Agenda
Northeast Regional Operational Workshop XVI
Albany, New York
Wednesday, November 4, 2015

8:30 am
Welcoming Remarks
Raymond G. O'Keefe, Meteorologist In Charge
Warren R. Snyder, Science & Operations Officer
National Weather Service, Albany, New York

Session A – Cold Season Topics

8:40 am
A Multi-scale Analysis of the 26-27 November 2014 Pre-Thanksgiving Snowstorm
Thomas A. Wasula
NOAA/NWS Weather Forecast Office, Albany, New York

9:01 am
Update to Gridded Snowfall Verification: Computing Seasonal Bias Maps
Joseph P. Villani
NOAA/NWS Weather Forecast Office, Albany, New York

9:22 am
Cool-season extreme precipitation events in the Central and Eastern United States
Benjamin J. Moore
Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, Albany, New York

9:43 am
A Case Study of the 18 January 2015 High-Impact Light Freezing Rain Event Across the Northern Mid-Atlantic Region
Heather Sheffield
NOAA/NWS Weather Forecast Office, Sterling, Virginia

10:04 am
The November 26, 2014 banded snowfall case in southern New York
Michael Evans
NOAA / NWS Weather Forecast Office, Binghamton, New York

10:25 am
Break

10:55 am
An analysis of Chesapeake Bay effect snow events from 1999 to 2013
David F. Hamrick
NOAA/NWS Weather Prediction Center, College Park, Maryland

11:16 am
Changes in the Winter Weather Desk Operations at the Weather Prediction Center (WPC), and New Experimental Forecasts
Dan Petersen
NOAA/NWS/NCEP Weather Prediction Center, College Park, Maryland

11:37 am
Applying Fuzzy Clustering Analysis to Assess Uncertainty and Ensemble System Performance for Cool Season High-Impact Weather
Brian A. Colle
School of Marine and Atmospheric Sciences, Stony Brook University,
Stony Brook, New York

11:58 am – Lunch

Session B –UAlbany/NWS CSTAR

1:30 pm
Updated Radar-Based Techniques for Tornado Warning Guidance in the Northeastern United States
Brian J. Frugis
NOAA/NWS Weather Forecast Office, Albany, New York

1:51 pm
Ensemble variability in rainfall forecasts of Hurricane Irene (2011)
Molly B. Smith
Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, Albany, New York

2:12 pm
A Multiscale Analysis of Major Transition Season Northeast Snowstorms
Rebecca B. Steeves
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

2:33 pm
A Composite Analysis of Northeast Severe Weather Events with Varying Spatial Impacts
Matthew Vaughan
Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, Albany, New York

2:54 pm
The 22 December 2013 Cold Air Damming Event across the Hudson River Valley in East-Central New York
Ian R. Lee
NOAA/NWS, Weather Forecast Office, Albany, New York

3:15 pm
Break

Session C – Heavy Rainfall and Hydrology

3:45 pm
Hydrologic Ensemble Forecast Service Revisited
Erick Boehmler
NOAA/NWS Northeast River Forecast Center, Taunton Massachusetts

4:06 pm
A multiscale analysis of three sequentially linked flood-producing heavy rainfall events during August 2014
Lance F Bosart
Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, Albany, New York

4:27 pm
An assessment of local forecaster's ability to anticipate flash flooding using the Hazardous Weather Outlook product at WFO Binghamton, New York
Michael Evans
NOAA/NWS Weather Forecast Office, Binghamton, New York

4:48pm
The Record South Carolina Rainfall Event of 3-5 October 2015:Estimating the Threat Using Average Recurrence Intervals
Charles Ross
NOAA/NWS Weather Forecast Office,State College, Pennsylvania

5:09 pm
The Record South Carolina Rainfall Event of 3-5 October 2015:
NCEP Forecast Suite Success story
John LaCorte
NOAA/NWS Weather Forecast Office, State College, Pennsylvania

5:30 pm
An Examination of "Parallel" and "Transition" Severe Weather/Flash Flood Events
Kyle Pallozzi
Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, Albany, New York

5:51pm
Wrap up
Warren Snyder

6:00pm - Adjourn

Agenda
Northeast Regional Operational Workshop XVI
Albany, New York
Thursday, November 5, 2015

Session D – Modeling/Ensembles/SUNY Stonybrook

8:00 am

Development of a Webpage to Diagnose Ensemble Cyclone Track Uncertainty with Additional Supporting Graphics

Michael Erickson
School of Marine and Atmospheric Sciences, Stony Brook University, Stony Brook, New York

8:21 am

Evaluation of WRF Simulated Multi-bands over the Northeast U.S. Using Varied Initial Conditions and Physics

Sara A. Ganetis
School of Marine and Atmospheric Sciences, Stony Brook University,
Stony Brook, New York

8:42 am

Exploring Multi-Model Ensemble Performance in Extratropical Cyclones over Eastern North America and the Western Atlantic Ocean

Nathan Korfe
School of Marine and Atmospheric Sciences, Stony Brook University,
Stony Brook, New York

9:03 am

Using Model Climatology to Develop a Confidence Metric for Operational Forecasting

Taylor Mandelbaum
School of Marine and Atmospheric Sciences, Stony Brook University, Stony Brook, New York

9:24 am

High Resolution Simulations of an Extreme Precipitation Event over Long Island on 13 August 2014

Nicholas Leonardo
School of Marine and Atmospheric Sciences, Stony Brook University, Stony Brook, New York

9:45 am
Variational Approach to Improve Computation of Sensible Heat Flux over Lake Superior
Zuohao Cao
Meteorological Research Division, Environment Canada, Toronto, Ontario, Canada

10:06 am
Break

10:35 am
Analysis of Two Missed Summer Severe Rainfall Forecasts
Zuohao Cao
Environment Canada, Toronto, Ontario, Canada

10:56 am
Utilization of Hyper-Local Weather Prediction to Increase Grid Resiliency and Accelerate Renewable Integration in Vermont
Rob D'Arienzo
Vermont Electric Power Company, Rutland, Vermont

Session E – General Session

11:17 am
An Integrated Modelling and Observing System for the Study of the Ecology of Lake George in the Jefferson Project
Anthony Praino
IBM Research, Yorktown, New York

11:38 am
Severe Turbulence Associated with a Meso-Low/Gravity Wave Across the New York Terminal Radar Approach Control
Gordon Strassberg
NOAA/NWS Center Weather Service Unit, Ronkonkoma, New York

Noon
Lunch

1:30 pm
A Comparison of LiDAR wind profiles with National Weather Service high-resolution rawinsonde observations
Jeffrey M. Freedman
Atmospheric Sciences Research Center, University at Albany, Albany New York

1:51 pm
The Provincetown IV Ferry Incident of August 13, 2014: Was a Rogue Wave to Blame?
Joseph W. DelliCarpini
NOAA/NWS Weather Forecast Office Taunton, Massachusetts

2:12 pm
The New York State Mesonet: Network Installation and Operations
J. Brotzge
Atmospheric Sciences Research Center, Albany, New York

Session F – Warm Season/Convection

2:33 pm
The August 4, 2015 Severe Weather Outbreak in Southern New England: Two Rare Significant Events Within 12 Hours
Hayden M. Frank
NOAA/NWS Weather Forecast Office, Taunton, Massachusetts

2:54 pm
Using Dual Polarization Radar to Determine Supercell and QLCS Characteristics Just Prior to Tornadogenesis and Tornado Dissipation
Michael L. Jurewicz Sr
NOAA/NWS Weather Forecast Office, Binghamton, New York

3:15 pm
Using Layered Precipitable Water and Other Satellite Derived Datasets to Anticipate High Impact Weather Events (Heavy Precipitation and Severe Weather Applications)
Michael L. Jurewicz Sr
NOAA/NWS Weather Forecast Office, Binghamton, New York

3:45 pm
Break

4:15 pm
Climatology of Polygon-Based Severe Thunderstorm Warnings for New England
Chris Kimble
NOAA/NWS Weather Forecast Office, Gray, Maine

4:36 pm
The July 19, 2015 "Non-Event" in Southern New England: What Happened?
Frank M. Nocera
NOAA/NWS Weather Foreacast Office, Taunton, Massachusetts

4:57 pm
Severe weather events in Southern Brazil and their similarity with events in the United States
Bruno Z. Ribeiro
National Institute for Space Research (INPE), São Paulo, SP, Brazil

5:17 pm
Analyzing the Roles of Low-Level Forcing and Instability in Significant Severe Weather Outbreaks in the Eastern United States.
Neil A. Stuart
NOAA/NWS Weather Forecast Office, Albany, New York

5:38 pm - Wrap Up
Warren R. Snyder

5:45 pm
Adjourn

7:00 pm
CSTAR Dinner at Buca di Beppo Italian Restaurant for Participants in UAlbany-NWS CSTAR V & Proposed VI.
44 Wolf Road, Colonie, New York

NROW XVII is scheduled November 2-3, 2016

At the Nano South Conference Center, Room 103, 255 Fuller Road
On the Campus of the College of Nanoscale Science and Engineering
State University of New York, Albany , New York