

36th Annual Climate Diagnostics and Prediction Workshop, Hilton Ft. Worth, Ft. Worth, TX, October 3-6, 2011

Time	Speaker or Event	Title or Location	
Day 1: Monday, October 3, 2011			
07:00-08:00	Registration & Continental Breakfast	Location: Crystal A	
08:00-08:20	Welcoming Remarks	Wayne Higgins, Bill Proenza, and David Brown	
Session 1: Annual Review of Weather & Climate and Climate Operations			
Chair: Wayne Higgins, CPC			
08:20-08:40	L'Heureux, Michelle	Invited	Overview of the 2010-2011 La Nina Episode
08:40-09:00	Halpert, Mike	Invited	State of the 2010-2011 U.S. Climate and 2011-2012 Outlook
09:00-09:20	Bell, Gerry	Invited	Climate Perspective on the 2011 Atlantic Hurricane Season
09:20-09:40	Chelliah, Muthuvel	Invited	Review of 2011 Global Monsoon Seasons
09:40-10:00	Wang, Bin	Invited	Aspects of MJO Dynamics: An overview of the 2010-2011 activities
10:00-10:20	Morning Break	Location: Crystal Foyer	
Chair: Mike Halpert, CPC			
10:20-10:40	Wang, Wanqiu	Invited	Performance of Climate Model Forecasts during 2010-2011
10:40-11:00	Barnston, Tony	Invited	Skill of Real-Time Seasonal ENSO Model Predictions during 2002-2011; Is Our Capability Increasing
11:00-11:40	Kelly Redmond	Invited	Keynote - Much Ado About Nothing: Whither U.S. Drought?
11:40-13:00	Lunch (On Your Own)		
Session 2: Drought, with Special Emphasis on the 2011 Southern Plains Event			
Chair: David Brown, NCDC/RCS-D-SR			
13:00-13:20	Nielsen-Gammon, John	The 2011 Drought in Texas: Real-Time Monitoring and Historical Perspective	
13:20-13:40	Murphy, Victor	An Assessment of the Texas Drought of 2010-2011 & the Role of Seasonal Forecasts in Helping Stakeholders Make Informed Decisions	
13:40-14:00	Wolter, Klaus	South-Central U.S. Droughts and La Nina	
14:00-14:20	Miskus, David	U.S. Drought Monitoring and Forecasting from a Near-Real Time Operational Aspect	
14:20-14:40	Afternoon Break	Location: Crystal Foyer	
Chair: Victor Murphy, NWS/SR			
14:40-15:00	Xia, Youlong	NLDAS Contributions to the Operational U.S. Drought Monitor and Prediction	
15:00-15:20	Mo, Kingtse	Agricultural Drought Prediction based on Soil Moisture Anomalies	
15:20-15:40	McNutt, Chad	Developing Drought Outlook Forums in Support of a regional Drought Early Warning Information System	
Session 3: Extreme Weather and Climate Events			
Chair: Kingtse Mo, CPC			
15:40-16:00	Pegion, Kathy	Understanding the Statistics of Climate Extremes	
16:00-16:20	Lu, Er	Best Describing Extremes in Terms of Starting Time, Duration, and Intensity	
16:20-16:40	Kayaba, Nobuyuki	Primary Factors Contributing to Japan's Extremely Hot Summer of 2010	
16:40-17:00	Wang, Fang	Comparison of Extreme Precipitation and Its Long-Term Changes between China and the United States	
18:00-20:00	Evening Icebreaker	Location: East Promenade	
Day 2: Tuesday, October 4, 2011			
Session 3: Extreme Weather and Climate Events (continued)			
Chair: Klaus Wolter, CDC			
07:00-08:00	Continental Breakfast	Location: Crystal A	
08:00-08:20	Penland, Cecile	Need for Caution in Interpreting Extreme Weather Statistics	
08:20-08:40	Wang, Shih-Yu (Simon)	The Changing Monsoon Extremes and Dynamics: Example in Pakistan	
08:40-09:00	Tippett, Michael K	Association of U.S. Tornado Counts with the Large-Scale Environment on Monthly Time Scales	
09:00-09:20	Mason, Simon	Seasonal Prediction of Extreme Rainfall Events	
09:20-09:40	Morning Break	Location: Crystal Foyer	
Session 4: Climate Models and Forecast Techniques			
Chair: Xingzhong Liang, University of Maryland			

09:40-10:00	vandenDool, Huug	A Significant Advance in Calculating EOFs from Very Large Data Sets
10:00-10:20	Fu, Joshua	Intraseasonal Predictability of Northern Hemisphere Summer Monsoons & Tropical Cyclogenesis
10:20-10:40	Juang, Henry Hann-Ming	Using Hydrostatic & Non-Hydrostatic Dynamics for Regional Downscaling as Multi-Model Ensembles
10:40-11:00	Kang, Hyun-Suk	Introduction to the KMA Met Office Joint Seasonal Forecasting System & Evaluation of Its Hindcast Ensemble Simulations
11:00-11:20	Klotzbach, Phil	A Simplified Early August Atlantic Basin Seasonal Hurricane Prediction Scheme
11:20-11:40	Liang, Xin-Zhong	CWRF Downscaling Enhancement on Seasonal-Interannual Climate Prediction
11:40-12:00	Goddard, Lisa	A Verification Framework for Interannual to Decadal Prediction Experiment
12:00-13:00	Lunch (On Your Own)	
Chair: Marina Timofeyeva, NWS/OCWWS		
13:00-13:20	Meyer, David	Improvements to and Verification of Intraseasonal to Seasonal Prediction of Tropical Cyclogenesis
13:20-13:40	Wood, Andy	Development of a Seasonal Climate and Stream Flow Forecasting Test Bed for the Colorado River Basin
13:40-14:00	Shin, D W	Alternative Methods for Evaluating Seasonal Rainfall Forecasts
14:00-14:20	Unger, David	Performance Characteristics of Forecasts based upon a Lagged Ensemble from the NCEP Climate Forecast System
14:20-14:40	Wood, Eric F	Enhancing National Hydrological Seasonal Forecasts by Optimally Downscaling CFSv2
14:40-15:00	Stefanova, Lydia	Assessment of the CMIP5 Models: Trend, ENSO, & Atlantic Multidecadal Oscillation in the 20th Century Sea Surface Temperatures
15:00-15:20	Afternoon Break	Location: Crystal Foyer
Chair: Tony Barnston, IRI		
15:20-15:40	Meng, Jesse	Implementation of Land Information System in the NCEP Operational Climate Forecast System
15:40-16:00	Nagasawa, Ryoji	Problem of Cloud Overlap in Radiation Process in JMA Global NWP Model
16:00-16:20	Zhang, Qin	Preliminary Evaluation of Multi-Model Ensemble System for Monthly and Seasonal Prediction
Session 5: Climate Variability and Attributions		
16:20-16:40	Waliser, Duane E	An Update on MJO Task Force Activities and Plans
16:40-17:00	Wang, Wanqiu	Tropical Intraseasonal Rainfall Variability in the CFSR
18:00-20:00	Poster Event Chair: Pingping Xie, CPC	Location: East Promenade
Day 3: Wednesday, October 5, 2011		
Session 5: Climate Variability and Attributions (continued)		
Chair: Cecile Penland, OAR/ESRL		
07:00-08:00	Continental Breakfast	Location: Crystal A
08:00-08:20	Zuo, Zhiyan	Relationship Between Anomalies of Eurasian Snow and Southern China Rainfall in Winter
08:20-08:40	Weaver, Scott	Climatic Role of North American Low-Level Jets on U.S. Regional Tornado Activity
08:40-09:00	Ding, Qinghua	Tropical-Extratropical Teleconnections in Boreal Summer: Observed Interannual Variability
09:00-09:20	Douglas, Michael	Persistent Cloudiness Features over the Southern Ocean Forced by Ocean Bottom Topography
09:20-09:40	Fu, Rong	Decadal Variability of the North American Monsoon Duration and Intensity and Its Potential Causes
09:40-10:00	Morning Break	Location: Crystal Foyer
Chair: Scott Weaver, CPC		
10:00-10:20	Jiang, Xianan	Modulation of TC Activity by the Tropical Intraseasonal Oscillation over the Eastern Pacific in a High Resolution GCM
10:20-10:40	Lee, June-Yi	Metrics for Boreal Summer and Asian Monsoon Intraseasonal Oscillation
10:40-11:00	Riddle, Emily	The Impact of MJO and ENSO on Wintertime Weather Regime Frequency over the Pacific/North American Region
11:00-11:20	Robertson, Andrew W	On the Connection Between Low-Frequency Modulation of Large-Scale Weather Regimes & Springtime Extreme Flooding over US Midwest
11:20-11:40	Jia, Liwei	The Limits of Detecting Forced Responses on Seasonal and Continental Scales
11:40-13:00	Lunch (On Your Own)	
Session 6: Applications of Climate Information and Improved Climate Services		
Chair: Fiona Horsfall, NWS/OCWWS		
13:00-13:20	Hartmann, Holly	CLIMAS-CPC Collaborative Development of an Interactive Web Tool for 3-Month Outlooks
13:20-13:40	Ou, Melissa	Tools, Techniques, and Metrics in Operational Extended and Long-Range Environmental Prediction
13:40-14:00	Timofeyeva, Marina	Monitoring Users Satisfactions of NWS Climate Products and Services

14:00-14:20	Letson, David		Assessing the Value of Climate Predictions in Agriculture using the Stochastic Production Frontier Approach
14:20-14:40	Mason, Simon		Seasonal Forecasting Using the Climate Predictability Tool (CPT)
14:40-15:00	Douglas, Arthur V		An Updated and expanded Version of the WMO-GHCN Data base for Mexico
15:00-15:20	Afternoon Break Location: Crystal Foyer		
Chair: Doug Kluck, NCDC/RCSA-CR			
15:20-15:40	Greene, Arthur M		Stochastic Decadal Simulation: Utility for Water Resource Planning
15:40-16:00	Xie, Pingping		Global Precipitation Diurnal Variations Depicted in the Observation and Reanalyses
16:00-16:20	Njoroge, Rose		Public Polarization on Climate Change Science - What Should be Communicated to the Public
16:20-16:40	Roohr, Peter		Wildland Fire Climate Needs Roundtable
16:40-17:00	Harrison, Mike		Reflections on the Development of Climate Services
18:30-21:00	Buffet Dinner Location: Crystal D		
Featured Speaker	J.D. Granger	Invited	Project Overview of the Trinity River Vision (Presentation starts at 19:30)
Day 4: Thursday, October 6			
Session 7a: CTB PI Reviews - MME			
Chair: Jin Huang, CPC			
07:45-08:30	Continental Breakfast		Location: Crystal A
08:30-08:45	Huang, Jin		An Update on NOAA Climate Test Bed (CTB)
08:45-09:00	Kirtman, Ben		ENSO Prediction with CCSM3 and CCSM4
09:00-09:15	Tippett, Michael K		Recalibrating and Combining Ensemble Predictions
09:15-09:30	Wang, Bin		Multi-Model Ensemble Forecast of MJO: Progress of ISV Hindcast Experiment (ISVHE) and Preliminary Results
09:30-09:45	Schubert, Siegfried		Progress in the Development of Subseasonal Ensemble Forecast techniques
09:45-10:00	Jia, Liwei		Is Unequal Weighting Significantly Better than Equal Weighting for Multi-Model Forecasting
10:00-10:15	Kirtman, Ben		Overview of the US National Multi-Model Ensemble (NMME) ISI Prediction System
10:15-10:30	van den Dool, Huug		The National Multi Model Ensemble (NMME) for Seasonal Prediction at NCEP
10:30-11:00	Morning Break Location: Crystal Foyer		
Session 7b: CTB PI Reviews - CFS Improvement			
Chair: Jin Huang, CPC			
11:00-11:15	Teixeira, Joao		CPT for Improving the Representation of the Stratocumulus to Cumulus Transition in Climate Models
11:15-11:30	Perlitz, Judith		CFS Stratosphere Improvement
11:30-11:45	Wang, Wanqiu		Progress Report: Generation and Evaluation of Long-Term Forecasts with NCEP CFS
11:45-13:00	Lunch (On Your Own)		
Session 7c: CTB PI Reviews - Improving ISI Forecasts and Products			
Chair: Wayne Higgins, CPC			
13:00-13:15	Annamalai, H.		Assessment of CFS Seasonal Forecast over the US Affiliated Pacific Islands
13:15-13:30	Johnson, Nat		A Framework for Incorporating MJO, ENSO, and Storm Track Variability into CPC Probabilistic Extended Range Forecasts
13:30-13:45	Jones, Charles		Spatiotemporal Variations in Extreme Precipitation in the contiguous US and the MJO
13:45-14:00	Kinter, Jim		Enabling the Transition of CPC Products to GIS Format
14:00-14:15	Wood, Eric F		Progress of Enhancing Operational Drought Monitoring & Prediction Products through Synthesis of NLDAS & CPPA Results
14:15-14:30	Lyon, Bradford		Objective, Probabilistic, and Verifiable Seasonal Predictions of Meteorological Drought
14:30-14:45	Hain, Christopher		A GOES Thermal-Based Drought Early Warning Index for NIDIS
14:45-15:00	Zeng, Ning		Predicting Ecosystems and Carbon Cycle using NCEP/CFS Seasonal-Interannual Climate Prediction
15:00-15:15	Afternoon Break Location: Crystal Foyer		
15:15-17:00	Private Meeting of the CTB PIs & SAB Location: Continental		
17:00	Workshop Adjourns		