

CIMMS Team at the Storm Prediction Center

The Storm Prediction Center (SPC) is part of the National Weather Service (NWS) and the National Centers for Environmental Prediction. Our mission is to provide timely and accurate forecasts and watches for severe thunderstorms and tornadoes over the contiguous United States. The SPC also monitors hazardous winter weather and fire weather events across the U.S. and issues specific products for those hazards.

CIMMS researchers are housed within the SPC's Science and Support Branch. CIMMS personnel conduct a wide range of activities that contribute to the SPC's mission, including:

- 1.) Collaborating with other parts of NOAA and the NWS (and other federal agencies) to ensure that our forecasters have access to the latest information and technologies from across the government and that our forecasts are serving the needs of our governmental partners;
- 2.) Engaging in research projects to improve SPC's operational forecasts, by improving current forecast guidance or developing new types of forecast guidance; and
- 3.) Supporting critical SPC activities, including forecaster training, the Hazardous Weather Testbed, forecast verification, and development of new software.

CIMMS activities at the SPC are part of CIMMS's "Forecast Improvements Research and Development" theme.

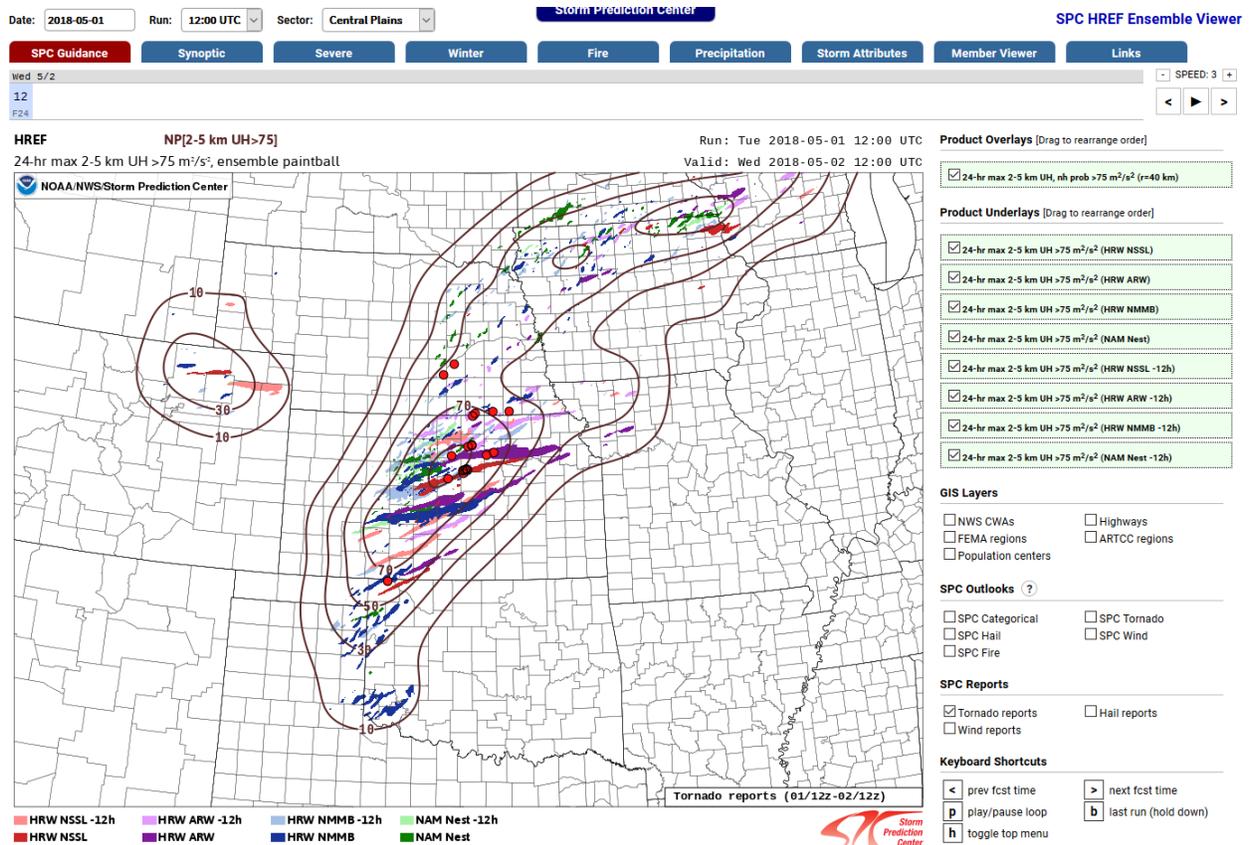


Figure 1. This screenshot comes from the SPC HREF (High Resolution Ensemble Forecast) Viewer, developed by Dr. Brett Roberts, a CIMMS Research Scientist affiliated with the SPC. This website gives SPC forecasters easy access to a wide variety of important model parameters from the HREF. (Photo from Brett Roberts)



Figure 2. Dr. Burkely Gallo, a CIMMS Research Scientist affiliated with the SPC (3rd from left), leads participants in a subjective evaluation activity during the 2019 HWT Experimental Forecast Program Spring Forecasting Experiment, which is led by SPC and the National Severe Storms Laboratory, with contributions from other partners. (Photo from NSSL)

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