break & Posters	
Wednesday , June 30, 2010		
Marine meteorology and operational forecast (III) Chairman : Laurence Z.H. Chuang 、Ming-Da Chiou, (I.C. Hall)		
08:35 – 08:50	楊天璋、朱啟豪、吳中生、滕春慈 莫拉克颱風海象資料分析	
08:50 – 09:05	江朕榮、余杏儒、于嘉順、陳琬婷、朱啟豪、滕春慈 台灣海域多尺度三維海流預報作業模式建置	
09:05 – 09:20	劉欣怡、戴仁華、張雅婷、唐存勇 西北太平洋長期海氣象觀測系統	
09:20 – 09:35	林立青、梁茂昌、滕春慈、張憲國 地震與突變氣候之海嘯長波研究	
09:35 – 09:50	林立青、梁茂昌、戚務正、張憲國 地表微振動與海洋波浪之相關性研究	
09:50 – 10:05	蔡政翰、高家俊、董東璟、黃世任、周于洋、白儀芬、楊一中、滕春慈 立體海況攝影技術研究與開發	
10:05 – 10:20	簡連貴、滕春慈、馮宗盛、顏厥正、李汴軍、張瑞文 海象資訊 e 化服務系統之建置與應用	
10:20 – 10:40	Tea Break	
Round Table Discussion Chairman: 葉天降、趙丰 (I.C. Hall)		
10:40 – 11:50	Topics : Future National and International Collaboration on Oceanic and Atmospheric Science and Technology Research and Development	
11:50 – 12:00	Closing Ceremony Chairman: 葉天降、孫兩傳 (I.C. Hall)	
12:20 – 13:40	Lunch Break	
Wednesday , June 30, 2010		
Weather forecasting and numerical simulation (VII) Chairman: 呂國臣、鄒治華, (Room 310)		
08:35 – 08:50	林昀璵、劉輝、郭英華、馮欽賜 SoWMEX 實驗 EAKF 系集資料同化系統初步分析	
08:50 – 09:05	黃嘉美、呂國臣、陳怡良、蔡孝忠 颱風強度之動力統計預報初步研究	
09:05 – 09:20	黃沛語、鄒治華 新降尺度預報於颱風軌跡季節預報的應用	
09:20 – 09:35	李志昕、洪景山、曹嘉宏 區域系集預報系統設計之初步研究	
09:35 – 09:50	陳重功、羅存文 中央氣象局降水統計預報技術之探討	
09:50 – 10:05	梁信謙、陳正達、童裕翔、陳建蒲 系集動力模式對於西北太平洋的颱風季節模擬及預測	
10:05 – 10:20	王政忠、陳雲蘭 邏輯斯迴歸模型輔以最小絕對壓縮挑選機制(LASSO)於降水機率預報之應用	
10:20 – 10:40	休息 Tea Break	
Education Promotion for school Meteorological Observation Network (I) Chairman: 韓長澤、王緒溢, (Room 310)		
13:40 – 14:00	韓長澤、王緒溢、徐蕙君	

	教育導向之城市氣象感測網路的建置與應用	
14:00 – 14:20	王緒溢、許英珺、張立杰 行動與感測科技輔助之親子氣象探究式學習	
14:20 – 14:40	彭天音、許英珺、王緒溢、張立杰 探討氣象探究網路競賽中學生科學探究能力的表現	
14:40 – 15:00	呂國臣、王緒溢 天氣預報融入國小教學實驗成果分析	
15:00 – 15:20	Tea Break	
Education Promotion for school Meteorological Observation Network (II) Chairman: 王寶勛、徐蕙君, (Room 310)		
15:20 – 15:40	王寶勛 國小氣象教學與探究式學習引導經驗分享	
15:40 – 16:00	張涵曦 中學生氣象探究式學習行為引導案例分析	
16:00 – 16:10	張晏寧、羅珮嘉、高珮瑄、王寶勛、黃瑞育 台北盆地午後雷陣雨發生及行進方向的案例分析	
16:10 – 16:20	陳彥霖、蔡郁晨、李佳穎、楊世昌、吳柏菱 冷鋒來臨前後期間，氣壓和氣溫的變化相關性及冷鋒來襲頻率增加對氣壓和氣溫變化影響探究	
16:20 – 16:30	關旂、關世平 分析單點校園氣象站歷年氣象資料時間序列探究白雲山東側山谷風特徵	
Wednesday , June 30, 2010		
Climate monitoring and prediction (V) Chairman: 盧孟明、隋中興, (Room 311)		
08:45 – 09:05	Bin Wang What Control Climate Variation and Future Change of The Tropical Storm Days?	
09:05 – 09:20	Yaping Zhou, K.-M. Lau Tropical Rainfall Trends from GPCP Analyses	
09:20 – 09:35	Peng Liu and Chung-Hsiung Sui How much do we know about decadal to multidecadal climate variability ?	
09:35 – 09:50	Renguang Wu Possible Roles of the Indian Ocean in the Biennial Transitions between the Indian and Australian Summer Monsoons	
09:50 – 10:05	Jae-Kyung E. Schemm 2010 Hurricane/Typhoon Season Prediction with the NCEP T382 CFS CGCM	
10:05 – 10:20	Pay-Liam Lin , Po-Lin Wu and Hann-Ming Henry Juang Regional Climate Simulation on the 1998 South China Sea (SCS) Summer Monsoon with Local Mean Bias Correction	
10:20 – 10:50	Tea Break	
Tuesday , June 29, 2010		
15:10 - 15:40	Posters	
	International Conference Hall vestibular	
	海象測報及海洋預報作業	
	P. Hwang Altimeter Observation of Wind-Wave-Current Interaction in the Kuroshio.	
	Y.-L. Chang and L.-Y. Oey Why can wind delay the shedding of Loop Current eddies?	

	<i>J.H. Wu, C.-I Lee, C.-H. Chen, S.Y. Chen, J.Y. Kuo, H.L. Hsu, and S. Jan</i> The Ocean Data Bank of NSC: An interdisciplinary oceanic database for the East Asian seas	
	The 3rd floor atrium	
	天氣預報與數值模擬	
	<i>Jun Du and Binbin ZHOU</i> Fog Prediction from a Multimodel Mesoscale Ensemble Prediction System	
	沈彥志、馮欽賜、陳雯美、曹伶伶、陳御群、楊明仁 以 GSI 同化 GPS-RO 資料對中央氣象局全球預報系統之影響	
	許家維、葉大綱、洪景山、蔡雅婷 利用 GPS 訊號延遲量反演對流層可降水之研究	
	劉家豪、張庭槐、洪忠和 邏輯斯迴歸分析在降雨機率預報上的應用及校驗分析	
	陳雲蘭、王政忠、張琬玉 統計迴歸模式季內時間取樣差異測試	
	曹伶伶、馮欽賜、陳雯美、沈彥志 AMSU-A 衛星資料對於中央氣象局全球預報系統之影響分析	
	氣候監測與預測	
	蔡孝忠、陳怡良 利用分析場資料協助颱風氣候降雨預報之可行性研究	
	大氣觀測與分析	
	柳再明、梁仁有、張祐芳、錢根樹 台灣農業氣象觀測網簡介	
	蔡孝忠、陳怡良 1990~2010 年台灣寒潮特徵之初步分析	
	戴世忠、林得恩 2009 年冬季清泉崗機場低能見度個案探討	
	氣象防災與應用	
	羅皓丰、羅名欽 氣象與地震	
	李文正、謝龍生、林宜汝、翁進登、吳啟瑞、張駿暉 莫拉克颱風降雨對河川防洪預警之衝擊	
	李欣輯、謝龍生、陳聯光、李文正 莫拉克颱風降雨事件對災區流域之土地利用衝擊	
	陳聯光、謝龍生、林聖琪、張志新、陳韻如、王俞婷、林又青 莫拉克颱風降雨事件對坡地災害預警之衝擊	