

Agenda
Northeast Regional Operational Workshop XXII
Albany, New York
Virtual Meeting via GotoWebinar
Tuesday, November 9, 2021

8:50 am

Welcoming Remarks & Webinar Logistics

Stephen N. DiRienzo, Acting Meteorologist-in-Charge
Brian J. Frugis, NROW XXII Steering Committee Chair
National Weather Service, Albany, New York

Session A –Winter Weather I (9:00 am to 10:20 am)

9:00 am

Final Appraisal: Evaluating the accuracy of forecaster and model predictions of snowfall in eastern New York and western New England using a GIS application

Joseph P. Villani
NOAA/NWS Weather Forecast Office, Albany, New York

9:20 am

National Weather Service Effort to Improve Snow Squall Warnings and Associated Wireless Emergency Alerts

Michael Muccilli
NOAA/NWS Headquarters, Silver Spring, Maryland

9:40 am

High-Impact Model Biased Right of Track Winter Storms in the northeast United States

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

10:00 am

An overview of the upcoming 2022 Winter Precipitation Type Research Multiscale Experiment (WINTRE-MIX)

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

10:20 am to 10:40 am

Break

Session B – Winter Weather II (10:40 am to 11:20 am)

10:40 am

Weather Prediction Center Winter Weather Desk Updates

Bryan Jackson

NOAA/NWS Weather Prediction Center, College Park, Maryland

11:00 am

Forecast and Impact-Based Decision Support Services (IDSS) Challenges during the February 1-2, 2021 Nor'easter in Southern New England

Rodney Chai

NOAA/NWS Weather Forecast Office, Norton, Massachusetts

Session C – Modeling/NWP I (11:20 am to 12:20 pm)

11:20 am

Snow Multi-Bands in an Idealized Baroclinic Wave Simulation

Nicholas Leonardo

School of Marine and Atmospheric Science, Stony Brook University, Stony Brook, New York

11:40 am

Observed Evolution and WRF Uncertainties of an Amorphous Yet Intense Snow Band during IMPACTS on 7 February 2020

Phillip Yeh

School of Marine and Atmospheric Science, Stony Brook University, Stony Brook, New York

12:00 pm

Ensemble Clustering: Transition to Operations and Comparison of Clustering Approaches

Brian Colle

School of Marine and Atmospheric Science, Stony Brook University, Stony Brook, New York

12:20 pm – 1:40 pm

Lunch

Session D – Use of Observations & Remote Sensing I (1:40 pm to 3:20 pm)

1:40 pm

A COVID Conundrum: An Investigation into Enhanced Methyl Chloroform Measurements

Megan Schiede

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

2:00 pm

Evaluating and Improving Snow Prediction in the National Water Model in New York State using New York State Mesonet Data

Sierra Liotta

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

2:20 pm

New Winter Weather and Profiler Products from the NYS Mesonet

Jerry Brotzge

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

2:40 pm

Characteristics of Enhanced Spectrum Width Layers within Northeast United States Coastal Winter Storms

Erin Leghart

School of Marine and Atmospheric Science, Stony Brook University, Stony Brook, New York

3:00 pm – 3:20 pm

Break

Session E – Hydrology/Flood Messaging (3:20 pm to 4:00 pm)

3:20 pm

Evaluating Flash Flood Warning Communication Using an Immersive Simulation

Jase Bernhardt

Hofstra University, Hempstead, New York

3:40 pm

Findings and Recommendations from Two Tabletop Exercises in Support of the Implementation of Near Real-Time Forecast Flood Inundation Mapping Services in the Northeast U.S.

David R. Vallee

NWS/NOAA Northeast River Forecast Center, Norton, Massachusetts

4:00 pm

Wrap up/Adjourn

Brian J. Frugis

Northeast Regional Operational Workshop XXII
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Wednesday, November 10, 2021

8:55 am

Opening Remarks

Brian J. Frugis, NROW XXII Steering Committee Chair
National Weather Service, Albany, New York

Session F – Use of Observations & Remote Sensing II (9:00 am to 9:40 am)

9:00 am

Relating Surface Wind Observations to the Local Environment Using Airborne Lidar

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

9:20 am

Representativeness of Coastal Stations for Verifying Open-Water 10 Meter Wind Forecasts

Nelson Shum
Meteorological Service of Canada, Toronto, Ontario

Session G – CSTAR Topics (9:40 am to 11:00 am)

9:40 am

CSTAR Update: Assessing Warm Season QPF in High Resolution Ensembles in New England

Rodney Chai
NOAA/NWS Weather Forecast Office, Norton, Massachusetts

10:00 am

Collaborations between the NWS and the University at Albany before and after our move to the ETEC

Michael Evans
NOAA/NWS Weather Forecast Office, Albany, New York
Ross Lazear
University at Albany, State University of New York, Albany, New York

10:20 am

Data Fusion: A Machine Learning Tool for Forecasting Winter Mixed Precipitation Events

Brian Filipiak

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

10:40 am

A Mechanism for Upscale Growth of Convection in the Complex Terrain of the Northeast U.S.

Brennan Stutsrim

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

11:00 am – 11:20 am

Break

Session H – Severe Weather I (11:20 am to 12:20 pm)

11:20 am

Review of the 2021 Tropical Remnant Tornadoes in Southern New England

Joseph W. Dellicarpini

NOAA/NWS Weather Forecast Office, Norton, Massachusetts

11:40 am

The Use of Radar-Based Techniques to Warn for Tornadoes in the Albany Warning Area

Hailey Culwell

Hollings Scholar Student, NOAA/NWS Weather Forecast Office, Albany, New York

12:00 pm

New Visualization Tools to Help Utilize ZDR/KDP Separation and Size Sorting Signals in the Tornado Warning Process

Michael L. Jurewicz, Sr.

NOAA/NWS Weather Forecast Office, State College, Pennsylvania

12:20 pm – 1:40 pm

Lunch

Session I – Severe Weather II (1:40 pm to 3:00 pm)

1:40 pm

Review of the July 21, 2021 “Non Event” in Southern New England

Joseph W. Dellicarpini

NOAA/NWS Weather Forecast Office, Norton, Massachusetts

2:00 pm

The 2 July 2020 Anomalous Severe Weather Event across eastern New York

Thomas A. Wasula

NOAA/NWS Weather Forecast Office, Albany, New York

2:20 pm

Analysis of WSR-88D SAILS Usage on Severe Weather Warning Performance

Joseph W. Dellicarpini

NOAA/NWS Weather Forecast Office, Norton, Massachusetts

2:40 pm – 3:00 pm

Break

NROW XXII Key Note Presentation (3:00 pm to 3:45 pm)

Introduction: Thomas A. Wasula

The Evolving Role of Humans in Weather Prediction and Communication

Neil A. Stuart, Lead Meteorologist

NOAA/National Weather Service, Albany, New York

3:45 pm – Wrap Up/Adjourn

Brian J. Frugis

NROW XXIII is scheduled for November 1–2, 2022