

Operational WRF Ensemble Updates at the US Air Force's 16th Weather Squadron

Burkely Gallo, Evan Kuchera, Scott Rentschler, Glenn Creighton, Andrew Elliott, and Matthew Vaughan; 16 WS, Offutt AFB, NE

The 16th Weather Squadron is charged with providing environmental modeling data and information 24/7 to support United States and allied military decision making worldwide. This presentation will detail the WRF ensembles currently in operations and discuss development and evaluation of configurations destined for future operations. It will also review the methods and products used to produce tailored decision insights for supported missions. Information about key enablers such as computing systems and software management, to include recent work on leveraging on-demand cloud computing, will also be presented.