

**Agenda**  
**Northeast Regional Operational Workshop**  
**Albany, New York**  
**Wednesday, November 3, 2010**

**8:30 am**

**Welcoming Remarks**

Raymond G. O'Keefe, Meteorologist In Charge  
Warren R. Snyder, Science & Operations Officer  
National Weather Service, Albany, New York

**Conference Chairs**

Hugh W. Johnson IV, General Forecaster, ALY  
Thomas A. Wasula, General Forecaster, ALY

**Session A – Warm Season Topics Convection**

**8:40 am**

**The May 26-27, 2010 Eastern New York and Western New England Significant Severe Weather Event**

Thomas A. Wasula  
NOAA/NWS, Weather Forecast Office, Albany, New York

**9:05 am**

**A Tale of Two Severe Weather Surprises – The Isolated Outbreak of 16 July 2010 and the Widespread Severe Weather of 17 July 2010**

Neil A. Stuart  
NOAA/NWS Weather Forecast Office, Albany, New York

**9:30 am**

**The Influence of the Elevated Mixed Layer on Record High Temperatures and Severe Weather Over the Northeast US in April and May 2010**

Jason M. Cordeira  
Department of Atmospheric and Environmental Sciences  
University at Albany, State University of New York, Albany, New York

**9:55 am**

**The Impacts of the Strong Subtropical Ridge of 2010**

Kevin S. Lipton  
NOAA/NWS Weather Forecast Office, Albany, New York

**10:20 am**

**Break – Refreshments for sale by Capital Region AMS in the Rotunda**

**10:50 am**

**Improving New York City Thunderstorm Forecasts**

Christina Speciale

Department of Environmental Sciences, Cook College, Rutgers University, New Brunswick,  
New Jersey

**11:15 am**

**Synoptic and Mesoscale Conditions associated with Persisting and Dissipating Mesoscale Convective Systems that Cross Lake Michigan**

Nicholas D. Metz

Department of Atmospheric and Environmental Sciences, University at Albany, State University  
of New York, Albany, New York

**11:40 am**

**Investigation of Lightning Patterns over New Jersey and Surrounding Area**

Alan M. Cope

NOAA/NWS Forecast Office, Mount Holly, New Jersey

**12:05 pm Lunch**

**1:30 pm**

**Morphologic Investigation of Thunderstorm Initiates and GIS Attributes with Testing for Improved Operational Nowcasting of Thunderstorms and their Severity in New Jersey**

Dr. Paul J. Croft, Meteorologist

Programs of Geology & Meteorology, College of Natural, Applied, & Health Sciences  
Keene University, Union, New Jersey

**1:55 pm**

**A "Survey" of Tornadoes and their Environments in the WFO Sterling, VA Forecast Area**

Matthew R. Kramar

NOAA/NWS Weather Forecast Office, Sterling, Virginia

**2:20 pm**

**Observed Inverted V Soundings and Downstream Severe Weather in New York and Pennsylvania**

Michael Evans

NOAA/NWS Weather Forecast Office, Binghamton, New York

**2:45 pm**

**Break – Refreshments for sale by Capital Region AMS in the Rotunda**

## **Session B - Ensemble Forecasting, Modeling & Related Topics**

**3:15 pm**

**Forecast Challenges in the NWS Albany, NY Forecast Area Associated with the Winter Storms of the 2009-2010 Season**

Neil A. Stuart

NOAA/NWS Weather Forecast Office, Albany, New York

**3:40 pm**

**Ensemble Post-Processing and Its Potential Benefits for the Operational Forecaster**

Michael Erickson

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

**4:05 pm**

**An Automated Rossby Wave Packet Tracking Program: Preliminary Climatological and Model Verification Results**

Matthew Souders

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

**4:30 pm**

**An Overview and Update of the HPC Medium Range Forecast Program**

Michael Schichtel

NOAA/NWS Hydrometeorological Prediction Center, Camp Springs, Maryland

**4:55pm**

**Using Short Range Ensemble Forecasts, Climate Anomalies, and High Resolution Model Guidance to Determine the Potential for Tornadoes across Parts of the Ohio Valley, New Jersey and New York City on 16 September 2010**

Josh Korotky

NOAA/NWS, Weather Forecast Office, Pittsburgh, Pennsylvania

**5:20 pm**

**Standard Anomalies to Identify High Impact Weather Events**

Richard H. Grumm

NOAA/NWS Weather Forecast Office, State College, Pennsylvania

**5:45 pm – Adjourn**

**Agenda**  
**Northeast Regional Operational Workshop**  
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**Thursday, November 4, 2010**

**Conference Chairs**

Steve N. DiRienzo, Warning Coordination Meteorologist  
Warren R. Snyder, Science & Operations Officer

**Session C – Decision Support & Related Topics**

**8:30 am**

**Community Environmental Networks for Risk Identification and Management**

Dr. Paul J. Croft, Meteorologist

Programs of Geology & Meteorology, College of Natural, Applied, & Health Sciences  
Keene University, Union, New Jersey

**8:55 am**

**Operational Utilization and Evaluation of a Coupled Weather and Outage Prediction Service for Electric Utility Operations**

B. Hertell

Consolidated Edison, New York, New York

**9:20 am**

**Application Of An Operational Meso-Scale Modeling System For Industrial Plant Energy Operations**

Anthony P. Praino

IBM Thomas J. Watson Research Center, Yorktown Heights, New York

**9:55 am – Break**

**Break – Refreshments for sale by Capital Region AMS in the Rotunda**

## **Session D – Cool Season Topics & Hydrology**

**10:20 am**

### **Microphysical Evolution Within Winter Snow Storms over Long Island, New York**

David Stark

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

**10:55 am**

### **Examining the Damaging New England Windstorm of 25-26 February 2010 as a Shapiro-Keyser Cyclone**

Stacie Hanes

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

**11:20 am**

### **WFO Binghamton Synoptic Flash Flood Classification Study**

Christopher Gitro

NOAA/NWS Weather Forecast Office, Binghamton, New York

**11:45 am**

**Lunch**

## **Session E – CSTAR Part 1 – Projects and CSTAR Related Topics**

**1:15 pm**

### **Predictability of High Impact Weather during the Cool Season over the Eastern U.S: CSTAR Scientific Objectives**

Brian A. Colle

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

**1:40 pm**

### **Predictability of High Impact Weather during the Cool Season over the Eastern U.S: CSTAR Operational Aspects**

Jeffrey Tongue

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

**2:05 pm**

### **A 16-year Climatology of Ice Storms in WFO Albany's County Warning Area and a Comparison of Two Recent Events**

Kevin S. Lipton

NOAA/NWS Weather Forecast Office, Albany, New York

**2:30 pm**

**MCS Organization and Development Along Land/Lake-Induced Thermodynamic Boundaries near Lake Superior**

Alan F. Srock

Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, Albany, New York

**2:55 pm**

**The 2010 “PRE-Season” In Review: A Look at Tropical Cyclones Earl, Hermine, and Nicole**

Michael L. Jurewicz, Sr.

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

**3:20 pm**

**Southerly or ‘Reverse’ Mohawk Hudson Convergence Cases**

Hugh Johnson and Kimberly McMahan

NOAA/NWS Weather Forecast Office Albany, New York

**3:45 pm**

**Break – Refreshments for sale by Capital Region AMS in the Rotunda**

**Session F – Keynote Presentation**

Introduction – Warren R. Snyder

**4:10 pm**

**An Overview of the Northeast River Forecast Operations and Services and its migration to the Community Hydrologic Prediction System; “It’s not your Grandfather’s RFC anymore”!**

David R. Vallee

NOAA/NWS Northeast River Forecast Center, Taunton, Massachusetts

**5:45pm**

**Adjourn**

**Agenda**  
**Northeast Regional Operational Workshop**  
**Albany, New York**  
**Friday, November 5, 2010**

**Conference Chairs**

Joe P. Villani, General Forecaster, ALY

Warren R. Snyder, Science & Operations Officer

**Session G - CSTAR Part 2 – Projects and CSTAR Related Topics**

**8:30 am**

**Synoptic and Mesoscale Processes associated with Predecessor Rain Events ahead of Tropical Cyclones**

Benjamin J. Moore

Cooperative Institute for Research in the Environmental Sciences, University of Colorado, Boulder Colorado

**8:55 am**

**The Impact of the Saint Lawrence Valley on the Precipitation Distribution Associated with Extratropical Transitions, 1979-2008**

Giselle C. Dookhie

Department of Atmospheric & Oceanic Sciences, McGill University, Montreal, Quebec, Canada

**9:20 am**

**Extreme Weather Events over the Northern Hemisphere during Winter 2009-2010**

Lance F. Bosart

Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, Albany, New York

**9:45 am**

**Break – Refreshments for sale by Capital Region AMS in the Rotunda**

**10:10 am**

**Forecasting the Inland Extent of Lake-Effect Snow Bands**

Joseph P. Villani

NOAA/NWS, Weather Forecast Office, Albany New York

**10:35 am**

**Use of the Albany Hail Study to Predict Large Hail During the 21 July 2010 Severe Weather Event**

Brian J. Frugis

NOAA/NWS Weather Forecast Office, Albany, New York

**11:00 am**

**High-Impact Weather and Reduced Predictability over the United States Associated with the Recurvature of Western North Pacific TC Malakas (2010)**

Heather M. Archambault

Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, Albany, New York

**11:25 am**

**Closing Remarks**

**11:35 pm**

**Adjourn**

**NROW XIII will be held for 3 full days, Tuesday November 1 through Thursday 3, 2011**