

## Early Career Researcher and PMM Science Team member, Dr. Diego Cerrai, leads GPM GV Campaign at UCONN

*Data and Information:*  
[Wintertime Precipitation Observations over Connecticut UCONN\\_2025](#)



*UCONN Field site: GPM GV instruments include K-band and W-band profiling radars and Ka-Ku band scanning radars, weighing and tipping bucket pluviometers, laser disdrometers, and high-speed and high-resolution cameras. Credit: D. Cerrai*

**GPM Infrastructure**

**Application Solutions**

**Public Societal Benefits**

- GPM GV wintry precipitation instruments were deployed near the University of Connecticut’s campus as part of the fourth consecutive year of the NASA GV Field Campaign at UCONN to capture U.S. East coast winter storm systems.
- The unprecedented amount and set of information gives insights into snowfall amount and rate, microphysical properties of snow (shape, size, and structure) and vertical profiles of snowfall.
- The information collected will help “ground truth” GPM satellite data products, resolve errors across instruments and elucidate microphysical precipitation schemes.
- The data will further be used to support the energy sector, by providing power outage advisories to companies across the northeastern U.S..



*Dr. Diego Cerrai in the field at UCONN.*