

9.5 Booms and busts with the real-time WRF-ARW convective scale ensemble.

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The NCAR/MMM realtime convective ensemble offers a glimpse of the future for the prediction of hazardous convective weather, offering forecasters valuable guidance as to anticipated convective mode, but also a new, probabilistic perspective for anticipating potentially hazardous weather events such as tornadoes, hail, high winds, and flash floods. In this talk, I will present examples of both these unique capabilities as well as examples of forecast failures, which help to better define current forecast system limitations and future research needs.