

Session Information

Atmospheric Sciences

2010 Western Pacific Geophysics Meeting

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Tuesday Morning 1			
Time	Session	Location	Title
0830	A21A	Poster Area (TICC)	Cloud Precipitation and Radiation and Their Roles in Regional and Global Water and Energy I Posters (joint with H) <i>Presiding: E Fetzer; M Chou</i> Print-friendly session details
0830	A21A-110	Poster Area (TICC)	The radiation fluxes at top-of-atmosphere and surface based on SRB data for 1998-2007 *T Fan, B Lin, P Stockhouse POSTER Abstract
0830	A21A-111	Poster Area (TICC)	Cloud and Radiative Characteristics Over Tropical Pacific During 97/98 El Nino *M Sun, R D Cess, D R Doelling POSTER Abstract
0830	A21A-112	Poster Area (TICC)	Variations of Cloud and Radiative Properties of Boundary-layer and Deep Convective Systems with Sea Surface Temperature Anomalies *K Xu, T Wong, S Dong, F Chen POSTER Abstract
0830	A21A-113	Poster Area (TICC)	Boundary Layer and Cloud Structure Controls on Tropical Low Cloud Cover Using A-Train Satellite Data and ECMWF Analyses *T L Kubar, D E Waliser, L F Juilin POSTER Abstract
0830	A21A-114	Poster Area (TICC)	The Structure and Environment of Tropical Deep Convective Clouds From A CloudSat-Centric A-Train and ECMWF Analysis Data Set *W A Chen, L F Juilin, D E Waliser, T L Kubar, E Fetzer, B Kahn, P A von Allmen, S Lee, L Pan, Z Lebo, J H Seinfeld, J Neelin POSTER Abstract
0830	A21A-115	Poster Area (TICC)	Tropical Convective Processes As Seen from A-Train: New Insights *Z Luo POSTER Abstract
0830	A21A-116	Poster Area (TICC)	Comparisons of Ice Cloud Vertical Structure among the UCLA AGCM, Analyses and CloudSat observations *H Ma, J F Li, M Köehler, J Farrara, A Arakawa, C R Mechoso, D E Waliser POSTER Abstract
0830	A21A-117	Poster Area (TICC)	Cloud Water Vertical Structure in Central Weather Bureau Global Forecast System Analyses and CloudSat observations *F Wang, C Fong, J F Li, H H Juang, M Lu POSTER Abstract
0830	A21A-118	Poster Area (TICC)	A case study on the characteristics of the raindrop size distribution in tropical maritime squall line observed in Taiwan *S Jung, D Lee, B Jou POSTER Abstract
0830	A21A-119	Poster Area (TICC)	Effective Solar Pathlength and Its Climate impact *J Li, Q Min POSTER Abstract
0830	A21A-	Poster Area	Correlation Analysis of Ground-Based GPS Precipitable Water Vapor

	120	(TICC)	*D Song, H Yun POSTER Abstract
0830	A21B	Poster Area (TICC)	Multiscale Organization of Tropical Convection: Year of Tropical Convection (YOTC) I Posters <i>Presiding: H Hsu; D E Waliser, Jet Propulsion Laboratory/Caltech; Y Takayabu; M Moncrieff</i> Print-friendly session details
0830	A21B-121	Poster Area (TICC)	Numerical Experiments on Formation Processes of Thin Moist Layers in the Tropical Mid-Troposphere over Ocean *S Otsuka, S Yoden POSTER Abstract
0830	A21B-122	Poster Area (TICC)	Baroclinic vorticity and its application in Typhoon *S Gao, Q Lin, X Shen POSTER Abstract
0830	A21B-123	Poster Area (TICC)	Island Effects on Mei-Yu Jet/Front Systems and Rainfall Distribution during TiMREX IOP #3 *Y Chen, C Tu POSTER Abstract
0830	A21B-124	Poster Area (TICC)	A Study on the Effects of Convective Momentum Transport Associated with Rain Bands within the Madden-Julian Oscillation T Miyakawa, *Y Takayabu POSTER Abstract
0830	A21B-125	Poster Area (TICC)	Climatology of the East Pacific ITCZ detected using a statistical model C Bain, G Magnusdottir, J De Paz, J Kramer, P Smyth, H Stern, *C Wang POSTER Abstract
0830	A21C	Poster Area (TICC)	Urban Emission, Flux Measurements, and Air Quality Studies I Posters (joint with H, B) <i>Presiding: T Fu, Hong Kong Polytechnic University; Y Wang; C Park, Texas A&M University; M Roth, National Univ Singapore</i> Print-friendly session details
0830	A21C-126	Poster Area (TICC)	Emission inventory inversion and optimization by high resolution Nested-Grid GEOS-Chem and OMI satellite observations *D Chen, H He, Y Wang POSTER Abstract
0830	A21C-127	Poster Area (TICC)	Baseline study of satellite remote sensing in PM air quality application in Taiwan using collocated in-situ, sunphotometer and lidar measurements *D Chu, T Tsai, Y Tseng, J Chen, S Chang POSTER Abstract
0830	A21C-128	Poster Area (TICC)	Nocturnal variation of ozone reservoir layers in southern Taiwan *C Lin, C Lai, Y Wu POSTER Abstract
0830	A21C-129	Poster Area (TICC)	Revisit the holiday effect over the Taipei Metropolitan area *P Tan, C Chou, C Sun, B Wu POSTER Abstract
0830	A21C-130	Poster Area (TICC)	Initial heat flux measurement in Hong Kong *W T Fung, Q Liu, K S Lam POSTER Abstract
0830	A21D	103 (TICC)	Aerosol-Cloud-Precipitation Relations: Measurements and Modeling I <i>Presiding: J H Jiang, California Institute of Technology; H Su</i> Print-friendly session details
0830	A21D-01	103 (TICC)	The Role of Aerosol on Precipitation Processes *W Tao, X Li, T Matsui, A Khain Abstract
0830	A21E	201ABC (TICC)	High-Resolution Global and Regional Modeling and Simulations of High-Impact Weather and Climate I (joint with OS) <i>Presiding: B Shen, UMCP/ESSIC; R Atlas; M Satoh; J Lee; S Lin</i>

			Print-friendly session details
0830	A21E-01	201ABC (TICC)	Three Paths to High-Resolution Global Modeling *D A Randall, A Arakawa Abstract
0845	A21D-02	103 (TICC)	Enhanced Water Vapor Transport to the Stratosphere by Pollutants in Asia *H Su, J H Jiang, X Liu, J Penner, W G Read, S T Massie, M R Schoeberl, P R Colarco, N J Livesey, M L Santee Abstract
0845	A21E-02	201ABC (TICC)	Tropical cyclone simulations and predictions with GFDL's prototype global cloud-resolving model *S Lin, M Zhao, Y Fan, C Kerr Abstract
0900	A21D-03	103 (TICC)	Large Scale Covariability in the Aerosol-SST-Precipitation Relation: A Satellite Perspective *N C Hsu, J Huang, M Jeong, C Seftor, C Bettenhausen Abstract
0900	A21E-03	201ABC (TICC)	Recent progress of the Nonhydrostatic Icosahedral Atmospheric Model, NICAM *M Satoh Abstract
0915	A21D-04	103 (TICC)	African aerosols and precipitation in the Atlantic Marine ITCZ and West African Monsoon J Huang, *C Zhang, J M Prospero Abstract
0915	A21E-04	201ABC (TICC)	Global Multiscale Modeling with NASA Supercomputing Technology: Multiscale Simulations of Tropical Cyclogenesis associated with an MJO or AEW *B Shen, W Tao, W K Lau, J Chern, J F Li, B Green, R Atlas Abstract
0930	A21D-05	103 (TICC)	Isolating Aerosol Microphysical and Thermodynamic Effects on Cloud and Precipitation from Ground and Space Observations *Z Li, F Niu Abstract
0930	A21E-05	201ABC (TICC)	NASA's plan for High Impact Weather Data Assimilation and Modeling Research *T J Lee Abstract
0945	A21D-06	103 (TICC)	Dependence of Ice Cloud Particle Effective Radius on Aerosol Optical Thickness and Ice Water Path *J H Jiang, H Su, S T Massie, M R Schoeberl, P R Colarco Abstract
0945	A21E-06	201ABC (TICC)	The Nonhydrostatic Icosahedral Model *J Lee Abstract

Tuesday Morning 2

Time	Session	Location	Title
1030	A22A	201ABC (TICC)	High-Resolution Global and Regional Modeling and Simulations of High-Impact Weather and Climate II (joint with OS) Presiding: R Atlas; M Satoh; J Lee; S Lin; B Shen, UMCP/ESSIC Print-friendly session details
1030	A22A-01	201ABC (TICC)	U S Navy Numerical Weather Prediction Systems: Current Status and Future Plans *M S Peng

			Abstract
1030	A22B	103 (TICC)	Recent Progress in Optical Remote Sensing of the Atmosphere and the Ocean I <i>Presiding: J Nee, National Central University; Y Hu, NASA LaRC; M Qin, Anhui Institute of Optics and Fine Mechanics, Chinese Academy of Sciences; C Chiang, National Central University</i> Print-friendly session details
1032	A22B-01	103 (TICC)	Observing and understanding the Southeast Asian aerosol environment: A holistic approach *J S Reid Abstract
1045	A22A-02	201ABC (TICC)	Recent Advances and Future Challenges in Cloud Microphysics Parameterization *Y Lin Abstract
1050	A22B-02	103 (TICC)	Ocean and atmospheric profiling lidar observations and its link to ocean carbon cycle *Y Hu Abstract
1100	A22A-03	201ABC (TICC)	On the Development and Evaluation of the NCEP High-Resolution Global Numerical Weather Forecast Model *F Yang Abstract
1103	A22B-03	103 (TICC)	A new method for detecting dust aerosol using multi-satellite measurements *J Huang, B Chen, P Minnis, Y Hu Abstract
1115	A22A-04	201ABC (TICC)	High Resolution Weather Modeling over the Hawaiian Islands *Y Chen Abstract
1121	A22B-04	103 (TICC)	Future Flight Opportunities and Calibration protocols for CERES : Continuation of Observations in support of the Long-Term Earth Radiation Budget Climate Data Record *K Priestley, G L Smith, S Thomas Abstract
1130	A22A-05	201ABC (TICC)	Simulation of the interannual variation of seasonal northwest Pacific typhoon activity with a regional climate model *C Chen, T Knutson, S Garner, W Chang, J J Sirutis, Y Feng, C Chou Abstract
1134	A22B-05	103 (TICC)	Comparisons of Passive Satellite-Deduced Overlapping Cloud Properties and CALIPSO/CloudSat Data *F Chang, P Minnis, B Lin, S Sun-Mack Abstract
1145	A22A-06	201ABC (TICC)	Modeling convective-stratiform precipitation processes on a Mei-Yu front with the WRF model: Comparison with observations and sensitivity to cloud microphysics parameterizations *Y Luo, Y Wang, H Wang, Y Zheng, H Morrison Abstract
1147	A22B-06	103 (TICC)	Regional Air Pollution Monitoring by Spectroscopic Techniques *W Liu, J Liu, P Xie Abstract

Tuesday Afternoon 1

Time	Session	Location	Title
1400	A23A	Poster Area	Aerosol-Cloud-Precipitation Relations: Measurements and Modeling II

		(TICC)	Posters Presiding: J H Jiang, California Institute of Technology; S T Massie; L F Juilin, JPL/CalTech/NASA; H Su Print-friendly session details
1400	A23A-131	Poster Area (TICC)	Investigation of aerosol effects on Thunderstorms and Lightning over the Pearl River Delta region, China *Y Wang, Q Wang, W Meng, F Liao, R Zhang POSTER Abstract
1400	A23A-132	Poster Area (TICC)	Influence of Convective Entrainment and Detrainment on Aerosol Transport to the Upper Troposphere over South America and Africa as Determined by A-train Measurements *L Huang, R Fu, J H Jiang POSTER Abstract
1400	A23B	Poster Area (TICC)	High-Resolution Global and Regional Modeling and Simulations of High-Impact Weather and Climate III Posters (joint with OS) Presiding: R Atlas; B Shen, UMCP/ESSIC; M Satoh; J Lee; S Lin Print-friendly session details
1400	A23B-133	Poster Area (TICC)	Incremental Improvement on NCEP Dynamics Code for High Resolution Modeling *H H Juang POSTER Abstract
1400	A23B-134	Poster Area (TICC)	Cloud Vertical Structure in the simulations with Conventional GCMs and a Multi-scale Modeling Framework GCM, Global Analyses and CloudSat observations *J F Li, D E Waliser, J Chern, B Shen, W A Chen, J Teixeira, W Tao, T L Kubar POSTER Abstract
1400	A23B-135	Poster Area (TICC)	The representation of tropical cyclones within the global non-hydrostatic Goddard Earth Observing System Model (GEOS-5) at cloud-permitting resolutions *W M Putman, M Suarez POSTER Abstract
1400	A23B-136	Poster Area (TICC)	On the Cloud-System Resolving Simulation of the South Asian Monsoon Depressions: Impact of Microphysics W Tung, *Y Wang POSTER Abstract
1400	A23B-137	Poster Area (TICC)	Modeling Air-Land-Sea Interaction in Monterey Bay area using an Integrated Regional Climate System Model *S Chien, Y Tseng, J Jin, N Miller POSTER Abstract
1400	A23B-138	Poster Area (TICC)	Simulation of Remote Triggering of Deep Convection by Cold Outflow over the Taiwan Strait during the Mei-yu Season: The 8 June 2007 Case *C Wang, G Chen, S Huang POSTER Abstract
1400	A23B-139	Poster Area (TICC)	High Resolution Numerical Simulations of Airflow and Weather over the Island of Oahu *H V Nguyen, Y Chen, F Fujioka POSTER Abstract
1400	A23B-140	Poster Area (TICC)	Nowcasting severe weather elements using a Kalman Filter approach *Z Cao POSTER Abstract
1400	A23B-141	Poster Area (TICC)	Simulated Pacific Decadal Oscillation and its Impacts on Climate over Eastern China during the Last Millennium *Y Peng, C Shen, W Wang, S Huang, Y Xu POSTER Abstract
1400	A23B-142	Poster Area (TICC)	Development of a scalable concurrent visualization approach for high temporal- and spatial-resolution models

			*B Green, C Henze, B Shen POSTER Abstract
1400	A23B-143	Poster Area (TICC)	Numerical modeling of microclimatic changes associated with tropical forest fragmentation *Y Wu POSTER Abstract
1400	A23B-144	Poster Area (TICC)	Predicting Tropical Cyclogenesis with a Global Mesoscale Model: Hierarchical Multiscale Interactions During the Formation of Tropical Cyclone Nargis (2008) *B Shen, W Tao, W K Lau, R Atlas POSTER Abstract
1400	A23B-145	Poster Area (TICC)	Limit on predictability of tropical weather in cloud permitting model *S Taraphdar, P Mukhopadhyay, B Goswami POSTER Abstract
1400	A23C	Poster Area (TICC)	Recent Progress in Optical Remote Sensing of the Atmosphere and the Ocean III Posters Presiding: J Nee, National Central University; Y Hu, NASA LaRC; W Chen, Environmental change research center; S K Das, Natinal Central University Print-friendly session details
1400	A23C-146	Poster Area (TICC)	Remote Sensing of Atmospheric and Surface Properties from Hyper-Spectral Satellite Data *X Liu, D Zhou, A Larar, W Smith, P Yang POSTER Abstract
1400	A23C-147	Poster Area (TICC)	Development of day/night land surface temperature retrieval algorithm using COMS data *K Hong, M Suh POSTER Abstract
1400	A23C-148	Poster Area (TICC)	Development of 3-D scanning lidar for studying of aerosols land-sea interaction *C Chiang, S K Das, J Nee POSTER Abstract
1400	A23C-149	Poster Area (TICC)	Observation of Vertical Variation of Trace Gases by Using a Scanning LP-DOAS System in the Polluted Boundary Layer in Beijing City *M Qin, P Xie, M Wang, K Dou, J Wang, J Liu, W Liu, Y Wang POSTER Abstract
1400	A23C-150	Poster Area (TICC)	Satellite sensor validation: examples from recent field campaigns *A Larar, D Zhou, X Liu, W Smith POSTER Abstract
1400	A23C-151	Poster Area (TICC)	Profiling low tropospheric temperature by pure rotational Raman lidar in Taipei *W Chen, C C Chou, Y Balin, S Bobrovnikov POSTER Abstract
1400	A23C-152	Poster Area (TICC)	Profiling transboundary aerosols over Taiwan and assessing radiative effects *S Wang, N Lin, M Chou, S Tsay, D M Giles, E J Welton, B Holben POSTER Abstract
1400	A23D	103 (TICC)	Multiscale Organization of Tropical Convection: Year of Tropical Convection (YOTC) II Presiding: D E Waliser, Jet Propulsion Laboratory/Caltech; Y Takayabu; M Moncrieff Print-friendly session details
1400	A23D-01	103 (TICC)	Status and Research Agenda of YOTC *M W Moncrieff, D E Waliser Abstract
1400	A23E	201ABC (TICC)	Recent Progress in Optical Remote Sensing of the Atmosphere and the Ocean II Presiding: J Nee, National Central University; Y Hu, NASA LaRC; W Liu; J Huang, Lanzhou University

Print-friendly session details			
1400	A23E-01	201ABC (TICC)	Thin Cirrus Clouds in the Tropical Tropopause Layer Seen from CALIPSO *Q Fu Abstract
1407	A23D-02	103 (TICC)	The ECMWF-YOTC database *M J Miller Abstract
1418	A23D-03	103 (TICC)	Global nonhydrostatic model simulations of Typhoon 0806 Fengshen by NICAM *M Satoh, T Nasuno, H Taniguchi, H Yamada, W Yanase Abstract
1420	A23E-02	201ABC (TICC)	Cirrus cloud properties studied by ground based lidar and satellite instruments *J Nee, S Das, C Chiang Abstract
1429	A23D-04	103 (TICC)	Tropical intraseasonal oscillations and convection-coupled waves in the western North Pacific during boreal summer *C Sui Abstract
1435	A23E-03	201ABC (TICC)	Characteristics of Tropospheric Column Ozone over Taiwan *E Chiou, J R Ziemke, B N Duncan, C Liu Abstract
1440	A23D-05	103 (TICC)	Structure and Variability of Diabatic Heating Associated with the MJO *C Zhang, J Ling Abstract
1450	A23D-06	103 (TICC)	Low-level Divergence Events and Associated Equatorial Westerly Flow around Sumatra during Passage of Kelvin Waves: Role of Stratiform Convection *J A Ridout, M K Flatau Abstract
1455	A23E-04	201ABC (TICC)	Measurements of Atmospheric Trace Gases with Ground-based and Airborne DOAS in China *P Xie, F Si, J Xu, A Li, J Liu, W Liu Abstract
1500	A23D-07	103 (TICC)	Role of Cloud Resolving Model on MJO simulation of Super Parameterized Community Atmospheric Model *P Mukhopadhyay, D E Waliser, X Xiang, B Tian, B Goswami, E D Maloney, J Benedict, M Khairoutdinov Abstract
1510	A23D-08	103 (TICC)	Vertical Moist Thermodynamic Structure of the MJO in AIRS Observations: An Update and a Comparison to ECMWF Interim Reanalysis *B Tian, D E Waliser, E Fetzer, B Lambrigtsen, Y Yung Abstract
1510	A23E-05	201ABC (TICC)	Aerosol optical depth over South-eastern China and Taiwan using multi-instrument analysis *S K Das, J Nee, C Chiang Abstract
1520	A23D-09	103 (TICC)	The tropical biases in IPCC AR4 climate models *J Lin Abstract

Tuesday Afternoon 2

Time	Session	Location	Title
1600	A24A	201ABC (TICC)	Cloud Precipitation and Radiation and Their Roles in Regional and Global Water and Energy II

			Presiding: J F Li, JPL; K Xu, NASA Langley Research Center Print-friendly session details
1600	A24A-01	201ABC (TICC)	Are climate-related changes to the character of global-mean precipitation predictable? *G L Stephens Abstract
1600	A24B	103 (TICC)	Urban Emission, Flux Measurements, and Air Quality Studies II (joint with H, B) Presiding: T Fu, Hong Kong Polytechnic University; Y Wang; C Park, Texas A&M University Print-friendly session details
1600	A24B-01	103 (TICC)	Improved algorithm for MODIS satellite retrievals of aerosol optical thickness over land in dusty atmosphere: Implications for air quality monitoring in China *J Wang, X Xu, R Spurr, Y Wang, E Drury Abstract
1615	A24A-02	201ABC (TICC)	An Introduction of SoWMEX/TiMREX *B Jou Abstract
1615	A24B-02	103 (TICC)	Aerosol Properties Over East Asian Cities *G Dashnyam, G Liu, T Lin, T Kuo Abstract
1630	A24A-03	201ABC (TICC)	Diurnal variations of summer precipitation over contiguous China *J Li, R Yu, H Chen, W Yuan Abstract
1630	A24B-03	103 (TICC)	Review of Urban Carbon Dioxide Flux Measurements Using Eddy Covariance Technique: Methodological Considerations and Results *M Roth, E Velasco Abstract
1645	A24A-04	201ABC (TICC)	Observations of Ice in Maritime Stratiform Clouds from CALIOP/MODIS Observations *S A Ackermann, R Holz, R E Kuehn Abstract
1645	A24B-04	103 (TICC)	A methodology to estimate urban emissions by direct flux measurements and GIS-based extrapolation *C Park, G W Schade Abstract
1700	A24A-05	201ABC (TICC)	Changes in stratiform clouds of mesoscale convective complex introduced by dust aerosols *B Lin, Q Min, R Li Abstract
1700	A24B-05	103 (TICC)	Chia Plant: An Alternative Sampling Method for Atmospheric $^{14}\text{CO}_2$ *X Xu, M S Carbone, A K Stills, S E Trumbore, J T Randerson Abstract
1715	A24A-06	201ABC (TICC)	Further evidences of expansion of the tropics in recent decades from satellite precipitation and cloud measurements *Y Zhou, W K Lau, Y Sud, K Xu Abstract
1715	A24B-06	103 (TICC)	High Spatiotemporal Resolution Urban Fossil Fuel CO ₂ Emissions Mapping and Modeling: a Pilot Study in Indianapolis, USA *Y Zhou, K Gurney Abstract

Wednesday Morning 1

Time	Session	Location	Title
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0830	A31A	Poster Area (TICC)	Absorbing Aerosols and Their Impacts on Regional Climate: Observational and Modeling Studies I Posters <i>Presiding: Y Gu, University of California, Los Angeles; S Menon</i> Print-friendly session details
0830	A31A-120	Poster Area (TICC)	The Impact of Human-induced Aerosols on the Ocean-Atmosphere Circulation: Results from Targeted Modeling Experiments *T Cowan, W Cai POSTER Abstract
0830	A31A-121	Poster Area (TICC)	The Impact of Detailed Urban Scale Processing on the Simulation of the Global Distribution and Radiative Effects of Anthropogenic Aerosols *J B Cohen, C Wang, R Prinn POSTER Abstract
0830	A31A-122	Poster Area (TICC)	A Mesoscale Analysis of Column-Integrated Aerosol Properties in Northern India during the TIGERZ 2008 Pre-Monsoon Period and a Comparison to MODIS Retrievals *D M Giles, B Holben, S N Tripathi, T F Eck, W W Newcomb, I Slutsker, R R Dickerson, A M Thompson, S Wang, R Singh, A Sinyuk POSTER Abstract
0830	A31A-123	Poster Area (TICC)	Variation of aerosol number concentration by raindrop size distribution in southwestern coastal area, Korea *K Seo, D Lee, S Park, W Jung POSTER Abstract
0830	A31B	Poster Area (TICC)	Atmospheric Sciences General Contributions I Posters <i>Presiding: C Wu, National Taiwan University; W K Lau, NASA GSFC; M Lu, Central Weather Bureau; K S Lam, Hong Kong Polytechnic Univ</i> Print-friendly session details
0830	A31B-124	Poster Area (TICC)	Stable Isotopes in Precipitation and Water Vapor Observed at Ishigaki Island, Okinawa, Japan *K Ichiyangi, Y Iizumi, K Ozawa, A Sugimoto POSTER Abstract
0830	A31B-125	Poster Area (TICC)	Hyperspectrally-resolved surface emissivity derived under optically thin clouds *D K Zhou, A Larar, X Liu, W Smith, L L Strow, P Yang POSTER Abstract
0830	A31B-126	Poster Area (TICC)	High-resolution layer structures observed with multiple-frequency technique of atmospheric VHF/UHF radars *J Chen, G Hassenpflug, M Yamamoto, M Zecha, C Su, Y Chu POSTER Abstract
0830	A31B-127	Poster Area (TICC)	Distribution of atmospheric ozone and its precursors estimated by geostatistical methods in a residential area in Japan *K Yamamoto, T Sasaki, S Araki, M Okumura, S Tohno POSTER Abstract
0830	A31B-128	Poster Area (TICC)	Identifying Surf-produced Sea-Salt Aerosols in Northern Taiwan *T Chen, Y Jeng, J Chen POSTER Abstract
0830	A31B-129	Poster Area (TICC)	Impact of Projected Future Climate Change on Regional Air Quality in The U.S *S Wu, Y Zhang, X Dong, R Leung POSTER Abstract
0830	A31B-130	Poster Area (TICC)	Fan tomography of the tropospheric water vapor derived from GPS slant wet delays: results for the Tahiti Island J Serafini, *J Barriot, L Sichoix POSTER Abstract
0830	A31B-131	Poster Area (TICC)	Seasonal variations in the diurnal cycle of convection in Cameroon-Nigeria and their neighbouring areas *V D Appolinaire POSTER Abstract

0830	A31B-132	Poster Area (TICC)	Gravity wave activities near the mesopause observed by a meteor radar at King Sejong Station (62°S, 57°W), Antarctica Y Kim, *C Lee, J Kim, J Choi, G Jee POSTER Abstract
0830	A31B-133	Poster Area (TICC)	Simultaneous HONO Measurements at the Summit and at a Mountain-slope Site of Whiteface Mountain, New York *X Zhou, N Zhang, U Roychowdhury POSTER Abstract
0830	A31C	Poster Area (TICC)	Atmospheric Sciences General Contributions II Posters Presiding: C Wu, National Taiwan University; W K Lau, NASA GSFC; M Lu, Central Weather Bureau; K S Lam, Hong Kong Polytechnic Univ Print-friendly session details
0830	A31C-134	Poster Area (TICC)	Assessment of Pollutant Outflow by Beach Front Measurements and Modeling of Nonmethane Hydrocarbons *W E Liu, J C Wang POSTER Abstract
0830	A31C-135	Poster Area (TICC)	Cloud optical depth observations from the AERONET new "cloud mode" *C Huang, J Chiu, A Marshak, I Slutsker, D M Giles, Y Knyazikhin, W J Wiscombe POSTER Abstract
0830	A31C-136	Poster Area (TICC)	Spectral radiative signatures near cloud edges: observation, simulation and implication on cloud and aerosol property retrievals *J Chiu, A Marshak, Y Knyazikhin, W J Wiscombe POSTER Abstract
0830	A31C-137	Poster Area (TICC)	The 762nm emissions of sprites in the mesosphere *C Kuo, S Chang, L Lee, S Huang, J Chou, T Huang, A Chen, H Su, R Hsu, L Lee POSTER Abstract
0830	A31C-138	Poster Area (TICC)	Local and Synoptic-scale Characteristics of High- and Low-impact Atmospheric Rivers in California *B Guan, D E Waliser, N Molotch POSTER Abstract
0830	A31C-139	Poster Area (TICC)	Summertime HCHO Measurements in the Mega-City New York *Y Lin, J Schwab, K Demerjian POSTER Abstract
0830	A31C-140	Poster Area (TICC)	A study of the hygroscopic behavior and CCN ability of internally mixed inorganic- organic aerosol particles before and after oxidation *W Lin, H Hung POSTER Abstract
0830	A31C-141	Poster Area (TICC)	Latitude effect and cloud effect in in-flight water *H Katsura POSTER Abstract
0830	A31D	103 (TICC)	Cloud Precipitation and Radiation and Their Roles in Regional and Global Water and Energy III (joint with H) Presiding: B Lin, NASA Langley Research Ctr; W Tao, NASA Print-friendly session details
0830	A31D-01	103 (TICC)	Long-Term ARM Ground-Based Measurements of Clouds and Radiation and Their Applications to Climate Modeling Studies *S Xie, R McCoy, S Klein, Y Zhang Abstract
0830	A31E	201F (TICC)	Precipitation Measurements and Applications I Presiding: W Chen, Chung Cheng Institute of Technology, NDU; W K Lau, NASA GSFC; G Liu; L Liao, UMBC Print-friendly session details
0830	A31E-01	201F (TICC)	Methods and Results for a Global Precipitation Measurement (GPM) Validation Network Prototype *K R Morris, M R Schwaller

			Abstract
0845	A31D-02	103 (TICC)	A global cloud-system resolving simulation and its validation by satellite data sets *H Miura, M Satoh, T Inoue Abstract
0845	A31E-02	201F (TICC)	Comparison of observations from Precipitation Radar/TRMM and ground-based radar in Taiwan *W Chen, S Wnag, S Kuo, J Wang, N Yeh Abstract
0900	A31D-03	103 (TICC)	Toward realistic simulation of low-level clouds using a multiscale modeling framework with a third-order turbulence closure in its cloud-resolving model component K Xu, *A Cheng Abstract
0900	A31E-03	201F (TICC)	A Study on Feasibility of Dual-Wavelength Radar for Identification of Hydrometeor Phases *L Liao, R Meneghini Abstract
0915	A31D-04	103 (TICC)	Evaluations of the Global and Regional Energy and Water Cycles in a Multiscale Modeling Framework System *J Chern, W Tao, B Shen, T Matsui, J F Li, D E Waliser Abstract
0915	A31E-04	201F (TICC)	Calibration and Attenuation Corrections for C-Band Dual-Polarization Radar Observations from the Typhoon Morakot in Taiwan Y Wang, *J Zhang, K Howard Abstract
0930	A31D-05	103 (TICC)	Sensitivity of the South Asian Summer Monsoon Circulation to the Cloud-Radiative Forcing *W Tung, Y Wang Abstract
0930	A31E-05	201F (TICC)	An Evaluation of WRF Model Rainfall Forecasts during the Mei-yu Season in Taiwan *C Wang, F Chien, Y Huang, Y Wang Abstract
0945	A31D-06	103 (TICC)	Radiative Impacts of Precipitating Hydrometeors on Atmosphere Circulation, Cloud Radiative Feedbacks, Hydrometeors and Precipitation *J F Li, D E Waliser, Y Wang, W Tung, T L'Ecuyer, J Chern, W Tao Abstract
0945	A31E-06	201F (TICC)	Effective Estimation of Precipitation Using GEO and LEO Satellite Information *K Hsu, T J Bellerby, S Sorooshian Abstract

Wednesday Morning 2

Time	Session	Location	Title
1030	A32A	103 (TICC)	Analyzing and Modeling Hydrologic Processes in Tropical Climate I (joint with GC) <i>Presiding: C Sui, National Central University; M Satoh; W Tao, NASA</i> Print-friendly session details
1030	A32A-01	103 (TICC)	The Tropical Ocean Warming and the Weakening Tendency of Global and East Asian Monsoon in the past 50 years *T Zhou Abstract
1030	A32B	201F (TICC)	Ocean-Atmosphere Coupling Over the Indo-Pacific Warm Pool I (joint with OS)

Presiding: L Wu; D Sun Print-friendly session details			
1030	A32B-01	201F (TICC)	Simulations of the Indo-Pacific Warm Pool by IPCC Models *D Sun, Y Sun, L Wu Abstract
1045	A32A-02	103 (TICC)	Extreme Rainfall, Tropical Cyclones and Climate Trends *W K Lau, Y Zhou, H Wu Abstract
1045	A32B-02	201F (TICC)	On warm pool formation and maintenance in the western Pacific Ocean *D Hu Abstract
1100	A32A-03	103 (TICC)	Changes of precipitation intensity in the tropics in a warming globe *S C Liu Abstract
1100	A32B-03	201F (TICC)	Sensitivity of Coupled GCM Simulations to the Treatment of Convective Processes *X Wu Abstract
1115	A32A-04	103 (TICC)	What Super-Parameterization Has Taught Us About the MJO *D A Randall, K Thayer-Calder, J Benedict Abstract
1115	A32B-04	201F (TICC)	Distinct Aspects of Air-Sea Interaction Associated with the MJO in the Western Pacific and Indian Oceans *C Zhang Abstract
1130	A32A-05	103 (TICC)	Global cloud-system-resolving simulations of an eastward propagation and a spontaneous onset of the Madden-Julian oscillation *H Miura, M Satoh Abstract
1130	A32B-05	201F (TICC)	Forcing of Indian Ocean Dipole on the Interannual Variations of the Tropical Pacific Ocean *Y Yu, Y Luan, W Zheng, D Yuan Abstract
1145	A32A-06	103 (TICC)	Precipitation equations and their applications *S Gao, X Li Abstract
1145	A32B-06	201F (TICC)	The Maluka Jet and its impact *H Lin, Y Lin, L Hong Abstract

Wednesday Afternoon 1			
Time	Session	Location	Title
1400	A33A	Poster Area (TICC)	Analyzing and Modeling Hydrologic Processes in Tropical Climate II Posters (joint with GC) Presiding: C Sui, National Central University; M Satoh; W Tao, NASA Print-friendly session details
1400	A33A-142	Poster Area (TICC)	Changes of seasonal cycle in precipitation under global warming *C Lan, C Chou POSTER Abstract
1400	A33A-143	Poster Area (TICC)	Widening of Tropical Boundaries as Revealed by the Gross Moisture Stratification *J Yu, Y Chen POSTER Abstract
1400	A33A-	Poster Area	Interannual Variability of the Precipitation During the Monsoon Transient

	144	(TICC)	Season in Central Vietnam *R Maeda, T Tomita POSTER Abstract
1400	A33A-145	Poster Area (TICC)	A data analysis study on the atmospheric disturbances associated with shallow convection over the eastern tropical Pacific *C Yokoyama, Y Takayabu POSTER Abstract
1400	A33A-146	Poster Area (TICC)	Interannual Rainfall Variability Modulated by Monsoon and Tropical Cyclone *J Chen, T Li, C Shih POSTER Abstract
1400	A33A-147	Poster Area (TICC)	Changes in Precipitation Extremes over Taiwan under Global Warming *C Shiu, S C Liu, J Chen POSTER Abstract
1400	A33A-148	Poster Area (TICC)	Changes in Rainfall Characteristics from TRMM 1998-2008 Data *H Wu, W K Lau POSTER Abstract
1400	A33A-149	Poster Area (TICC)	Changes in the characteristics of regional tropical precipitation under global warming *C Chen, C Chou, C Chen POSTER Abstract
1400	A33A-150	Poster Area (TICC)	The Relationship between Precipitation and SST *Y Liao, C Chou POSTER Abstract
1400	A33B	Poster Area (TICC)	Ocean-Atmosphere Coupling Over the Indo-Pacific Warm Pool II Posters (joint with OS) Presiding: L Wu; D Sun Print-friendly session details
1400	A33B-151	Poster Area (TICC)	The MJO-ENSO relationship and its interdecadal variation *S Lee, K Seo POSTER Abstract
1400	A33B-152	Poster Area (TICC)	Heat Budget of the Upper Ocean in the South Central Equatorial Pacific *H Liu, W Lin, M Zhang POSTER Abstract
1400	A33B-153	Poster Area (TICC)	Interannual and interdecadal transport variations of the North Equatorial Current, the Kuroshio, and the Mindanao Current along the Pacific western boundary *R Cai, Q Qi, Q Zhang POSTER Abstract
1400	A33B-154	Poster Area (TICC)	Asymmetry of the Indian Ocean Basin-wide SST Anomalies: Roles of ENSO and IOD *C Hong, T Li, H Lin POSTER Abstract
1400	A33C	Poster Area (TICC)	Precipitation Measurements and Applications II Posters Presiding: J Wang, NASA/GSFC; N Wang, University of Maryland Print-friendly session details
1400	A33C-155	Poster Area (TICC)	The Upper Tropospheric Signatures of Convective Storm from Hyperspectral Infrared Soundings *C Liu, J Li, S A Ackermann POSTER Abstract
1400	A33C-156	Poster Area (TICC)	Combining satellite microwave and infrared data to estimate the instantaneous quantitative precipitation *K Lu, W Chen, J Hu, G Liu POSTER Abstract
1400	A33C-157	Poster Area (TICC)	Estimation of Water vapor, Liquid water and Precipitation by Ground-Based Dual-Polarized Radiometer *N Yeh, J Wang, W Chen, J Hu

			POSTER Abstract
1400	A33C-158	Poster Area (TICC)	Evaluation and Validation of TRMM Microwave Imager Land Algorithms *J Wang POSTER Abstract
1400	A33C-159	Poster Area (TICC)	Recent Development of Passive Microwave Precipitation Algorithm Over Land *N Wang, K Gopalan, R Ferraro POSTER Abstract
1400	A33C-160	Poster Area (TICC)	Impact of the South Asia Low Pressure System on Summer Precipitation over Central India *M J Iqbal, M J Baig POSTER Abstract
1400	A33D	201F (TICC)	Absorbing Aerosols and Their Impacts on Regional Climate: Observational and Modeling Studies II: Observations <i>Presiding: Y Gu, University of California, Los Angeles; H Liao, Institute of Atmospheric Physics; W Cai, CSIRO Marine & Atmospheric Research; C Wang, MIT</i> Print-friendly session details
1400	A33E	103 (TICC)	Atmospheric Sciences General Contributions III <i>Presiding: W K Lau, NASA GSFC; M Lu, Central Weather Bureau; K S Lam, Hong Kong Polytechnic Univ; M F Markowitz, AGU</i> Print-friendly session details
1400	A33E-01	103 (TICC)	Can global warming strengthen the East Asian Summer Monsoon? *J Li, Z Wu Abstract
1405	A33D-01	201F (TICC)	Determination of aerosol single scattering albedo and radiative forcing and simulation of their impact on regional climate across China *Z Li, K Lee Abstract
1415	A33E-02	103 (TICC)	Structure and mechanisms of the Southern Hemisphere summertime subtropical anticyclones *T Miyasaka, H Nakamura Abstract
1425	A33D-02	201F (TICC)	In Situ Measurements of Aerosol Absorption Coefficients in Covilhã, Portugal *S Mogo, V Cachorro, de Frutos Abstract
1430	A33E-03	103 (TICC)	Impacts of climate abnormality on surface environment and its relation to the remarkable increase of dust storms in Hunshdak Sandy lands in northern China during 2001-2008 *T Gao Abstract
1440	A33D-03	201F (TICC)	Synergy of Satellite-Surface Observations for Studying the Properties of Absorbing Aerosols in Asia *S Tsay Abstract
1445	A33E-04	103 (TICC)	Origin of the Pre-Tropical Storm Debby (2006) African Easterly Wave-Mesoscale Convective System *Y Lin, G Tang, J Spinks, W Jones Abstract
1500	A33D-04	201F (TICC)	Component Aerosol Direct Radiative Effect over the Western Pacific Region *X Zhao Abstract
1500	A33E-05	103 (TICC)	An unusual heavy rainfall events over southwestern Taiwan during 2005 Taiwan Mei-Yu season *C Chen, M Yen, C Liu, J Su, H Hu Abstract

1515	A33D-05	201F (TICC)	Identifying Aerosol Type/Mixture from Aerosol Absorption Properties using AERONET *D M Giles, B Holben, T F Eck, A Sinyuk, R R Dickerson, A M Thompson, I Slutsker, Z Li, S N Tripathi, R Singh, G Zibordi Abstract
1515	A33E-06	103 (TICC)	Changes in the seasonal march of East Asian summer monsoon analysed in a 57-year highly resolved daily precipitation dataset *N Yasutomi, A Hamada, K Kamiguchi, O Arakawa, A Yatagai Abstract

Wednesday Afternoon 2

Time	Session	Location	Title
1600	A34A	201F (TICC)	Absorbing Aerosols and Their Impacts on Regional Climate: Observational and Modeling Studies III: Modeling <i>Presiding: H Liao, Institute of Atmospheric Physics; S Menon; Z Li, University of Maryland; X Zhao, NCDC</i> Print-friendly session details
1600	A34A-01	201F (TICC)	Absorbing Soot Aerosols, their Properties, and Climate Change *V Ramaswamy Abstract
1600	A34B	103 (TICC)	Atmospheric Sciences General Contributions IV <i>Presiding: W K Lau, NASA GSFC; M Lu, Central Weather Bureau; K S Lam, Hong Kong Polytechnic Univ</i> Print-friendly session details
1600	A34B-01	103 (TICC)	Estimation on Atmospheric Stability and Flow Characteristics of Planetary Boundary Layer in Wolryong Coastal Region *H Lim, D Lee Abstract
1615	A34B-02	103 (TICC)	Saccharides and furfural as indicators of combustion sources in atmospheric aerosols *T Srithawirat, P Brimblecombe Abstract
1620	A34A-02	201F (TICC)	Black carbon aerosols and snow cover change over the Himalayas *D S Menon, D Koch, G Beig, D Orlikowski Abstract
1630	A34B-03	103 (TICC)	The impact of aerosols on medium range weather forecasts *S Lu, Y Hou, F Yang, H Huang, M Chin, A da Silva, T Diehl Abstract
1633	A34A-03	201F (TICC)	The Impact of Anthropogenic Aerosols on Indian Summer Monsoon *C Wang Abstract
1645	A34B-04	103 (TICC)	Large-Eddy Simulation and k-ε Turbulence Modeling of Pollutant Transfer Coefficient for Street Canyons of Different Aspect Ratios T N Chung, *C Liu Abstract
1653	A34A-04	201F (TICC)	Role of black carbon-induced changes in snow albedo in predictions of temperature and precipitation during a snow storm *H Liao, Y Zhang, Y Yin Abstract
1700	A34B-05	103 (TICC)	Exploring heat island study in a subtropical city *W T Fung, K S Lam Abstract
1706	A34A-05	201F (TICC)	Increasing Anthropogenic Aerosols and the Recent Trends in the Southern Indian Ocean Subsurface Temperature

			*W Cai, T Cowan Abstract
1715	A34B-06	103 (TICC)	Optical and Hygroscopic Properties of Atmospheric Aerosols and the Influence of Aerosol Chemistry *W Wang, Z Li, M J Rood Abstract
1718	A34A-06	201F (TICC)	Direct Climate Effect of Black Carbon in China and its Impact on Dust Storms *Y Gu, K Liou, W Chen, H Liao Abstract

Thursday Morning 1

Time	Session	Location	Title
0830	A41A	Poster Area (TICC)	Special Session on Monsoon Climate Variability and Predictability I Posters (joint with OS, H) Presiding: M Lu, Central Weather Bureau Print-friendly session details
0830	A41A-119	Poster Area (TICC)	Seasonal Prediction of Tropical Cyclone Activity in the Vicinity of Taiwan Using the Bayesian Multivariate Regression Method *M Lu, P Chu, Y Lin POSTER Abstract
0830	A41A-120	Poster Area (TICC)	The CWB Two-Tier Seasonal Climate Forecast System 2009 *M Lu, J Hwu POSTER Abstract
0830	A41A-121	Poster Area (TICC)	Using Optimal Climate Normals in Taiwan Temperature Forecast *C Lee, M Lu POSTER Abstract
0830	A41A-122	Poster Area (TICC)	Persistence Neutralization: Methodology and Applications *Y Lee POSTER Abstract
0830	A41A-123	Poster Area (TICC)	Role of Real-time Forecast of Monsoon Indices in the Global Monsoon Monitoring and Prediction at the NOAA Climate Prediction Center *Q Zhang, S Yang POSTER Abstract
0830	A41B	Poster Area (TICC)	Special Session on Monsoon Climate Variability and Predictability II Posters (joint with OS, H) Presiding: Z Jin Print-friendly session details
0830	A41B-124	Poster Area (TICC)	A Revisit of Surface Wind Speed Records in Xinjiang, China *T Feng, Z Fu POSTER Abstract
0830	A41B-125	Poster Area (TICC)	Asian Monsoon Simulations in IPCC AR4 Models *Y Cho, M Lu POSTER Abstract
0830	A41B-126	Poster Area (TICC)	Decadal to Bi-decadal Rainfall Variability in Taiwan and The Coherent Large-scale Pattern *Y Chen, H Hsu POSTER Abstract
0830	A41B-127	Poster Area (TICC)	Interdecadal Circulation Change in the Indo-Pacific Region during Meiyu season *T Lo, M Lee, H Chia, H Hsu POSTER Abstract
0830	A41B-128	Poster Area (TICC)	Asynchronous changes in the Asian summer and winter monsoons in the eastern Tibetan Plateau during the Holocene

			*X Yu, W Zhou, Z Liu, Z Kang POSTER Abstract
0830	A41C	Poster Area (TICC)	Special Session on Monsoon Climate Variability and Predictability III Posters (joint with OS, H) Presiding: Y Wang Print-friendly session details
0830	A41C-129	Poster Area (TICC)	Interannual Variations of East Asian Trough Axis at 500hPa and Its Association with the East Asian Winter Monsoon Pathway *L Wang, W Chen, W Zhou, R Huang POSTER Abstract
0830	A41C-130	Poster Area (TICC)	Long-term variation of summer rainfall in East Asian and the western North Pacific after 1979 *C Chung, C Chou POSTER Abstract
0830	A41C-131	Poster Area (TICC)	Space time structure of summer monsoon Intra-seasonal Oscillations in the SPCAM *B B Goswami, N J Mani, P Mukhopadhyay, D E Waliser, D A Randall, J Benedict, M Khairoutdinov, B Goswami POSTER Abstract
0830	A41C-132	Poster Area (TICC)	Wave Trapping Mechanism on an Idealized Meiyu-Moisture Front and Scale Selection of MCS *L Gao, F Jin, X Xu POSTER Abstract
0830	A41C-133	Poster Area (TICC)	Baiu in Okinawa: Association with Asian monsoon system and a short break in mid-Baiu period *Y Okada POSTER Abstract
0830	A41D	201ABC (TICC)	Challenging Issues on Tropical Cyclone Research and Forecasts in the Western North Pacific I (joint with OS) Presiding: C Wu, National Taiwan University; M Montgomery; Y Wang, University of Hawaii at Manoa; I Lin; Y Duan Print-friendly session details
0830	A41D-01	201ABC (TICC)	Tropical cyclogenesis within a tropical wave critical layer: Easterly waves *M T Montgomery Abstract
0850	A41D-02	201ABC (TICC)	Tropical cyclone intensification *R K Smith Abstract
0910	A41D-03	201ABC (TICC)	Genesis of Typhoon Chanchu (2006) from a Westerly Wind Burst associated with the MJO *D Zhang, W Hogsett Abstract
0930	A41D-04	201ABC (TICC)	Development and applications of an index for tropical cyclone genesis *M Tippett, S J Camargo, A Sobel, G Vecchi, M Zhao Abstract
0945	A41D-05	201ABC (TICC)	Numerical studies on the roles of mesoscale convective systems during the formation of tropical cyclones *K Cheung, X Lu, Y Duan Abstract

Thursday Morning 2

Time	Session	Location	Title
1030	A42A	201ABC (TICC)	Challenging Issues on Tropical Cyclone Research and Forecasts in the Western North Pacific II (joint with OS)

			Presiding: M Montgomery; C Wu, National Taiwan University; Y Duan; I Lin; Y Wang, University of Hawaii at Manoa Print-friendly session details
1030	A42A-01	201ABC (TICC)	Tropical Cyclone Dressed Ensemble Forecasts Downscaled from ECMWF Ensembles *K Emanuel, R Hoffman, F Vitart, T Nehr Korn, S Hopsch Abstract
1050	A42A-02	201ABC (TICC)	The Vorticity Budget in a Developing Tropical Cyclone *D J Raymond, C Lopez Carrillo Abstract
1110	A42A-03	201ABC (TICC)	Concentric Eyewall Formation in Typhoon Sinlaku (2008) - Integration of T-PARC Observations Based on EnKF Data Assimilation *C Wu, Y Huang, G Lien Abstract
1130	A42A-04	201ABC (TICC)	Tornado potential associated with typhoon Shanshan in 2006 estimated from global ensemble simulation *T Enomoto, A Kuwano-Yoshida Abstract
1145	A42A-05	201ABC (TICC)	Accelerating the spin-up of Local Ensemble Transform Kalman Filter for typhoon assimilation and prediction *S Yang, E Kalnay Abstract

Thursday Afternoon 1			
Time	Session	Location	Title
1400	A43A	Poster Area (TICC)	Challenging Issues on Tropical Cyclone Research and Forecasts in the Western North Pacific III Posters (joint with OS) Presiding: M Montgomery; C Wu, National Taiwan University; Y Duan; I Lin; Y Wang, University of Hawaii at Manoa Print-friendly session details
1400	A43A-134	Poster Area (TICC)	Preliminary Analysis on the Kinematics structure of a convective rainband during the impact of Typhoon Morakot (2009) *C Wei, Y Chuang POSTER Abstract
1400	A43A-135	Poster Area (TICC)	Improved Goddard Microphysics for simulating Typhoon Morakot 2009 *P Lin, W Tao, J Shi, J D Chen POSTER Abstract
1400	A43A-136	Poster Area (TICC)	Analysis into Wave Energy Propagation Features of Typhoon Morakot in 2009 *T Xiao, Y Wu POSTER Abstract
1400	A43A-137	Poster Area (TICC)	Concentric eyewall formation in Typhoon Sinlaku (2008) - Part II: Dynamical analyses *Y Huang, C Wu, J Chen, G Lien POSTER Abstract
1400	A43A-138	Poster Area (TICC)	The influence of Tropical cyclone structure on storm evolution and its interaction with topography *K Chou, C Wu POSTER Abstract
1400	A43A-139	Poster Area (TICC)	On the Contraction of the Hurricane Radius of Maximum Wind *C Q Kieu POSTER Abstract
1400	A43A-140	Poster Area (TICC)	An Alternative Technique to Estimate the Maximum Wind Speed of Tropical Cyclone from Geostationary Satellite Imagery

			*C Chao, G Liu, C Liu POSTER Abstract
1400	A43A-141	Poster Area (TICC)	Application of Dynamical Sensitivity Analysis to Targeted Observations for Tropical Cyclone Track Forecasting *B Hoover POSTER Abstract
1400	A43A-142	Poster Area (TICC)	The Numerical Simulation of the Unusual Track of Typhoon Chanchu (2006) *Y Wang, L Wu, W Hogsett, D Zhang POSTER Abstract
1400	A43A-143	Poster Area (TICC)	Impact of the Upper-Ocean Thermal Structure on Typhoon Intensity Change in a Coupled Atmosphere-Ocean Model *S Sung, C Wu, S Chen POSTER Abstract
1400	A43A-144	Poster Area (TICC)	An effective radius of the sea surface enthalpy flux for the maintenance of tropical cyclone *Y Miyamoto POSTER Abstract
1400	A43A-145	Poster Area (TICC)	Exploring the atmosphere and ocean conditions for the intensification of the twin cat-5 super typhoons in Oct. 1997 *N Chi, I Lin, H Hsu POSTER Abstract
1400	A43A-146	Poster Area (TICC)	Rapid Intensification of the Western North Pacific Supertyphoons *C Yang, I Lin, C Wu, S Chen, S Hui POSTER Abstract
1400	A43B	Poster Area (TICC)	Challenging Issues on Tropical Cyclone Research and Forecasts in the Western North Pacific IV Posters (joint with OS) Presiding: C Wu, National Taiwan University; M Montgomery; Y Wang, University of Hawaii at Manoa; Y Duan; I Lin Print-friendly session details
1400	A43B-147	Poster Area (TICC)	The characteristics of atmosphere-ocean interactions along North Atlantic extratropical storm tracks *Y Yao, W Perrie POSTER Abstract
1400	A43B-148	Poster Area (TICC)	Tropical Indian Ocean Influence on Northwest Pacific Tropical Cyclones in Summer Following Strong El Nino *Y DU, L Yang, S Xie POSTER Abstract
1400	A43B-149	Poster Area (TICC)	Tropical storm variability and its relationship to large-scale modes of climate variability *W Tseng, N Keenlyside, K Hodges POSTER Abstract
1400	A43B-150	Poster Area (TICC)	Pacific Climate Change Science Program (PCCSP): Improving the Understanding of Tropical Cyclone Climatology *Y Kuleshov, D Jones, M Doyle, J Phan, M Schweitzer POSTER Abstract
1400	A43B-151	Poster Area (TICC)	Interdecadal Variability of the Intense Typhoon Activity in Autumn *C Tsou, K Chen, J Huang POSTER Abstract
1400	A43B-152	Poster Area (TICC)	Examining the Typhoon Activity over Western North Pacific *P Chiu, J Yu POSTER Abstract
1400	A43B-153	Poster Area (TICC)	Attribution of long-term variability in tropical cyclone occurrence frequency over the western North Pacific *S Yokoi, Y Takayabu POSTER Abstract

1400	A43B-154	Poster Area (TICC)	Simulation of the typhoon activity over western North Pacific using a regional climate model *Y Feng, C Chou, C Chen, T R Knutson, J J Sirutis, S T Garner, C Kerr, W Chang POSTER Abstract
1400	A43B-155	Poster Area (TICC)	Analysis of Tropical Cyclone Characteristics and its relation to Environmental Conditions Based on IPRC-Regional Climate Model *Y Lu, C Wu, Y Wang POSTER Abstract
1400	A43B-156	Poster Area (TICC)	The analysis of tropical cyclones characteristics in the North-Western Pacific using satellite-, model- and reanalyses data *M Barcikowska, F Feser, H von Storch POSTER Abstract
1400	A43B-157	Poster Area (TICC)	Contribution of tropical cyclones to meridional energy transport *C Lee, C Chou POSTER Abstract
1400	A43B-158	Poster Area (TICC)	The characteristics of lightning activity in the western pacific typhoons during T-PARC *P Lin, Y Wu POSTER Abstract
1400	A43C	Poster Area (TICC)	Challenging Issues on Tropical Cyclone Researches and Forecasts in the Western North Pacific V Posters (joint with OS) <i>Presiding: M Montgomery; Y Wang, University of Hawaii at Manoa; Y Duan; I Lin; C Wu, National Taiwan University</i> Print-friendly session details
1400	A43D	201ABC (TICC)	Special Session on Monsoon Climate Variability and Predictability IV (joint with OS, H) <i>Presiding: H Hsu; J Li</i> Print-friendly session details
1400	A43D-01	201ABC (TICC)	Characteristics and Variabilities of the East Asian Monsoon System *R Huang, J Chen Abstract
1415	A43D-02	201ABC (TICC)	A Positive Feedback Mechanism Responsible for the Development of East Asian Monsoon *G Wu Abstract
1430	A43D-03	201ABC (TICC)	Potential Impacts of East Asian Winter Monsoon on Australian Summer Climate Variability and Predictability *H Zhang Abstract
1445	A43D-04	201ABC (TICC)	The Persistent Cold Anomaly over Southeast Asia in February 2008:Roles of ISO and ENSO *C Hong, T Li Abstract
1500	A43D-05	201ABC (TICC)	Interannual Variability of the Activity and Seasonal Progress of Baiu near Japan *T Tomita, T Hashimoto, T Yamaura Abstract
1515	A43D-06	201ABC (TICC)	Relationships between the tropical SST and summertime subtropical high over the western North Pacific *P Chung, C Sui, T Li Abstract

Thursday Afternoon 2

Time	Session	Location	Title
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1600	A44A	201ABC (TICC)	Special Session on Monsoon Climate Variability and Predictability V (joint with OS, H) <i>Presiding: Y Wang, University of Sussex; C Chou, Academia Sinica</i> Print-friendly session details
1600	A44A-01	201ABC (TICC)	Time-space structure of long-term precipitation trends (1961-2005) in Asian summer monsoon associated with the recent global-scale warming *T Yasunari, S Yoshida Abstract
1615	A44A-02	201ABC (TICC)	Extreme Climate Events in Monsoon Regions and Their Future Changes Simulated by Using High-Resolution Atmospheric Models *A Kitoh Abstract
1630	A44A-03	201ABC (TICC)	The Asian Monsoon in the Super-Parameterized Community Climate System Model *C A DeMott, C Stan, D A Randall, J Kinter, M Khairoutdinov Abstract
1645	A44A-04	201ABC (TICC)	Changes in the winter precipitation regime over China during the last half century *S Wang Abstract
1700	A44A-05	201ABC (TICC)	Long-term Changes in the Depth-Duration Characteristics of Indian Monsoon Rainfall *R Ratan, V Vuruputur Abstract
1715	A44A-06	201ABC (TICC)	Establishing a Reliable 14C Chronostratigraphy of Holocene at Qinghai Lake in China *W zhou, A Jull, X Lu, P Cheng, Z An, S Colman, Y Zhu, H Wang, Q Chen, Z Liu, Z Kang, Z Wu Abstract

Friday Morning 1			
Time	Session	Location	Title
0830	A51A	Poster Area (TICC)	Changing Statistics of Tropical, Midlatitude, and Polar Pacific Storms I Posters (joint with OS) <i>Presiding: H von Storch, GKSS; B Wang</i> Print-friendly session details
0830	A51A-116	Poster Area (TICC)	The Statistical Relationship between Large-scale Climate Parameters and Invading Taiwan Typhoon Frequency with an Application to Future Climate Change Projection *Y Cho, M Lu, Y Lin POSTER Abstract
0830	A51A-117	Poster Area (TICC)	Impact of dynamical downscaling of near-surface marine winds on the prediction of surface waves around Japan *W Sasaki, K Dairaku, S Iizuka POSTER Abstract
0830	A51A-118	Poster Area (TICC)	Assessment of dynamical downscaling in Japan using the Regional Atmospheric Modeling System (RAMS) K Dairaku, R A Pielke Sr., A Beltrán-Przekurat, S Iizuka, *W Sasaki POSTER Abstract
0830	A51B	Poster Area (TICC)	Low-Frequency Variability and Predictability I Posters <i>Presiding: H Hsu; B Yu</i> Print-friendly session details
0830	A51B-119	Poster Area (TICC)	Comparison of Basin-wide Trends in North West Pacific Typhoon Landfall Frequency and Intensity *A Haseemkunj, D Smith

			POSTER Abstract
0830	A51B-120	Poster Area (TICC)	Observation of ULF/VLF electromagnetic emissions related to clusters of earthquakes *V Singh, V Kushwah, B Singh POSTER Abstract
0830	A51B-121	Poster Area (TICC)	Two dominant intraseasonal variability modes over the eastern Pacific ITCZ and their representation in climate models *X Jiang, D E Waliser POSTER Abstract
0830	A51B-122	Poster Area (TICC)	Mechanisms of northward propagating intraseasonal oscillation - A comparison between the Indian Ocean and the western North Pacific *Y Hsueh, C Chou POSTER Abstract
0830	A51B-123	Poster Area (TICC)	Transformed Eddy-PV Flux and Positive Synoptic Eddy Feedback onto Low-Frequency Flow *H Ren, F Jin, J Kug, L Gao POSTER Abstract
0830	A51B-124	Poster Area (TICC)	Changes in Surface Baroclinicity Associated with SST Anomalies in the KOE Region and Their Possible Impacts on the Atmospheric Circulation *K Takaya, H Nakamura POSTER Abstract
0830	A51B-125	Poster Area (TICC)	Surface Perturbation Potential Energy in the Local Atmospheric Energetic Efficiency *L Gao, J Li POSTER Abstract
0830	A51B-126	Poster Area (TICC)	The Time-space Structure of Global Atmospheric Temperature Within a Seasonal Framework *L Hong, H Lin POSTER Abstract
0830	A51B-127	Poster Area (TICC)	Interannual variations and climate change projections of upper tropospheric water vapor in different tropical ocean basins *H Chuang, H Su, X Huang, J H Jiang, W G Read POSTER Abstract
0830	A51B-128	Poster Area (TICC)	Shortcomings in Simulating the ENSO-Atlantic Hurricane Teleconnection in Climate Models J L Shaman, *E D Maloney POSTER Abstract
0830	A51B-129	Poster Area (TICC)	Subtropical dipole mode in the Southern Hemisphere *F Wang POSTER Abstract
0830	A51B-130	Poster Area (TICC)	Tropospheric Rossby Wave Breaking and the Southern Annular Mode *Y Wang, G Magnusdottir POSTER Abstract
0830	A51B-131	Poster Area (TICC)	Identification of a Multi-Decadal Teleconnection Pattern in the Extratropical Northern Hemisphere *M Lee, H Hsu POSTER Abstract
0830	A51B-132	Poster Area (TICC)	A Seven-year Lag Correlation Between Precipitation in South Australia and Antarctic Oscillation *H Guan, C Rofe, C T Simmons, M Tomczak POSTER Abstract
0830	A51C	201ABC (TICC)	Land-Atmosphere Interactions I (joint with H, B) Presiding: C J Meng; J Famiglietti Print-friendly session details
0830	A51C-01	201ABC (TICC)	Land surface/climate Interaction and its Global and Temporal characteristics *Y Xue

			Abstract
0830	A51D	103 (TICC)	Special Session on Monsoon Climate Variability and Predictability VI (joint with OS, H) <i>Presiding: M Lu, Central Weather Bureau; L Goddard, IRI/Columbia University</i> Print-friendly session details
0830	A51D-01	103 (TICC)	Variability and Prediction of the Asian Monsoon in the NCEP Climate Forecast System *S Yang Abstract
0845	A51C-02	201ABC (TICC)	The Land Analysis in the NCEP Climate Forecast System Reanalysis *C J Meng, R Yang, H Wei, M Ek, Y Xia, G Gayno, P Xie, K Mitchell Abstract
0845	A51D-02	103 (TICC)	Predictability and predictions of Indian summer monsoon rainfall using dynamical models *M Tippett, A Robertson, M Kulkarni, O Sreejith, P Sinha, K Ghosh, D Dewitt, D Lee Abstract
0900	A51C-03	201ABC (TICC)	Land-Atmosphere Interaction in the IPCC AR4 Climate Models *T Qian, J Lin, D H Bromwich Abstract
0900	A51D-03	103 (TICC)	Change in predictability of Indian Summer Monsoon on synoptic and subseasonal scales *B Goswami, N J Mani Abstract
0915	A51C-04	201ABC (TICC)	Estimating the Surface Radiation Budget in the Tibetan Plateau using Parameterization of Solar Fluxes over Mountains *W Lee, K Liou Abstract
0915	A51D-04	103 (TICC)	Seasonal Climate forecasts with the FSU Multimodel Superensemble including a downscaling component for the Taiwan region *T N Krishnamurti, K - Vinay, A - Simon, T Aype Abstract
0930	A51C-05	201ABC (TICC)	The role of subsurface hydrologic processes in AGCM precipitation simulations *M Lo, J Famiglietti Abstract
0930	A51D-05	103 (TICC)	Atmospheric Low-Frequency (ISO) Circulation Pattern and Typhoon Track over the Northwestern Pacific *C Li, H Tian Abstract
0945	A51C-06	201ABC (TICC)	The Consistency and Inconsistency of Temperature Changes across the Ground Surface in Taiwan *S Huang, K Wang, Y Peng, C Wang Abstract
0945	A51D-06	103 (TICC)	The Philippine Sea Anticyclone-a Revisit *H Lin, Z Hsieh, Y Lin, L Hong Abstract

Friday Morning 2

Time	Session	Location	Title
1030	A52A	201ABC (TICC)	Challenging Issues on Tropical Cyclone Research and Forecasts in the Western North Pacific V (joint with OS) <i>Presiding: M Montgomery; C Wu, National Taiwan University; Y Duan; I</i>

			Lin; Y Wang, University of Hawaii at Manoa Print-friendly session details
1030	A52A-01	201ABC (TICC)	Study of the Monsoonal Influence on Typhoon Morakot (2009) *L Wu Abstract
1030	A52B	103 (TICC)	Land-Atmosphere Interactions II (joint with H, B) Presiding: C J Meng; J Chen, National Taiwan University; J Famiglietti Print-friendly session details
1030	A52B-01	103 (TICC)	Enhancing the data quality of the LI 7500 open-path CO ₂ / H ₂ O analyzer under foggy conditions with a blowing system - measurements from a Taiwanese cloud forest *T El-Madany, H Chu, F Maneke, C Wu, F Griessbaum, S Chang, Y Hsia, J Juang, O Klemm Abstract
1045	A52B-02	103 (TICC)	Improve large aperture scintillometer estimates of sensible heat flux *X Zhang, X Jia Abstract
1050	A52A-02	201ABC (TICC)	What controls the inner-core size of tropical cyclones? *Y Wang, J Xu Abstract
1100	A52B-03	103 (TICC)	Influences of canopy structure and physiological traits on flux partitioning between under- and over-story in an eastern Siberian boreal larch forest *B Xue, T Kumagai, S Iida, T Nakai, K Matsumoto, H Komatsu, K Otsuki, T Ohta Abstract
1110	A52A-03	201ABC (TICC)	Upper Ocean Thermal Structure of the East China Sea and Its Impact on Typhoon Intensity *I Lin, G Gong, K Emanuel, J Price, C Lien, I Pun, C Wu Abstract
1115	A52B-04	103 (TICC)	Different Multi-fractal Behaviors of Daily Wind Speed Records over China *T Feng, Z Fu Abstract
1130	A52A-04	201ABC (TICC)	The SWICE (South-West Indian ocean tropical Cyclone Experiment) project *F Roux, P Arbogast, P Caroff, C Claud, A Doerenbecher, Y Kuleshov, M Plu, A Protat, A Schwarzenboeck, N Viltard Abstract
1130	A52B-05	103 (TICC)	Boundary layer structure and cloud distribution over heterogeneous soil moisture surfaces *H J Huang, S A Margulis Abstract
1145	A52A-05	201ABC (TICC)	Momentum Budget Evolution of Typhoon Nari (2001) during the Landfall Process *M Yang Abstract
1145	A52B-06	103 (TICC)	The Relationships Between Surface Energy Budget And Boundary Layer Cloud Development Over The United States Mid-Atlantic Region *E Joseph, C Stearns, F Nzeffe, J Fuentes Abstract

Friday Afternoon 1

Time	Session	Location	Title
1400	A53A	Poster Area (TICC)	Land-Atmosphere Interactions III Posters (joint with H, B) Presiding: J Yu, UC Irvine; J Chen, National Taiwan University; C J Meng; J Famiglietti

			Print-friendly session details
1400	A53A-133	Poster Area (TICC)	Summer Season Predictions over America with the NCEP CFS Using Different Land Surface Models and Different Initial Conditions R Yang, K Mitchell, *C J Meng, M Ek POSTER Abstract
1400	A53A-134	Poster Area (TICC)	Impact of urbanization on the precipitation over complex geographic environment in the northern Taiwan C Lin, *W Chen, P Chang, Y Sheng POSTER Abstract
1400	A53A-135	Poster Area (TICC)	The contribution of the land surface during the pre-monsoon season in the inland region of Thailand *M Kiguchi, S Miyazaki, W Kim, S Kanae, T Oki, J Matsumoto, T Satomura POSTER Abstract
1400	A53A-136	Poster Area (TICC)	A Climatology of Urban Augmented Thunderstorms for Cities in the Southeastern U.S *M Bentley, W Ashley, T Stallins POSTER Abstract
1400	A53A-137	Poster Area (TICC)	Impact of Land-surface Inhomogeneity on Thermal Convections over Taiwan *E Kuo, J Chen POSTER Abstract
1400	A53B	Poster Area (TICC)	Land-Atmosphere Interactions IV Posters (joint with H, B) Presiding: J Yu, UC Irvine; J Chen, National Taiwan University; C J Meng; J Famiglietti Print-friendly session details
1400	A53B-138	Poster Area (TICC)	Identifying Parameters to Describe Local Land-Atmosphere Coupling *M Ek, J Santanello, C Jacobs, O Tuinenburg, C J Meng POSTER Abstract
1400	A53B-139	Poster Area (TICC)	Impacts of an improved land surface boundary conditions on unified model simulation over the Korean peninsula *J Kang, M Suh POSTER Abstract
1400	A53B-140	Poster Area (TICC)	Observing subcanopy momentum and energy patterns over a hilly terrain *M Hung, C Wu, J Juang POSTER Abstract
1400	A53B-141	Poster Area (TICC)	An Assessment of Saline Soil Effects on Land Use Activities at Local Scale in Nakhon Panom Province, Thailand *U Seeboonruang POSTER Abstract
1400	A53B-142	Poster Area (TICC)	The Impact of Land Surface Change on Local Mineral Dust Emission *I Fu, J Chen, J Juang, J Lay POSTER Abstract
1400	A53C	103 (TICC)	Changing Statistics of Tropical, Midlatitude, and Polar Pacific Storms II (joint with OS) Presiding: H von Storch, GKSS; B Wang Print-friendly session details
1400	A53C-01	103 (TICC)	Tropical Cyclone Activity in Asia - Past Statistics and Future Projections *J C Chan Abstract
1400	A53D	201ABC (TICC)	Low-Frequency Variability and Predictability II Presiding: H Hsu; B Yu; E D Maloney, Colorado State University; M Ting, Columbia University Print-friendly session details
1400	A53D-01	201ABC (TICC)	Eddy-induced Instability for Low-frequency Variability *F Jin Abstract

1415	A53C-02	103 (TICC)	A 60 year homogeneous reconstruction of TC activity in E Asia, 1948-2007 *H von Storch, F Feser Abstract
1415	A53D-02	201ABC (TICC)	The Madden-Julian Oscillation in an Aquaplanet General Circulation Model *E D Maloney, A Sobel, W Hannah Abstract
1430	A53C-03	103 (TICC)	Co-variability of Tropical Cyclones in the North Atlantic and Eastern North Pacific *C Wang, S Lee Abstract
1430	A53D-03	201ABC (TICC)	Upper-level downstream development of the summertime submonthly wave patterns over the western North Pacific *K Ko, H Hsu Abstract
1445	A53C-04	103 (TICC)	Climate Change and Regional Typhoon Activity *P Chu, X Zhao, J Kim Abstract
1445	A53D-04	201ABC (TICC)	Convectively Coupled Kelvin Waves in a Hierarchy of GCMs *D M Frierson Abstract
1500	A53C-05	103 (TICC)	Climate Control of the Global Tropical Storm Days (1965-2008) *B Wang Abstract
1500	A53D-05	201ABC (TICC)	Intraseasonal Modulation of the North Pacific Storm Track by Tropical Convection in Boreal Winter *Y Deng, T Jiang Abstract
1515	A53C-06	103 (TICC)	Climatologies of the Anticyclonic and Cyclonic Rossby Waves Breaking on the Dynamical Tropopause in the Southern Hemisphere *J Song Abstract
1515	A53D-06	201ABC (TICC)	The Extreme Snowy and Freezing Weather over Southern China in Early 2008 and Its Extended Range Forecast *X Zhi, L Zhang Abstract

Friday Afternoon 2			
Time	Session	Location	Title
1600	A54A	103 (TICC)	Changing Statistics of Tropical, Midlatitude, and Polar Pacific Storms III (joint with OS) <i>Presiding: H von Storch, GKSS; B Wang</i> Print-friendly session details
1600	A54A-01	103 (TICC)	Midwinter Minimum in the North Pacific Storm-Track Activity: Its Dynamics, Model Reproducibility and Future Projection *H Nakamura, K Nishii, T Miyasaka, Y Kosaka Abstract
1600	A54B	201ABC (TICC)	Low-Frequency Variability and Predictability III <i>Presiding: H Hsu; B Yu; E D Maloney, Colorado State University; M Ting, Columbia University</i> Print-friendly session details
1600	A54B-01	201ABC (TICC)	Pacific-Japan Teleconnection Pattern: Its Dynamics, Model-Reproducibility and Future Projection *H Nakamura, Y Kosaka Abstract

1615	A54A-02	103 (TICC)	Possible Future Changes of the Statistics of Severe Extra-tropical Storms over the North Pacific from a Multi-model Ensemble *G C Leckebusch, T Pardowitz, D Renggli, M Donat, U Ulbrich Abstract
1615	A54B-02	201ABC (TICC)	Atlantic Multidecadal Variability and Its Climate Impacts in CMIP3 models and Observations *M Ting, Y Kushnir, R Seager, C Li Abstract
1630	A54A-03	103 (TICC)	Storm Track Response in a Warmer Climate *Y Wu, M Ting, R Seager, H Huang, M A Cane Abstract
1630	A54B-03	201ABC (TICC)	Equatorial Atlantic forcing of the El Niño Southern Oscillation *N Keenlyside, H Ding, M Latif Abstract
1645	A54A-04	103 (TICC)	A Comparison of Two Tracking Methods on Polar Lows *L Xia, M Zahn, F Feser, H von Storch, K Hodges Abstract
1645	A54B-04	201ABC (TICC)	Recent Synchronized Abrupt Warming and Change in Dominant Decadal Mode *T Lo, H Hsu, C Hong Abstract
1700	A54A-05	103 (TICC)	A case study on Polar Low over the Japan Sea *F Chen, B Geyer, M Zahn, H von Storch Abstract
1700	A54B-05	201ABC (TICC)	Changes in equatorial atmospheric zonal circulations in recent decades *B Yu, F Zwiers Abstract
1715	A54A-06	103 (TICC)	Was the North Pacific wintertime climate less stormy during the mid-Holocene? *J C Chiang, Y Fang Abstract
1715	A54B-06	201ABC (TICC)	Improving Seasonal Forecast Skill of North American Surface Air Temperature in Fall Using a Postprocessing Method *X Jia, H Lin, J Derome Abstract

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