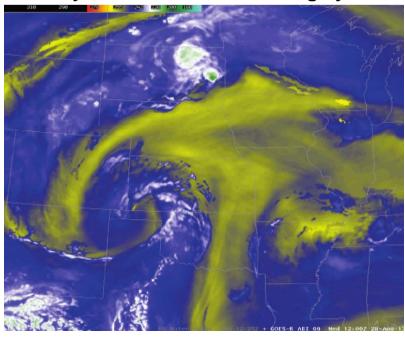# Development of a Near Real-time Satellite Verification and Forecaster Guidance System for the High-Resolution Rapid Refresh (HRRR) Model

- Real-time tools to quickly determine the accuracy of rapidly-updating forecast models with many overlapping forecast cycles are necessary

- Synthetic GOES infrared brightness temperatures will be generated for each HRRR model forecast cycle using the Community Radiative Transfer Model

- Validation system comparing simulated and real observations will be developed, with results displayed using a webpage

- System will be demonstrated at the Hazardous Weather Testbed and the Aviation Weather Testbed

- Participant feedback will be used to improve the analysis and display system

Synthetic ABI Band 09 Imagery

Synthetic GOES-R ABI band 9 imagery valid at 1200 UTC on 28 Aug 2013 generated using 12-hr forecast output from the NSSL-WRF model.

Provide operational forecasters objective tools to determine accuracy of HRRR model forecasts.

Jason Otkin (CIMSS) and Justin Sieglaff (CIMSS)