

Agenda
Northeast Regional Operational Workshop XVII
Albany, New York
Nano South Conference Center, Room 103, 255 Fuller Road
Wednesday, November 2, 2016

8:30 am

Welcoming Remarks & Conference Logistics

Raymond G. O’Keefe, Meteorologist In Charge
Thomas A. Wasula, NROW XVII Steering Committee Chair
National Weather Service, Albany, New York

Session A – Extreme Weather Event(s)

8:45 am

The 10th Anniversary of the Valentine’s Day Storm of 2007

John S. Quinlan
NOAA/NWS Weather Forecast Office, Albany, New York

9:05 am

**Regime-Dependent Predictability of Extreme Weather Events:
Characteristic Regime Types**

Andrew C. Winters
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

9:25 am

**Regime-Dependent Predictability of Extreme Weather Events:
Representative Cases**

Lance F. Bosart
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

9:45 am

**Factors Contributing to the Heavy Rainfall in the Catskill Mountains Associated
With Hurricane Irene (2011)**

Luke J. Lebel
Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York, Albany, New York

10:05 am

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

10:25 am
Break

Session B – Winter Weather/Cool Season Case Studies

10:40 am

Changes in the Winter Weather Desk Forecasts and Experimental Forecasts at the Weather Prediction Center (WPC)

Dan Petersen

NOAA/NWS/NCEP Weather Prediction Center, College Park, Maryland

11:00 am

The Elevation-Dependence of Snowfall in the Appalachian Ridge and Valley Region of Northeast Pennsylvania

Michael Evans

NOAA/NWS Weather Forecast Office, Binghamton, New York

11:20 am

A GIS-Based Winter Storm Impact Index (WSII) for a Weather-Ready Nation

Andy Nash

NOAA/NWS Weather Forecast Office, Burlington, Vermont

11:40 am

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

12:00 pm

An Examination of the Rare Winter Tornado Event of 24 February 2016

Joe Ceru

NOAA/NWS Weather Forecast Office, State College, Pennsylvania

12:20–1:50 pm

Lunch

Session C – Severe Weather I

1:50 pm

The Nocturnal Severe Weather Outbreak of 25 February 2016 in Southern New England

Frank M. Nocera

NOAA / NWS Weather Forecast Office, Boston, Massachusetts

2:10 pm

An Unusual Morning Severe Weather Event in September: A Review of September 11, 2016

Justin Arnott

NOAA/NWS Weather Forecast Office, Gray, Maine

2:30 pm

Demonstrating an Effective End-To-End Warning Process: The Concord, MA Early Morning EF-1 Tornado of 22 August 2016

Joseph W. DelliCarpini

NOAA/NWS, Weather Forecast Office, Boston, Massachusetts

2:50 pm

Severe Thunderstorm Wind Damage Criteria – Is It Time For A Change?

Joseph P. Villani

NOAA/NWS Weather Forecast Office, Albany, New York

3:10 pm

Examining Methods to Accurately Predict Significant Severe Thunderstorm Wind Damage during the 2016 Severe Weather Season in Upstate New York

Brian J. Frugis

NOAA/NWS Weather Forecast Office, Albany, New York

3:30 pm

Break

Session D – Heavy Rainfall and Flash Flooding

3:50 pm

Improving Situational Awareness for Flash Flood Forecasting in a Small Urban Catchment by Integrating Meteorological Analysis into a Geospatial Framework

John M. Goff

NOAA/NWS Weather Forecast Office, Burlington, Vermont

4:10 pm

A Model Review of the Historic and Devastating West Virginia Floods of 23 June 2016

Rich H. Grumm

NOAA/NWS Weather Forecast Office, State College, Pennsylvania

4:30 pm

A Synoptic Comparison of Two High-Impact Predecessor Rainfall Events: Tropical Storm Lee/Hurricane Katia of September 2011 and Hurricane Joaquin of October 2015

Michael L. Jurewicz Sr.

NOAA/NWS Weather Forecast Office, Binghamton, New York

4:50 pm

The Ellicott City, Maryland, Flash Flood of 30 July 2016: Where Meteorology, Hydrology and Geography Collide

Steven M. Zubrick

NOAA/NWS Weather Forecast Office, Sterling, Virginia

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 XVII
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Nano South Conference Center, Room 103, 255 Fuller Road
Thursday, November 3, 2016

8:00 am

Opening Remarks

Raymond G. O’Keefe, Meteorologist In Charge
Thomas A. Wasula, NROW XVII Steering Committee Chair
National Weather Service, Albany, New York

Session E – Decision Support Services, Testbeds, and Data Networks

8:05 am

The Evolution of Impact-Based Decision Support Services (IDSS) at the Boston CWSU

Scott Reynolds
NOAA/NWS Center Weather Service Unit, Nashua, New Hampshire

8:25 am

Severe Weather Testbed Activities in Southern New England

Joseph W. DelliCarpini
NOAA/NWS, Weather Forecast Office, Boston, Massachusetts

8:45 am

**“Living on the Edge”: Communicating Uncertainty for the 23–24 January 2016
Blizzard in southern New England**

Frank M. Nocera
NOAA/NWS, Weather Forecast Office, Boston, Massachusetts

9:05 am

**Medium Range Forecasting at the Weather Prediction Center (WPC):
An Ensemble Effort in Big Data**

Tony Fracasso
NOAA/NWS/NCEP Weather Prediction Center, College Park, Maryland

9:25am

New York State Mesonet

Jerry Brotzge
Atmospheric Science Research Center, Albany, NY

9:45am

Break

Session F – Ensembles

10:00 am

Toward Operational Convection-Allowing Ensembles over the United States

Craig Schwartz

National Center for Atmospheric Research, Boulder, Colorado

10:20 am

Verification of Multi-Model Ensemble Forecasts of North Atlantic Tropical Cyclones and an Analysis of Large Track Error Cases

Nicholas Leonardo

School of Marine and Atmospheric Sciences

Stony Brook University, Stony Brook, New York

10:40 am

A Review of the CSTAR Ensemble Tools Available for Operations

Brian A. Colle

School of Marine and Atmospheric Sciences

Stony Brook University, Stony Brook, New York

11:00-11:45 am

Round Table Discussion: Current Use of Ensembles in Operations

11:45 am

Lunch

Session G – Lightning, Heat, and Wind

1:15 pm

Use of High-Resolution Lightning Potential Forecasts for Vermont Utility Applications

Rob D'Arienzo

Vermont Electric Power Company, Rutland, Vermont

1:35 pm

Lightning Jumps as a Predictor of Severe Weather in the Northeastern United States

Pamela Eck

Department of Atmospheric and Environmental Sciences

University at Albany, State University of New York, Albany, New York

1:55 pm

A Synoptic Climatology of Excessive Heat Events in the Philadelphia Area

Lance Franck

NOAA/NWS, Weather Forecast Office, Mount Holly, New Jersey

2:15 pm

High Wind Events in Western New York: An Expanded Study and Development of Potential Impact Tables

Shawn Smith

NOAA/NWS, Weather Forecast Office, Buffalo, New York

2:35 pm

A Case Study of Five Unwarned Microbursts across Central New York

Paul Fitzsimmons

NOAA/NWS, Weather Forecast Office, Binghamton, New York

2:55 pm Break

Session H – Severe Weather II

3:15 pm

A Multi-Scale Analysis of the 1 July 2016 Null Tornado Watch across Eastern New York and Western New England

Thomas A. Wasula

NOAA/NWS, Weather Forecast Office, Albany, New York

3:35 pm

The 8 June 2016 Severe Weather Event in the Mid-Atlantic Region

Jared R. Klein

NOAA/NWS, Weather Forecast Office, Mount Holly, New Jersey

3:55 pm

Examination of Recent Mini-Supercell Tornadoic Events in the Tri-State

Patrick Maloit

NOAA/NWS, Weather Forecast Office, New York, New York

4:15 pm

Assessing the Utility of Normalized Rotation in Detecting Tornado Development in the Allegheny Front

Dylan T. Cooper

NOAA/NWS Weather Forecast Office, Charleston, West Virginia

4:35 pm

The Utility of Incorporating Dual-Polarization Radar Signatures into the Tornado Warning Process: ZDR/KDP Separation Considerations in Supercells

Michael L. Jurewicz, Sr.

NOAA/NWS, Weather Forecast Office, Binghamton, New York

4:55 pm - Wrap Up

Thomas A. Wasula

5:00 pm – Adjourn

NROW XVIII is scheduled November 1–2, 2017

**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**