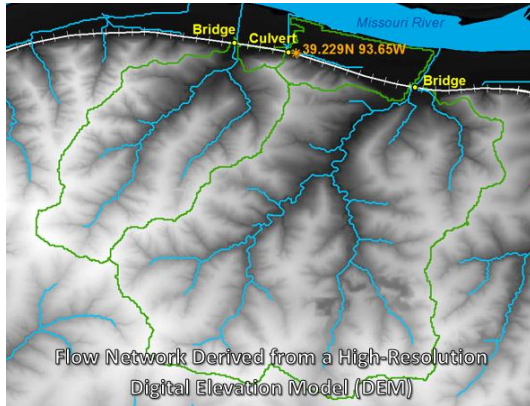
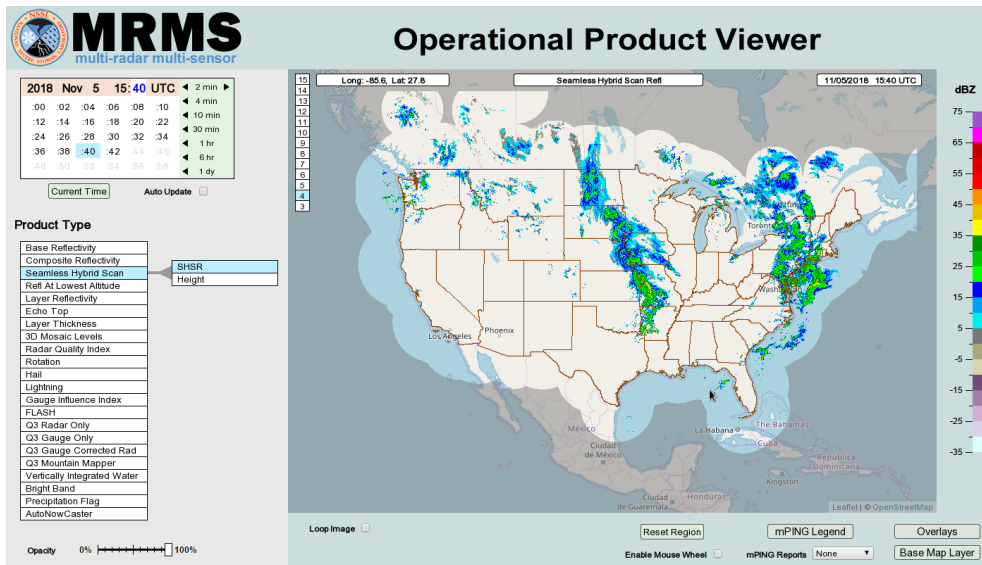


The Applied Computing for the Meteorological Enterprise (ACME) team is made up of a diverse group of people who help transition ideas and prototypes into applications and processes that are used in daily operations. Our efforts are applied in a variety of areas within CIMMS and NSSL.



The ACME team provides GIS data and analysis, assembling and deriving the geospatial data sets necessary for algorithms and display in the MRMS and FLASH operational systems. Geospatial analysis also plays a key role in siting of traditional, mobile, and stratosphere radars, identifying areas of non-standard blockage (including wind turbine clutter) in radar precipitation products, and illuminating the infrastructure and societal factors that impact human response to hazards.

ACME assists in the software development for WDSS-II, and MRMS. WDSS-II is the second generation of a suite of algorithms and displays for severe weather analysis, warnings and forecasting. The MRMS project builds on top of WDSS-II, and utilizes an automated system that rapidly and intelligently integrates data from multiple radars, surface observations, numerical weather prediction (NWP) models, and climatology to generate seamless, high spatio-temporal resolution mosaics.



The real time operational MRMS products are available from NCEP Central Operations for viewing through an online Operational Product Viewer (OPV) developed by ACME team members.

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