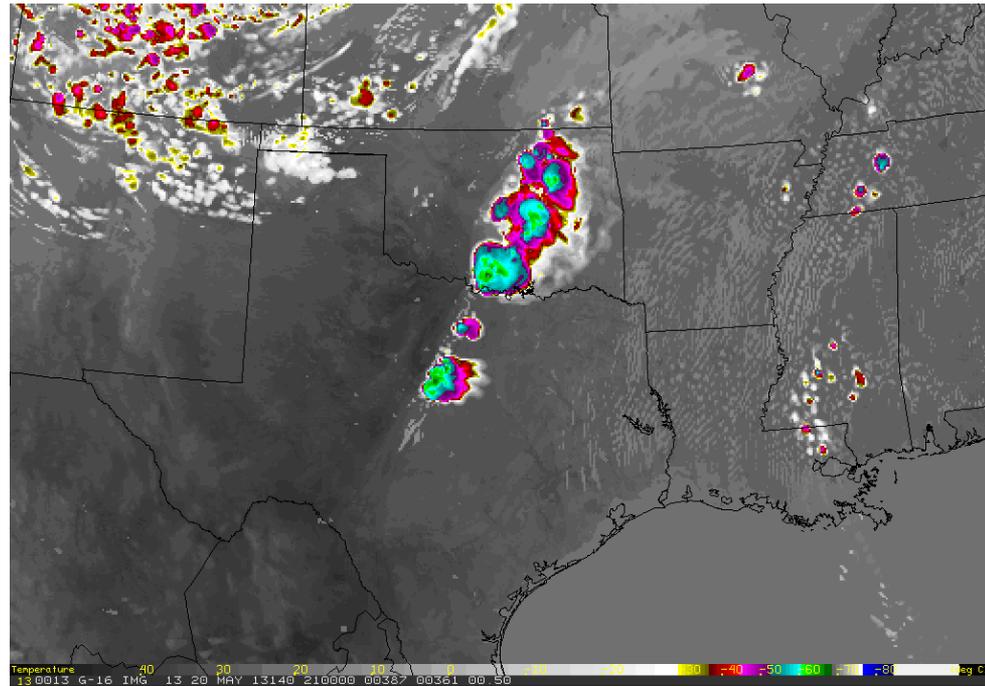




Synthetic Imagery Development over Alaska and Hawaii for GOES-R Product Development



- Synthetic imagery of GOES-R ABI bands from real-time model output has been ongoing since 2010
- Forecaster feedback has been overwhelmingly positive, mainly because the imagery is an excellent visualization tool for model forecast clouds
- So far, only high resolution ($\leq 4\text{km}$) models over the CONUS have been used
- FY14-15 R3 project will extend the synthetic imagery to Alaska and Hawaii using high resolution NAM Nest domains
- Output will be provided to the NWS in AWIPS/AWIPS-2 format



Synthetic GOES-R ABI 10.35 μm image based on a 21-hour forecast of the NSSL WRF valid at 21 UTC on 20 May 2013

GOES-R Synthetic Imagery will be provided to NWS forecasters in Alaska and Hawaii in real time

D. Lindsey (STAR/RAMMB) and L. Grasso (CIRA)