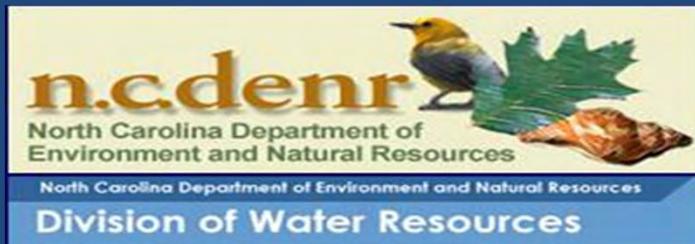


# NC Drought Management Advisory Council

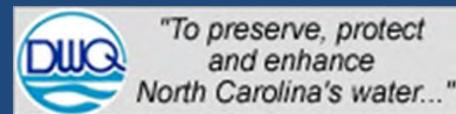
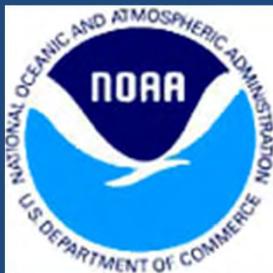
7/21/2011

Michael Money Penny

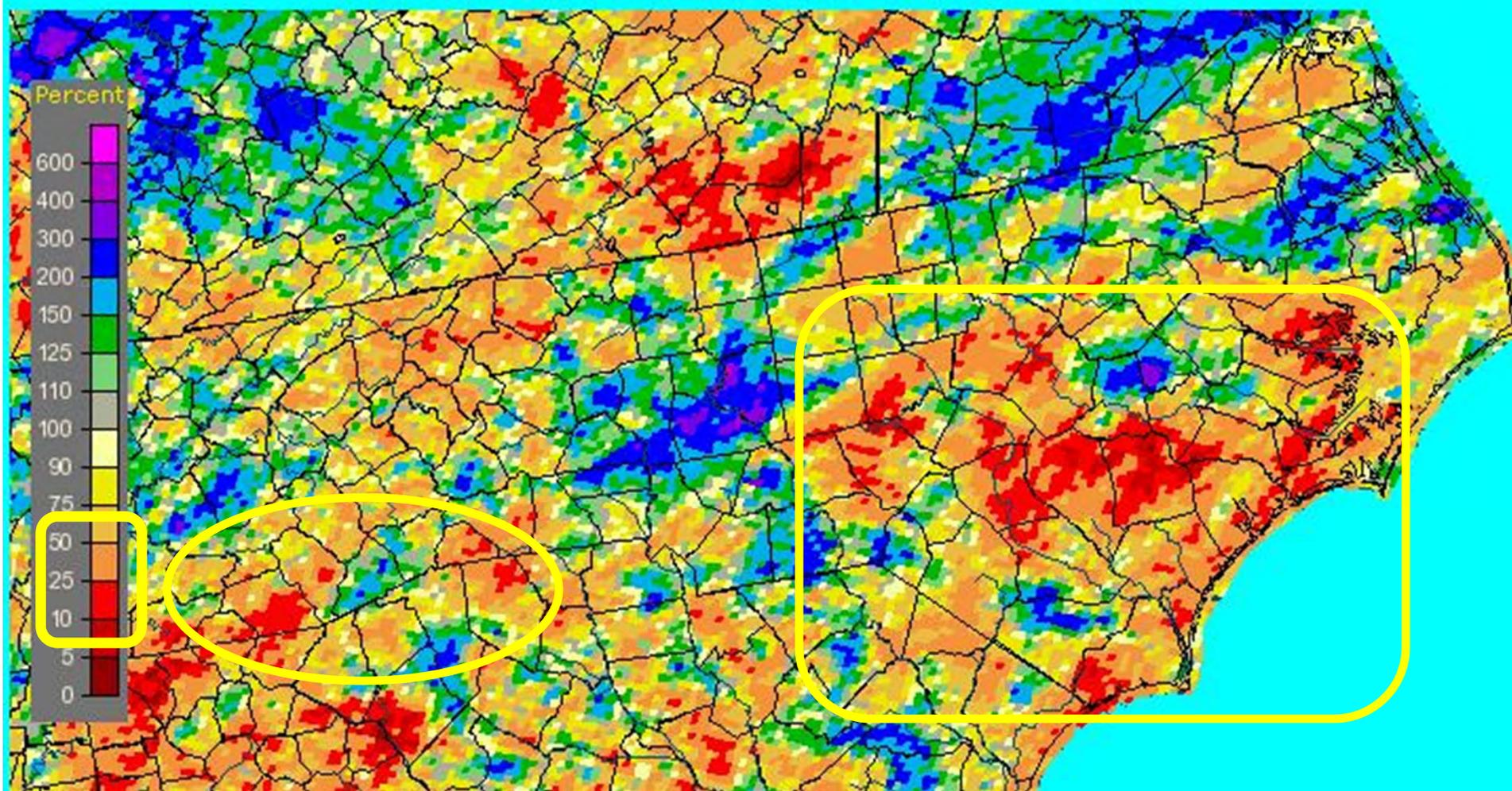
Hydrologist, NWS Raleigh, NC



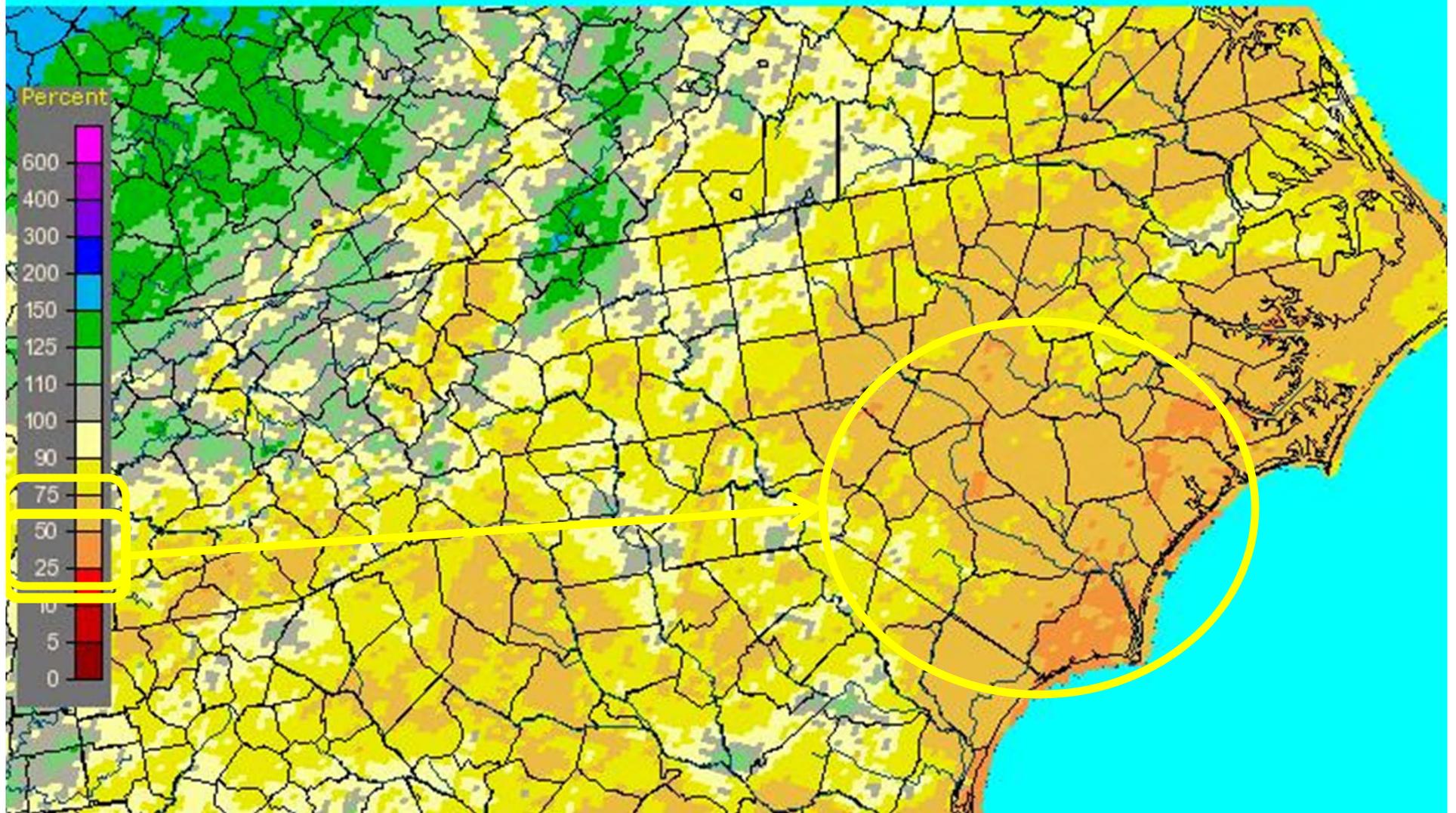
FEMA



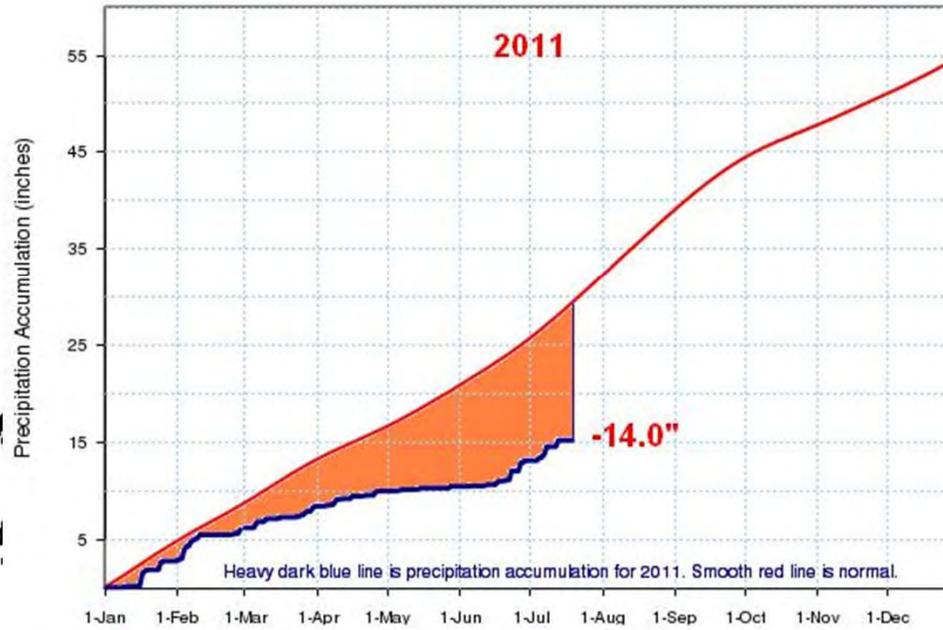
## Percent of Normal Rainfall - Past 2 weeks



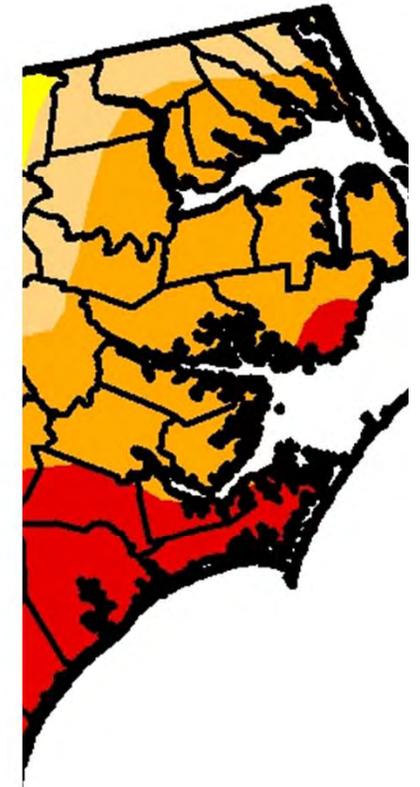
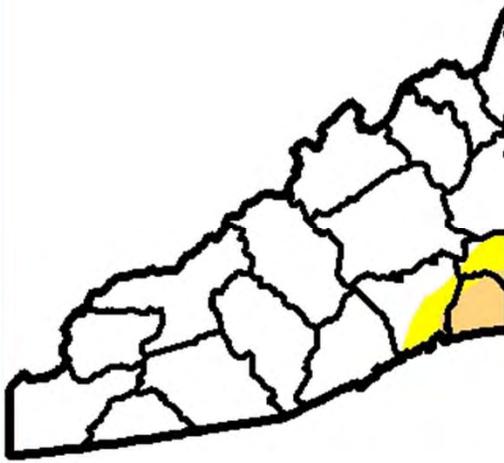
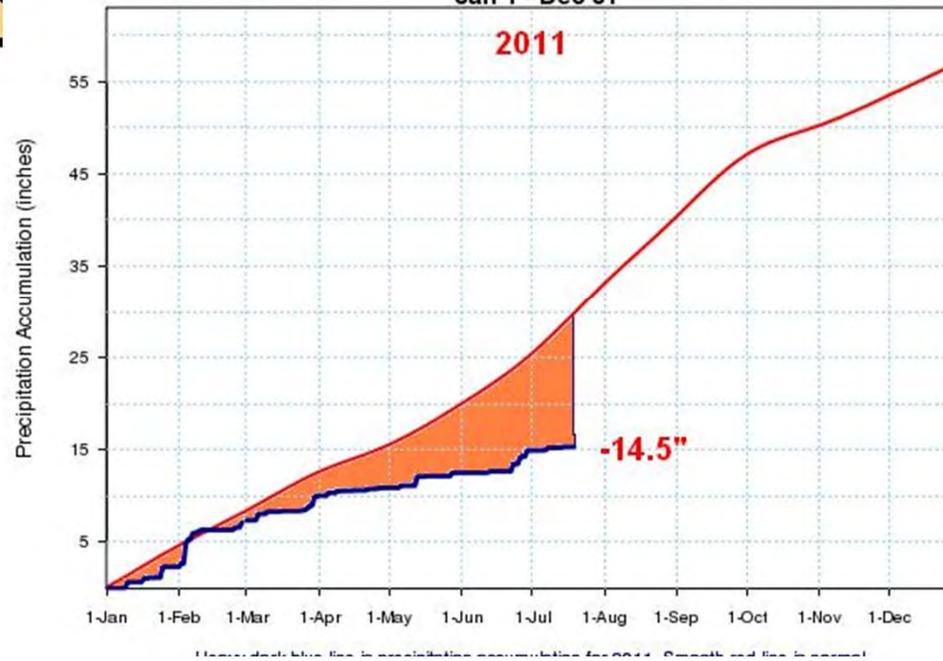
## Percent of Normal Precipitation - Year to Date



Precipitation Summary for NEW BERN CRAVEN CO AP  
Jan 1 - Dec 31

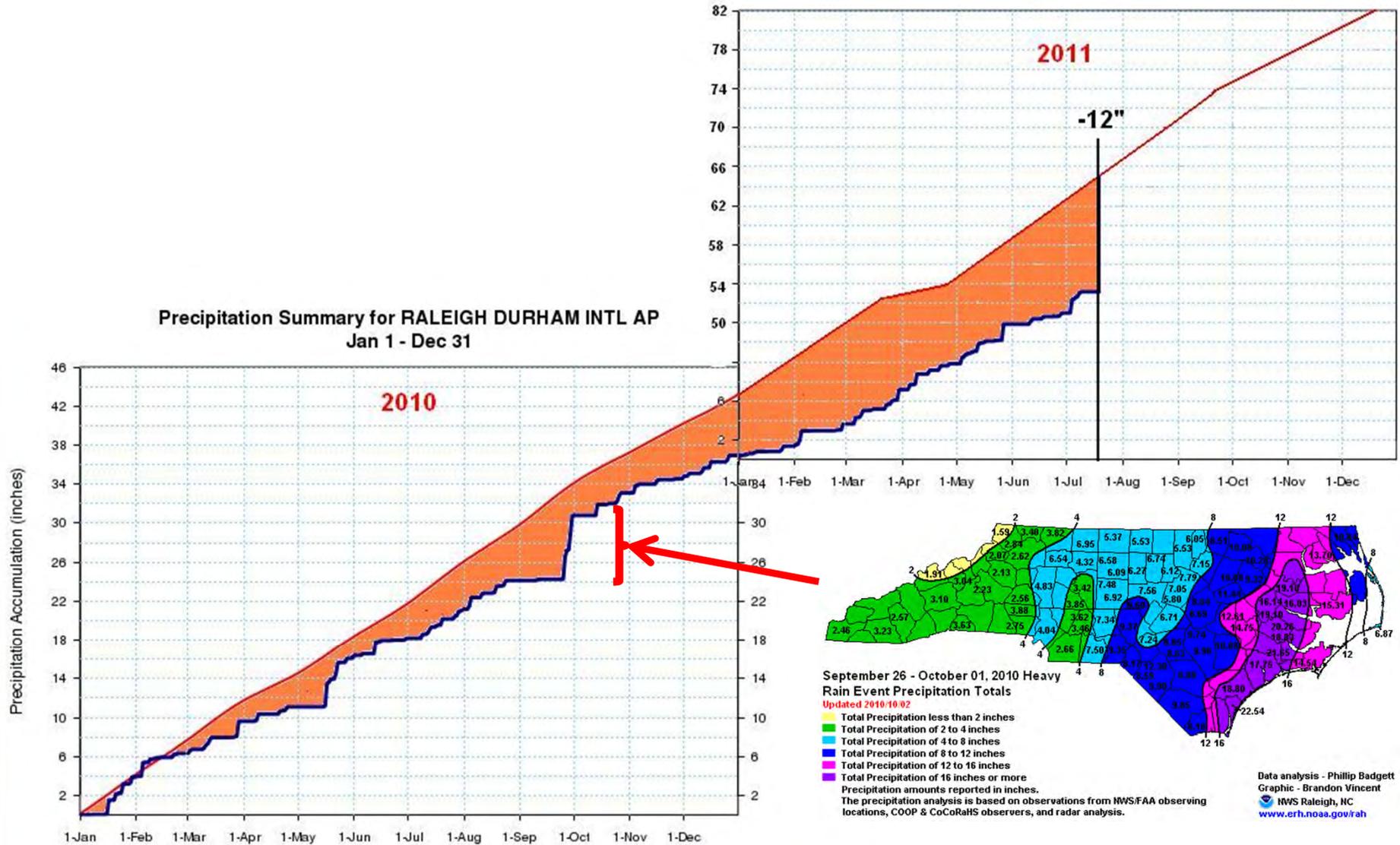


Precipitation Summary for WILMINGTON INTL AP  
Jan 1 - Dec 31



# RDU Precipitation vs Normal

Precipitation Summary for RALEIGH DURHAM INTL AP  
Jan 1 - Dec 31

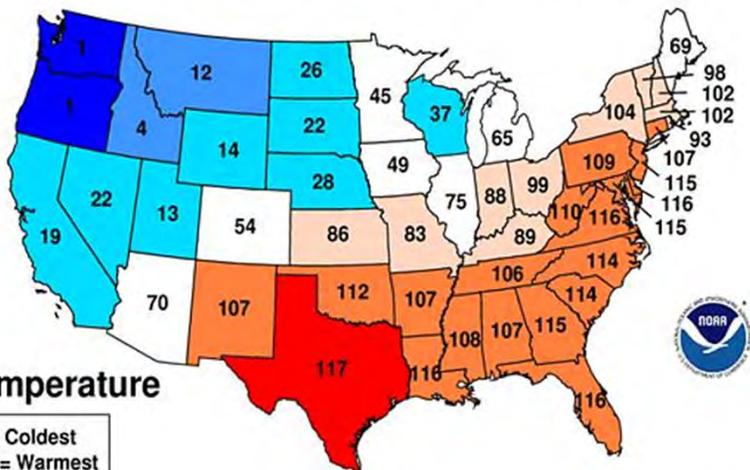


Heavy dark blue line is precipitation accumulation for 2010. Smooth red line is normal.

Data analysis - Phillip Badgett  
Graphic - Brandon Vincent  
NWS Raleigh, NC  
[www.erh.noaa.gov/rah](http://www.erh.noaa.gov/rah)

# April-June 2011 Statewide Ranks

National Climatic Data Center/NESDIS/NOAA



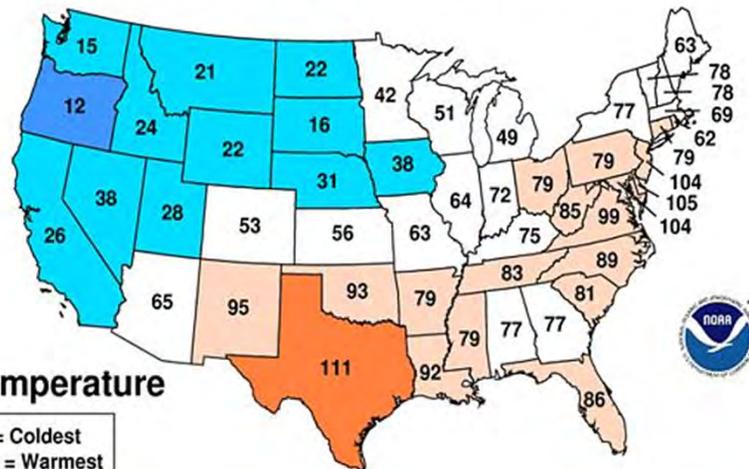
## Temperature

1 = Coldest  
117 = Warmest



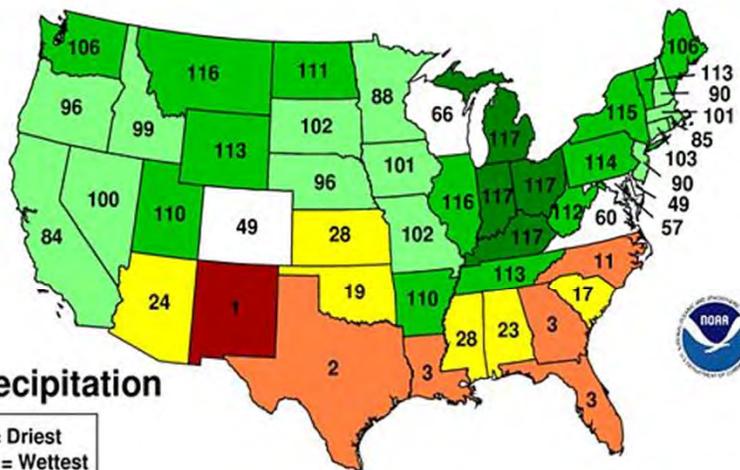
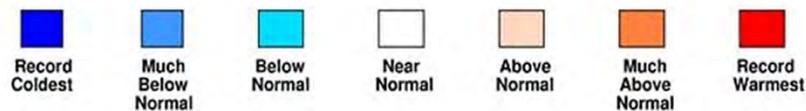
# January-June 2011 Statewide Ranks

National Climatic Data Center/NESDIS/NOAA



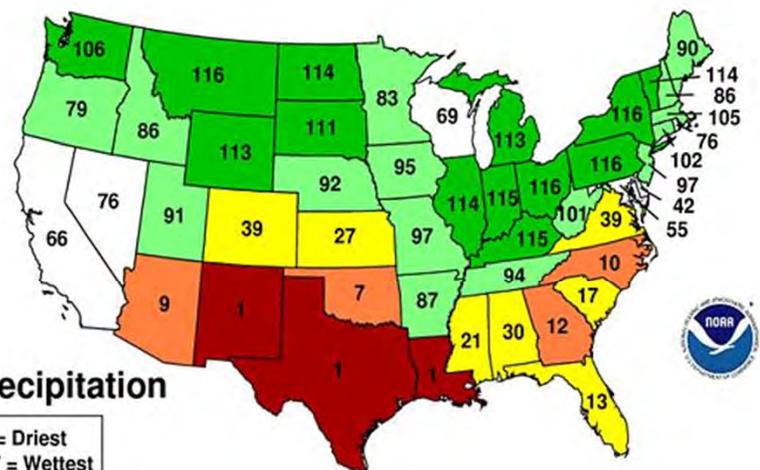
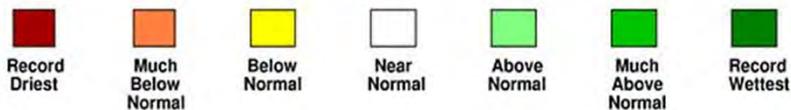
## Temperature

1 = Coldest  
117 = Warmest



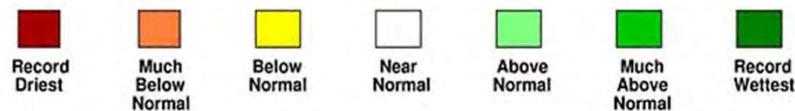
## Precipitation

1 = Driest  
117 = Wettest



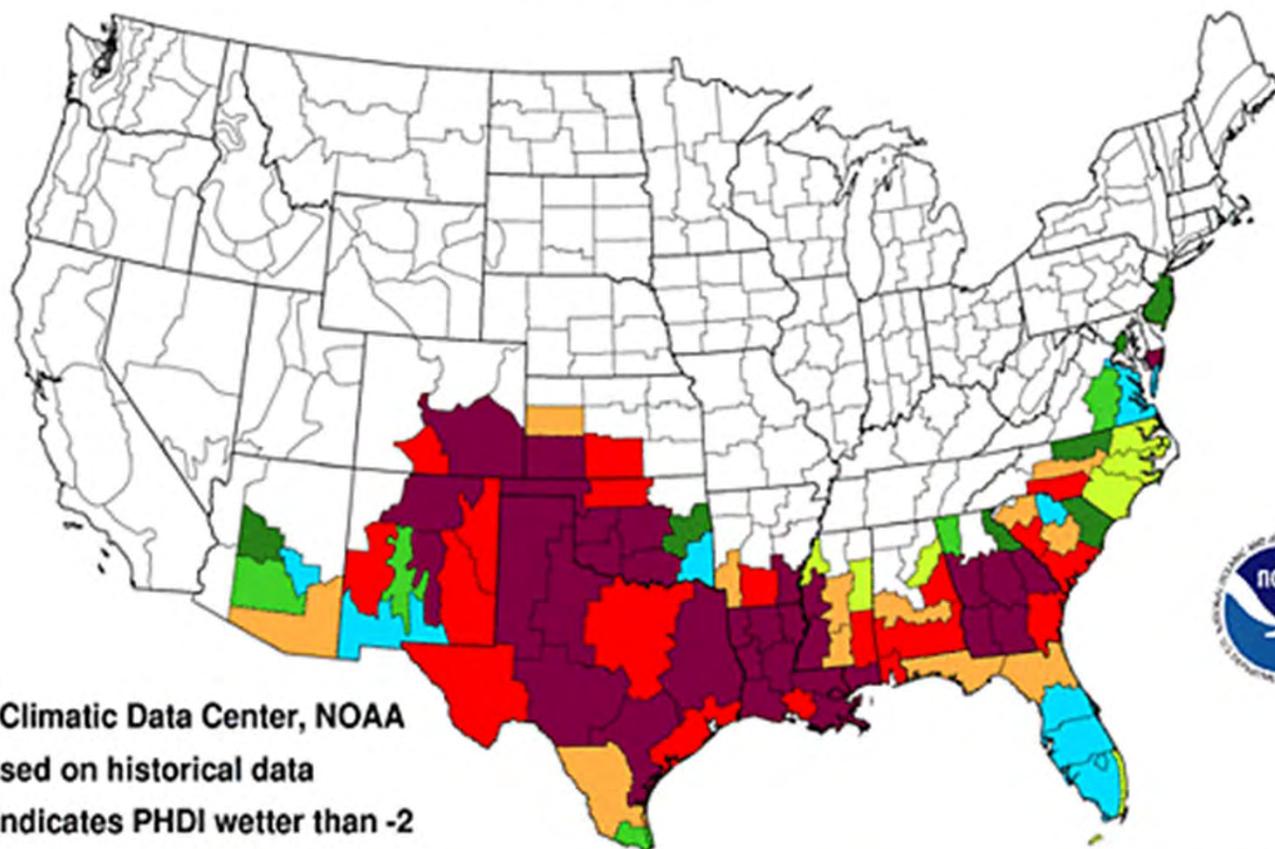
## Precipitation

1 = Driest  
117 = Wettest



# Probability of Precipitation Required to Ameliorate Current Drought Conditions in Three Months

June 2011



National Climatic Data Center, NOAA  
Based on historical data  
White indicates PHDI wetter than -2



0  
to  
8.56%



8.57%  
to  
17.12%



17.13%  
to  
25.68%



25.69%  
to  
34.24%



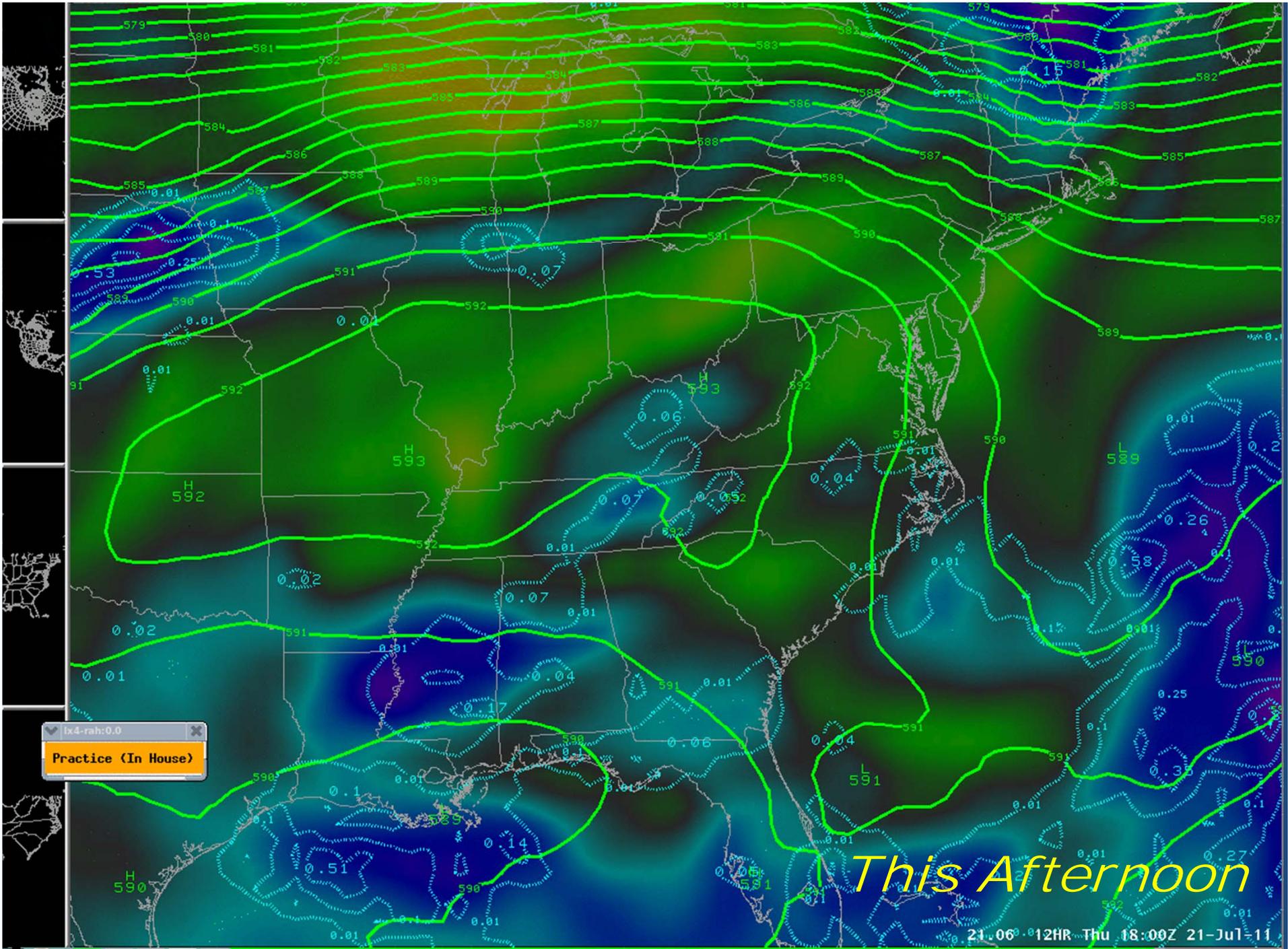
34.25%  
to  
42.81%



42.82%  
to  
51.37%

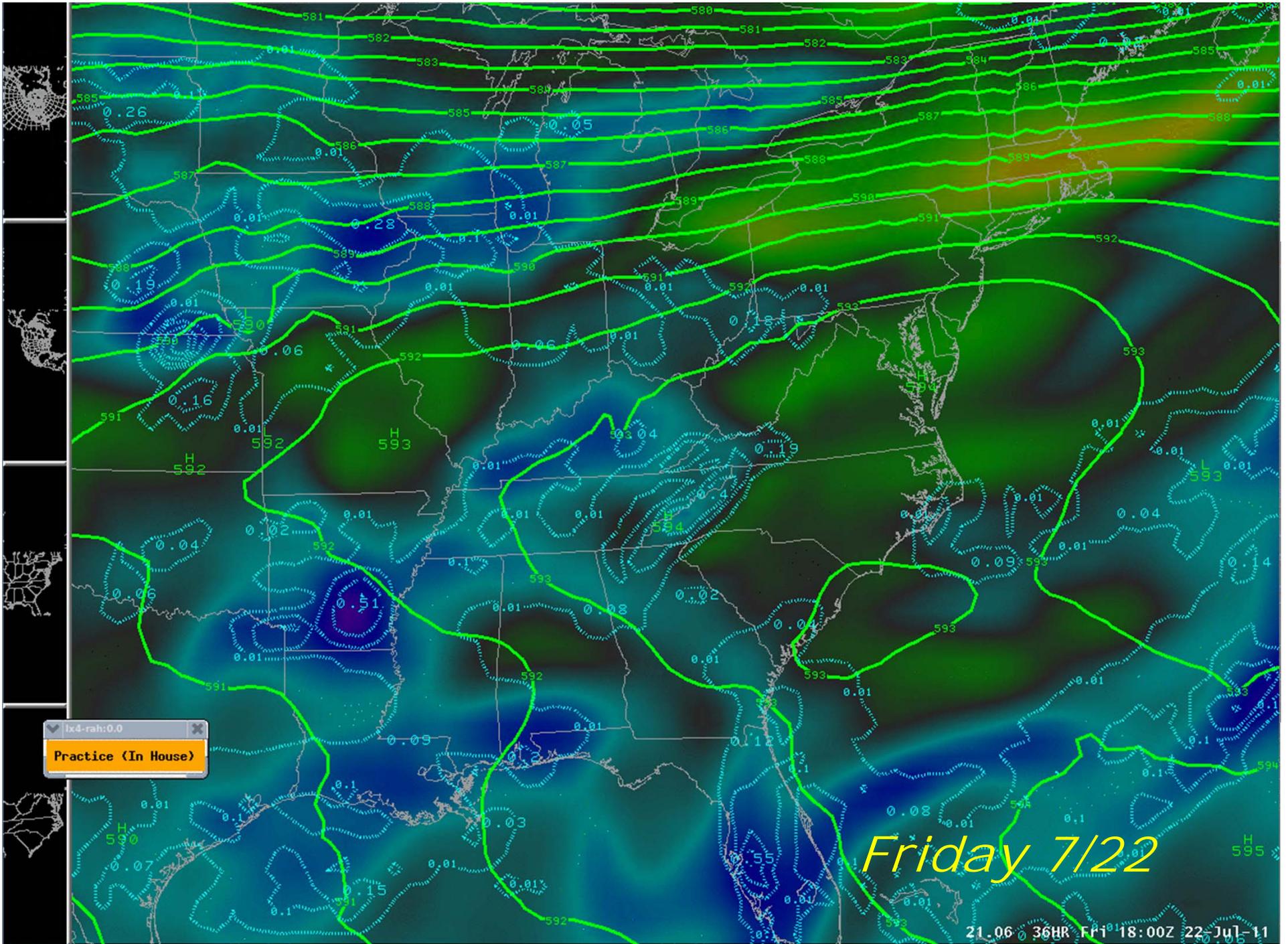


51.38%  
to  
59.93%



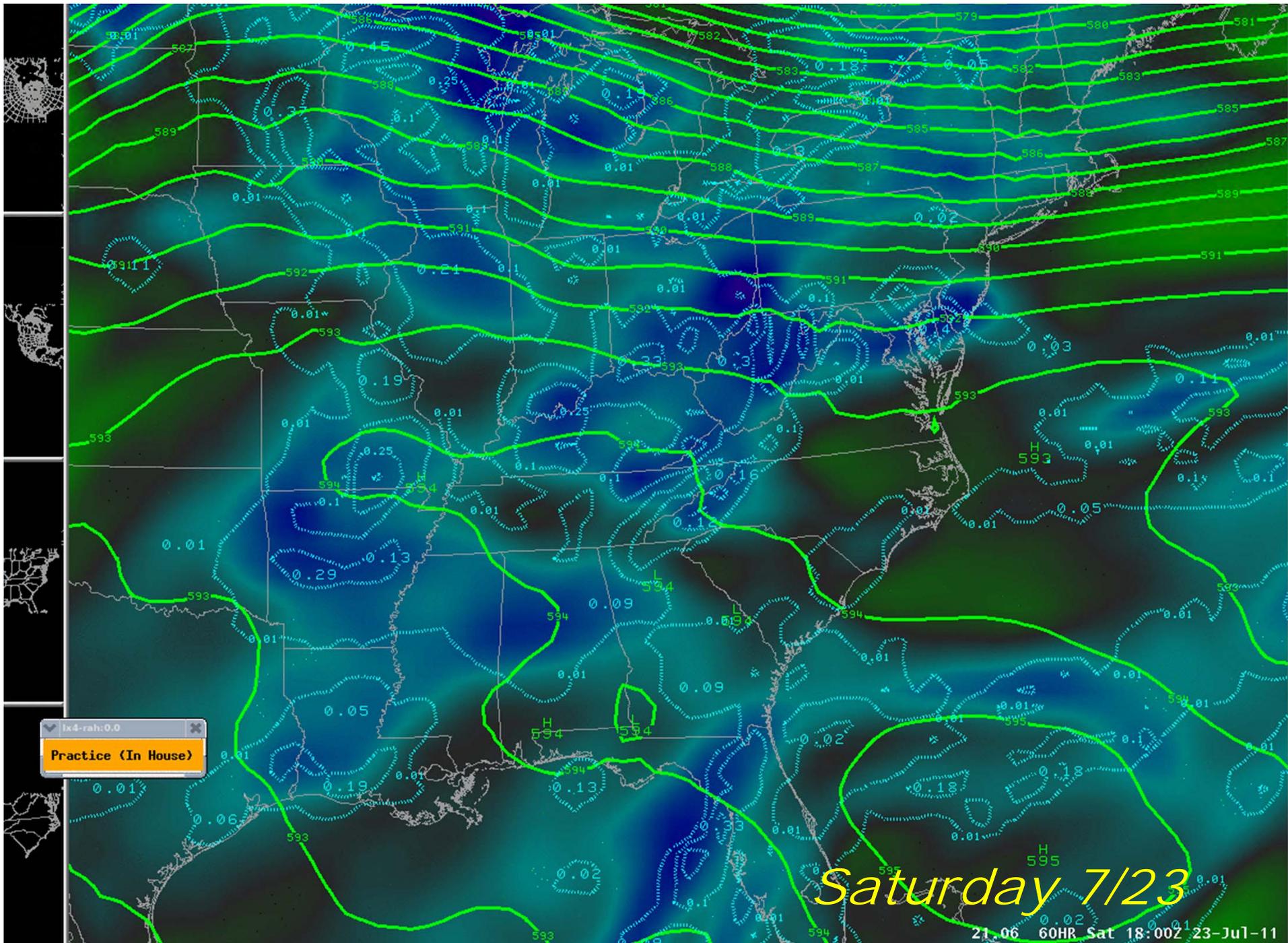
*This Afternoon*

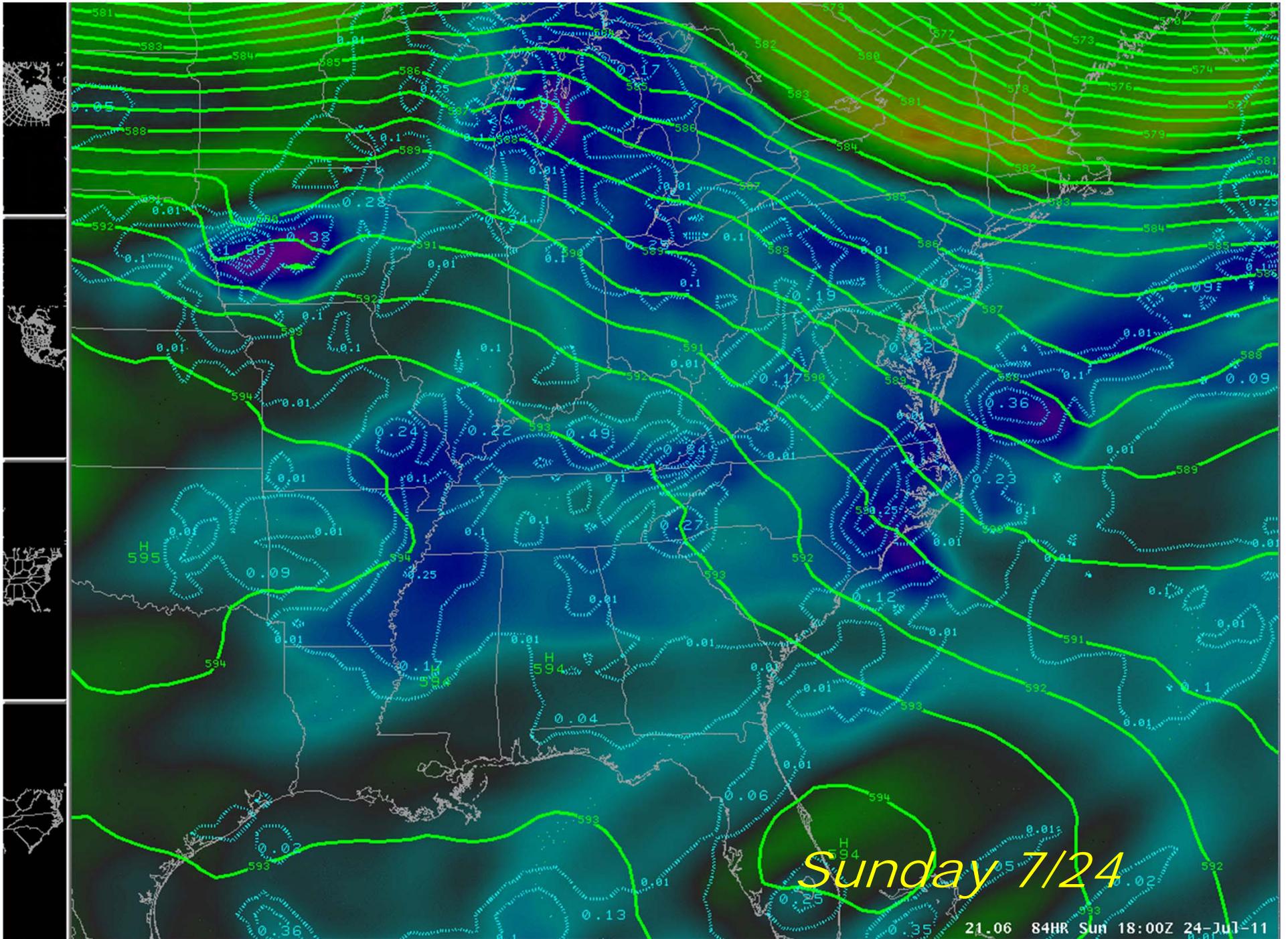
lx4-rah:0.0  
Practice (In House)



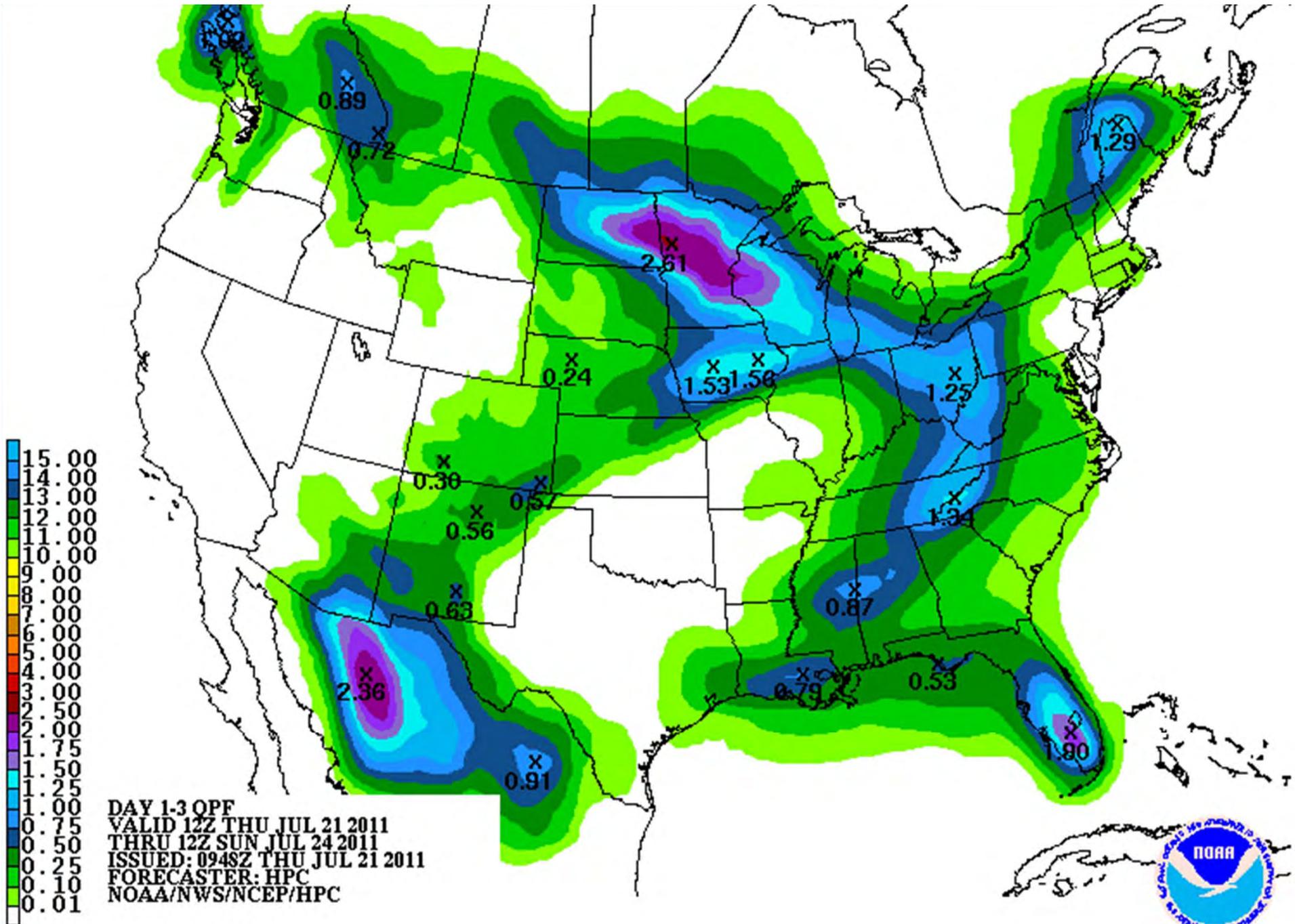
Friday 7/22

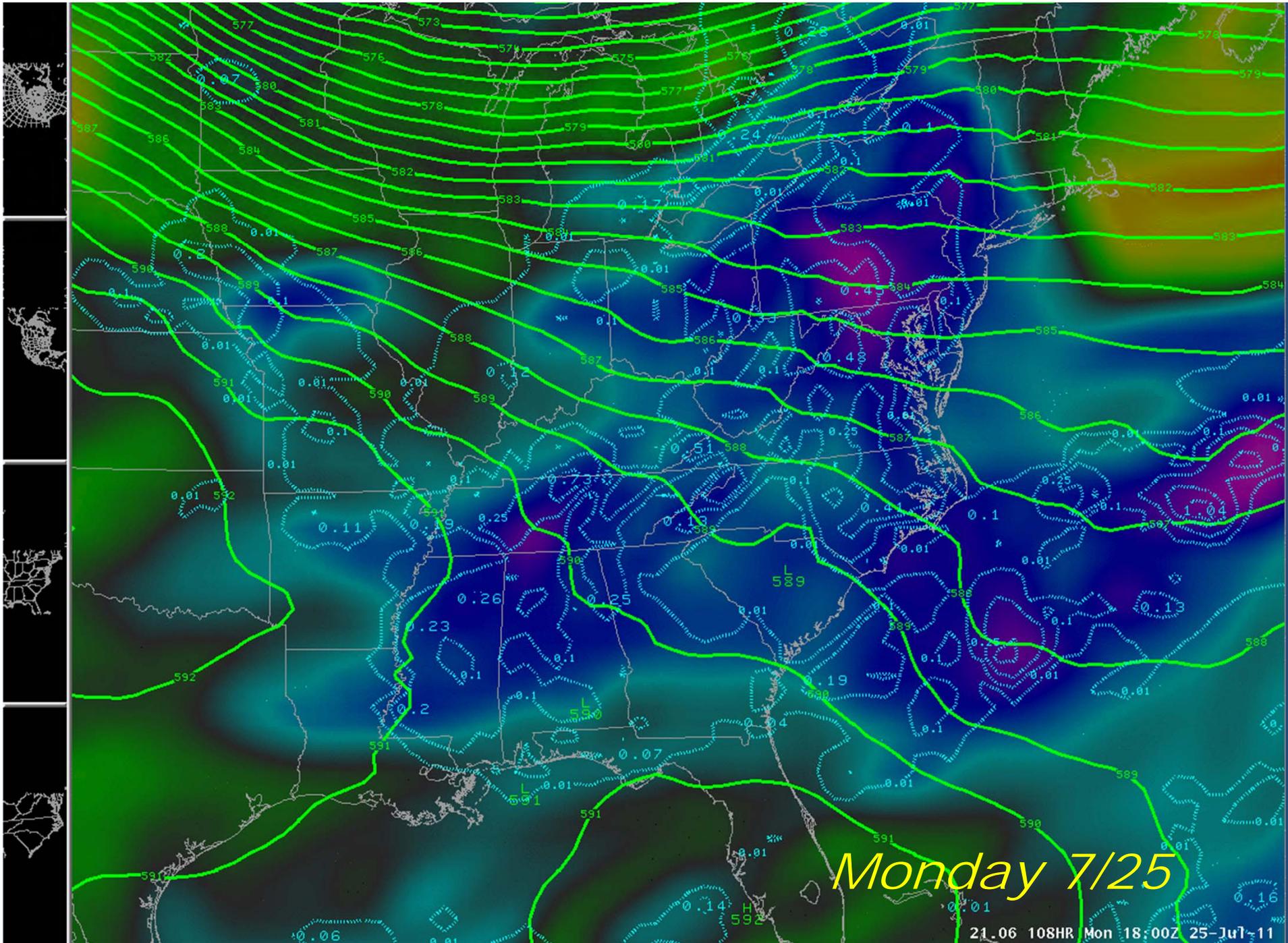
21.06 36HR Fri 18:00Z 22-Jul-11

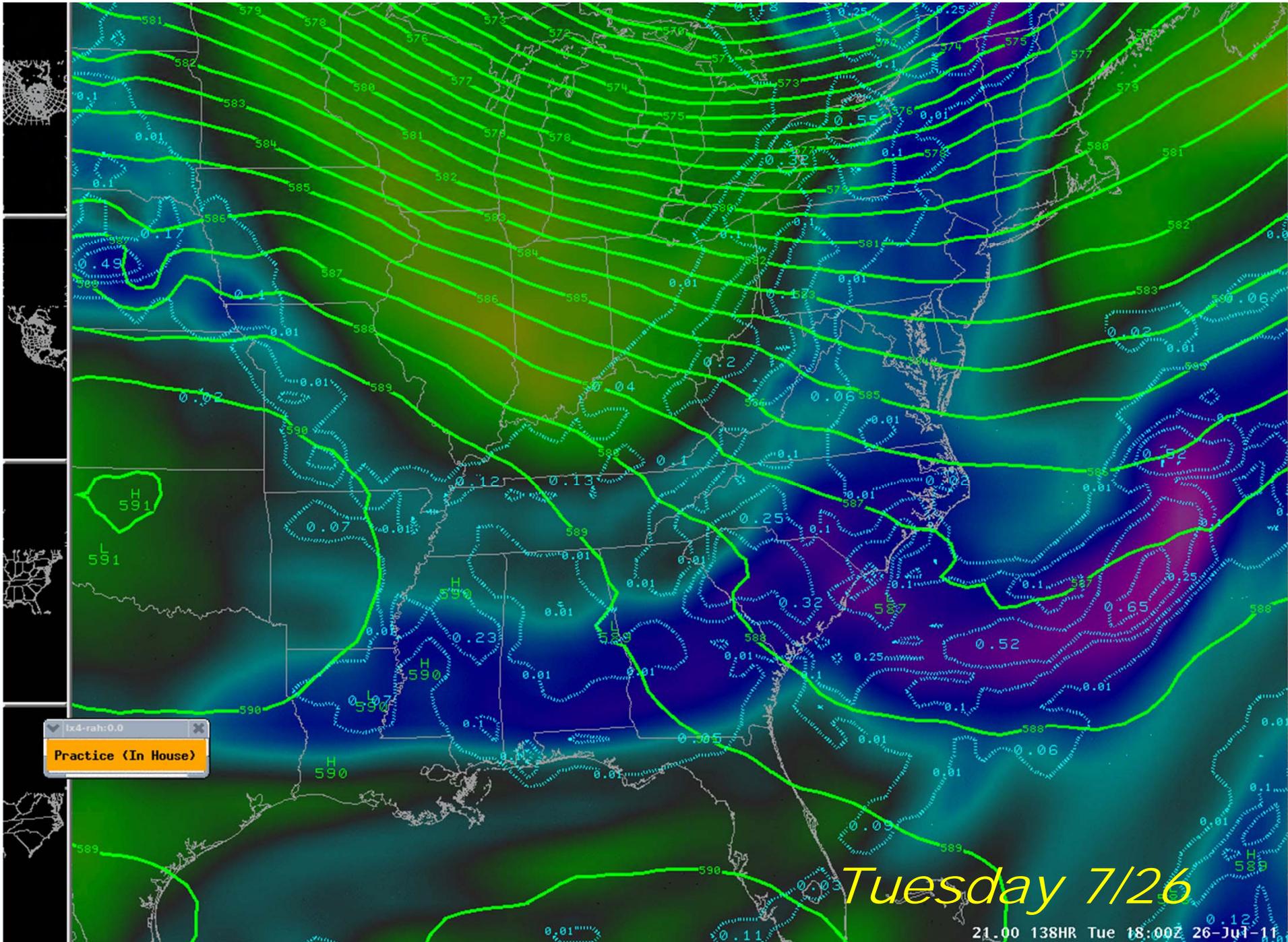


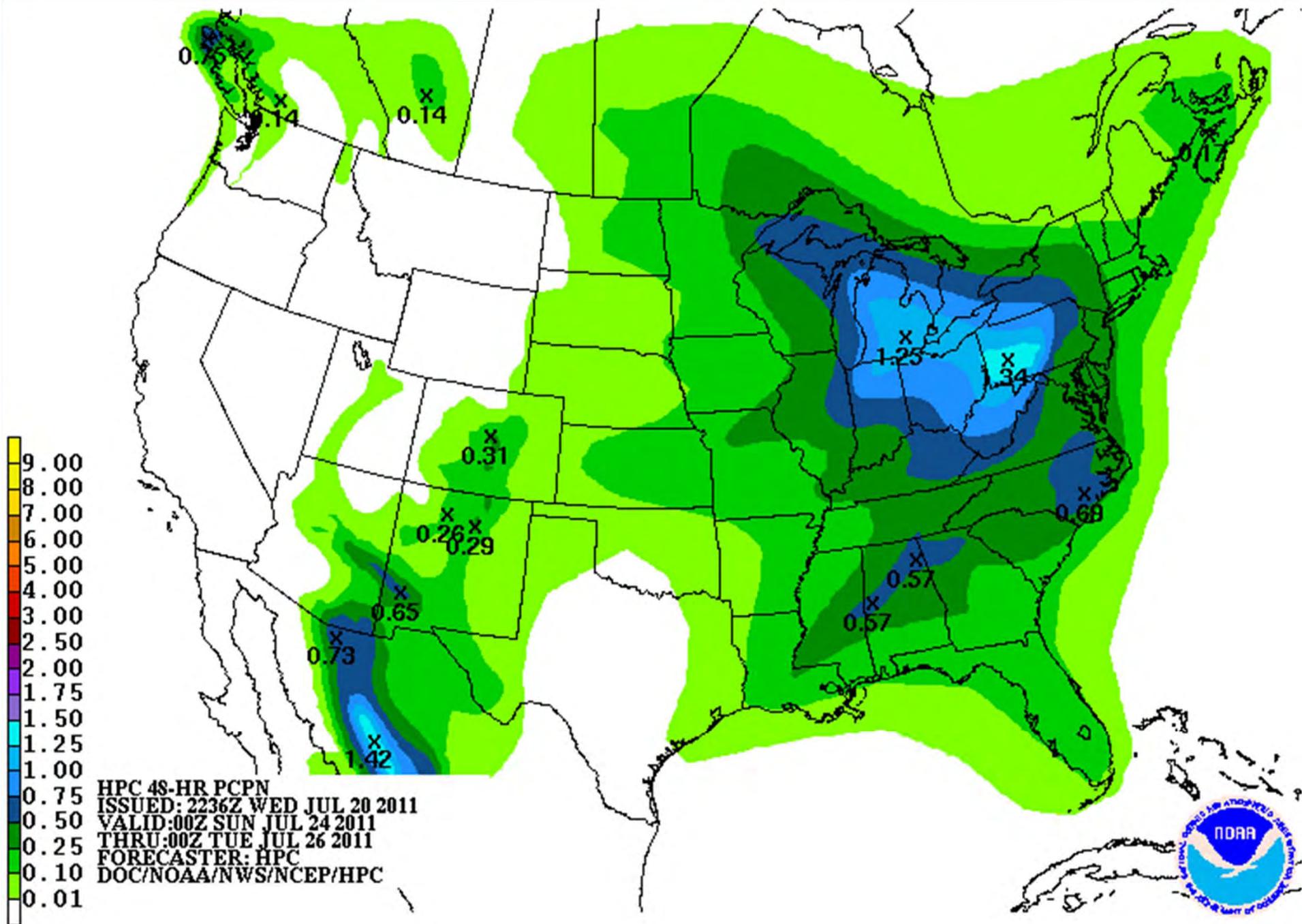


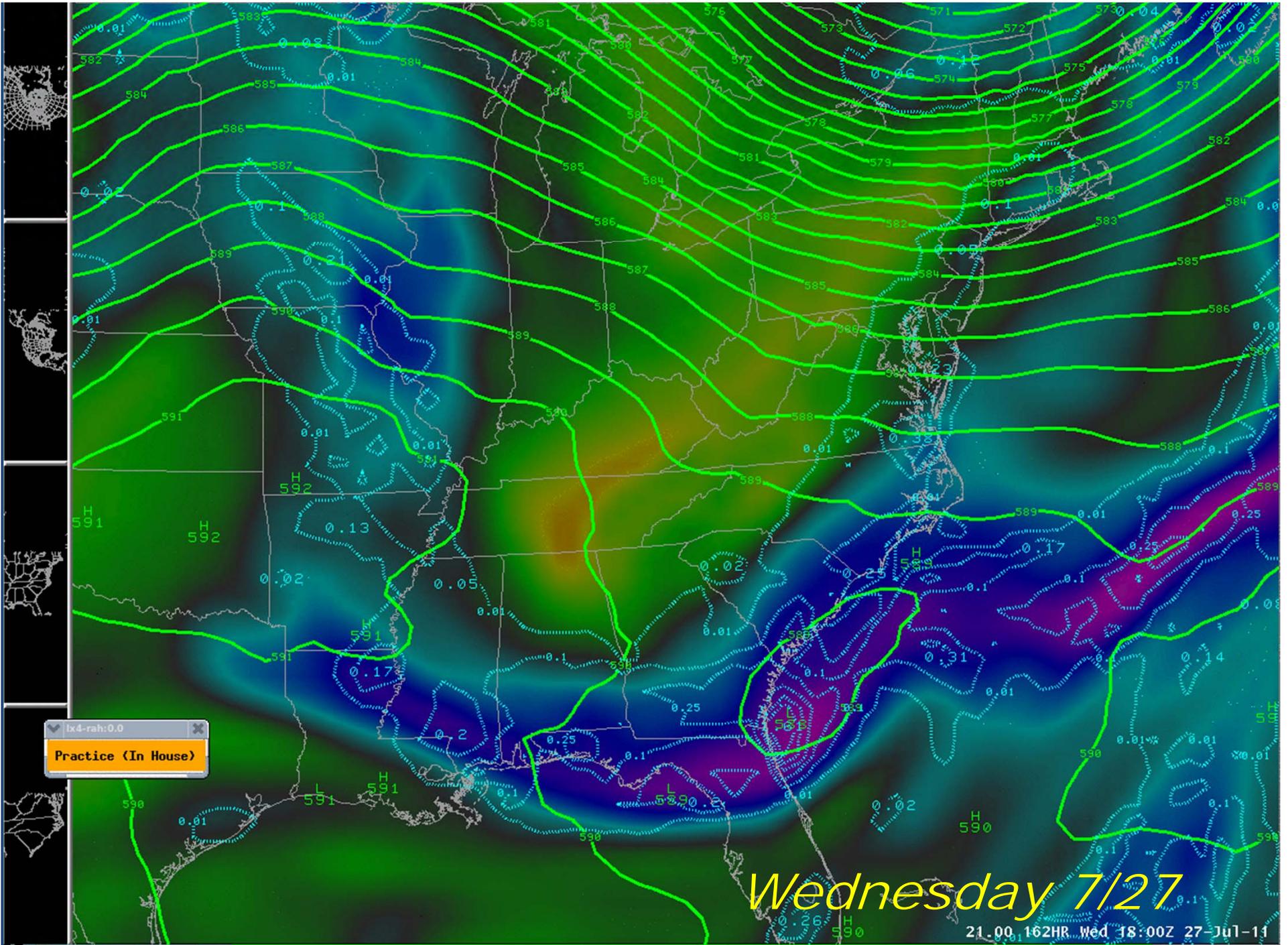
21.06 84HR Sun 18:00Z 24-Jul-11





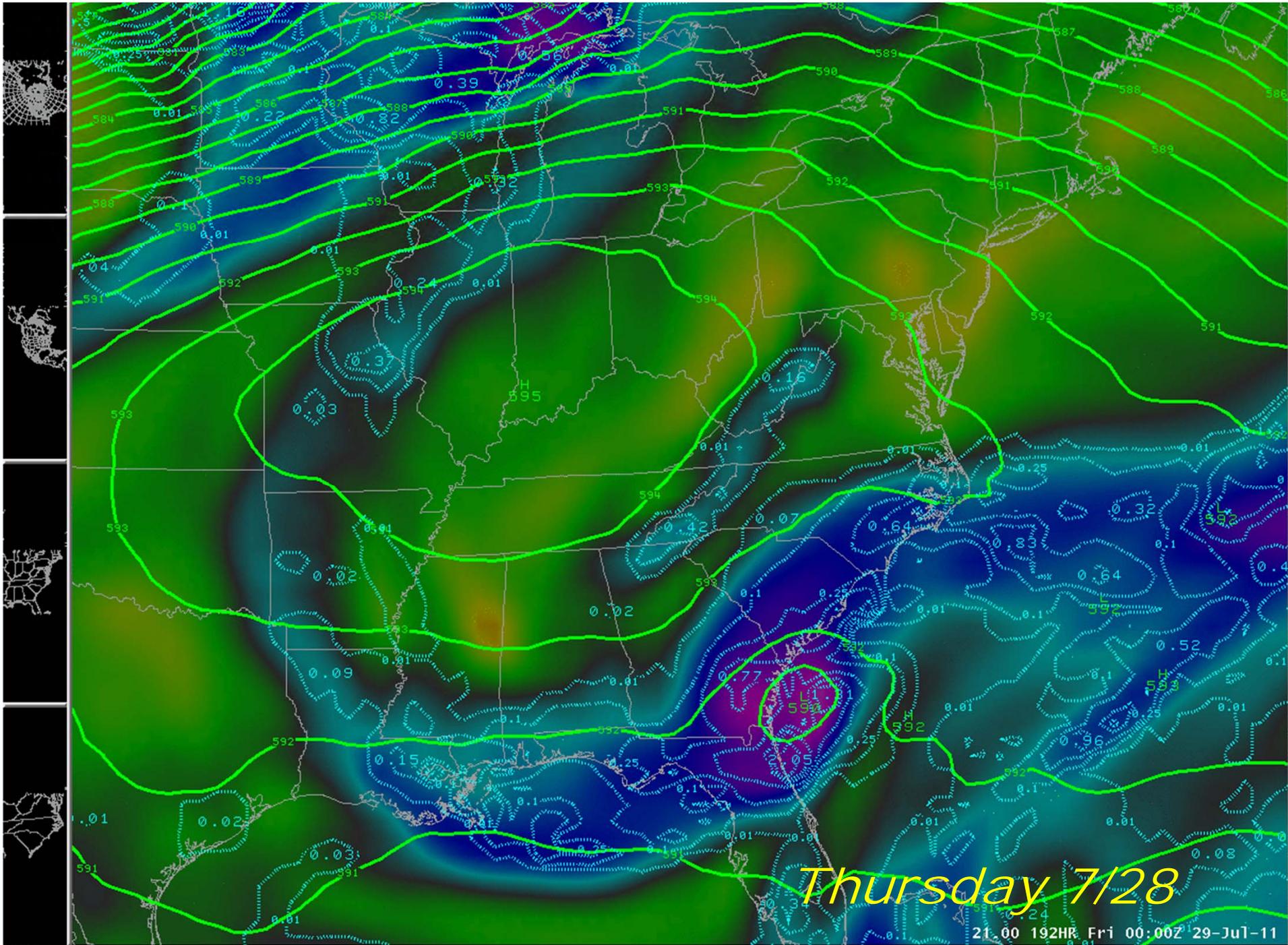


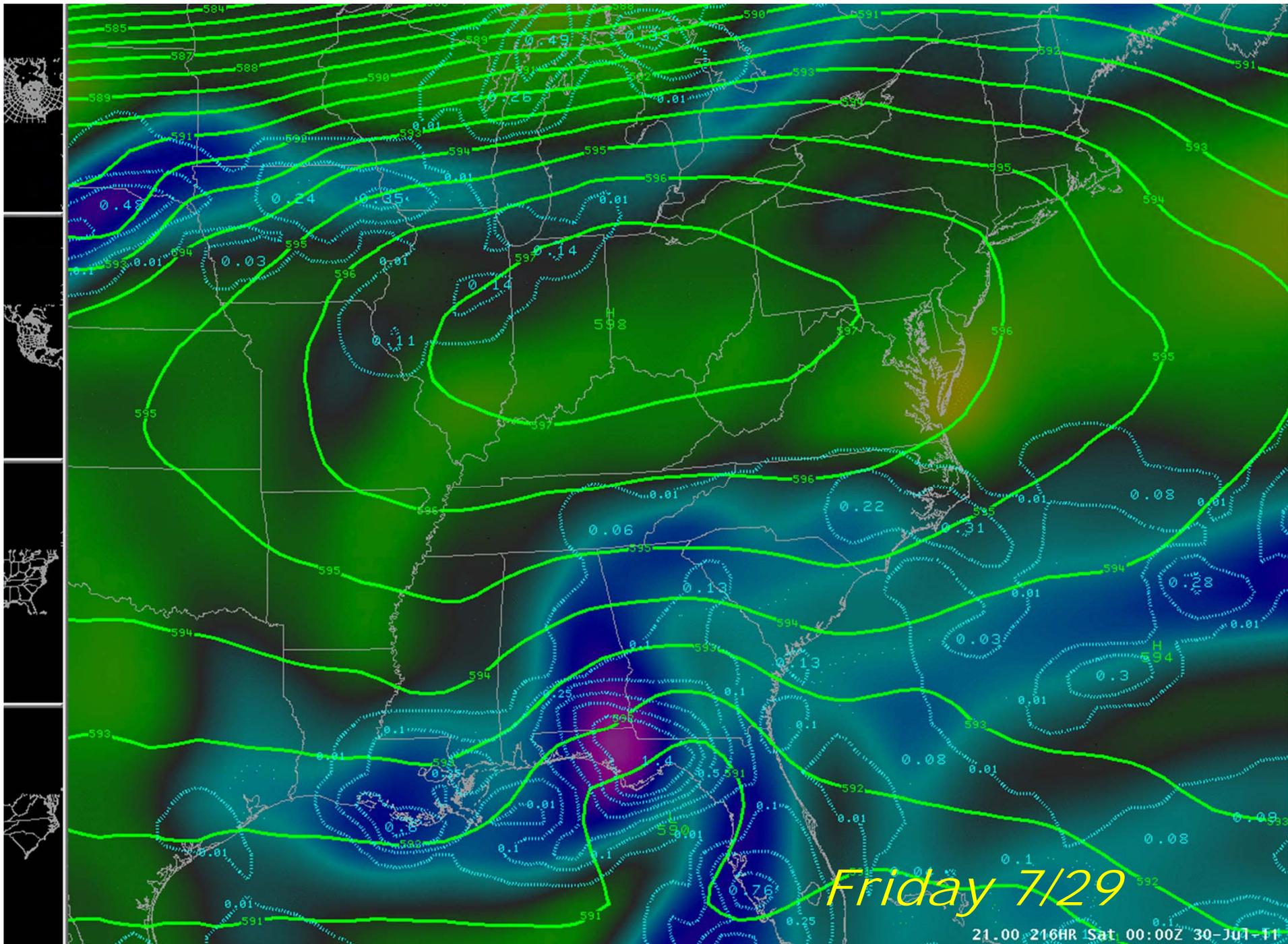




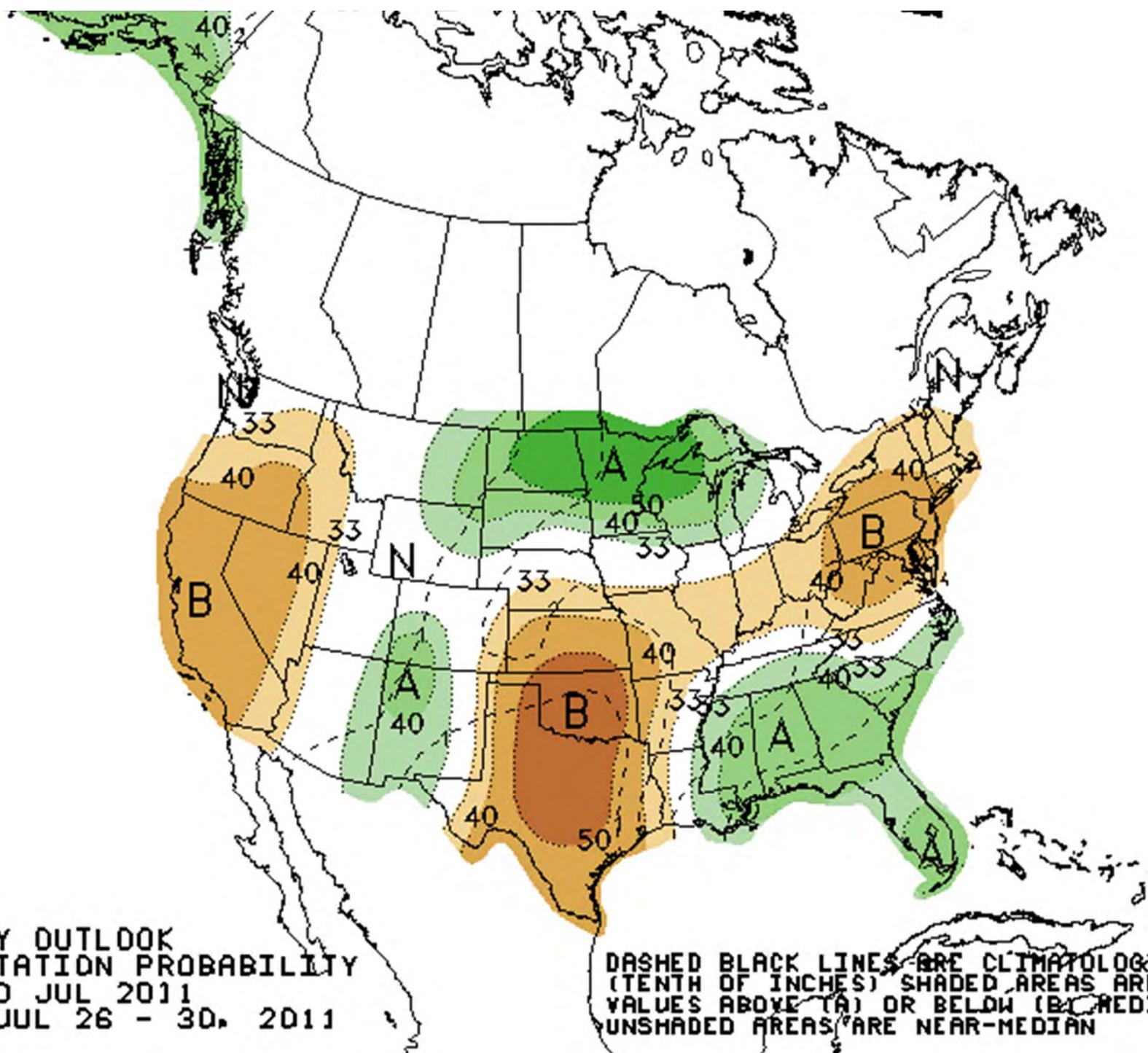
Wednesday 7/27

21.00.16ZHR Wed 18:00Z 27-Jul-11



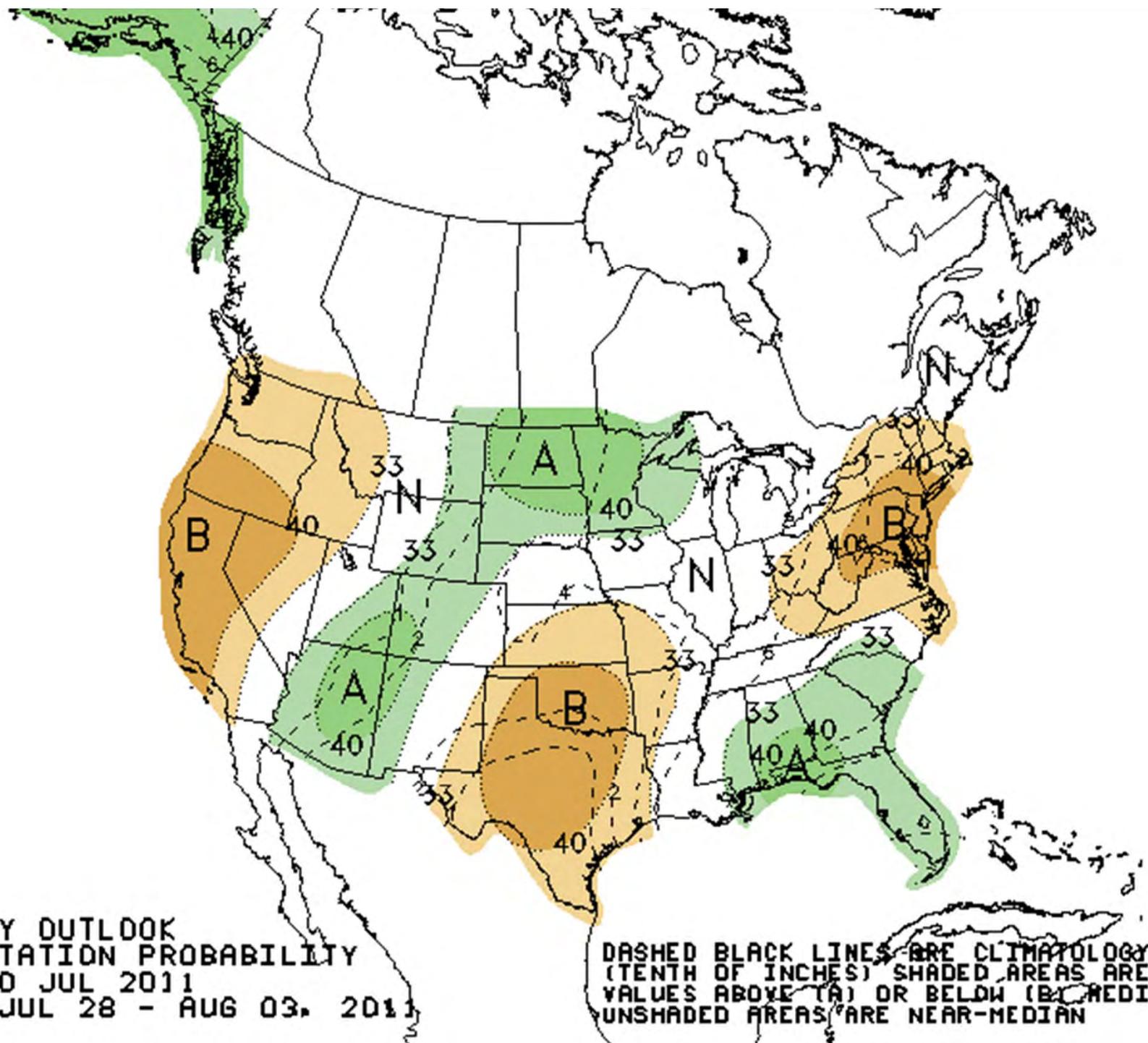


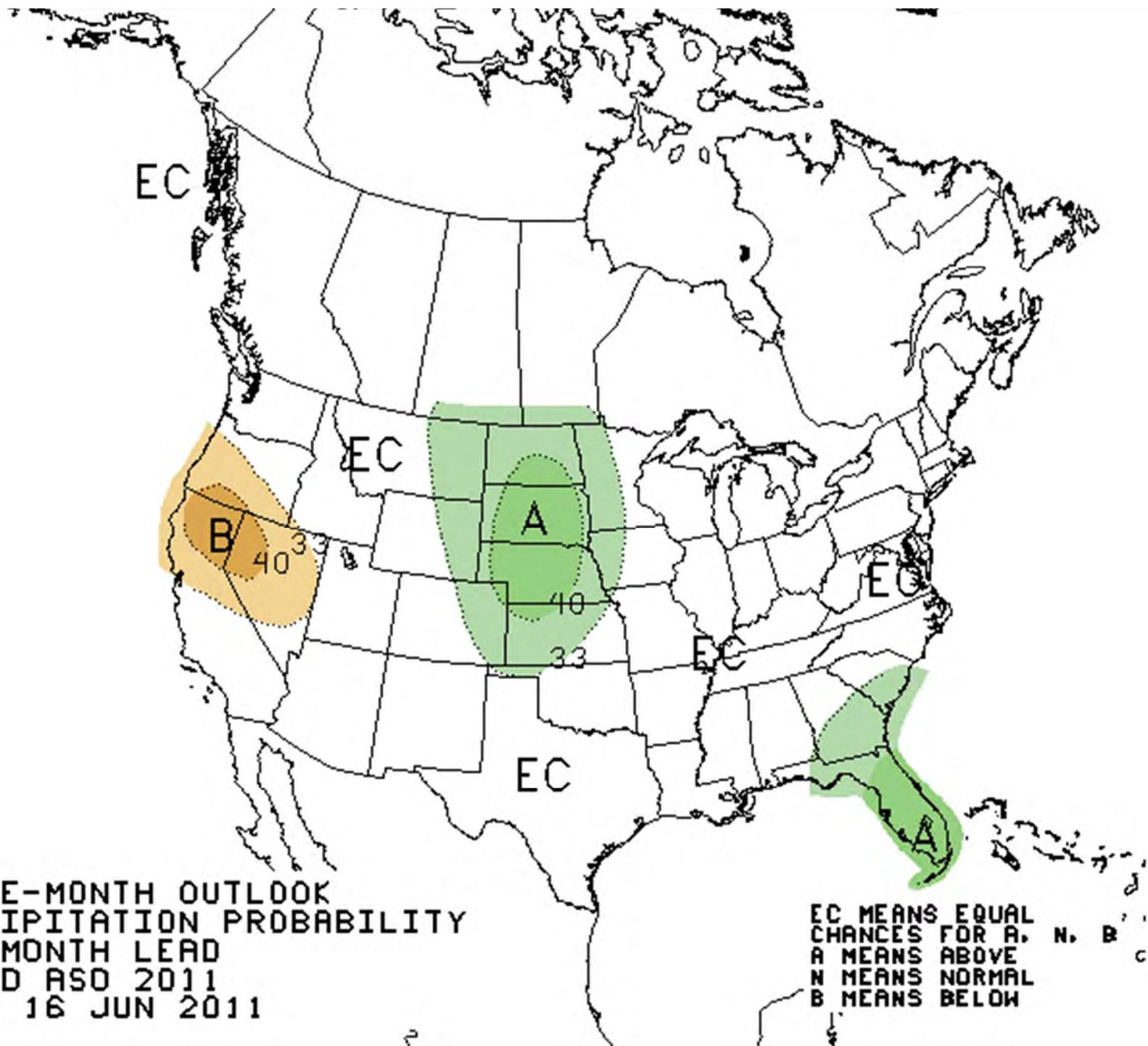
21:00 216HR Sat 00:00Z 30-JUL-11

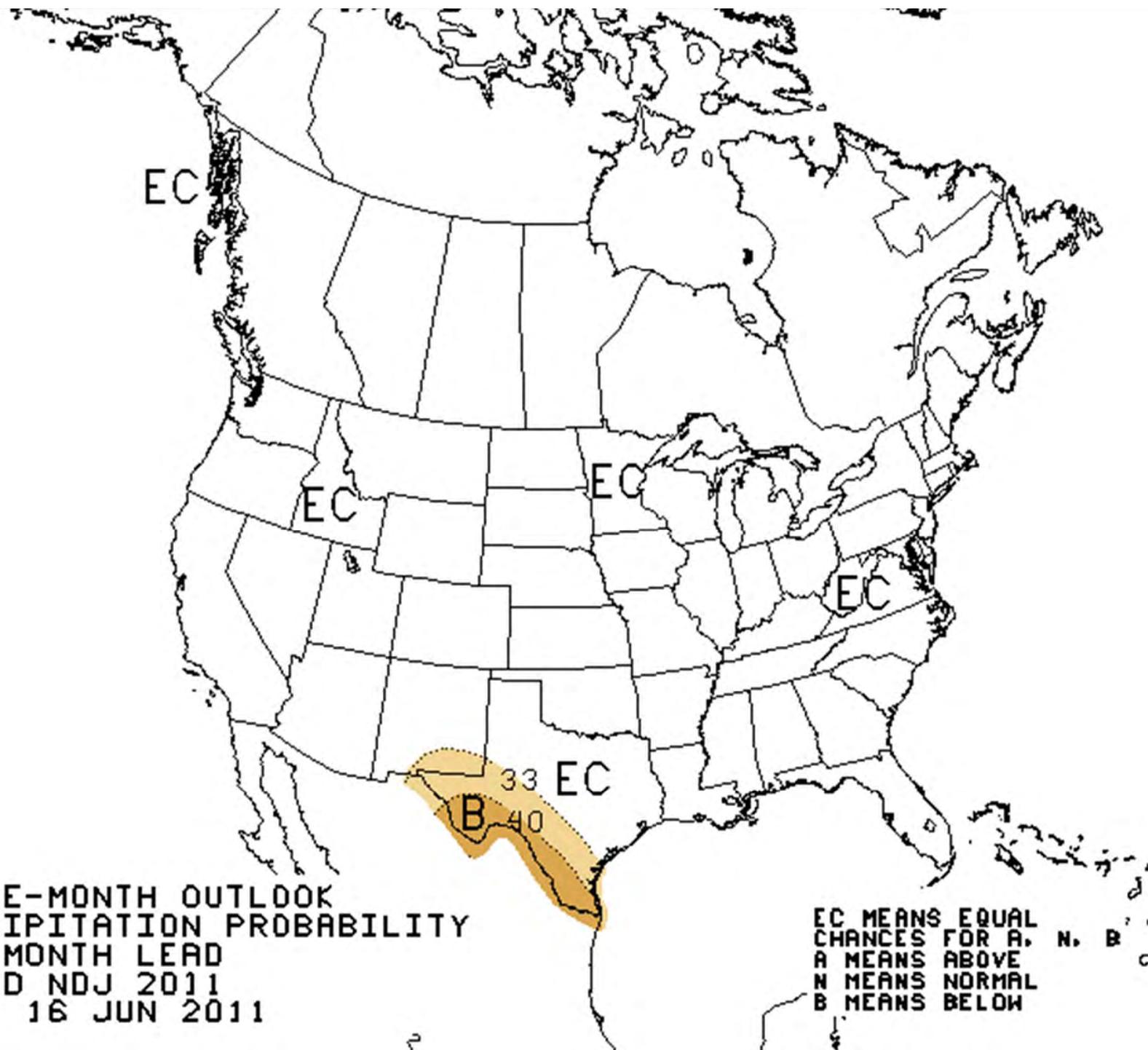


6-10 DAY OUTLOOK  
 PRECIPITATION PROBABILITY  
 MADE 20 JUL 2011  
 VALID JUL 26 - 30, 2011

DASHED BLACK LINES ARE CLIMATOLOGY  
 (TENTH OF INCHES) SHADED AREAS ARE FCS  
 VALUES ABOVE (A) OR BELOW (B) MEDIAN  
 UNSHADED AREAS ARE NEAR-MEDIAN





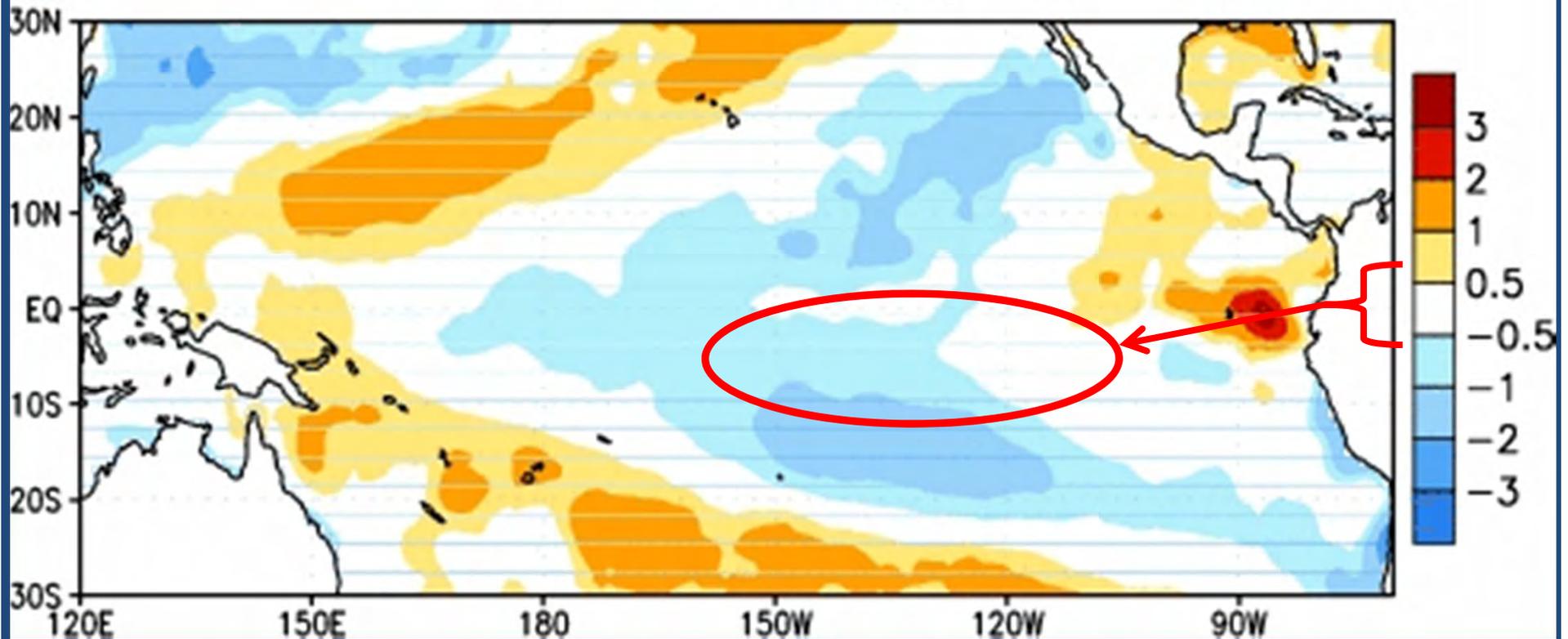


THREE-MONTH OUTLOOK  
PRECIPITATION PROBABILITY  
4.5 MONTH LEAD  
VALID NDJ 2011  
MADE 16 JUN 2011

EC MEANS EQUAL  
CHANCES FOR A, N, B  
A MEANS ABOVE  
N MEANS NORMAL  
B MEANS BELOW

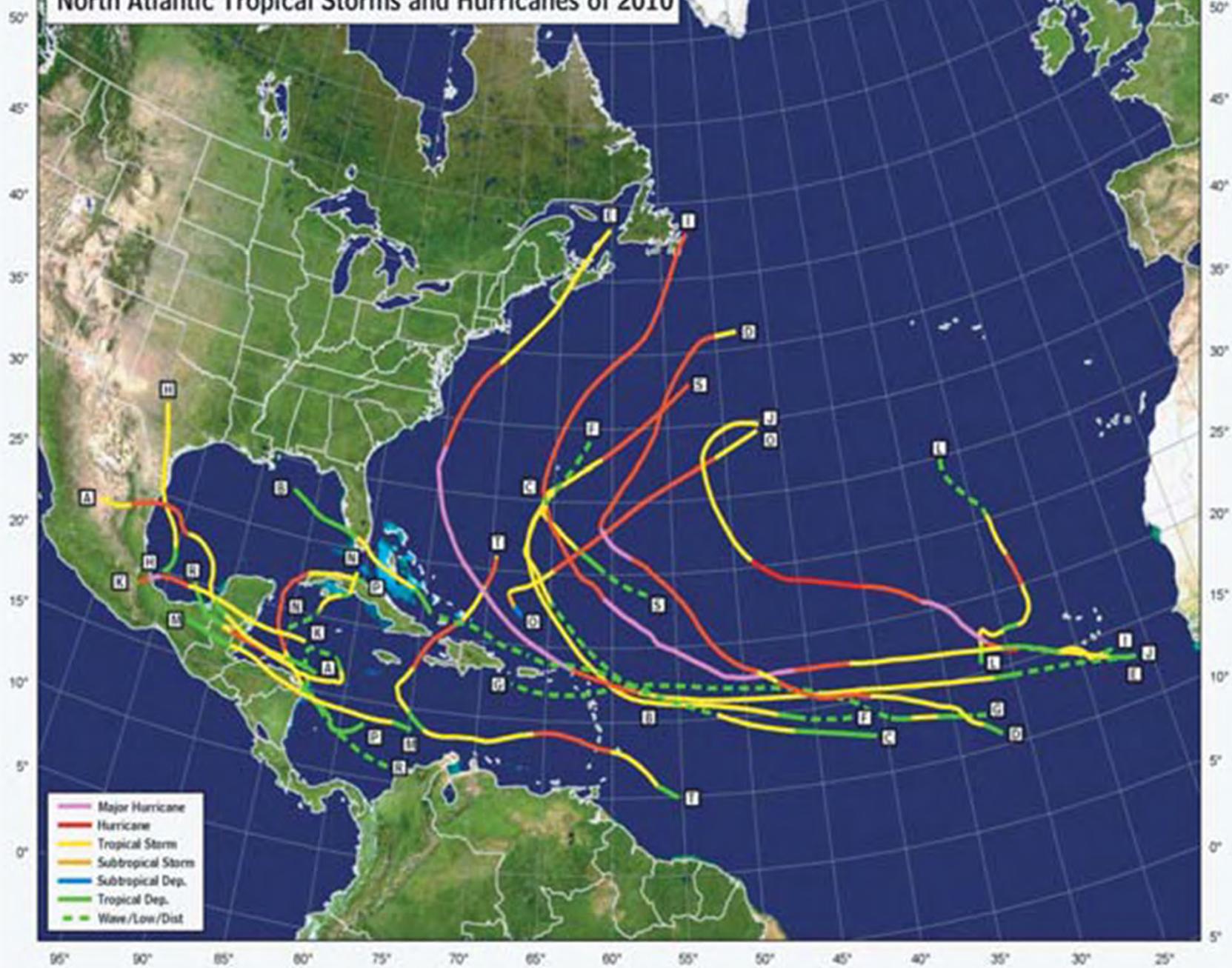
# ENSO-Neutral Conditions are Present in the Equatorial Pacific

Week centered on 27 APR 2011  
SST Anomalies (°C)



125° 120° 115° 110° 105° 100° 95° 90° 85° 80° 75° 70° 65° 60° 55° 50° 45° 40° 35° 30° 25° 20° 15° 10° 5° 0° 5° 10°

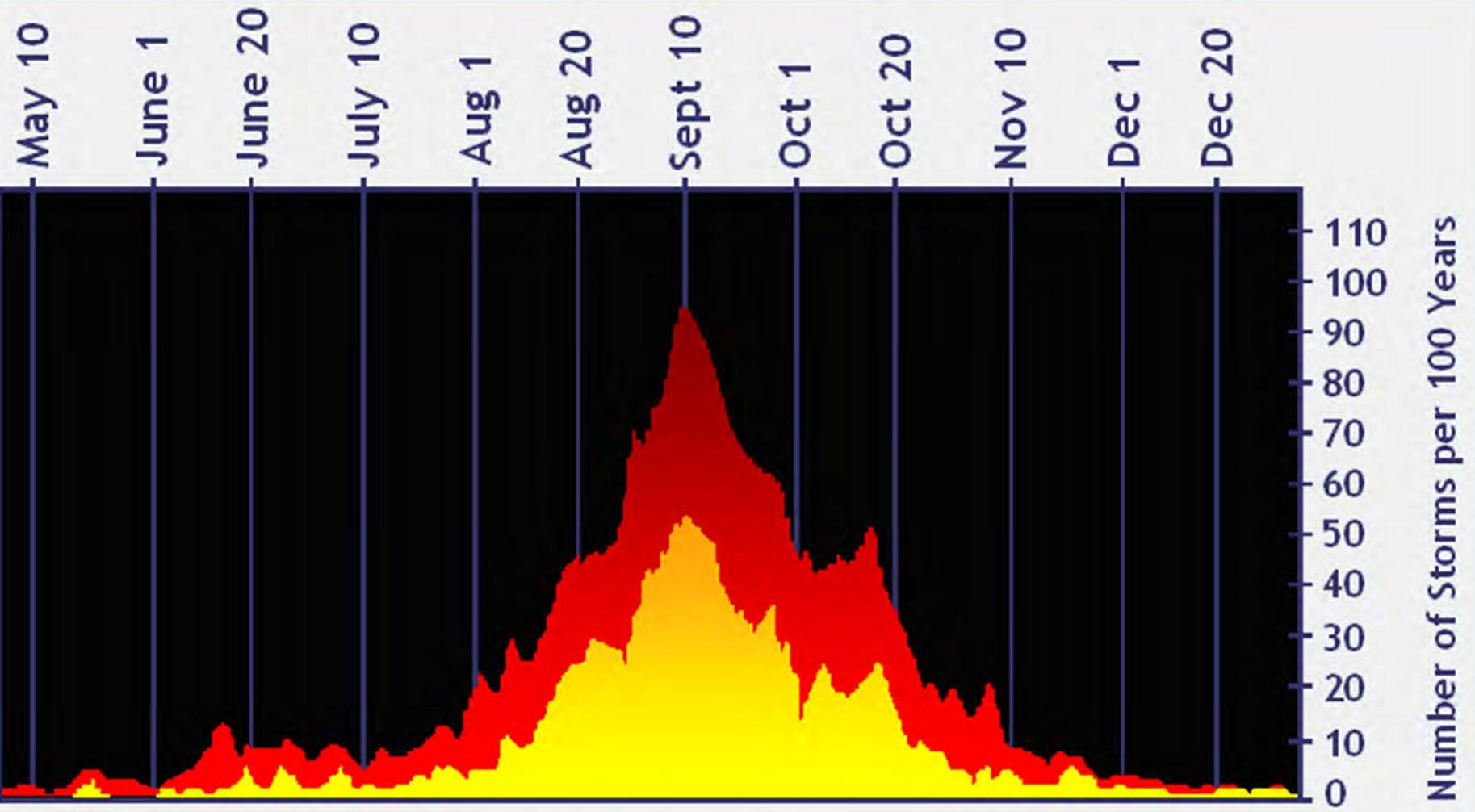
### North Atlantic Tropical Storms and Hurricanes of 2010



95° 90° 85° 80° 75° 70° 65° 60° 55° 50° 45° 40° 35° 30° 25°

# NOAA's Tropical Outlook

- 2011 is expected to be an active season, similar to 2010, which was the 3<sup>rd</sup> most active on record. Despite the number of cyclones, there was no significant damage in the U.S.
- NOAA's forecast for 2011
  - 12 to 18 named storms (winds 39 mph or greater).  
Normal = 11
  - 6 to 10 hurricanes (winds 75 mph or greater).  
Normal = 6
  - 3 to 6 major storms (winds 110 mph or greater).  
Normal = 2-3
  -



 Hurricanes and Tropical Storms  
 Hurricanes

NOAA

# The GEOGRAPHIC REGIONS of NORTH CAROLINA



Questions?