

Operational use of data from the New York Mesonet at WFO Albany, New York

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Data from the New York State Mesonet have been utilized by National Weather Service (NWS) Forecast Offices, including the office at Albany, New York (WFO ALY), since 2017. The data are currently available in real-time to NWS forecasters, both online and also on Advanced Weather Interactive Processing System (AWIPS) workstations. Online output is available in a wide range of display formats, including single station summaries, webcams, graphical analyses of a wide range of observed parameters, and output from atmospheric profilers. This presentation provides examples of several of the more widely-used displays during high-impact weather events. Examples include use of the webcams and analyses of snow depth change during winter storms, profilers and situational awareness displays including maximum wind gusts during severe weather events, and precipitation maps during a flooding case. It will be shown that in all of these cases, use of the mesonet data provided forecasters with increased situational awareness, leading to improved forecasts and warnings.