Tuesday, October 4, 2016

17:00 – 20:00  Poster Session

**ENSO & Recent Climate Anomalies**

P.1  *A staged communication approach to advising Australian industry on the risk of El Niño or La Niña developing*, Robyn Duell, Felicity Gamble, Andrew Watkins, David Jones, Australian Bureau of Meteorology


P.3  *Understanding the ENSO - Great Plains Low-Level Jet Relationship in the CMIP5 Models*, James F. Danco and Elinor R. Martin, University of Oklahoma

P.4  *Impact of ENSO in different phases of PDO on Moroccan Climate in Winter and Spring*, Atika Kasmi and Samir Saadane, Direction de la Meteorologie Nationale/Morocco

P.5  *Sea Surface Salinity and Surface Chlorophyll Variations During the 2015/2016 El Nino*, Li Ren; Pingping Xie; Shaorong Wu; Arun Kumar, NOAA/NCEP/Climate Prediction Center; INNOVIM, LLC

P.6  *Structure of the 2015-16 El Nino Event in MERRA-2 Including a Comparison with Previous Strong Events*, Young-Kwon Lim, NASA Goddard Space Flight Center, Global Modeling and Assimilation Office

**Prediction, Attribution, and Analysis of High Impact Extreme Climate Events**


P.8  *Anomalous Rainfall in East Asia during summer and Its Association with the Aspect of East Asian Westerly Jet*, QingYun Zhang, Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing

P.9  *Statistical Prediction of Seasonal Tornado and Hail Activity in the United States*, Hui Wang, Kirstin Harnos, and Arun Kumar, NOAA Climate Prediction Center
Variability and change in daily precipitation extremes stemming from north Atlantic
tropical cyclones in the eastern United States, (1)Nirajan Dhakal and (2) Shaleen Jain,
(1) Environmental and Health Sciences Program, Spelman College, (2) Department of
Civil and Environmental Engineering, University of Maine

Enhanced NCEP GLDAS for Real Time Global Drought Monitor, Jesse Meng,
EMC/IMSG

The Roles of Radiative Forcing, Sea Surface Temperatures, and Atmospheric and Land
Initial Conditions in U.S. Summer Warming Episodes, Liwei Jia, GFDL/Princeton
University and Gabriel A. Vecchi, Xiaosong Yang, Richard G. Gudgel, Thomas L.
Delworth, William F. Stern, Karen Paffendorf, Seth D. Underwood and Fanrong Zeng

An operational drought monitoring system for the Caribbean and Central America,
Miliaritiana Robjohon and Wassila Thiaw, NOAA Climate Prediction Center

Enhanced NCEP GLDAS for Real Time Global Drought Monitor, Jesse Meng,
EMC/IMSG

Forecasting The Early March Middle and Lower Mississippi Valley Flooding Event Via
The Recurring Rossby Wave, Joseph Renken, KOPN Radio 89.5FM

The Quantification of Rainfall Needed to Overcome Drought: Study in North Texas,
Jasmine Montgomery, Southern Climate Impacts Planning Program (SCIPP) and Nelun
Fernando, Texas Water Development Board (TWDB)

Arctic Climate Variability & Change

Gridded Climate Products for Applications to Wildland Fire Management in Alaska,
Uma S Bhatt, University of Alaska Fairbanks

Prediction of seasonal Arctic sea ice extent using the NMME, Kirstin Harnos, Michelle
L'Heureux, and Qin Zhang, NOAA Climate Prediction Center and Innovim LLC

Effect of the El-Nino Southern Oscillation on the Relationship between Arctic Oscillation
and Wintertime Temperature over East Asia, Sung-Ho Woo, Hyun-Kyung Kim, So-
Young Yim, Jeongwon Park, Seongeun Lee, APEC Climate Center, KMA

The Rapid Arctic Warming of January 2016: Impacts, Processes, and Predictability,
Simon Wang, Henry Y-H Lin, M.-Y. Lee, and Kathy Pegion, Utah State University

Model & multi-model ensemble predictions & predictability

Exploring the impact of the SST on the extended range forecast using the NCEP Global
Ensemble Forecast System, Wei Li, Yuejian Zhu, Malaquias Peña, Xiaqiong Zhou,
Dingchen Hou, Christopher Melhauser
P.22  *An Analysis of Sesaonal Predictability of SST, Precipitation and Geopotential Height at 200 hPa in NMME Hindcasts*, Bhaskar Jha and Arun Kumar, Innovim LLC and NOAA Climate Prediction Center

P.23  *Seasonal prediction skill of the APCC in-house model retrospective seasonal forecasts*, Suryun Ham, APEC Climate Center

P.24  *Evaluating Fourier predictions of tropical rainfall using both observations and model data*, Carl Schreck, Cooperative Institute for Climate and Satellites - North Carolina (CICS-NC)

P.25  *Evaluation of an NMME-based Hybrid Prediction System for Eastern Pacific Hurricane Season Activity*, Christina Finan, Hui Wang, and Jae-Kyung Schemm, Innovim LLC and NOAA CPC

P.26  *Moisture Mode Processes and MJO Predictability in Coupled NAVGEM/HYCOM Hindcasts*, Matthew Adam Janiga, James Ridout, Maria Flatau, Neil Barton, Carolyn Reynolds, University Corporation for Atmospheric Research

P.27  *Integration of Systems Engineering into Weather-Climate Model Optimization*, Jiayu Zhou and David DeWitt, OSTI/NWS/NOAA and NOAA CPC

P.28  *Large-scale controls on Atlantic tropical cyclone activity on seasonal time scales*, Young-Kwon Lim, NASA Goddard Space Flight Center, Global Modeling and Assimilation Office

P.29  *Assessing the potential of a long-term climate forecast for Cuba using the WRF model*, Lourdes Álvarez-Escudero, Institute of Meteorology, Cuba

P.30  *Characterization of model errors over North America at climate and NWP timescales using the NARCCAP RCM, CMIP5-AMIP and Transpose-AMIP experiments*, Ambarish V Karmalkar, Northeast Climate Science Center, Univ of Massachusetts Amherst

P.31  *Skill and predictability in multimodel ensemble forecasts for Northern hemisphere regions with dominant winter precipitation*, Muhammad Azhar Ehsan, Center of Excellence for Climate Change Research (CECCR), King Abdulaziz University, Jeddah Saudi Arabia

P.32  *GEFS v11 Reforecast and its Applications*, Dingchen Hou, Hong Guan and Yuejian Zhu, EMC/NCEP/NWS/NOAA

P.33  *Objective, temporally and spatially skill-weighted consolidation of dynamical model forecasts for Week-2 outlooks*, Scott Handel, CPC/NCEP

P.34  *Preliminary Results of Evaluation of Week 3-4 Reforecast Data from Environment Canada*, Qin Zhang, Dan Collins and Jon Gottschalck, Climate Prediction Center NCEP/NWS/NOAA
Assessing Performance of Calibrated Multi-Model Ensembles in the 3-4 Week Forecast Period, Kyle MacRitchie, Dan Collins and Jon Gottschalck, Innovim and Climate Prediction Center

Roles of Remote and Local Forcings in the Variation and Prediction of Regional Maritime Continent Rainfall in Wet and Dry Seasons, Tuantuan Zhang, Song Yang, Xingwen Jiang, and Bohua Huang, Sun Yat-sen University; Institute of Plateau Meteorology, China Meteorological Administration; Center for Ocean-Land-Atmosphere Studies

The contribution of high resolution medium range forecast to the improvement of hydro-climate prediction, Li Xu & Kingtse Mo, CPC/NCEP

Observed tropical climate variability influences on North American temperature and precipitation forecasts for weeks 3 and 4, Daniel Harnos, Nathaniel Johnson, Stephen Baxter, Michelle L'Heureux, and Adam Allgood, NOAA/NCEP/NWS/CPC (Harnos, Baxter, L'Heureux, Allgood); NOAA/GFDL/Princeton University (Johnson)

Evaluating CPC’s Long-Lead Climate Outlooks, Stephen Baxter, NOAA/NWS/NCEP/CPC

Climate Events & Risk Management / Climate Services

Early spring ice-out in Maine lakes: Identifying wintertime weather-climate thresholds and ENSO-related climate risk, Mussie T. Beyene & Shaleen Jain, University of Maine

Climate Attribution, Analysis & Reanalysis

Variations of Mid-Atlantic Trough and Associated Climate Anomalies, Mengmeng Lu, Kaiqiang Deng, Song Yang, Guojun Zhou, and Yaheng Tan, School of Atmospheric Sciences, Sun Yat-sen University, Guangzhou, China

A Preliminary Examination of a Conventional ENKF Atmospheric Reanalysis, Wesley Ebisuzaki (1), Arun Kumar (1), Jeffrey Whitaker (2), Jack Woollen (3), Hyun-Chul Lee (1), Leigh Zhang (1), (1) CPC/NCEP, (2) PDS/OAR (3) EMC/NCEP

Initial Assessment of the Conventional Observation Reanalysis, Li Zhang, Arun Kumar, Jeffrey Whitaker, Jack Woollen, Wesley Ebisuzaki, Hyun-Chul Lee, INNOVIM, CPC/NCEP/NWS/NOAA, PSD/OAR/NOAA

Precipitation Diurnal Cycle Depicted in the CMORPH Satellite Observations and Four New Global Reanalyses, Pingping Xie and Shaorong Wu, NOAA Climate Prediction Center
P.45  *Diversity in Global Patterns of Precipitation Variability and Change*, Anne Lausier and Shaleen Jain, Department of Civil and Environmental Engineering - University of Maine

P.46  *Climatic variability in the Sub-Saharan region*, Skyler Jayden Dembe, Green World Uganda (GWU), Masaka, Uganda

P.47  *A Process-level Attribution to the Difference in the Annual Variation of Surface Temperature between the Monsoon and Non-monsoon Regions*, Yana Li, Song Yang, Sun Yat-sen University

P.48  *An analysis of the MJO influence on the rainfall in subtropical coastal areas of East Asia*, Yun-Lan Chen, Chung-Hsiung Sui, Chih-Pei Chang, Wanqiu Wang, CWB, Taiwan; NTU, Taiwan; NCEP/CPC