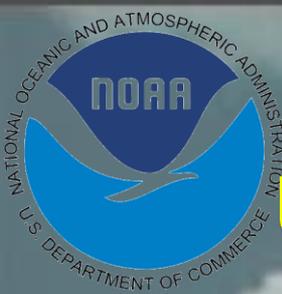




NC Drought Management Advisory Council

Forecast/Outlook

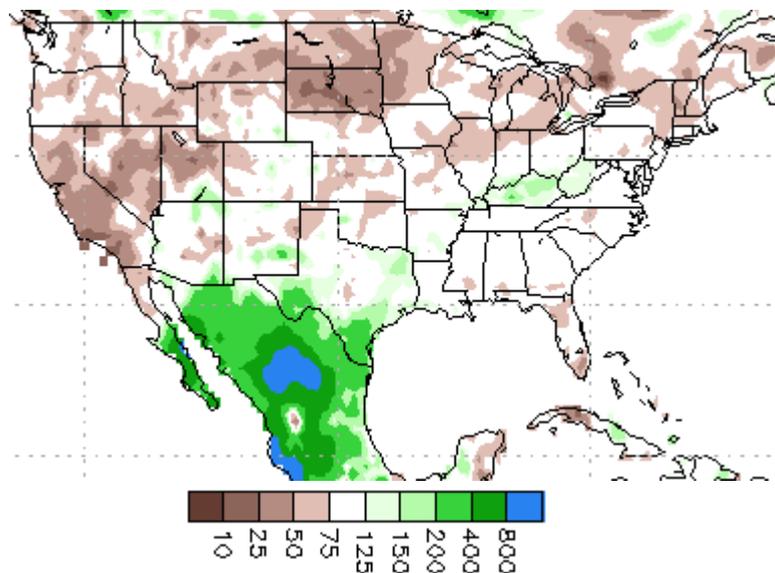
Barrett Smith
National Weather Service
Raleigh, NC
30 April, 2015



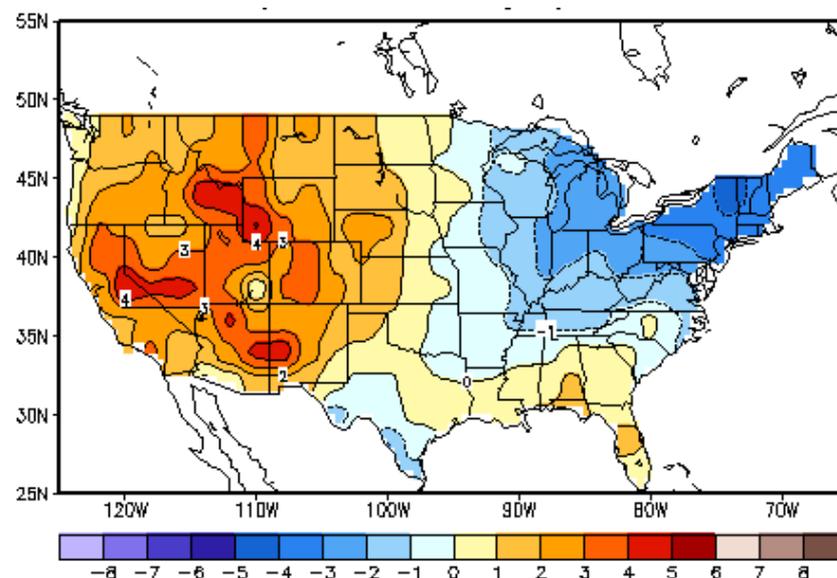
U.S. Temperature and Precipitation Departures During the Last 90 Days

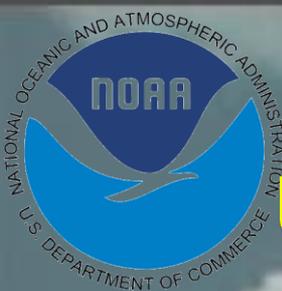
End Date: 25 April 2015

Percent of Average Precipitation



Temperature Departures (degree C)

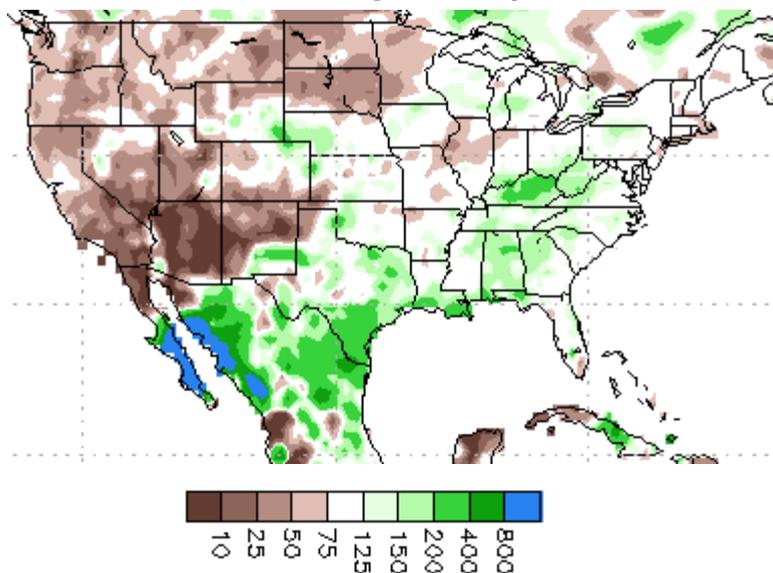




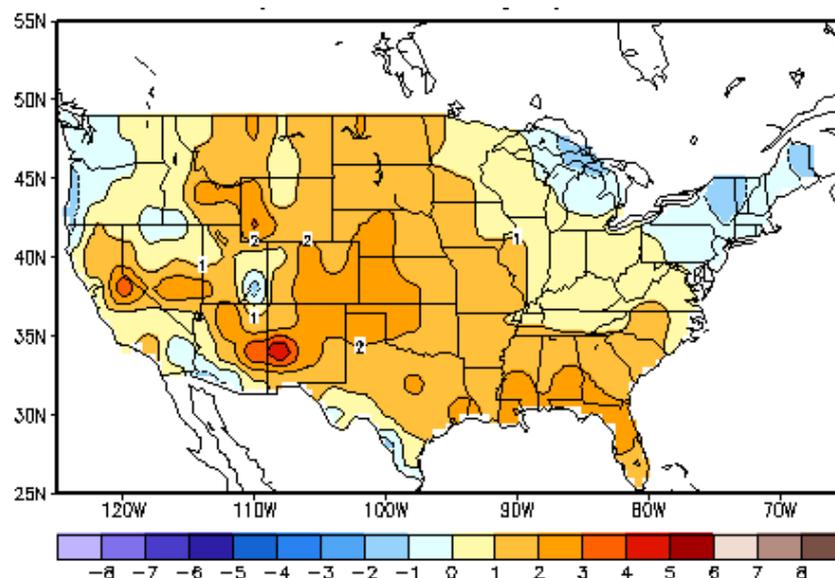
U.S. Temperature and Precipitation Departures During the Last 30 Days

End Date: 25 April 2015

Percent of Average Precipitation



Temperature Departures (degree C)



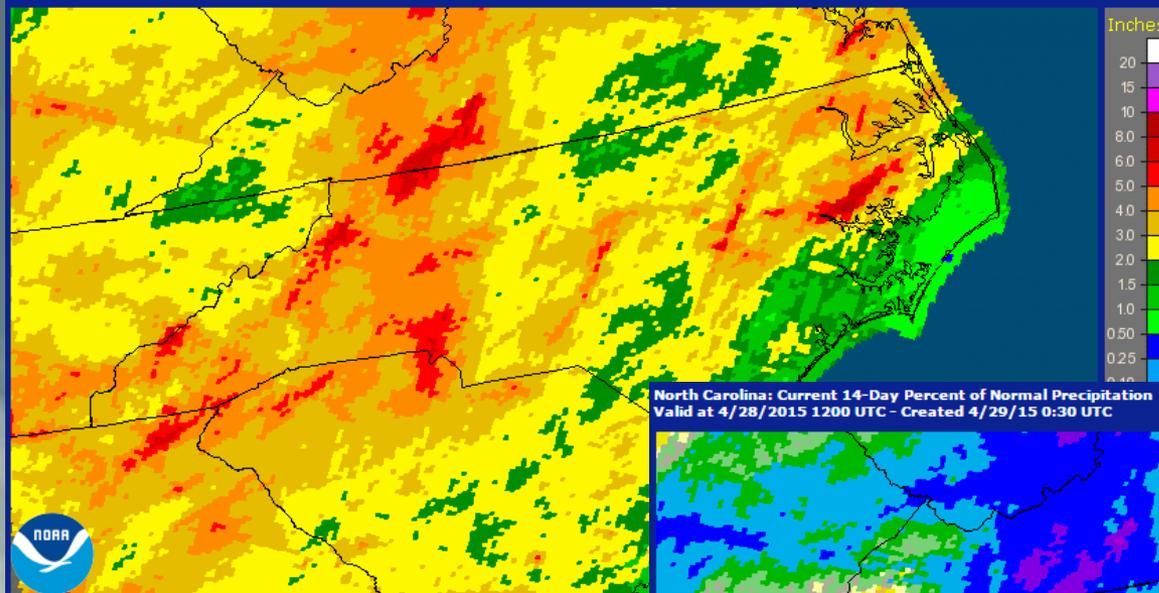
Climate Prediction Center



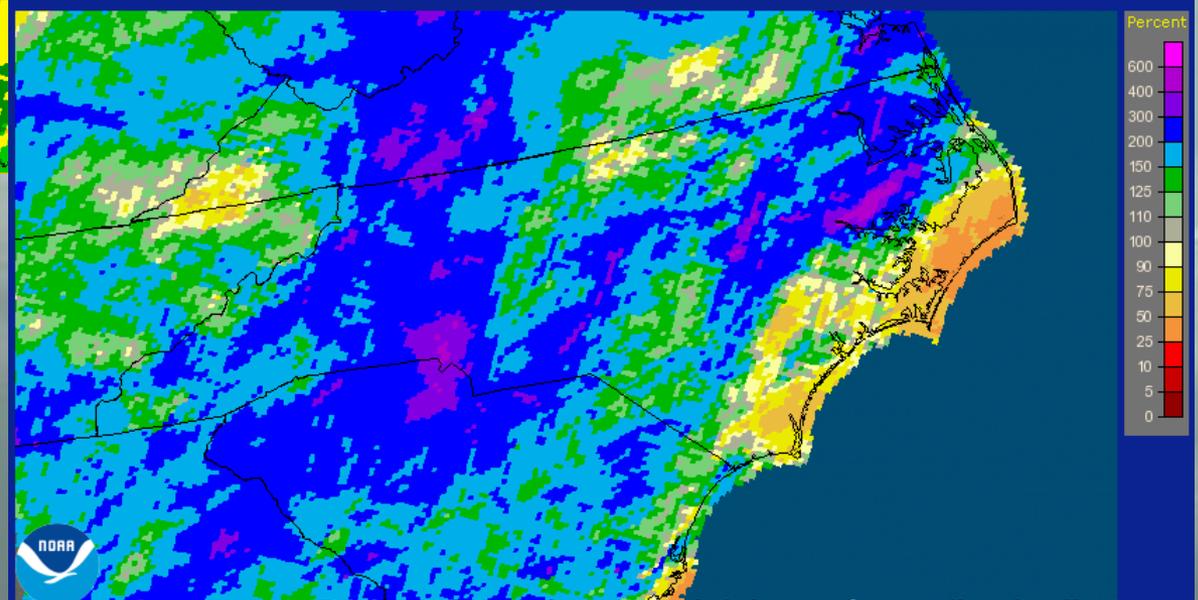
Past 14-Day Rainfall and Percentage of Normal



North Carolina: Current 14-Day Observed Precipitation
Valid at 4/28/2015 1200 UTC - Created 4/29/15 0:30 UTC

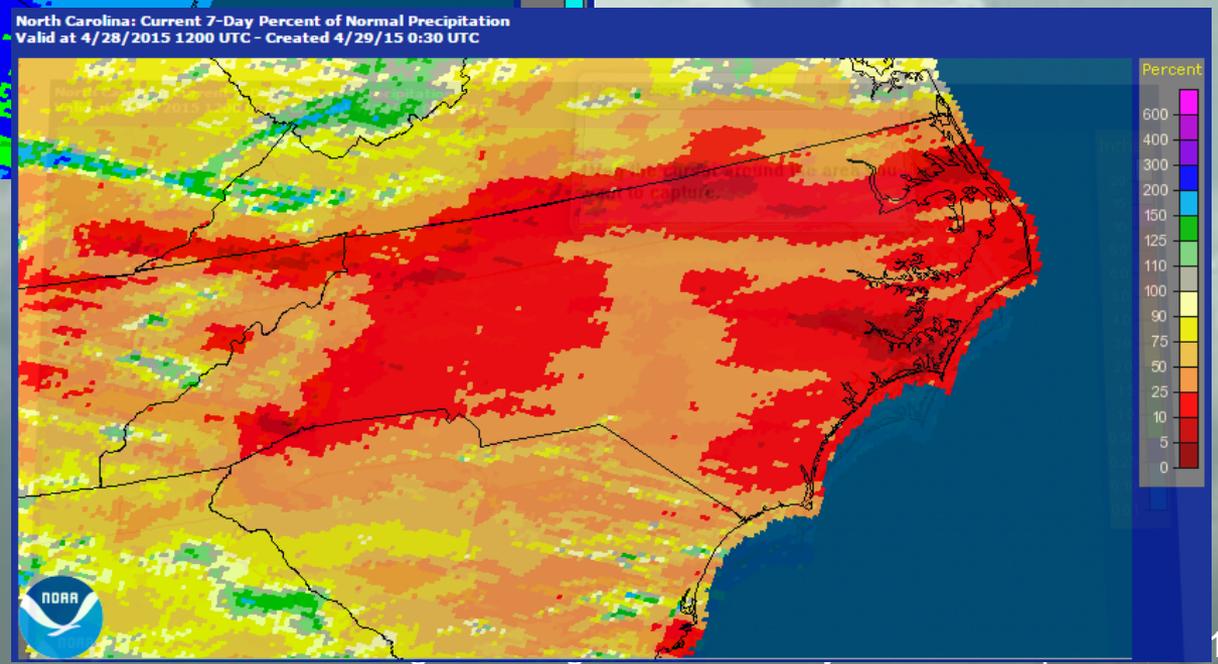
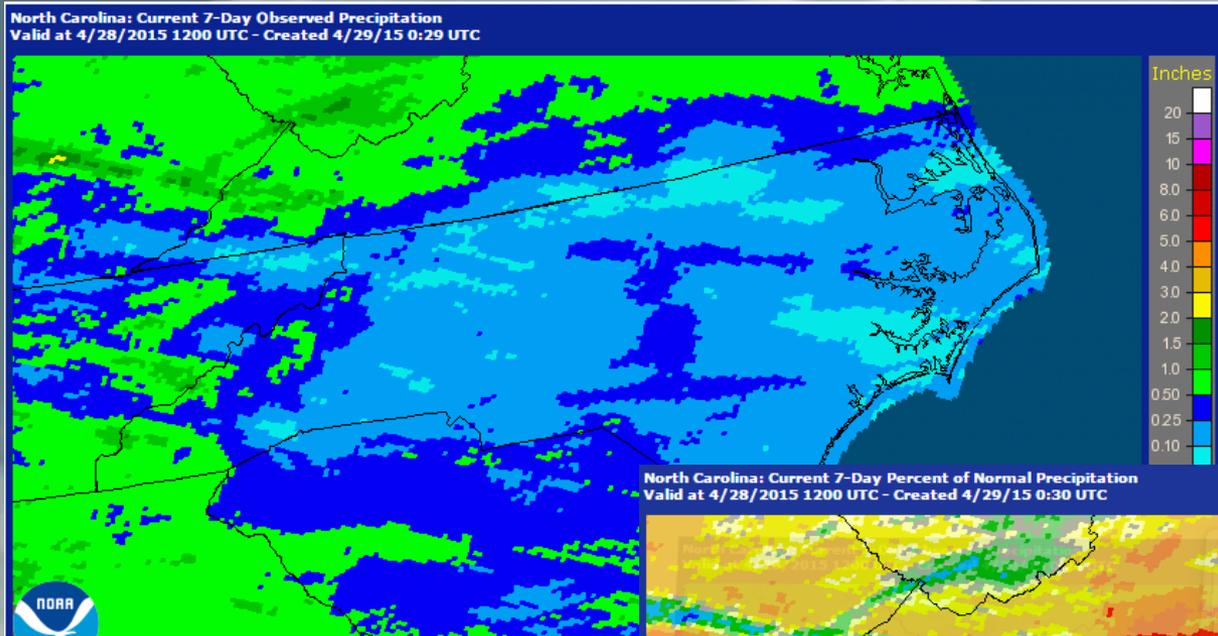


North Carolina: Current 14-Day Percent of Normal Precipitation
Valid at 4/28/2015 1200 UTC - Created 4/29/15 0:30 UTC



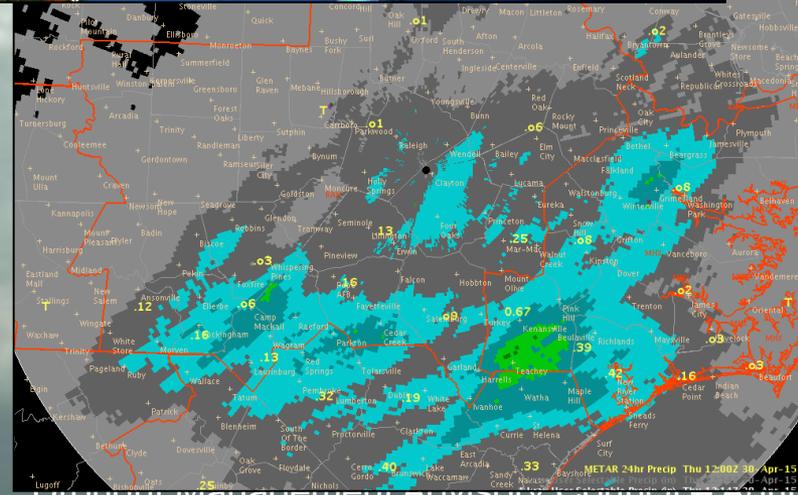
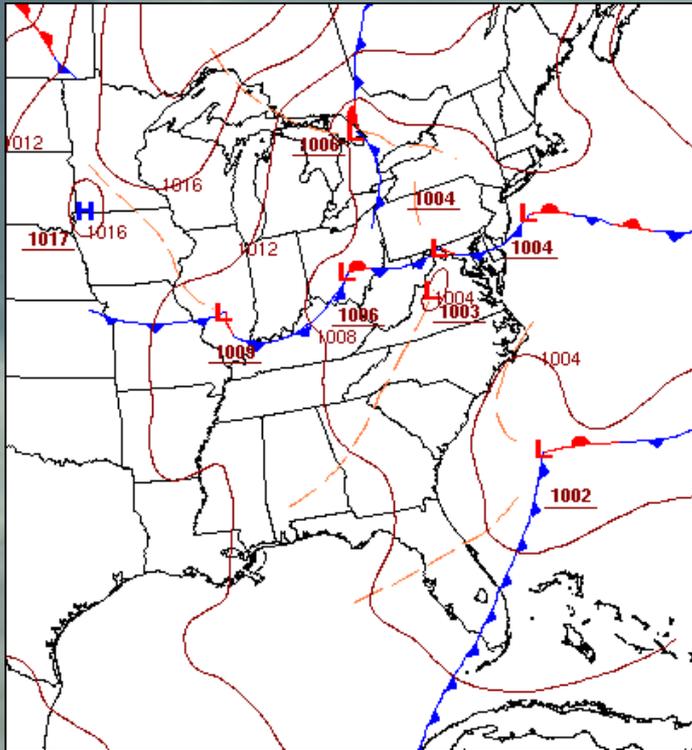


Past 7-Day Rainfall and Percentage of Normal





Today

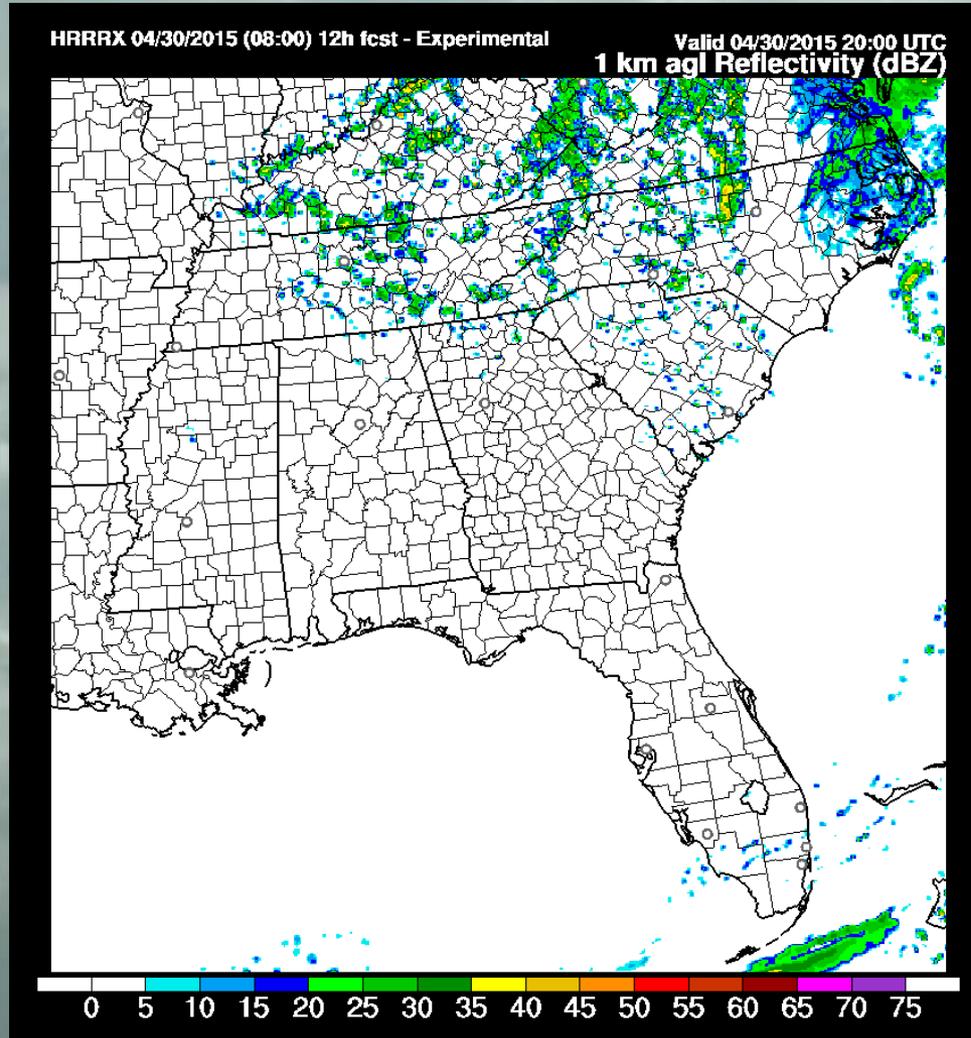




Today



- Few showers today
- Isolated thunderstorms?
- Highs around 70
- Lows around 50



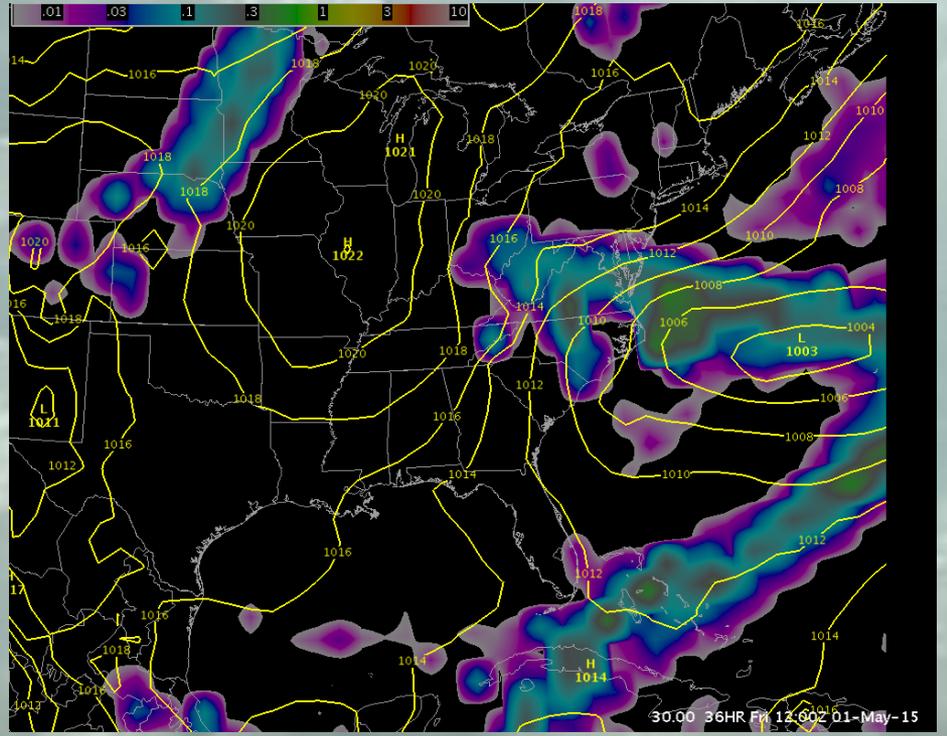
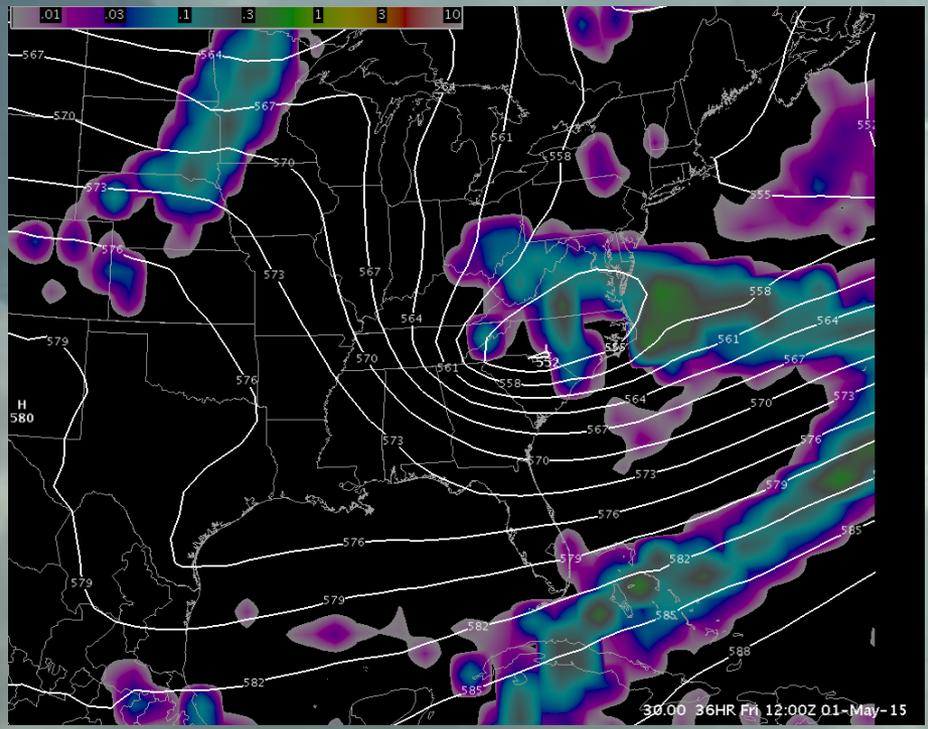


Friday



Upper Levels

Surface

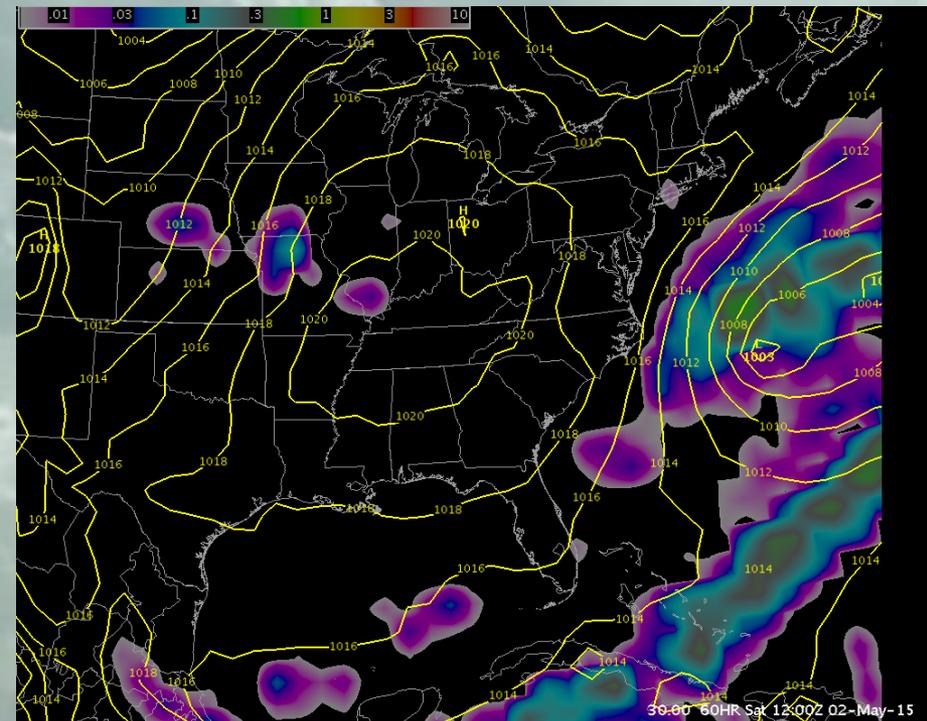
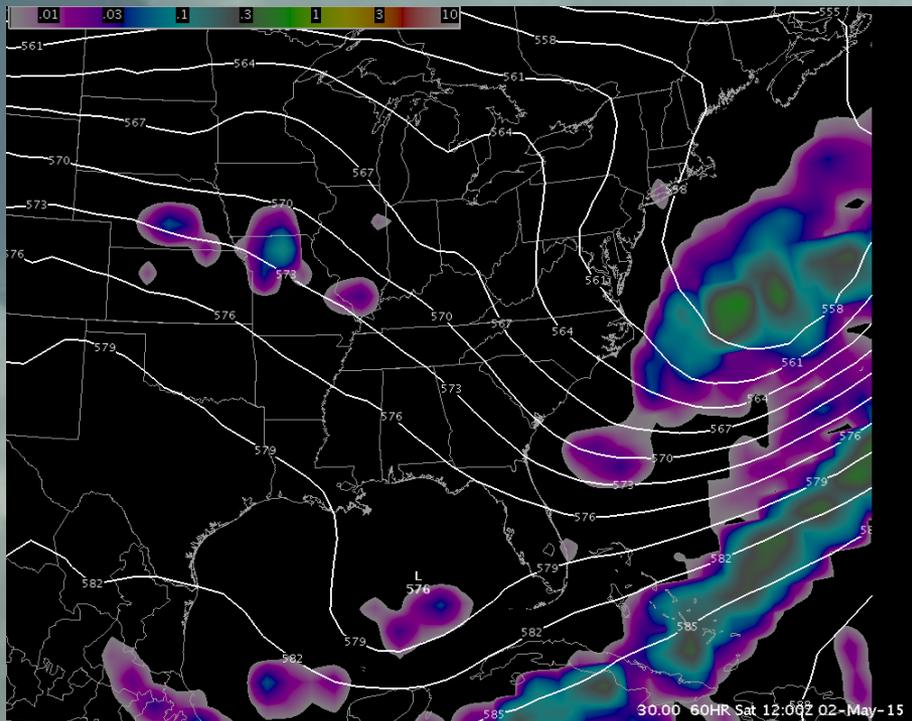




Saturday

Upper Levels

Surface



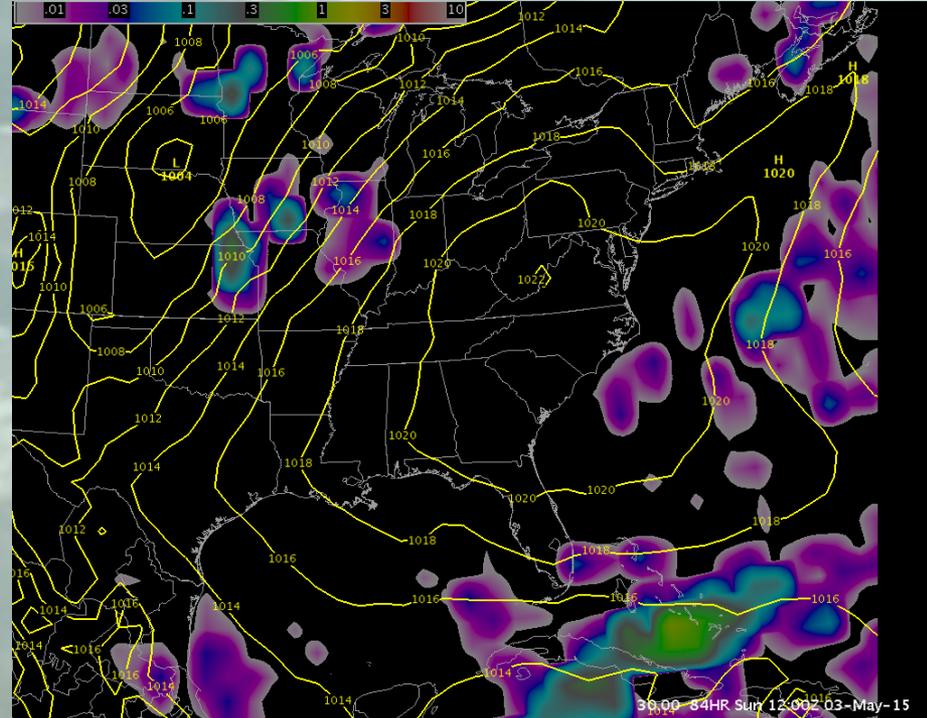
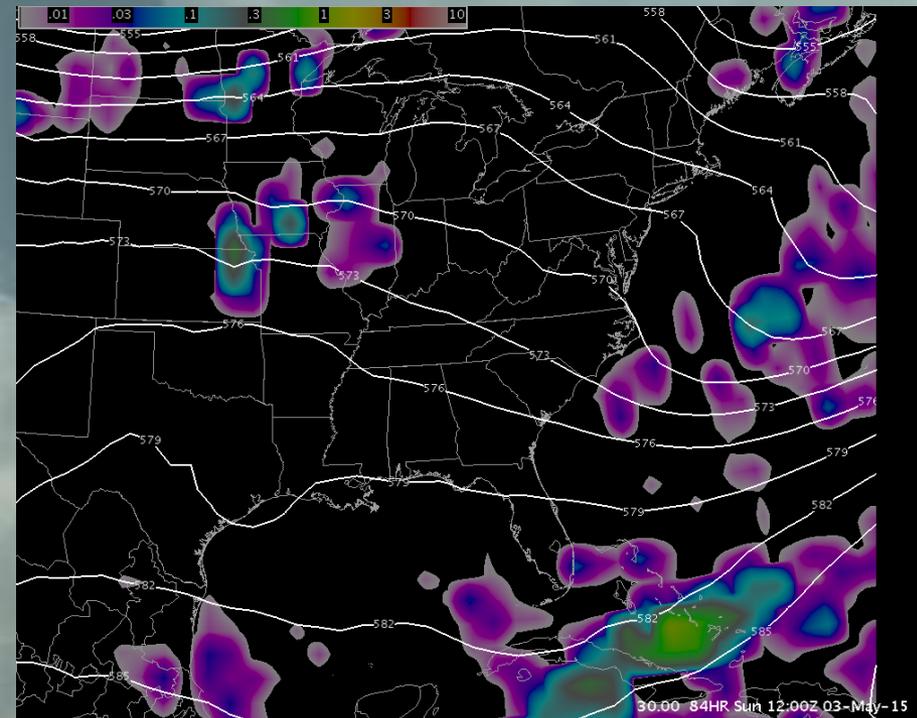


Sunday



Upper Levels

Surface



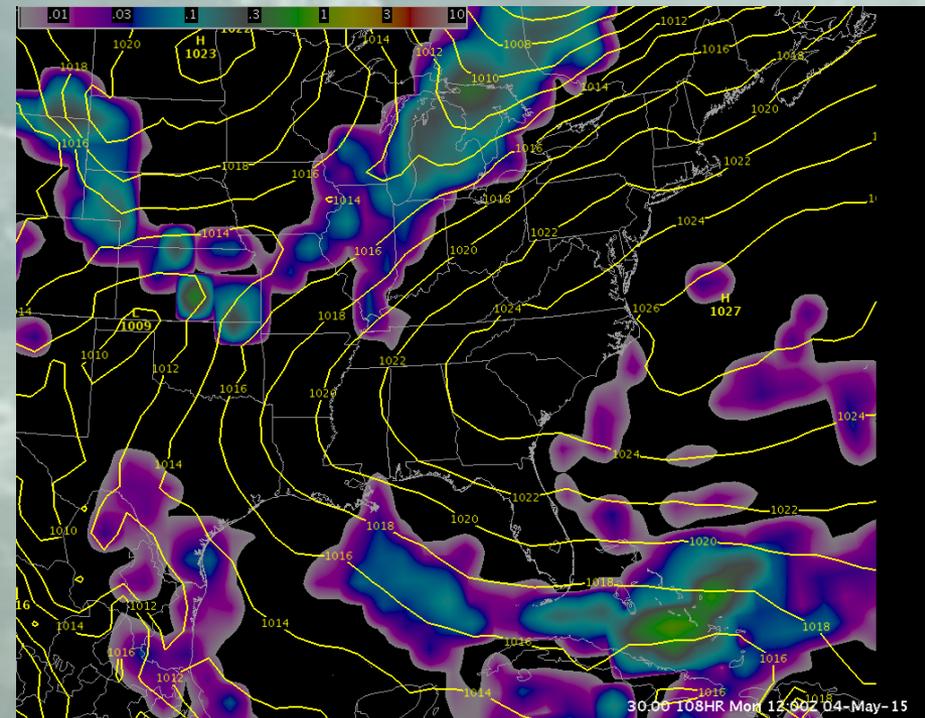
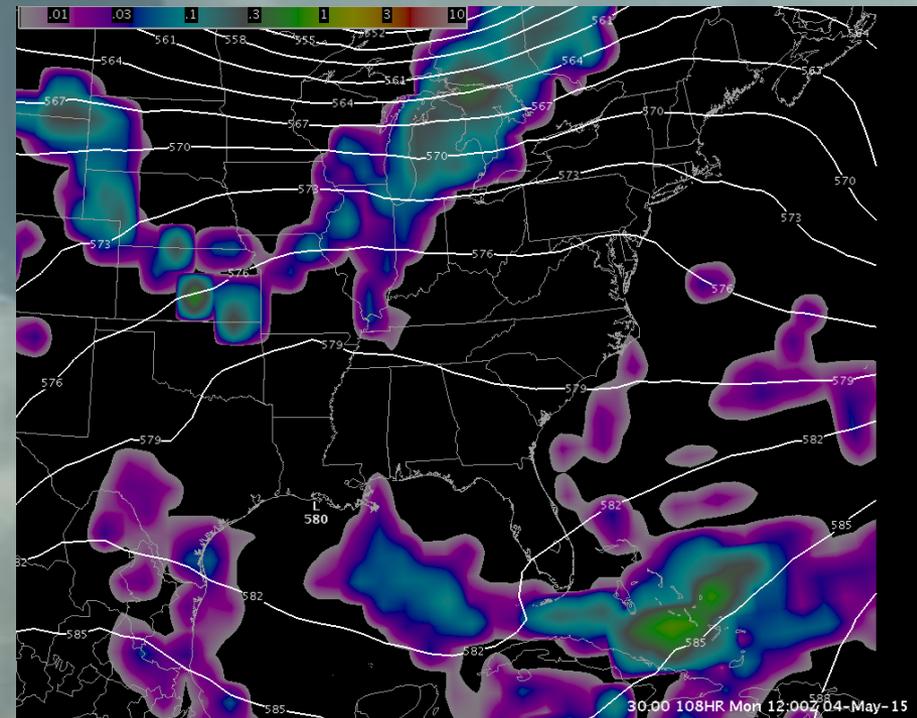


Monday



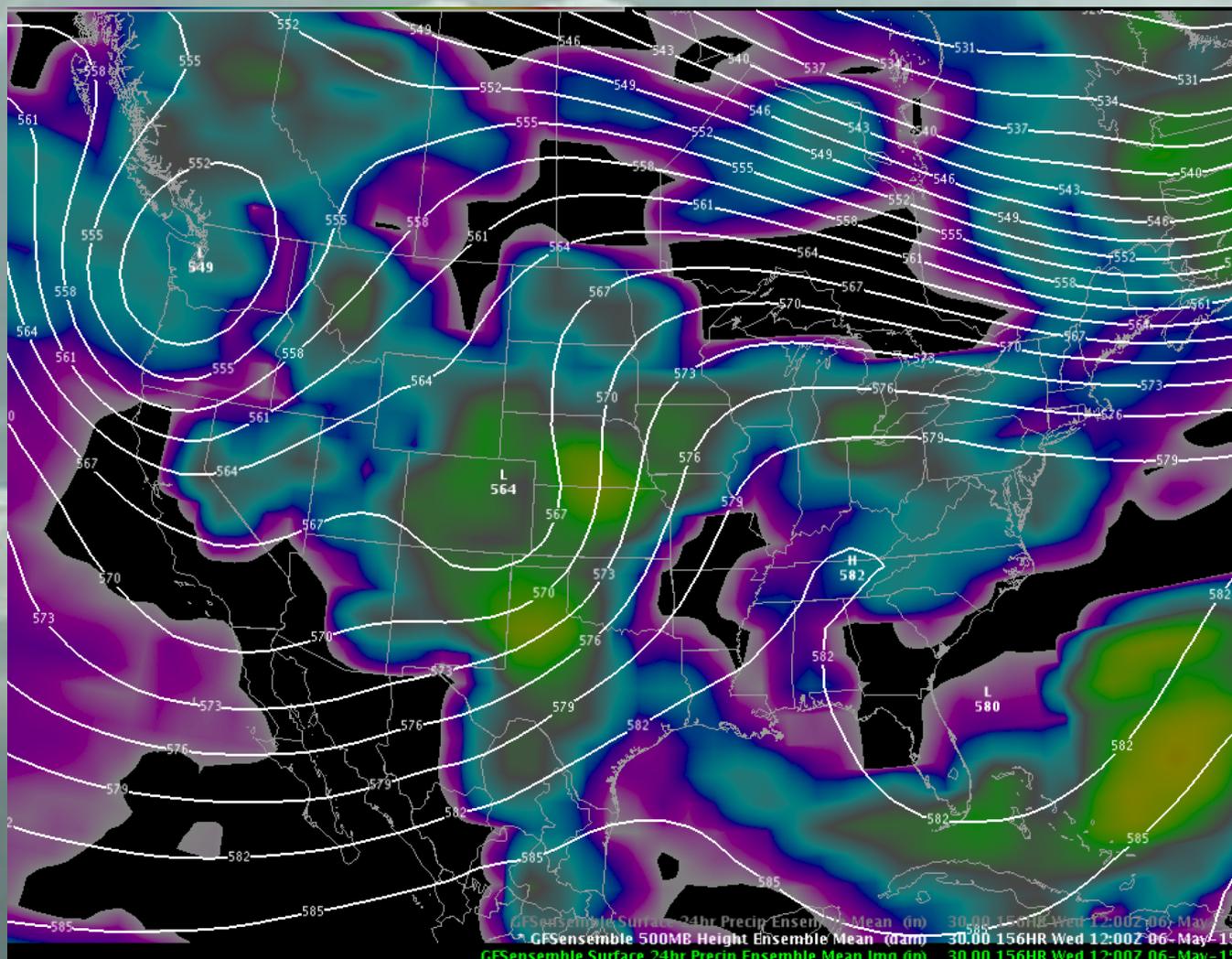
Upper Levels

Surface



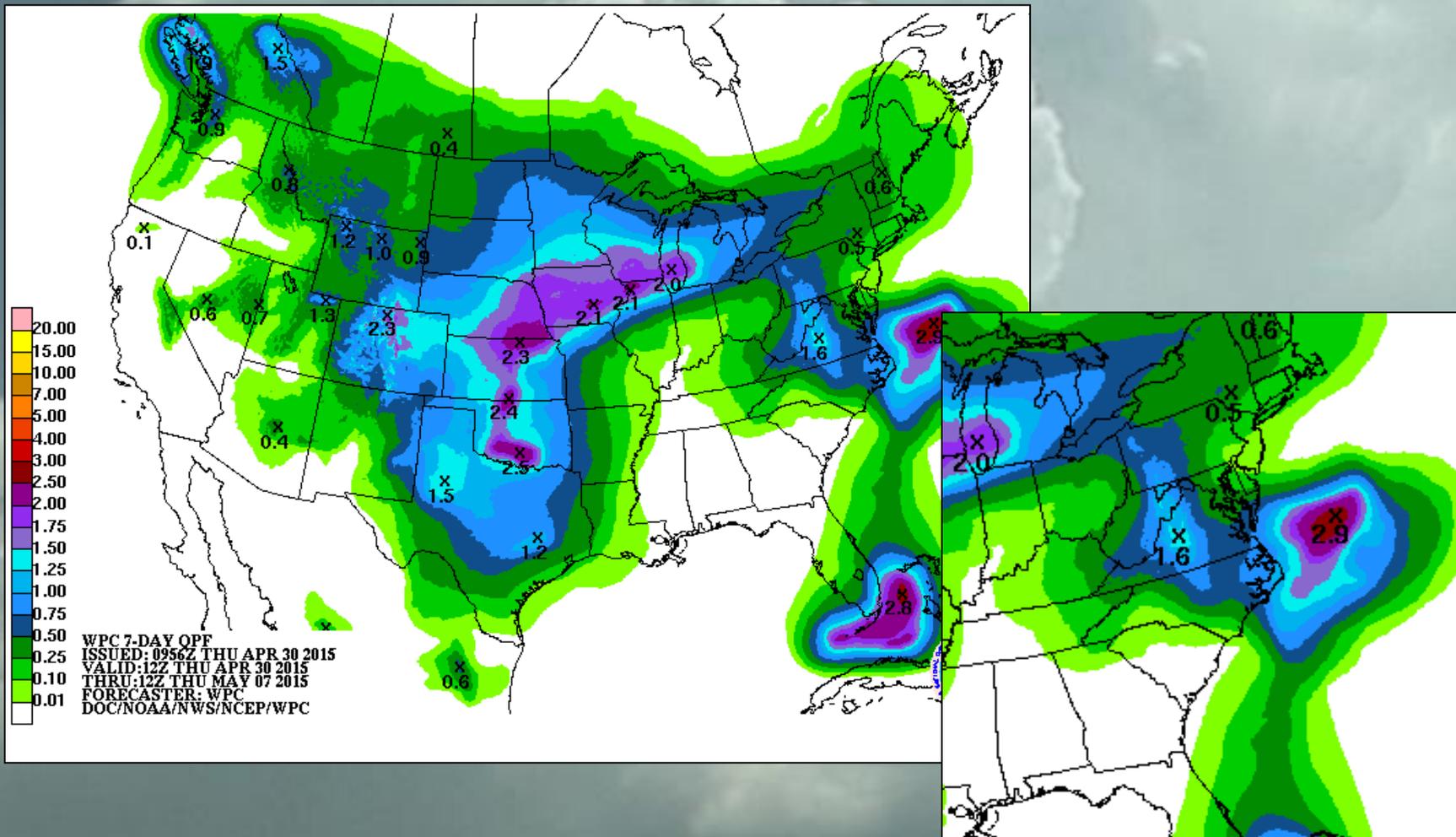


Next Week



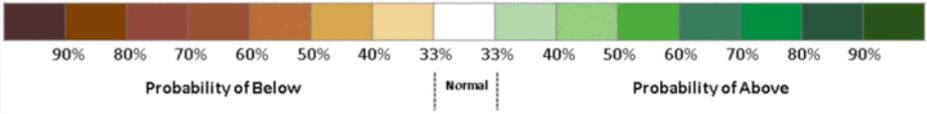
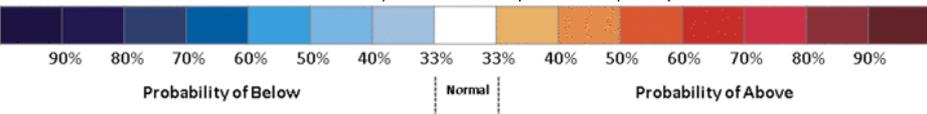
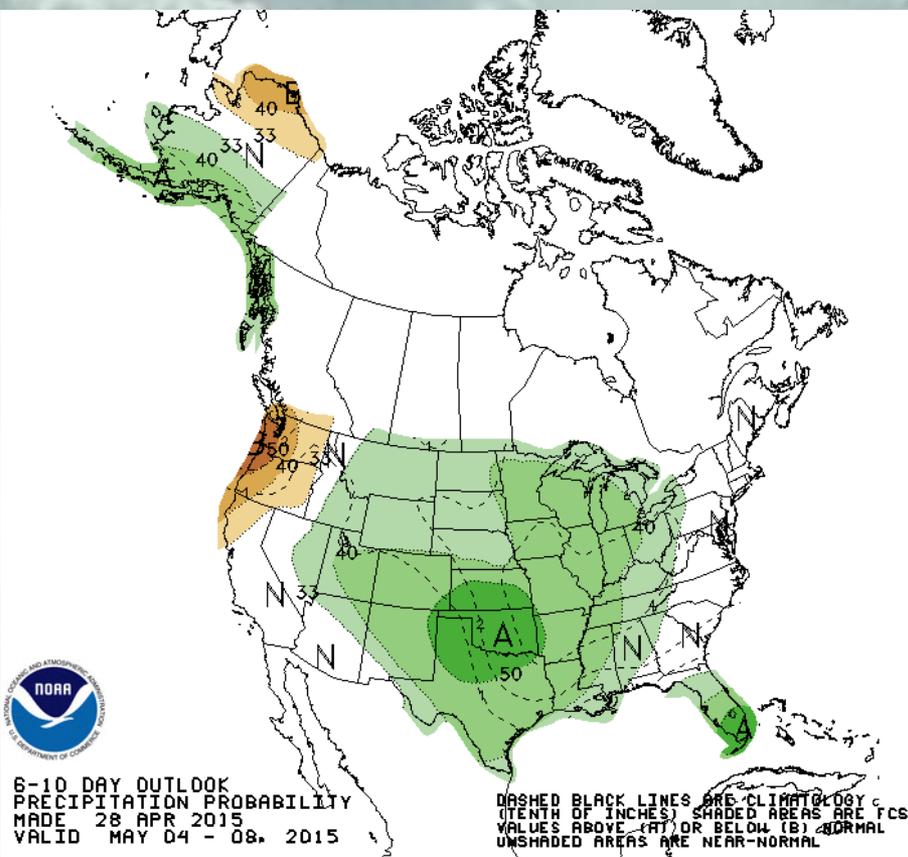
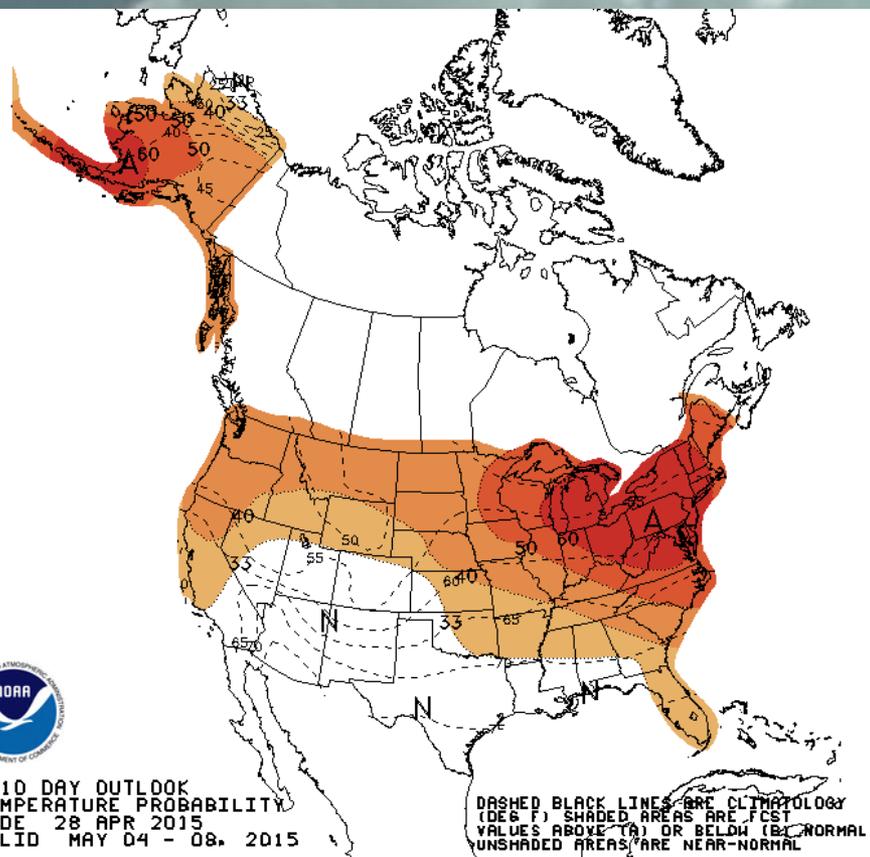


7-Day Forecast Rainfall



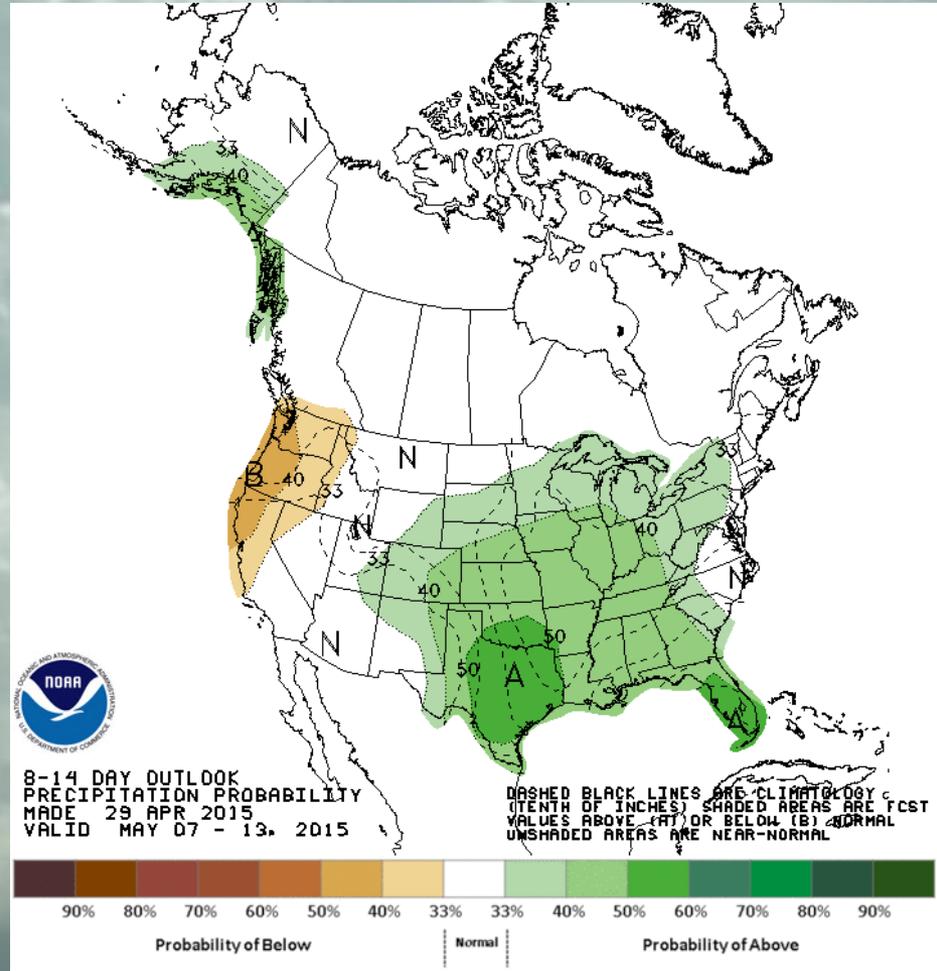
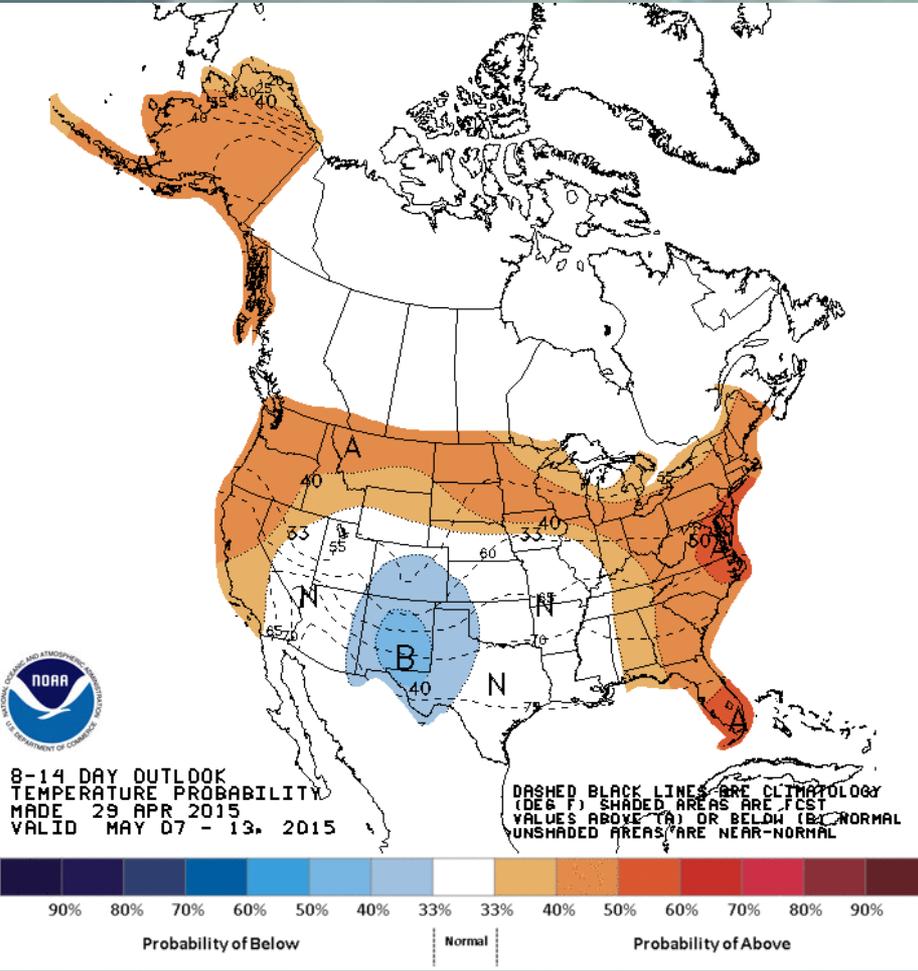


6-10 Day Outlook



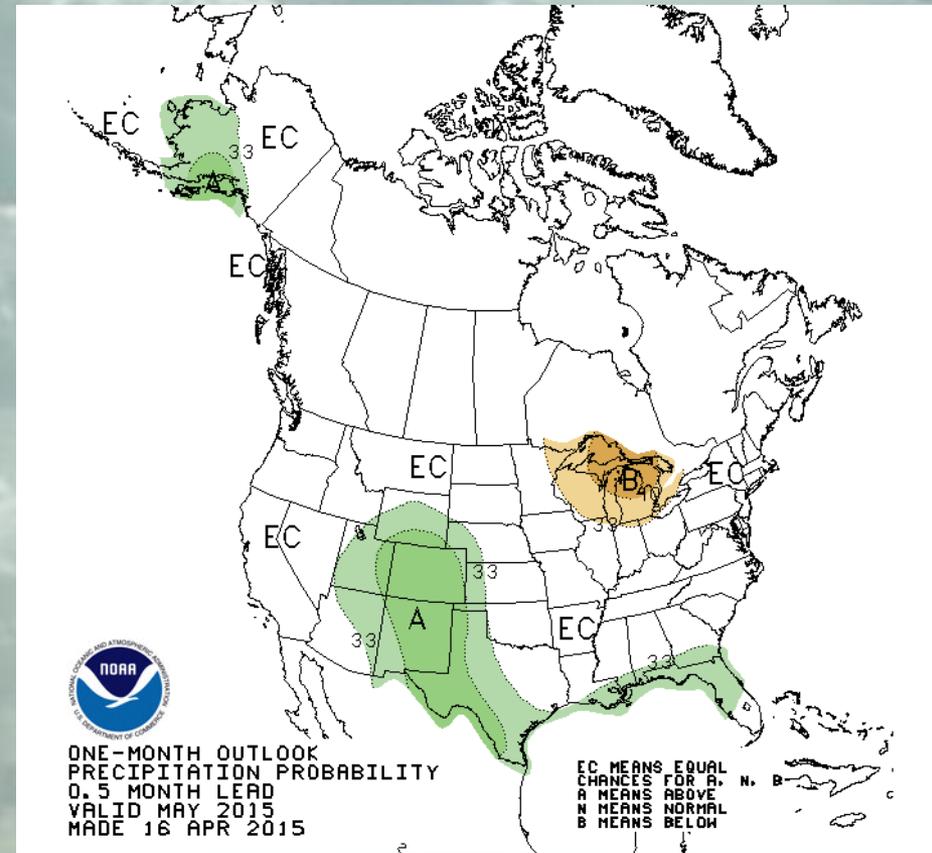
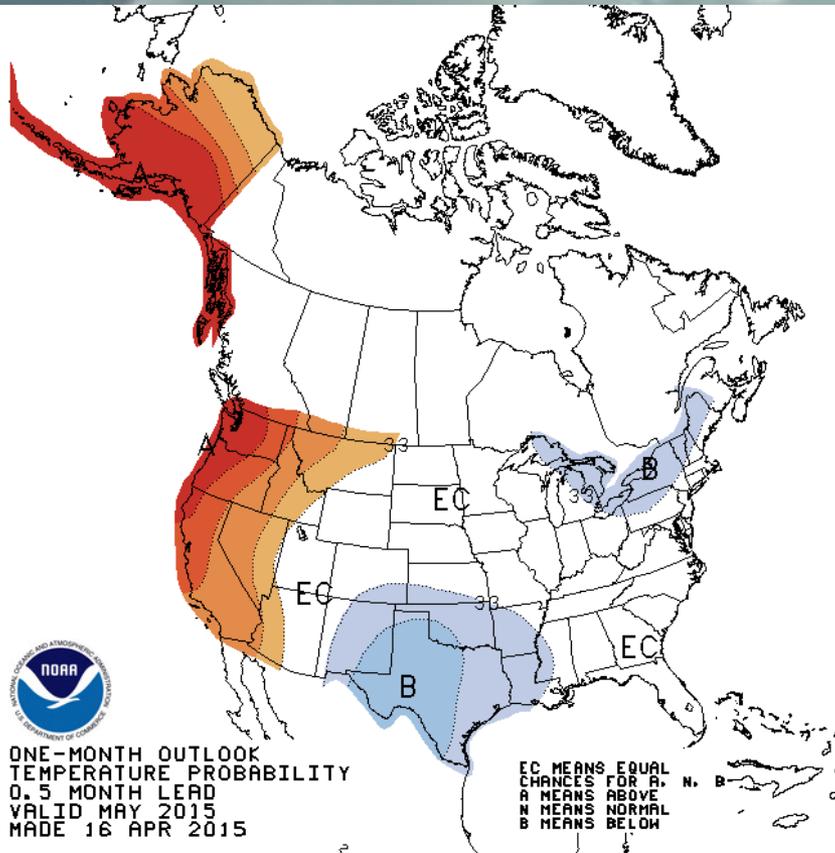


8-14 Day Outlook





1 Month Outlook

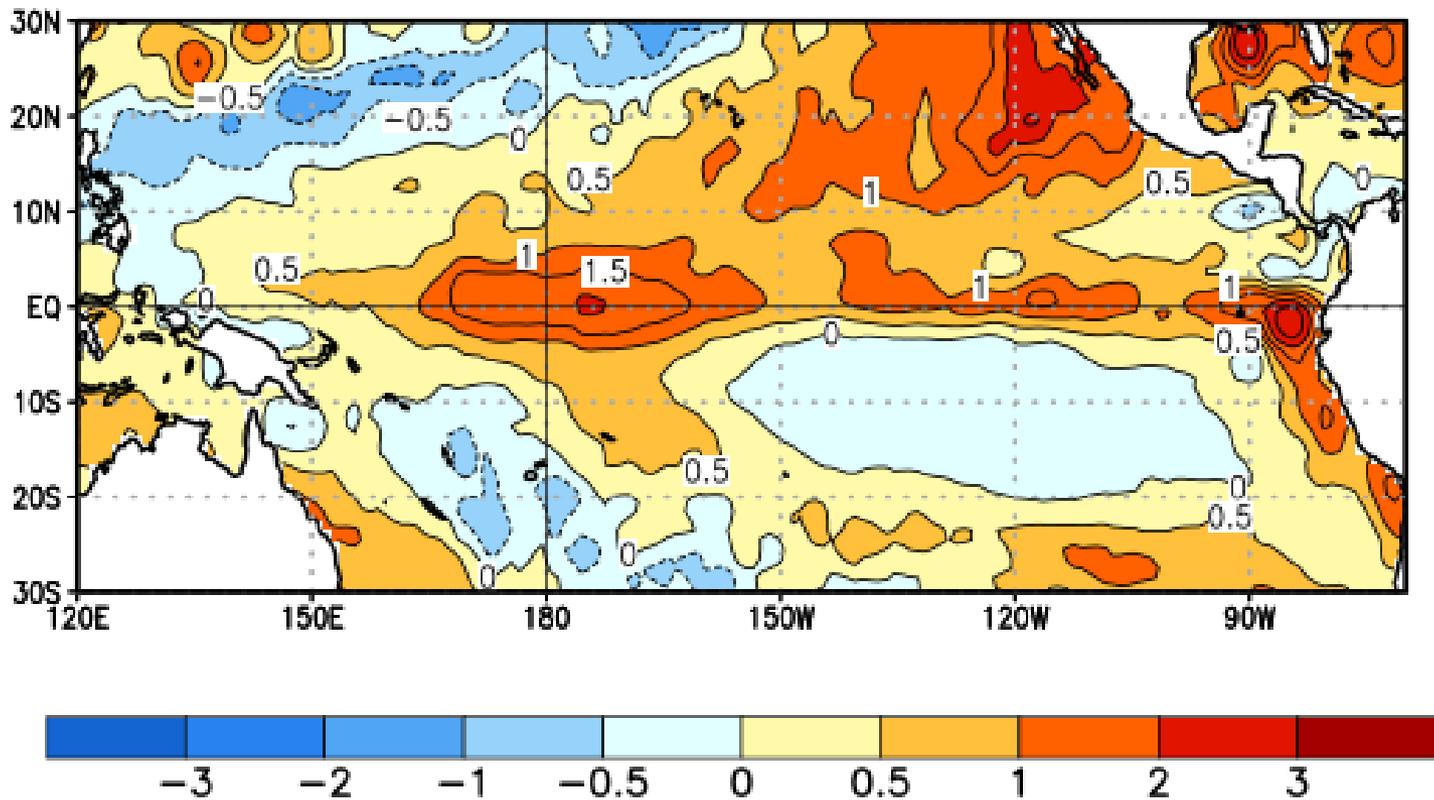




ENSO



Average SST Anomalies
29 MAR 2015 – 25 APR 2015



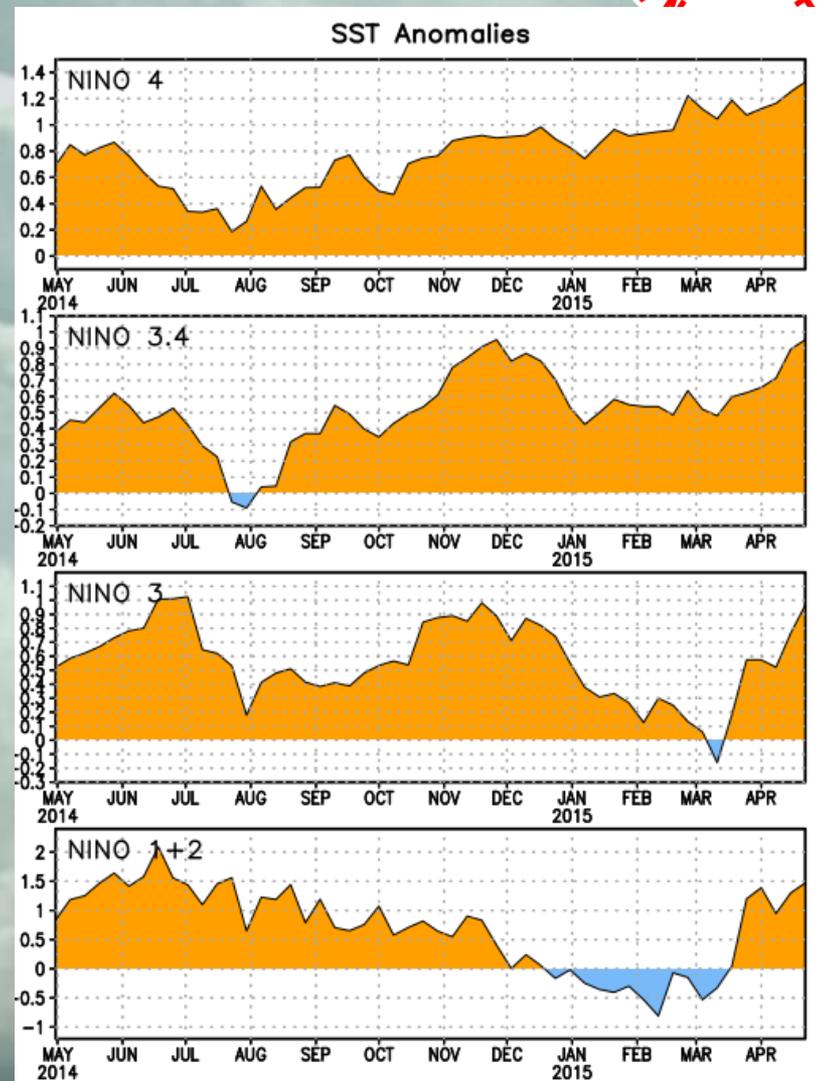
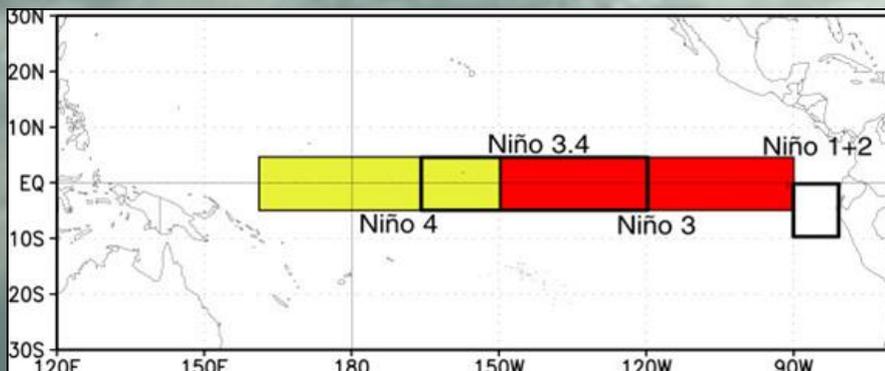


Niño Region SST - Departures Recent Evolution



The latest weekly SST departures are:

Niño 4	1.3°C
Niño 3.4	1.0°C
Niño 3	1.0°C
Niño 1+2	1.5°C





The majority of the models indicate Niño 3.4 SST anomalies will remain greater than or equal to +0.5C through the end of 2015.

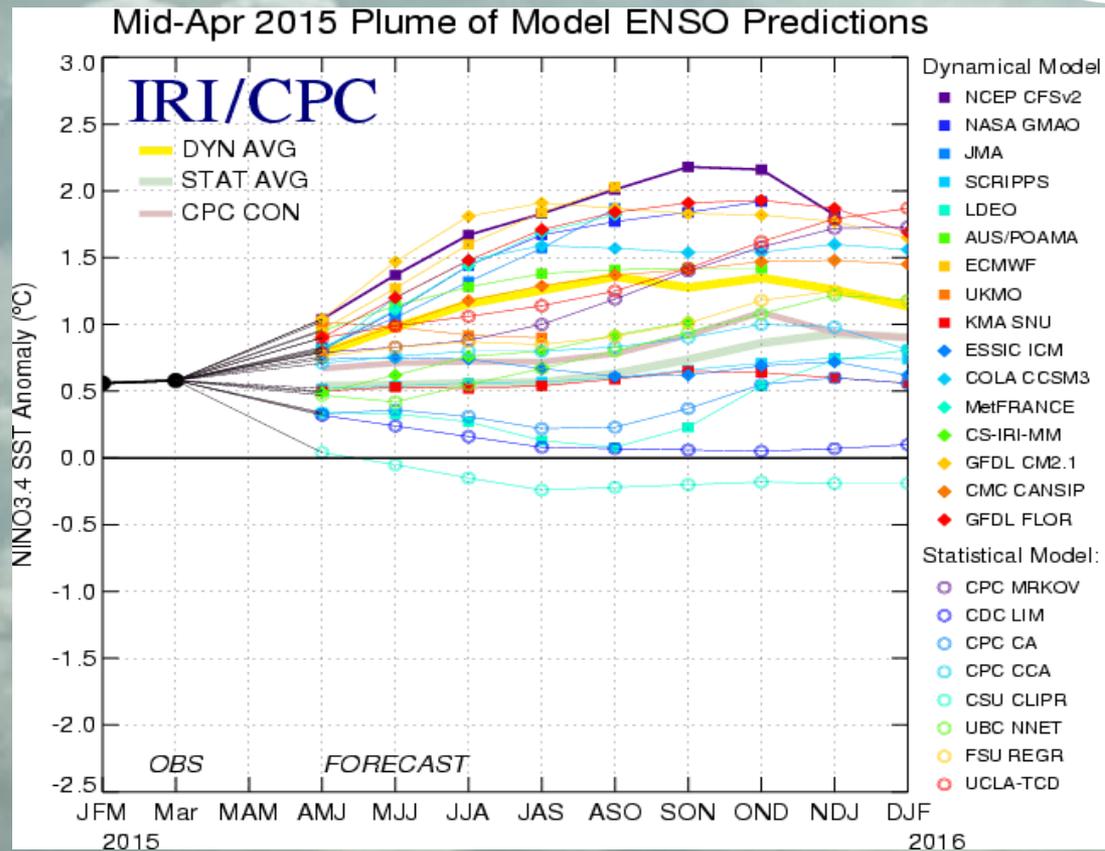
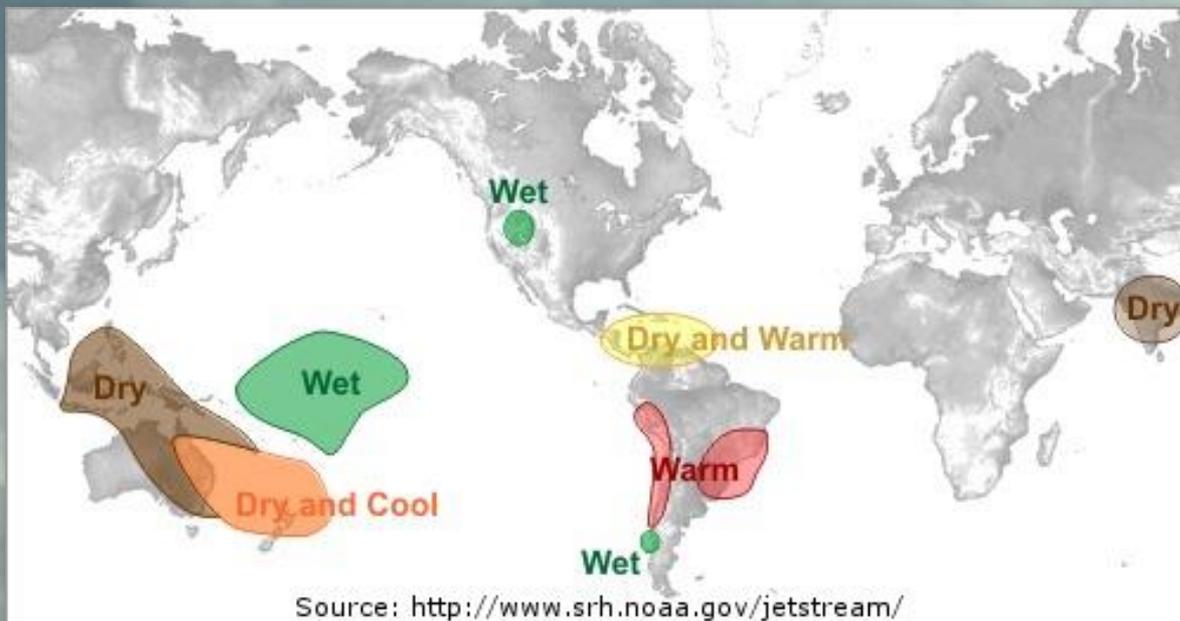


Figure provided by the International Research Institute (IRI) for Climate and Society (updated 14 April 2015).

What does that mean for me?

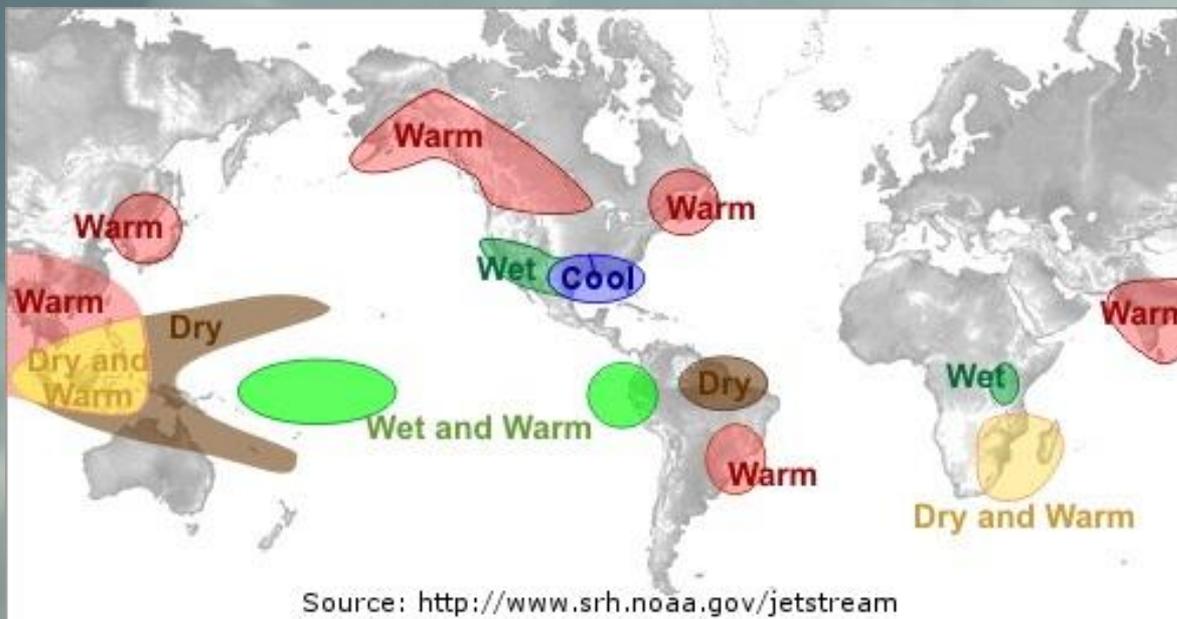
June through August El Niño Effects



- Increased wind shear over Caribbean and Atlantic
- Can prevent tropical disturbances from developing into hurricanes

What does that mean for me?

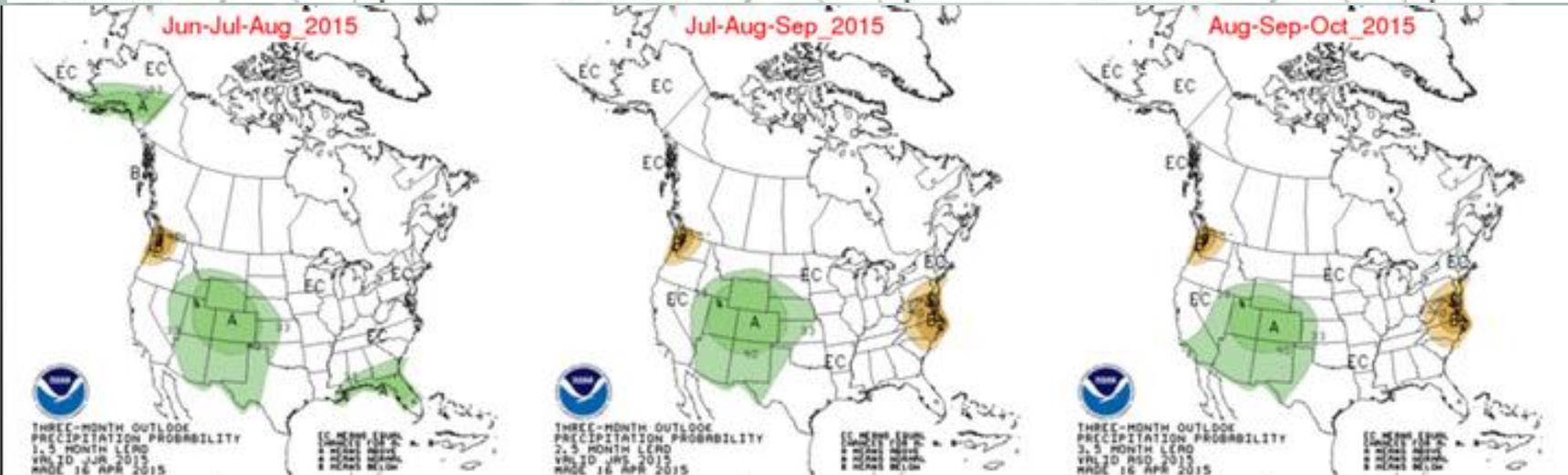
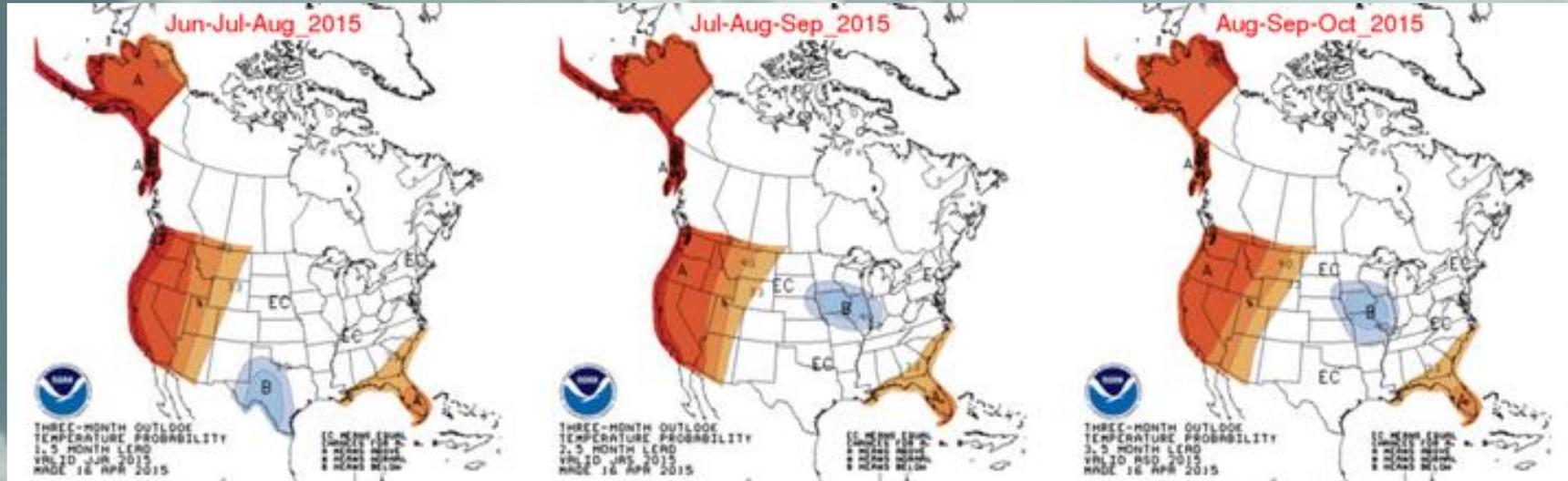
December through February El Niño Effects



- More precipitation in the Southeast
- Cooler than normal temperatures in the Southeast



Seasonal Outlook

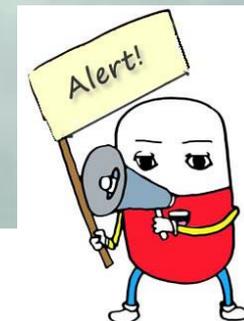




Outlook Updates



ENSO Alert System Status: El Niño Advisory



- El Niño conditions are present.*
- Positive equatorial sea surface temperature (SST) anomalies continue across most of the Pacific Ocean.
- There is an approximately 70% chance that El Niño conditions will continue through Northern Hemisphere summer 2015, and a greater than 60% chance it will last through autumn.*
- No strong signal for above normal rainfall over the next few months.