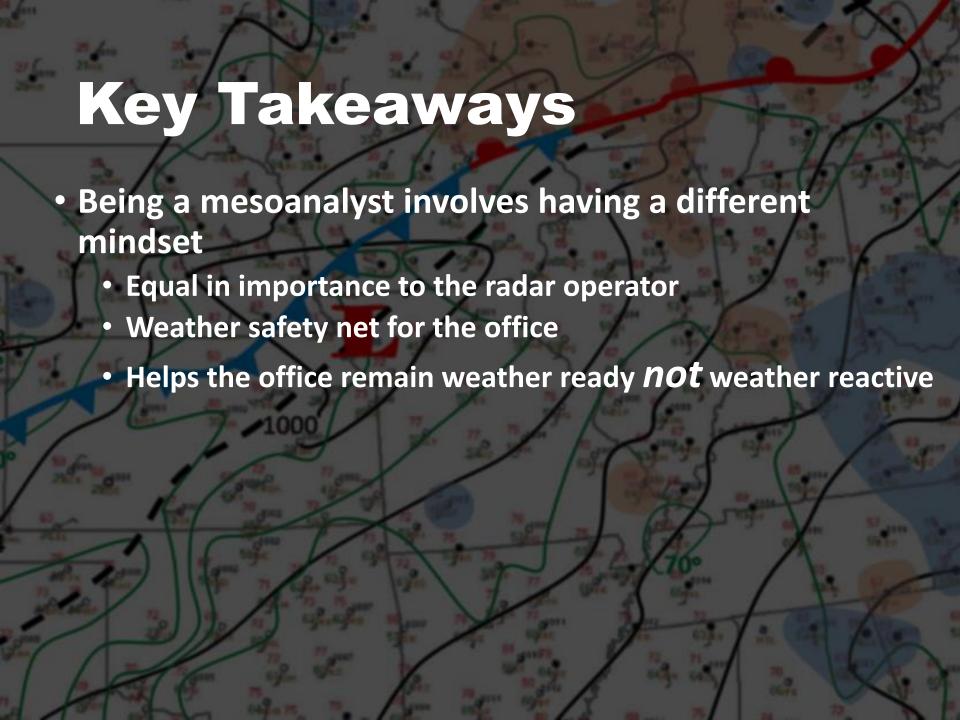


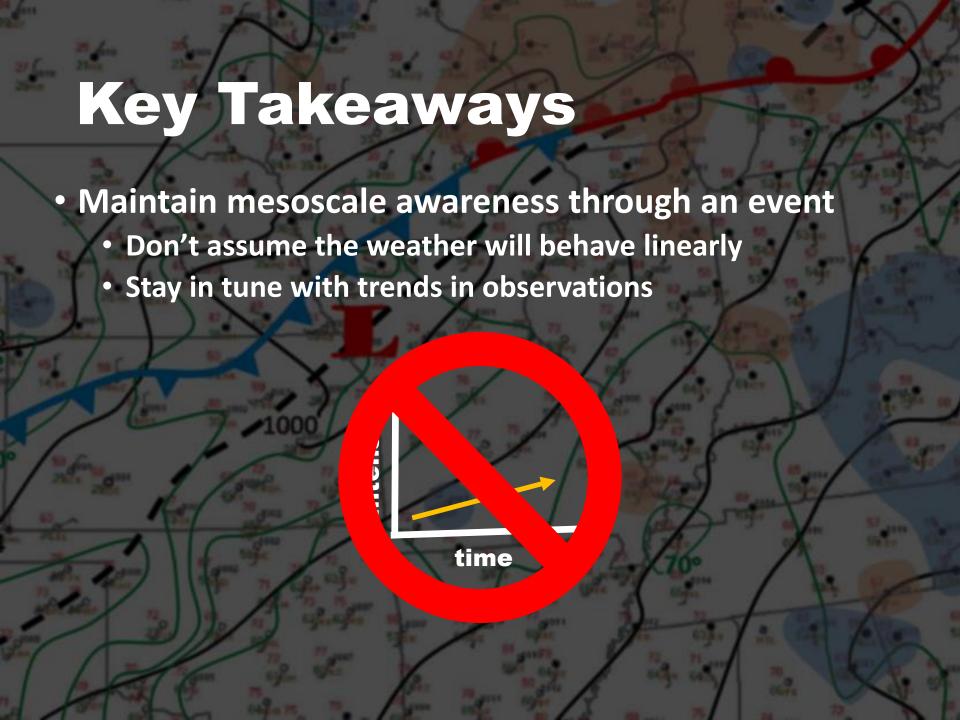
Structure of Boot Camp

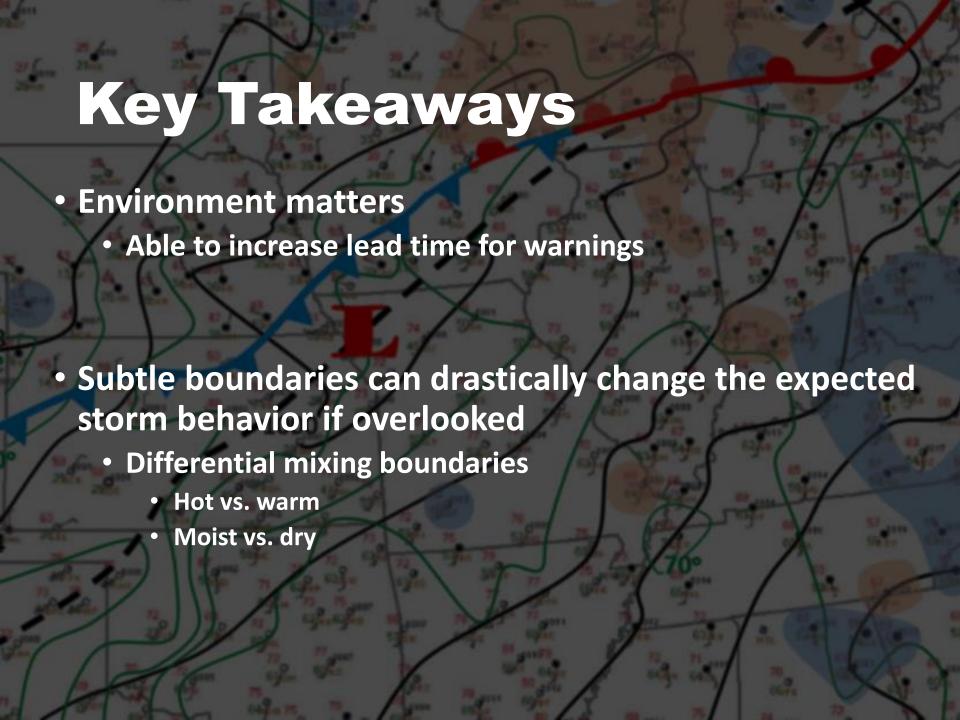


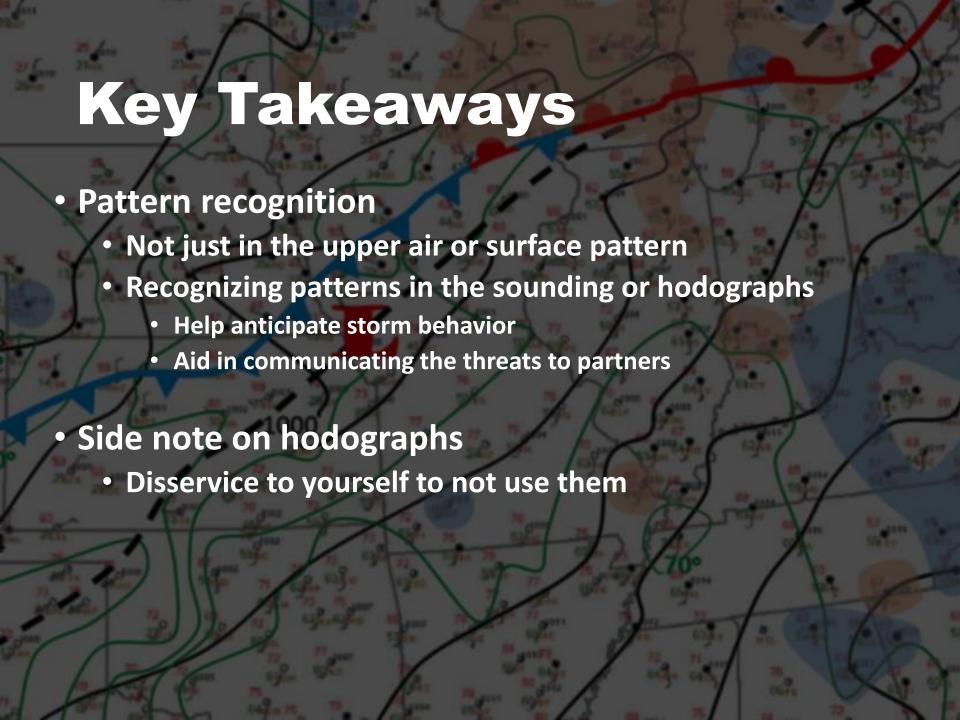
- Instruction Days 1-2
- Case work Days 3-4
- Wrap-up/Assessment Day 5

Goal: Accurately anticipate what the radar will look like in 2-3 hours and communicate specifically what/when/where to the public.









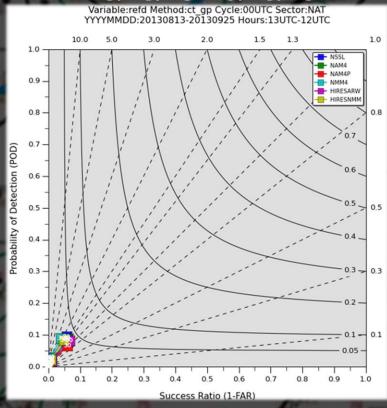
Key Takeaways

- Which do you have more displays of, radar or satellite data?
 - Indicative of what you are paying more attention to
 - Plethora of information you can glean from satellite data
- Radar
 - Focused on the present
- Satellite
 - Able to anticipate storm behavior
 - Shifts mindset from reacting to storms to being ready
 - Would your mesoanalysis be crippled without it?

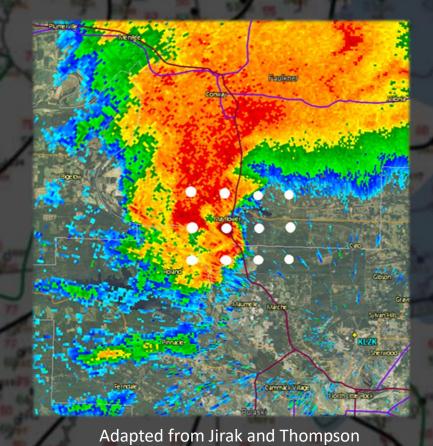
Key Takeaways

Keeping CAM output in perspective

National Stats at Grid Point For 30 dBz or higher 8/13/13 – 9/25/13



Adapted from Jirak and Thompson

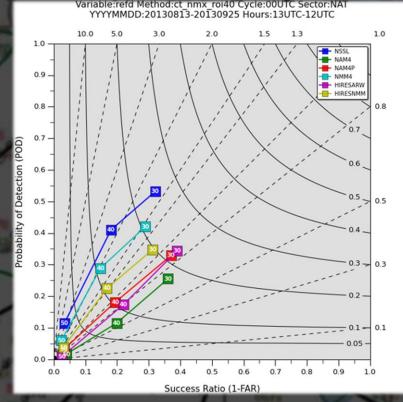


Key Takeaways

 Keeping CAM output in perspective

 Using a neighborhood approach for verification showed increased improvement in CAM verification National Stats 40 KM Neighborhood
For 30 dBz or higher

8/13/13 - 9/25/13



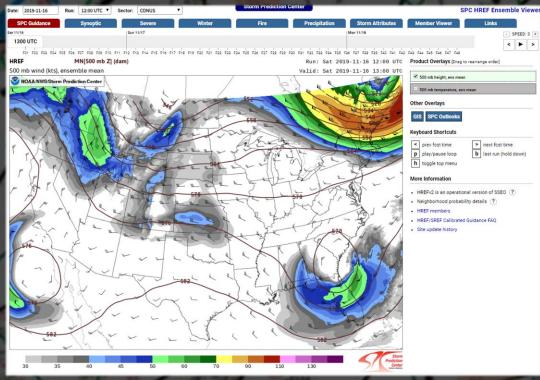
Adapted from Jirak and Thompson

Side Note on HREF

One of the best ways to

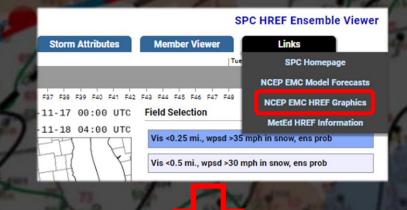
view CAM output.

- The SPC site has probabilities for:
 - QPF
 - Snowfall
 - Blizzard conditions
 - Updraft helicity
 - CAPE
 - Fosberg Index (fire weather)



Side Note on HREF

- The NCEP website has probabilities for:
 - Aviation
 - Severe weather
 - Precipitation type
 - Snow amount

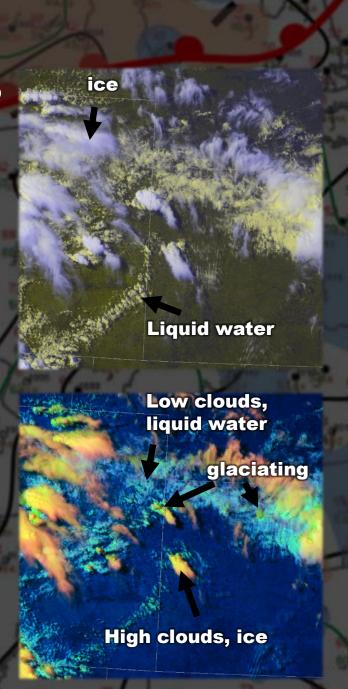


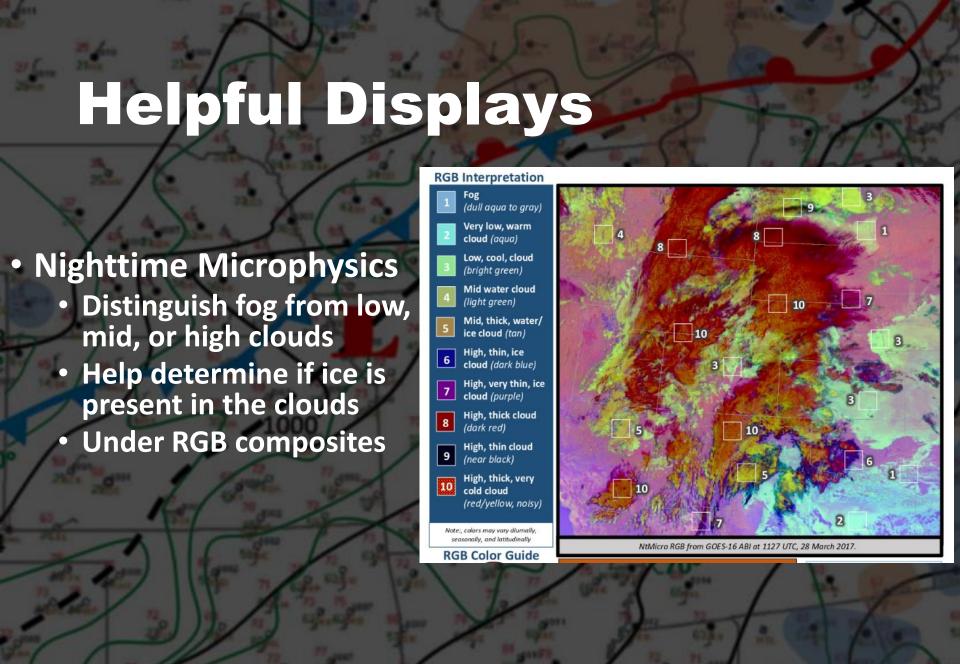


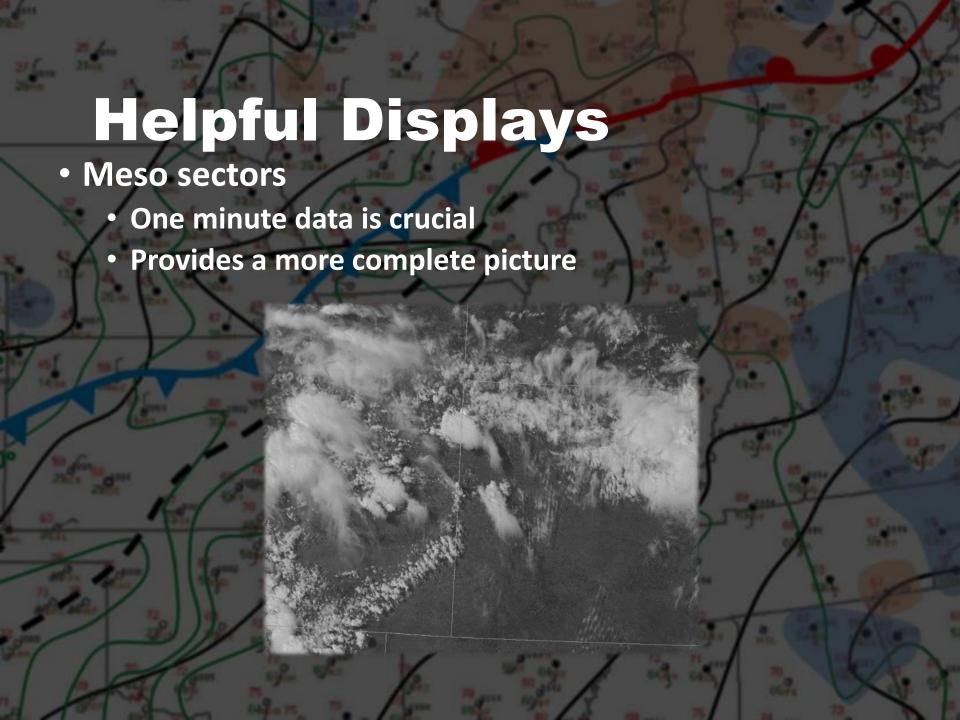
Helpful Displays

- Day cloud phase
 - Distinguish liquid water from ice
 - Under RGB composites

- Daytime cloud phase distinction
 - Evaluate phase of cooling cloud tops
 - Determine growth, decay, glaciation
 - Under RGB composites



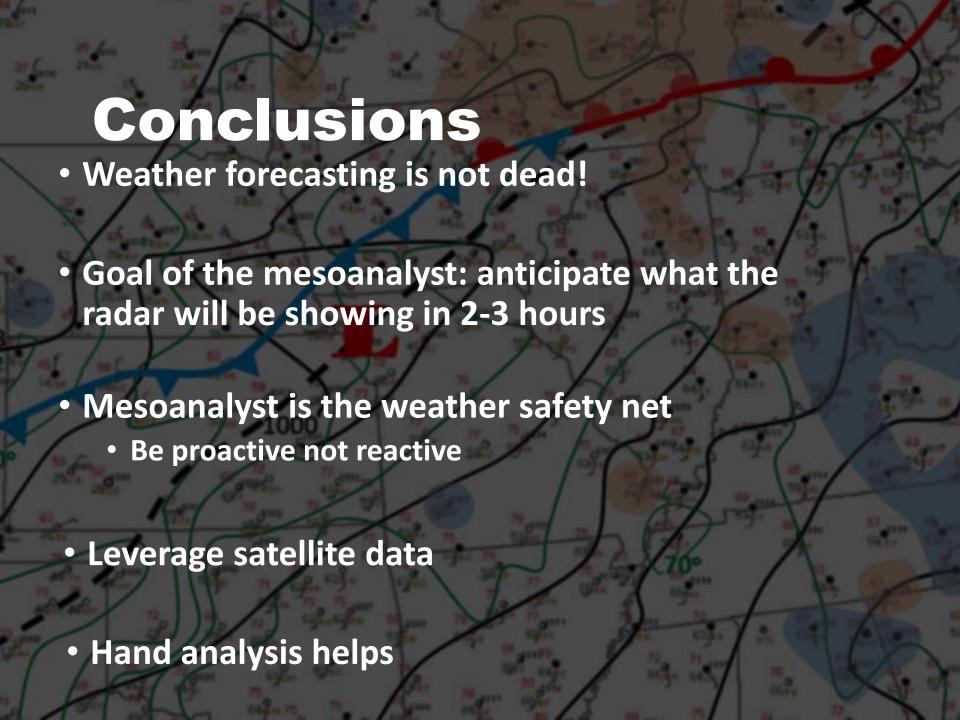




What does a mesoanalyst do?

- Monitors the mesoscale for subtle features
 - Surface observations
 - Satellite data
 - Radar data
 - SPC mesoanalysis data
- Based on data, anticipates what will happen in the next 2-3 hours

Communicates with radar operator and forecaster





- Practice mesoscale analysis wherever there is hazardous weather.
- Show fellow staff how important mesoscale analysis is.
- Offer mesoscale analysis assistance to offices affected by hazardous weather.

