MMM SEMINAR SERIES

EOL SEMINAR *EOL*

First 3-D New York State Mesonet

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The New York State Mesonet (NYSM) consists of 125 stations across the state with an average spacing of 19 miles when completed. All stations make 5-min measurements of standard meteorological variables plus total solar radiation, soil moisture and temperature at three levels and snow depth, and have cameras to capture images every 5 minutes 24/7. In addition, the NYS Mesonet will have three sub-networks ("Enhanced", "Flux", and "Snow") comprised of 17, 17, and 20 sites to provide atmospheric vertical profiles, the surface energy budget, and snow depth and snow water equivalent, respectively. It makes NYSM the ***first 3-D*** Mesonet to provide temperature, humidity and wind measurements in the lower atmosphere, the ***first complete snow*** network, the ***first dedicated flux*** measurements, and the ***first camera-equipped*** Mesonet. With about one-quarter of the network now operational, the entire network is expected to be completed by late fall 2016. This talk will give an overview of NYSM and highlight several aspects of the network, including data quality control, unique weather and climate features and model evaluations.

This seminar will be webcast live at:
http://www.fin.ucar.edu/it/mms/fl-live.htm

Recorded seminar link can be viewed here:
https://www.mmm.ucar.edu/events/seminars

Thursday, 28 April 2016, 3:30 PM
Refreshments 3:15 PM
NCAR-Foothills Laboratory
3450 Mitchell Lane
Bldg 2 Main Auditorium, Room 1022