

The Environmental Modeling Center and Aviation Weather Support

- The NOAA Environmental Modeling Center develops, implements, and maintains the suite of numerical environmental model forecast systems for the United States
- The Verification, Post-Processing, and Product Generation Branch evaluates the systems and supports model products
- EMC supports international treaty level efforts via ICAO and World Area Forecast System (WAFS) products
- The model suite produces specific aviation weather variables (turbulence, icing, ceiling, visibility, etc.) as well as general weather that impacts aviation (temperature, wind, etc.)
- The EMC model suite will evolve over the next several years into consolidated systems based on the new FV3 dynamic core