



AVIATION WEATHER TESTBED UPDATE

Amanda Terborg
PG All-Hands call
September 2014

2014 demonstration



- Ended as of September 1st
 - Report in progress, expected to be complete by the end of this week
 - Summer experiment DID actually include AWC forecasters
 - CCFP transition to AWS
 - CWSU and WFO aviation focal point involvement...
 - FAA operations
- Preliminary feedback



ACHA Cloud Altitudes

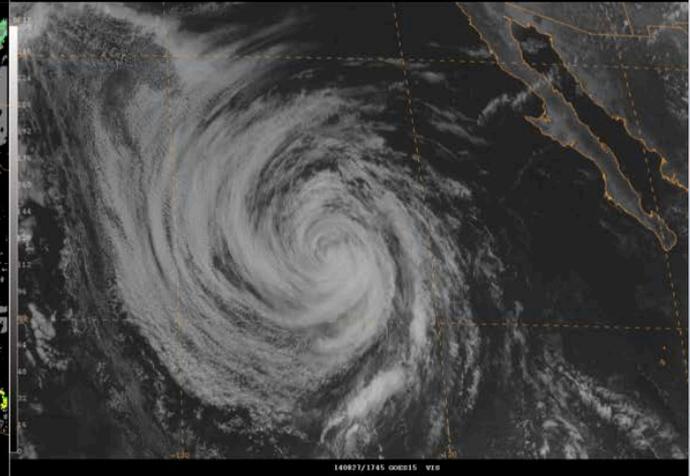
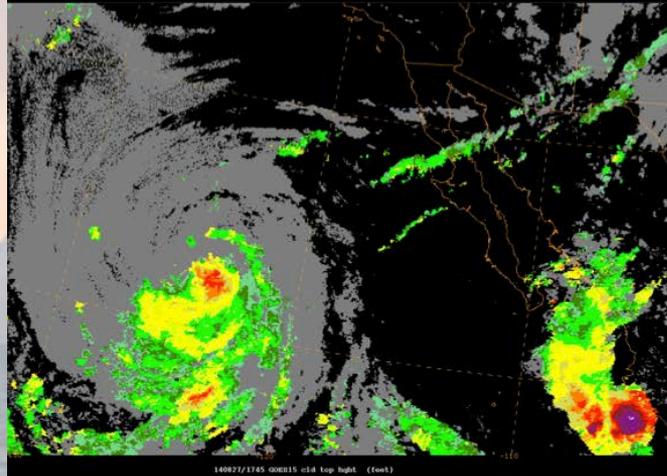
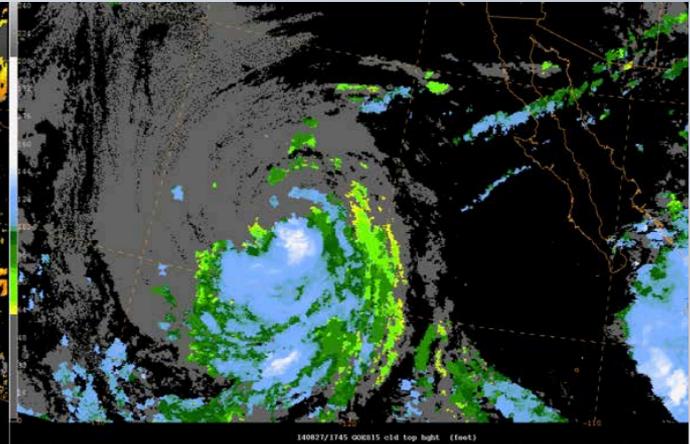
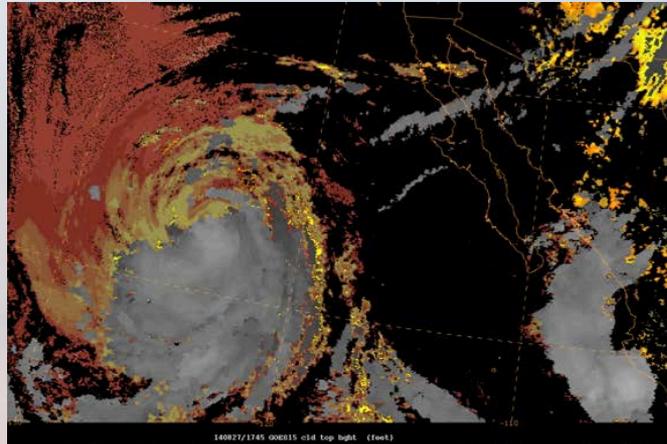


ACHA Cloud
Altitudes...

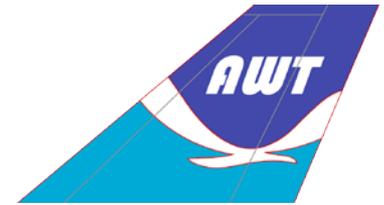
< FL180 – C&V
forecasting on
the West Coast

> FL180 –
Convection and
other higher
cloud hazards

> FL300 –
Convective
cloud tops

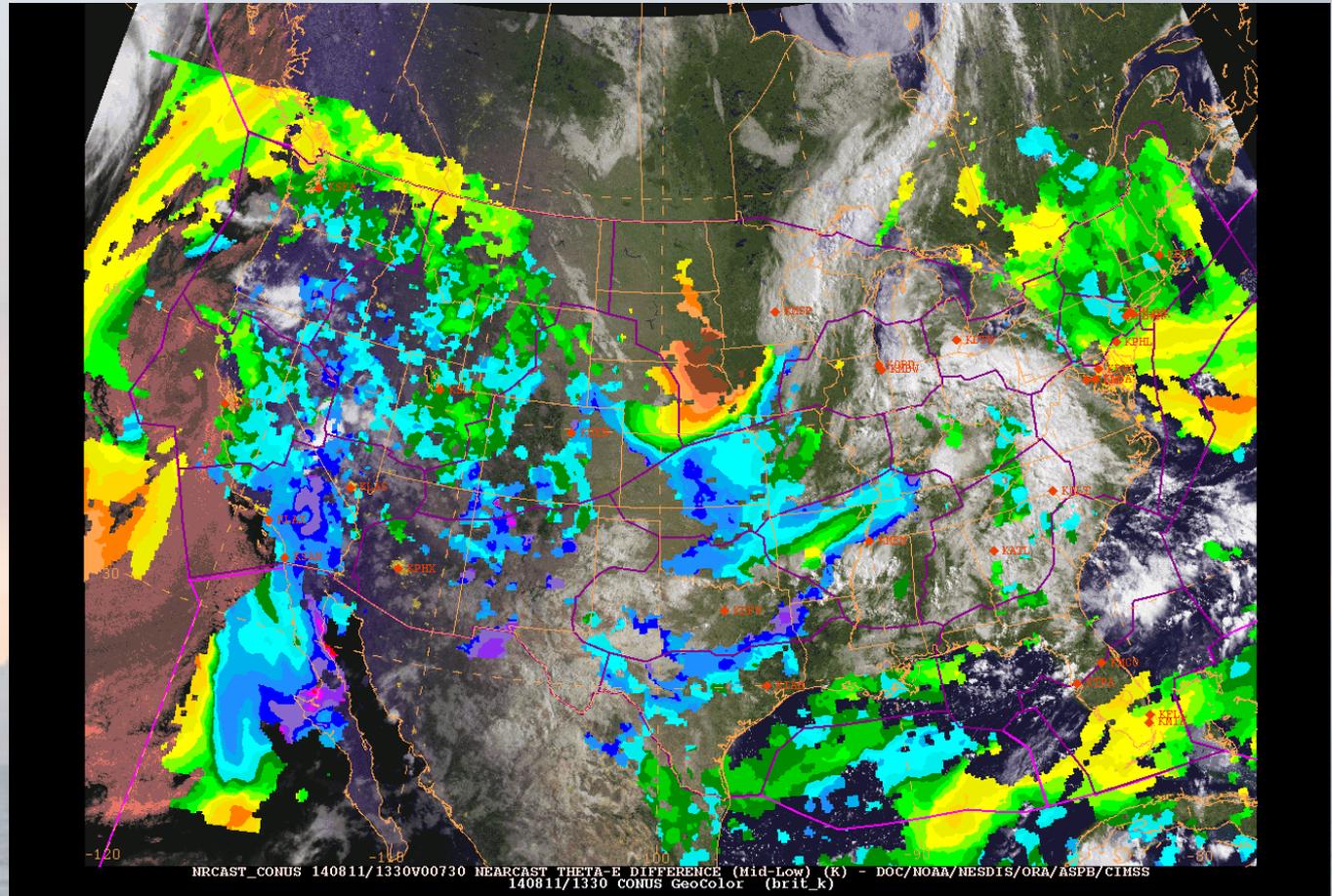


GeoColor Imagery



GeoColor Imagery

- Great tool to use as a context for the Nearcast and other tools (like the FLS)
- Aesthetically pleasing, good contrast with the pink (fog) at night

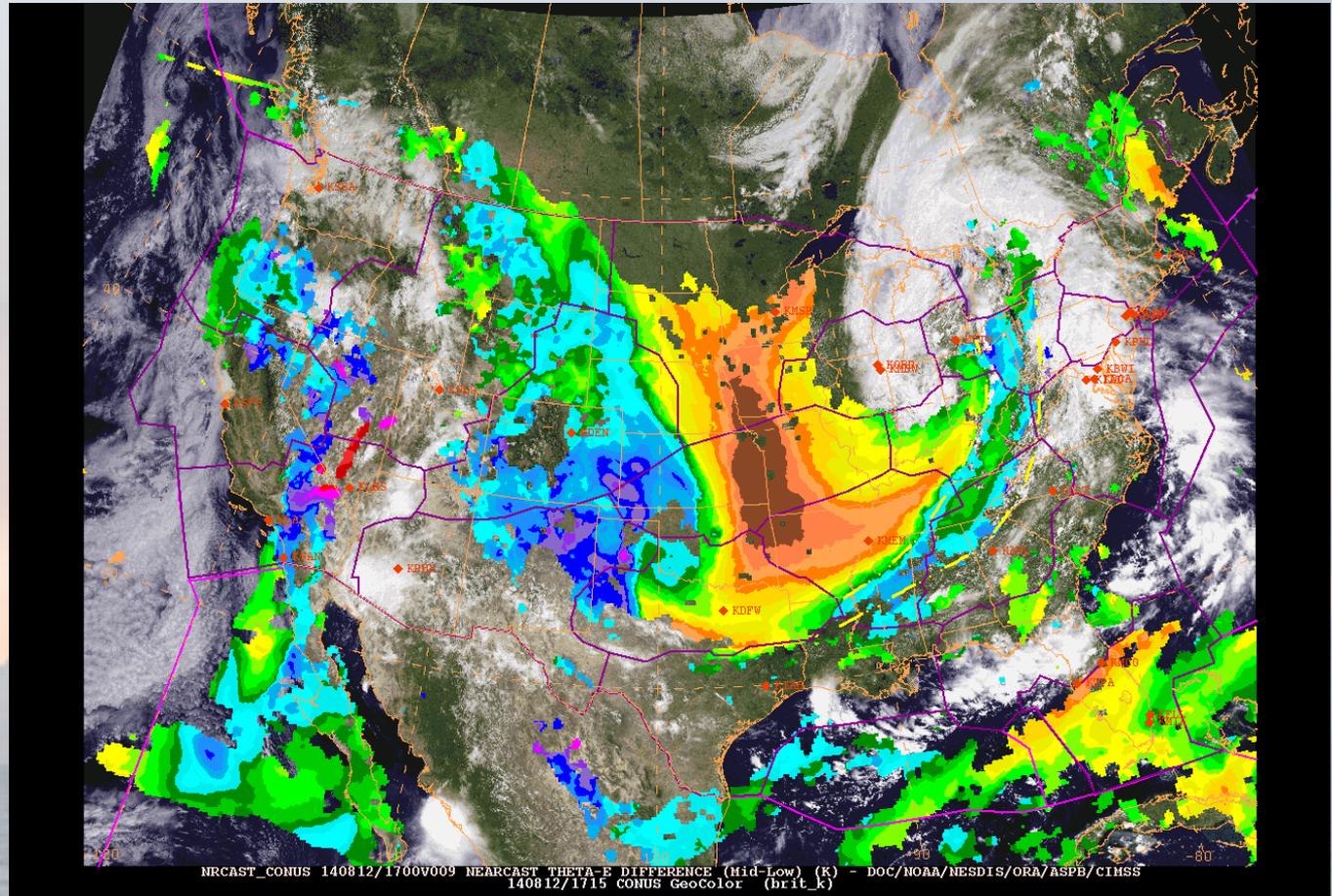


Nearcast



Nearcast

- Good contrast between dry stable air and unstable areas
- Provides very helpful information even for weak, low-topped convection in the Northeast

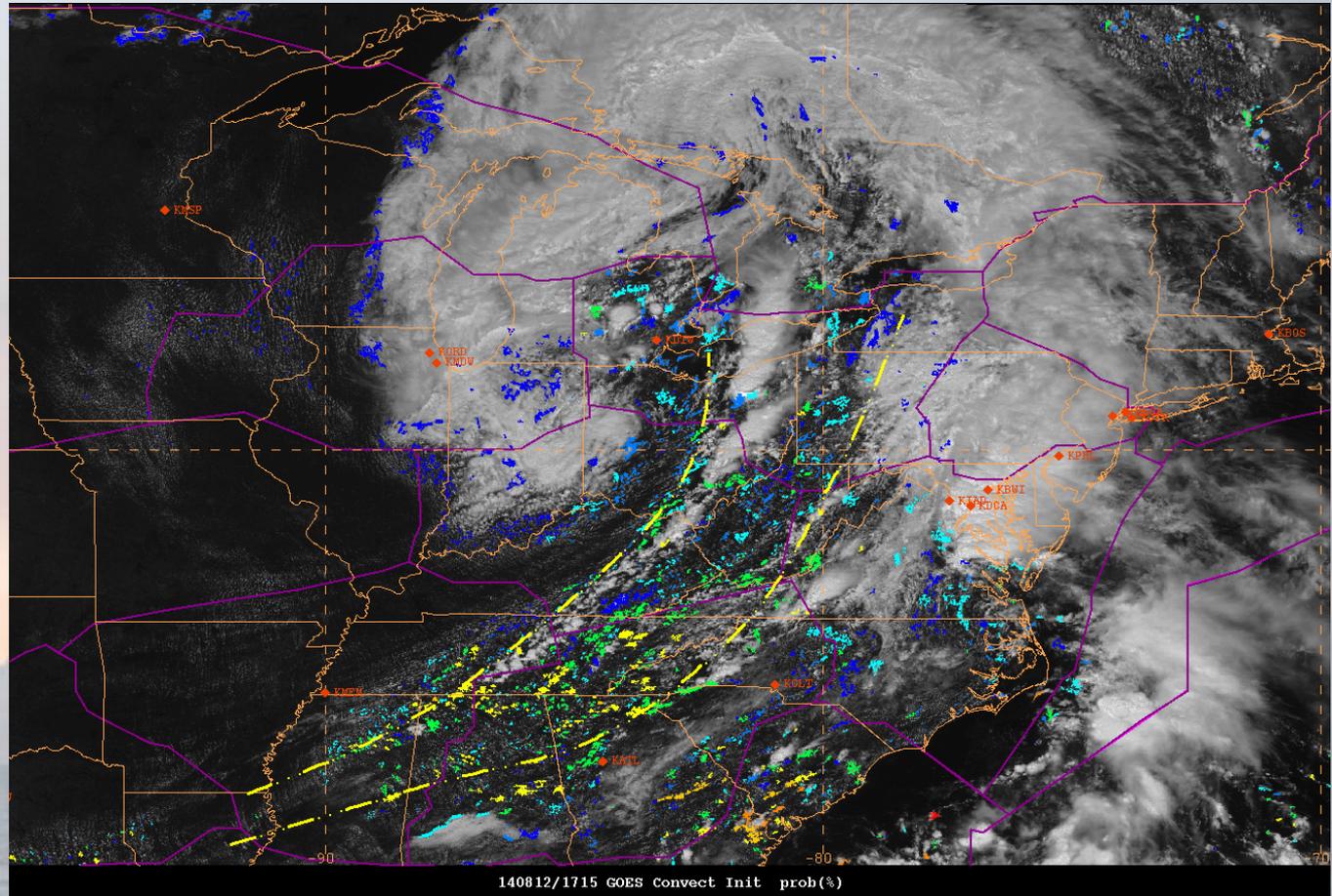


Nearcast



Nearcast

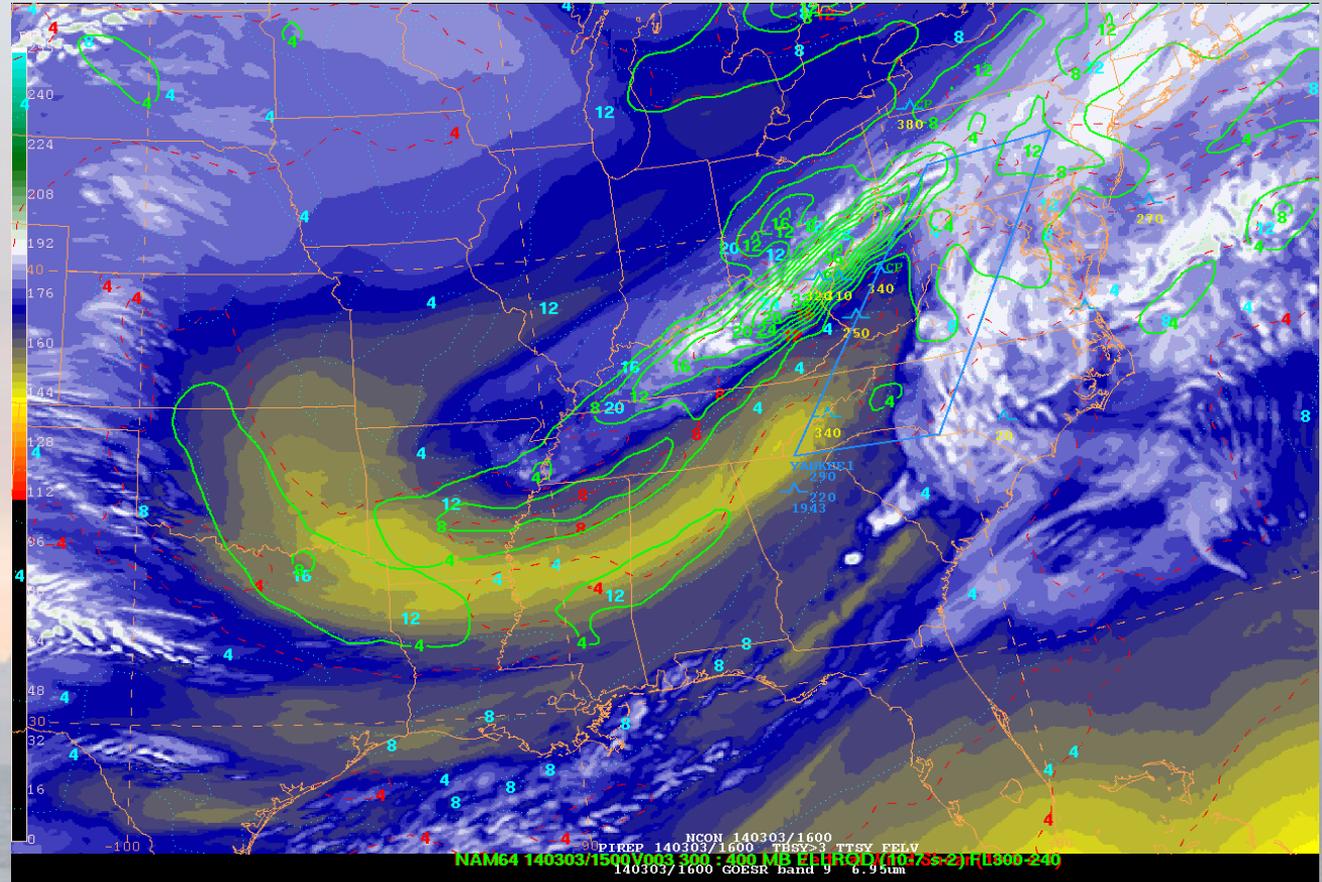
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Simulated Satellite Imagery



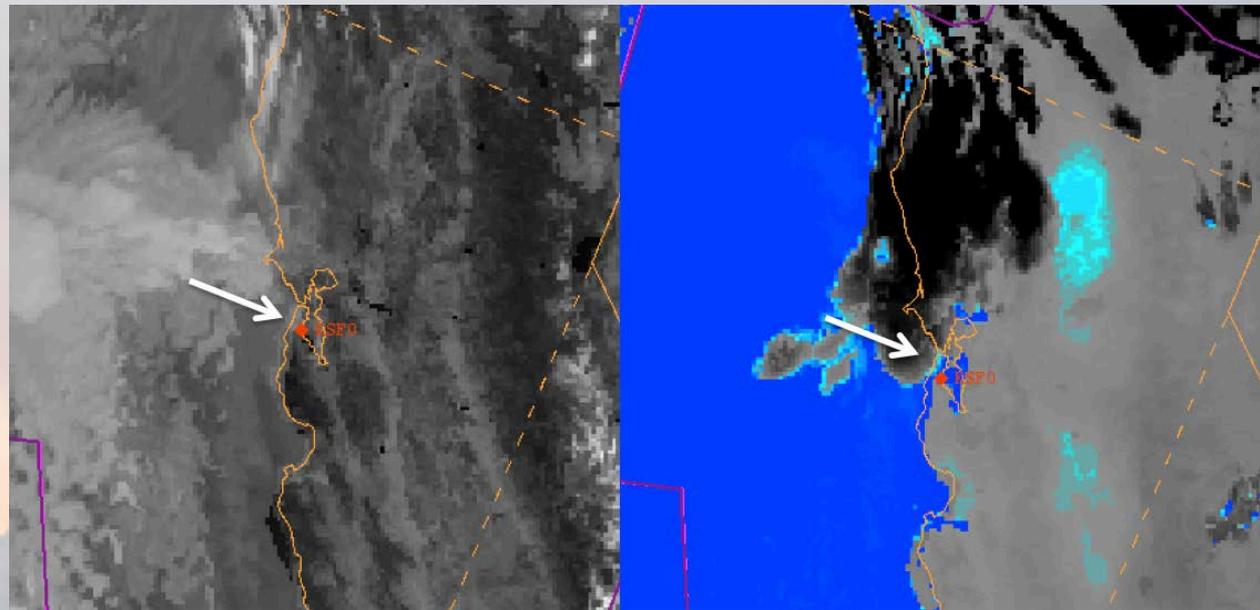
- Simulated Imagery
- Turbulence... using it with other model parameters
- Turbulence... exploring the three WV levels
- C&V... fog difference and visible
- Convection



Simulated Satellite Imagery



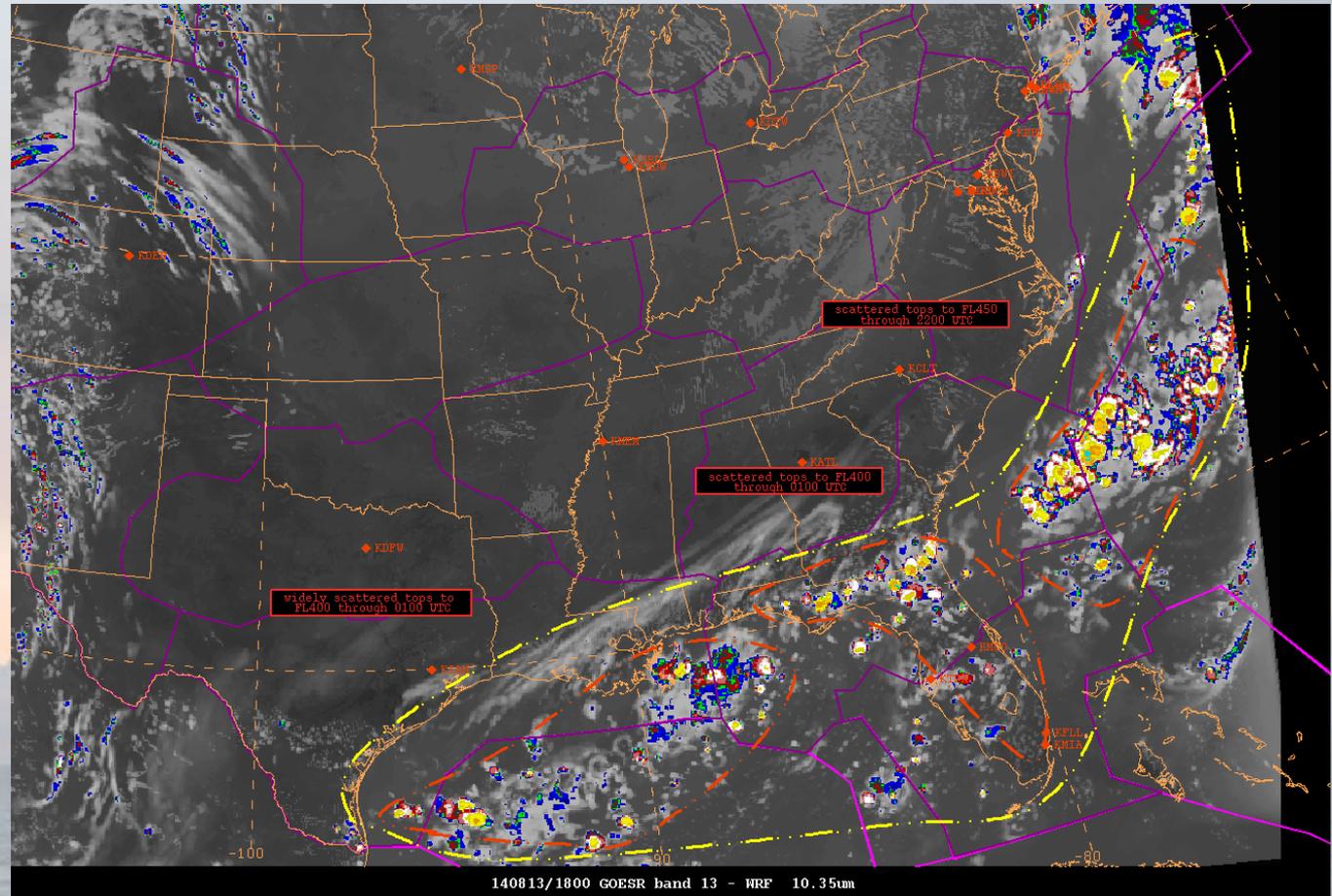
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Other notes

- Staffing
 - Finally seeing the light at the end of the tunnel!
- AWIPS-2
 - Things are finally fixed, testing being done 9/8 – 9/9
 - Transition to NCP?
- Operational issues 
 - Ingestor upgrade
 - MUG meeting in 2015
 - In the epic saga of the GOES-E dish and the critters...

Other notes



A can of bee spray wins every time