

Time	Speaker or Event		Title or Location
Day 1: Monday, October 22, 2012			
07:00-08:00	Registration & Continental Breakfast		Location: Salons 3, 4, 6
08:00-08:20	Welcoming Remarks		Mike Halpert & Chris Kummerow
Session 1: Annual Review of Weather & Climate and Climate Operations			
Chair: Mike Halpert (CPC)			
08:20-08:50	Randall Dole	Keynote	Identifying Causes of Weather and Climate Events To Improve Predictions
8:50-9:20	Michelle L'Heureux and Tony Barnston	Invited	ENSO Overview
9:20-9:40	Wassila M. Thiaw	Invited	Global Climate Overview of 2012
9:40-10:00	Melissa Ou	Invited	The hot and dry US Climate of 2012
10:00-10:20	Scott Handel	Invited	Recent Verification of CPC Extended Range Outlooks
10:20-10:40	Morning Break		Location: Atrium
Chair: Chris Kummerow (Colorado State)			
10:40-11:00	Jae Schemm	Invited	Hurricane season overview of 2012
11:00-11:20	Gregory Deemer	Invited	The Current State of Arctic Sea Ice: Trends, Variability, and Implications for the Climate System
11:20-11:40	Marina Timofeyeva		Toward Improving NWS Local and Regional Climate Services
11:40-1:00	Lunch (On Your Own)		
Session 2: The DYNAMO field campaign and the MJO			
Chair: Michelle L'Heureux (CPC)			
1:00-1:30	Eric Maloney	Keynote	Recent advances in understanding MJO Dynamics
1:30-1:50	Meng-Pai Hung		Intraseasonal air-sea fluxes in reanalyses and observations during the DYNAMO period
1:50-2:10	Joshua Xiouhua Fu		Intraseasonal Forecasting of the Madden-Julian Oscillation during DYNAMO/CINDY Period
2:10-2:30	George Kiladis		An OLR Based Index of the Madden Julian Oscillation
2:30-2:50	Carl Schreck		An MJO index for the Western Hemisphere
2:50-3:10	Afternoon Break		Location: Atrium (with refreshments)
Session 3: Tropical variability and prediction			
Chair: S-Y Simon Wang			
3:10-3:30	Xingwen Jiang		Seasonal Prediction of the Asian Monsoon by the NCEP CFSv2
3:30-3:50	Mingyue Chen		SST Impacts on the Seasonal Precipitation over the Tropical Indian Ocean
3:50-4:10	Zeng-Zhen Hu		Weakened interannual variability in the tropical Pacific Ocean since 2000
4:10-4:30	Daniel Barandiaran		The Missing CFSv2 Skill For Rainfall in the Sahel Region
4:30-4:50	Hui Wang		Time Scale of Oceanic Response to ENSO Estimated from Simulations with the NCEP CFS
4:50-5:10	Martin Schroeder		Trend and Variability of Pineapple Express Events Depicted by Seven Global Reanalysis Datasets
6:00-8:00	Evening Icebreaker		Location: Atrium (Cash bar and Complimentary Appetizers)
Day 2: Tuesday, October 23, 2012			
Session 4: Setting up an operational framework			
Chair: Marina Timofeyeva			
07:00-08:00	Continental Breakfast		Location: Salons 3, 4, 6

08:00-08:20	Mike Charles		Adopting a Collaborative Software Development Process in the Scientific Community
08:20-08:40	Jebb Q Stewart		Introduction to the NOAA Earth Information System (NEIS)
08:40-09:00	Marina Timofeyeva		Enhancement of Local Climate Analysis Tool to Better Serve NOAA Staff and Users
09:00-09:20	Cathy Smith		Web-Based Reanalysis Intercomparison Tools (WRIT) to allow easy analysis and comparison of datasets
09:20-9:40	Barbara Mayes Boustead		ENSO, NAO, and Laura Ingalls Wilder: The Story of the Hard Winter of 1880-81
9:40-10:00	Morning Break		Location: Atrium
Session 5: Prediction and attribution of high impact weather and climate events			
Chair: Indrani Pal			
10:00-10:20	Emily Becker		Short-term climate extremes: prediction skill and predictability
10:20-10:40	Imke Durre		Monitoring Climatic Extremes over Global Land Areas with GHCNDEX
10:40-11:00	Bradfield Lyon		Recurrent, Anomalous Circulation Patterns Associated with Mongolian Summertime Rainfall Variability and "Dzud" Events
11:00-11:20	Russ S. Schumacher		Wet weeks in the warm season: Processes supporting widespread multi-day heavy rainfall episodes
11:20-11:40	Klaus Wolter		Was the increased areal extent in U.S. drought conditions predictable for 2012?
11:40-1:00	Lunch (On Your Own)		
Session 6: Prediction and attribution of high impact weather and climate events (cont'd)			
Chair: Jae Schemm			
1:00-1:20	Anthony Barnston		Diagnostics and Flavors of U.S. summer heat waves; the Summers of 2011 and 2012 in Historical Perspective
1:20-1:40	Philip Pegion		Factors in Seasonal to Interannual Variability of U.S. Tornadoic Activity
1:40-2:00	Michael K. Tippett		CFSv2 forecasts of a U.S. monthly tornado index
2:00-2:20	Monika Barcikowska		Changes in Tropical Cyclone activity for the Western North Pacific during the last decades
2:20-2:40	Philip Klotzbach		ENSO, the MJO and Atlantic Basin Rapid Intensification
2:40-3:00	Christopher Landsea		Reanalysis of the Atlantic Hurricane Database - Results from 1851 to 1954
3:00-3:20	Afternoon Break		Location: Atrium (with refreshments)
Session 7: Forecast evaluation			
Chair: Marina Timofeyeva			
3:20-3:40	Dan Gianotti		Establishing Potential Predictability of U.S. Precipitation Using Rain Gauge Data
3:40-4:00	Peitao Peng		A skill comparison among two versions of CFS and CPC's operational short-lead seasonal outlooks
4:00-4:20	Debbie Hudson		Impacts of pseudo-coupled data assimilation and ensemble generation on intraseasonal forecast skill
4:20-4:40	Thomas M Hamill		MJO, ENSO, atmospheric blocking, and their relationships in the 2nd-generation GEFS reforecasts
4:40-5:00	David Meyer		Impact of CFSv1 vs CFSv2 Forcing on Intraseasonal to Seasonal Tropical Cyclone Forecasts
6:00-8:00	Poster Event		Location: Salon 2 (Cash Bar & Complimentary Hors d'oeuvres)
Chair:			
Day 3: Wednesday, October 24, 2012			
Session 8: Improving forecast skill			
Chair: David Unger			
07:00-08:00	Continental Breakfast		Location: Salons 3, 4, 6

08:00-08:20	Kathy Pegion		A Conditional Skill Mask for Improved Seasonal Predictions
08:20-08:40	Andrew Robertson		Combining Sub-seasonal and Seasonal Precipitation Forecasts over Indonesia
08:40-09:00	Dan Collins		Advancing intraseasonal climate forecasts through use of reforecasts
09:00-09:20	Kate Thayer-Calder		Evaluating Downdraft Parameterizations with High Resolution CRM Data
09:20-09:40	Nat Johnson		Incorporating MJO and ENSO information into probabilistic temperature forecasts over North America
09:40-10:00	Jiming Jin		An Improved Climate Dynamical Downscaling at Regional Scales
10:00-10:20	Morning Break		Location: Atrium
Session 9: Improving and evaluating multi-model ensemble forecasts			
Chair: Debbie Hudson			
10:20-10:40	Huug van den Dool		Homogeneous and heterogeneous predictability and forecast skill in MME
10:40-11:00	Emily Becker		Evaluation of Multi-Model Ensemble System for Seasonal and Monthly Prediction
11:00-11:20	David Unger		A Consolidated Seasonal Temperature Forecast based on the National Multi-Model Ensemble
11:20-11:40	Malaquias Pena		International Multi-Model Ensemble: Products and Forecast Skill Assessments
11:40-1:00	Lunch (On Your Own)		
Session 10: Teleconnections and extratropical variability			
Chair: Nat Johnson			
1:00-1:20	David Thompson	Invited	On the leading patterns of variability in the extratropical circulation
1:20-1:40	Emily Riddle		Exploiting the MJO in extended range forecasts for mid-tropospheric circulation anomalies over North American
1:40-2:00	Rebecca Smith		Identifying Connections between Large-Scale Climate Variability and the Local Hydroclimate of the Upper Colorado River Basin
2:00-2:20	Nelun Fernando		Factors driving the persistence of ENSO-led winter rainfall deficits into late-spring and early-summer over Texas
2:20-2:40	Amy Butler		The equal frequency of stratospheric sudden warmings in El Nino and La Nina
2:40-3:00	Jason Furtado		Eurasian Snow Cover, Stratosphere-Troposphere Coupling, and NH Wintertime Climate Variability in CMIP5
3:00-3:20	Afternoon Break		Location: Atrium (with refreshments)
Session 11: Global climate change impacts on seasonal variability and prediction			
Chair: Emily Riddle			
3:20-3:40	David Randall	Invited	The seasonal cycle of Arctic Sea ice in a warming climate
3:40-4:00	Michelle L'Heureux		Tropical Pacific Sea Level Pressure Trends Indicating a Strengthening Walker Circulation
4:00-4:20	S-Y Simon Wang		Is Global Warming enhancing ENSO precursors in the Western North Pacific?
4:20-4:40	Indrani Pal		Magnitude and significance of observed trends in precipitation frequency over the U.S.
4:40-5:00	Paula Gonzalez		Impact of stratospheric ozone depletion on precipitation in South Eastern South America in 20th Century
6:30-9:00	Dinner Banquet		Salons 1, 2, 5
	Kevin Trenberth	KEYNOTE	
Day 4: Thursday, October 25, 2012			
07:00-08:00	Continental Breakfast		Location: Salons 3, 4, 6
Session 12: Drought Monitoring and Data Assimilation			

Chair: Annarita Mariotti			
08:00-08:20	Siegfried Schubert	Invited	An Overview of the NOAA Drought Task Force
8:20-8:40	Jesse Meng		A Retrospective GLDAS for Improved Global Land Surface Climatology
8:40-9:00	Christa Peters –Lidard		The Impact of Soil Moisture and Snow Assimilation on NLDAS Drought Metrics
09:00-09:20	Martha C. Anderson		Use of remotely sensed evapotranspiration maps for monitoring drought impacts at field to continental scales
09:20-09:40	Amir AghaKouchak		A Multi-Index Standardized Drought Monitoring and Prediction Framework
09:40-10:00	Morning Break		Location: Atrium
Session 13: Drought and hydroclimate prediction			
Chair: Christa Peters –Lidard			
10:00-10:20	Xin Zhong Liang	Invited	CWRF Optimized Physics Ensemble Modeling to Advance U.S. Drought Forecasts
10:20-10:40	Eric Wood		Assessment of the NMME system for the prediction of Drought over the NIDIS test beds
10:40-11:00	Kingtse Mo		Do Climate Forecast System (CFSV2) forecasts improve seasonal soil moisture prediction?
11:00-11:20	Randy Koster		Two Topics in Seasonal Streamflow Forecasting: Soil Moisture Initialization Error and Precipitation Downscaling
11:20-11:40	R.W. Arritt		Precipitation intensity in downscaled seasonal forecasts
11:40-12:00	Jin-Ho Yoon		Comparison of regional downscaling methods: dynamic downscaling using MRED vs. statistical downscaling methods
12:00-1:20	Lunch (On Your Own)		
Session 14: Physical mechanisms and case studies for extreme hydroclimate events			
Chair: Siegfried Schubert			
1:20-1:40	Martin Hoerling		Is a Transition to Semi-Permanent Drought Conditions Imminent in the Great Plains?
1:40-2:00	Charles Jones		A case study of predictability of extreme precipitation over the CONUS and the MJO
2:00-2:20	Wenhong Li		Summer precipitation variability over the Southeastern United States analyzed from atmospheric moisture budget
2:20-2:40	Rong Fu		Assessing Future Changes of Drought over South-Central United States in Supporting Regional Water Resource Planning
2:40-3:00	Ben Kirtman		Predictability of 2006-07 Drought in Southeast US
3:00-3:20	Afternoon Break		Location: Atrium (with refreshments)
Session 15: Drought Information and Services			
Chair: Kingtse Mo			
3:20-3:40	Anthony Artusa	Invited	Current and future application of tools for Seasonal Drought Prediction
3:40-4:00	Michael Hayes	Invited	The Role of Monitoring and Prediction within Drought Risk Management
4:00-4:20	Kelly Redmond	Invited	The WestWide Drought Tracker: Drought Monitoring at Fine Spatial Scales
4:20-4:40	Nolan Doesken	Invited	Enhanced drought monitoring and early warning activities in the Upper Colorado River Basin
4:40-5:00	Gregg Garfin	Invited	Drought Communication in the Southwest
5:00-5:20	Mark Svoboda	Invited	Drought as a focal point for climate services: Tools of the trade at the National Drought Mitigation Center
6:00-8:00	Posters and social event		Location: Salon 2 (cash wine bar and complimentary refreshments)

Drought Task Force Meeting - Friday, October 26			* By invitation only
8:00 - 13:00	Meeting Session		Legends Room