

Weather Station For Gathering Atmospheric Data Deployed On Field Station Roof

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EAST ALTON – Visitors to the National Great Rivers Research and Education Center's Jerry F. Costello Confluence Field Station will notice a new addition atop its iconic green roof.

A weather station, specifically called a Mesonet station, from the Department of Earth and Atmospheric Sciences at Saint Louis University, was recently installed by NGRRECsm Post-Doctoral Research Associate Teresa Baraza, PhD, and Doctoral Student Ryan Kelly.

"We are excited to be able to bring this collaboration to fruition," Baraza said. "The NGRREC field station is a great location for a Mesonet station that can yield useful and reliable weather data, so this is a great opportunity for both institutions".

The goal of this weather station is to continuously collect real-time data on temperature, pressure, moisture, rain fall, solar radiation and wind speed. The station will record each of these metrics every minute, giving researchers a more complete picture of weather fluctuations in the area.

These data will contribute to an ongoing weather observation project, which consists of a larger network of Mesonet stations placed across the greater St. Louis area.

For more information about the station and data access, please reach out to Baraza at tbarazapiazuelo@lc.edu.