Agenda
Northeast Regional Operational Workshop XVIII
Albany, New York
Nano South Conference Center, Room 103, 255 Fuller Road
Wednesday, November 1, 2017

8:30 am
Welcoming Remarks & Conference Logistics
Raymond G. O’Keefe, Meteorologist In Charge
Thomas A. Wasula, NROW XVIII Steering Committee Chair
National Weather Service, Albany, New York

Session A – Extreme Weather Event(s)
8:45 am
Retrospective Analysis of the 1954-55 Hurricane Seasons and Impacts to the Northeast U.S.
Kevin S. Lipton
NOAA/NWS Weather Forecast Office, Albany, New York

9:05 am
A North Pacific Jet Phase Diagram Perspective on Extreme Weather Events During 2016–2017: General Characteristics
Andrew C. Winters
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

9:25 am
A North Pacific Jet Phase Diagram Perspective on Extreme Weather Events During 2016–2017: Illustrative Examples
Lance F. Bosart
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

9:45 am
Hurricane Harvey: The Name Says it All
Rich H. Grumm
NOAA/NWS Weather Forecast Office, State College, Pennsylvania

10:05 am
Morning Break
SUNY Albany AMS selling Refreshments in Nano South Conference Center Rotunda
Session B – Winter Weather Session I
10:30 am
The Major Lake-Enhanced Central New York Snowstorm of November 20-21, 2016
Part 1: Overview, Forecast Tools and Verification
Michael Evans
NOAA/NWS Weather Forecast Office, Albany, New York

10:50 am
The Major Lake-Enhanced Central New York Snowstorm of November 20-21, 2016
Part 2: Comparison with a Historical Analog and Assessing the Importance of
Atlantic Inflow and Lake-to-Lake Connectivity
Michael L. Jurewicz Sr.
NOAA/NWS Weather Forecast Office, Binghamton, New York

11:10 am
Using GAZPACHO to Create Forecast Snowfall Bias/Error Maps Stratified by
Flow Regime
Joseph P. Villani
NOAA/NWS Weather Forecast Office, Albany, New York

11:30 am
Applying Forecast Track Diagnostics in High-Impact Northeast Winter Storms:
Climatology and Case Analysis
Tomer Burg
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

11:50 am
2017-18 Winter Weather Desk Operations at the Weather Prediction Center (WPC)
Dan Petersen
NOAA/NWS/NCEP Weather Prediction Center, College Park, Maryland

12:10 pm –1:40 pm
Lunch

Session C – Severe Weather
1:40 pm
A Rare February Severe Weather Event: The Goshen/Conway, MA EF-1 Tornado
of 25 February 2017
Frank M. Nocera
NOAA / NWS Weather Forecast Office, Boston, Massachusetts
2:00 pm
Total Lightning and Upslope Flow as Predictors of Severe Weather in the Northeast
Brian H. Tang
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

2:20 pm
The 24 July 2017 Overnight Tornadic Supercell in Eastern Maryland
Mitchell W. Gaines
NOAA/NWS, Weather Forecast Office, Mount Holly, New Jersey

2:40 pm
A Multi-Scale Analysis of the 18 May 2017 Severe Weather Event across Eastern New York and Western New England
Thomas A. Wasula
NOAA/NWS Weather Forecast Office, Albany, New York

3:00 pm
Break: SUNY Albany AMS selling Refreshments in Nano South Conference Center Rotunda

Session D – New York Mesonet and Applications
3:20 pm
An Update on the Installation and Operation of the New York State Mesonet
Jerry Brotzge
Atmospheric Science Research Center, Albany, NY

3:40 pm
Correcting Unfixable Error in Gust Forecasts Over New York Using a New Gust Parameterization: Network Average Gust Factor
Alex Gallagher
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

4:00 pm
An Analysis of a Possible New York State Dryline Utilizing the New York State Mesonet
Luke J. Lebel
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York
NROW XVIII Key Note Presentation

4:20 pm
Progress in Forecasting Hazardous Convective Weather with the NCAR-WRF High-Resolution Ensemble
Morris Weisman
NCAR/MMM, Boulder, Colorado

5:10 pm
Wrap up
Thomas A. Wasula

5:15 pm
Adjourn

6:30–9:30 pm
CSTAR Dinner at Brown’s Brewing Company (Trojan Room) for participants in UAlbany–NWS CSTAR VI
417 River Street, Troy, New York
518-273-2337
Agenda
Northeast Regional Operational Workshop XVIII
Albany, New York
Nano South Conference Center, Room 103, 255 Fuller Road
Thursday, November 2, 2017

8:15 am
Opening Remarks
Raymond G. O’Keefe, Meteorologist In Charge
Thomas A. Wasula, NROW XVIII Steering Committee Chair
National Weather Service, Albany, New York

Session E – Winter Weather Session II
8:20 am
The Value of Using Mesoscale Ensembles in Major Winter Storms
Rich H. Grumm
NOAA/NWS Weather Forecast Office, State College, Pennsylvania

8:40 am
The NWS Probabilistic Snowfall Forecast Experiment: 2016-17 Review and Future Plans
Jeff S. Waldstreicher
NOAA/NWS, Eastern Region Science Services Division, Bohemia, New York

9:00 am
Radar Signatures and Surface Observations During Multi-Vehicle Crashes in Snow
Dan B. Thompson

9:20 am
Implementation of NWS Snow Squall Warnings
Peter C. Banacos
NOAA/NWS, Weather Forecast Office, Burlington, Vermont

9:40 am
Communicating Uncertainty Using High Resolution Ensembles & Probabilistic Datasets for an Anomalous Early Season Snow Event in New England
Frank M. Nocera
NOAA / NWS Weather Forecast Office, Boston, Massachusetts

10:00 am
Break: SUNY Albany AMS selling Refreshments in Nano South Conference Center Rotunda
Session F – Ensembles/Modeling
10:20 am
Development of an Uncertainty Tool to Assess Model Forecast Parameters
Taylor Mandelbaum
School of Marine and Atmospheric Sciences
Stony Brook University, Stony Brook, New York

10:40 am
Predictability of Snow Multi-Bands Using a 40-Member WRF Ensemble
Ryan J. Connelly
School of Marine and Atmospheric Sciences
Stony Brook University, Stony Brook, New York

11:00 am
Convection-Permitting Ensemble Forecasts of the 10–12 December 2013 Lake-Effect Snow Event: Sensitivity to Initial and Boundary Conditions
W. Massey Bartolini
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

11:20 am
Justin R. Minder
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

11:40 am
Future NCEP Modeling Plans
Corey Guastini
NOAA/NWS/NCEP/Environmental Modeling Center, College Park, Maryland

Noon-130 pm
Lunch

Session G – Aviation/Verification/Climatologies
1:30 pm
Stratus Decks and Sea Breezes – DSS Challenges at KBOS
Scott Reynolds
NOAA/NWS Center Weather Service Unit, Nashua, New Hampshire
1:50 pm
An Analysis of Lead-Times for Northeast Tornado Warnings 2010-2016
Ethan C. Burwell
Earth & Atmospheric Environmental Sciences
Cornell University, Ithaca, New York

2:10 pm
A Dewpoint Climatology in the Capital District of New York
Cameron R. Paquette
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

2:30 pm
A Climatology of Inverted Troughs over the Gulf of Maine and New England
Joseph E. Cebulko

2:50 pm Break: SUNY Albany AMS selling Refreshments in Nano South Conference Center Rotunda

Session H – Heavy Precipitation/Flash Flooding/Tropical Systems
3:15 pm
Macy E. Howarth
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

3:35 pm
Examination of the Flash Flood Vulnerability Index Using the October 20-21, 2016 Flash Flooding Event in Central Pennsylvania
Joseph Ceru
NOAA/NWS Weather Forecast Office, State College, Pennsylvania

3:55 pm
An Analysis of Large Track Error North Atlantic Tropical Cyclones
Nicholas Leonardo
School of Marine and Atmospheric Sciences
Stony Brook University, Stony Brook, New York

4:15 pm
Global Ensemble Forecasts of Hurricane Irma: Uncertainty Associated with United States Landfall
Rich H. Grumm
NOAA/NWS Weather Forecast Office, State College, Pennsylvania
4:35 – Wrap Up
Thomas A. Wasula

4:45 pm – Adjourn

NROW XIX is scheduled November 7–8, 2018
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 Polytechnic Institute, Albany, New York