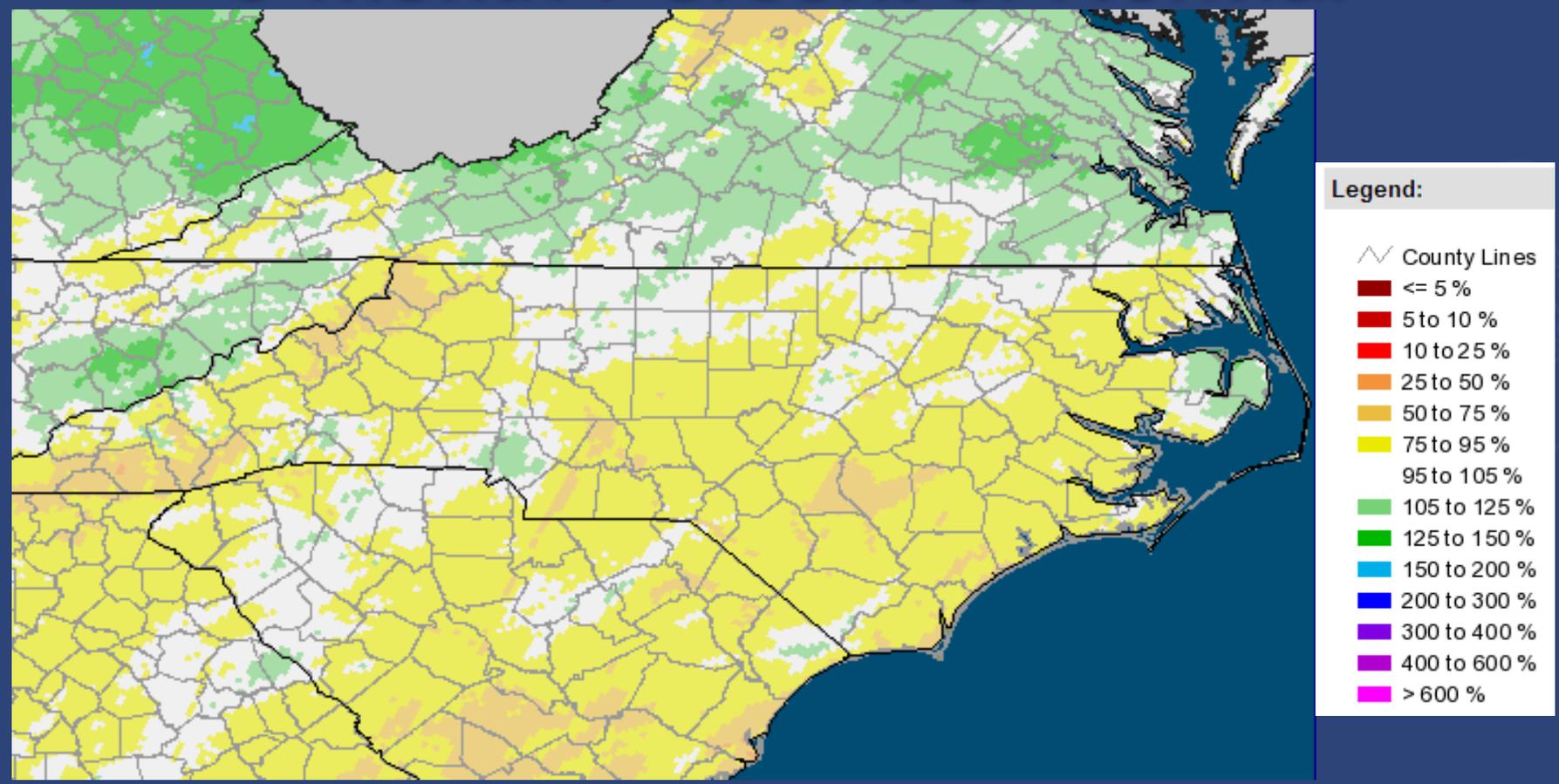


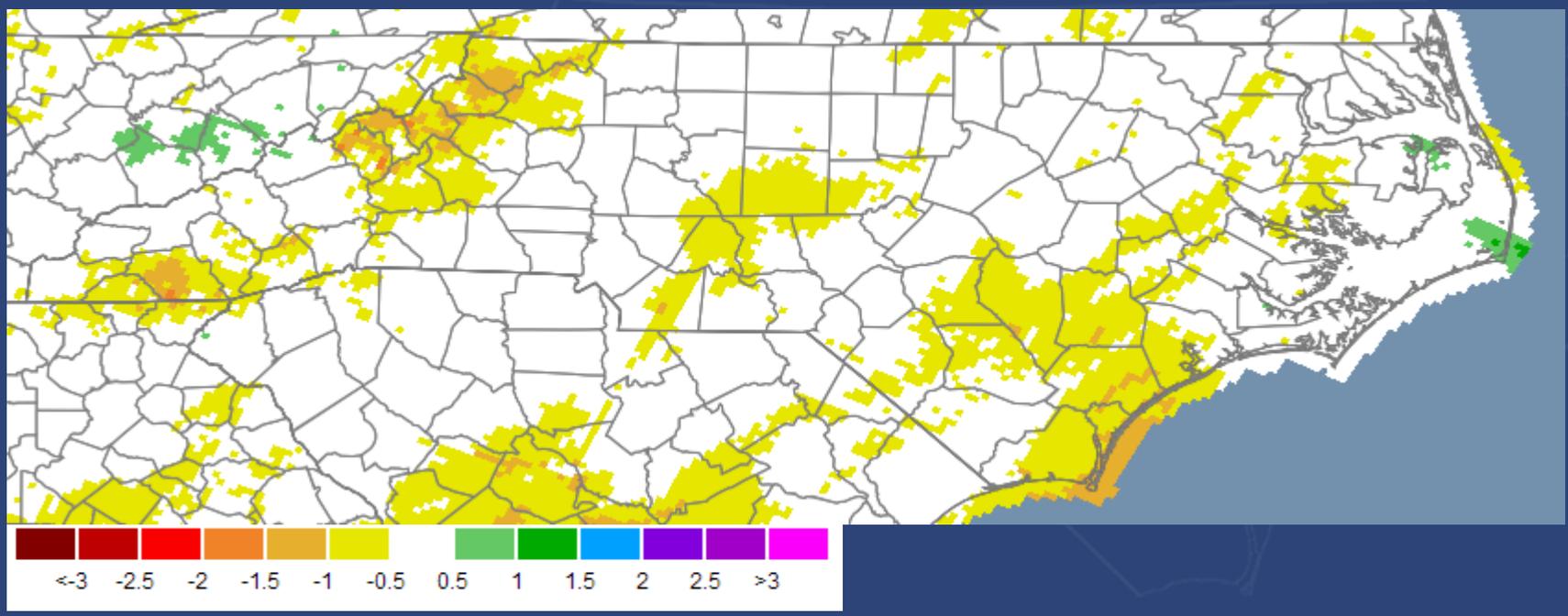
# 6-month Percent of Normal



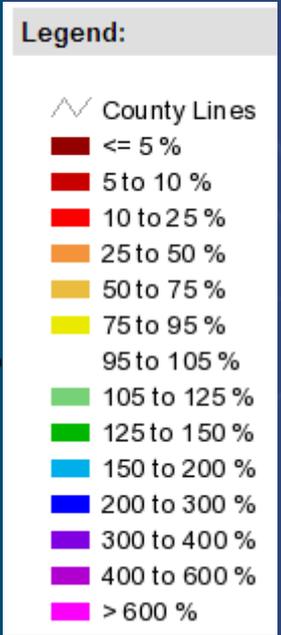
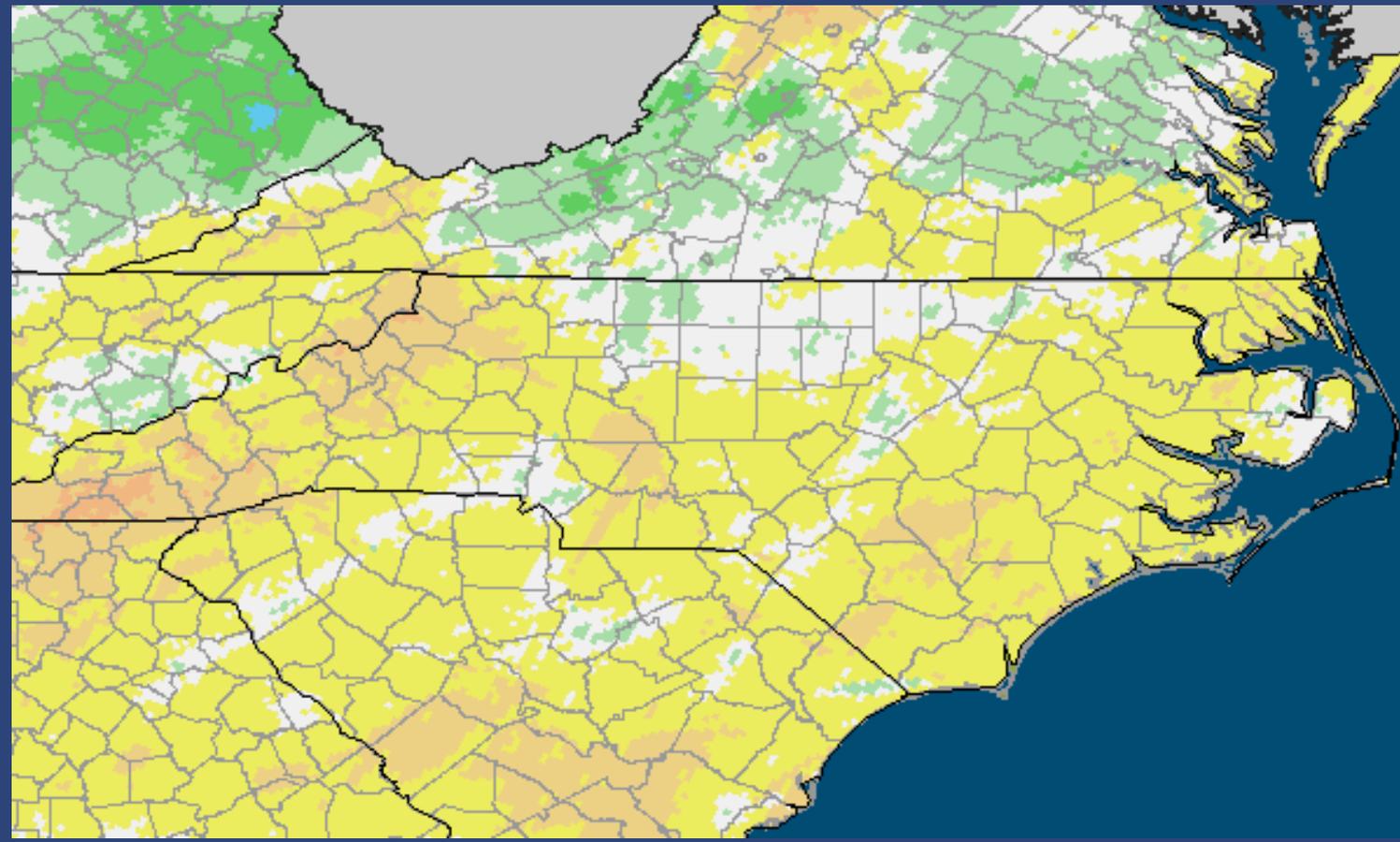
Ending 7am, Tuesday April 8, 2014

# 6-month Standardized Precipitation Index

Ending 7am, Tuesday April 8, 2014



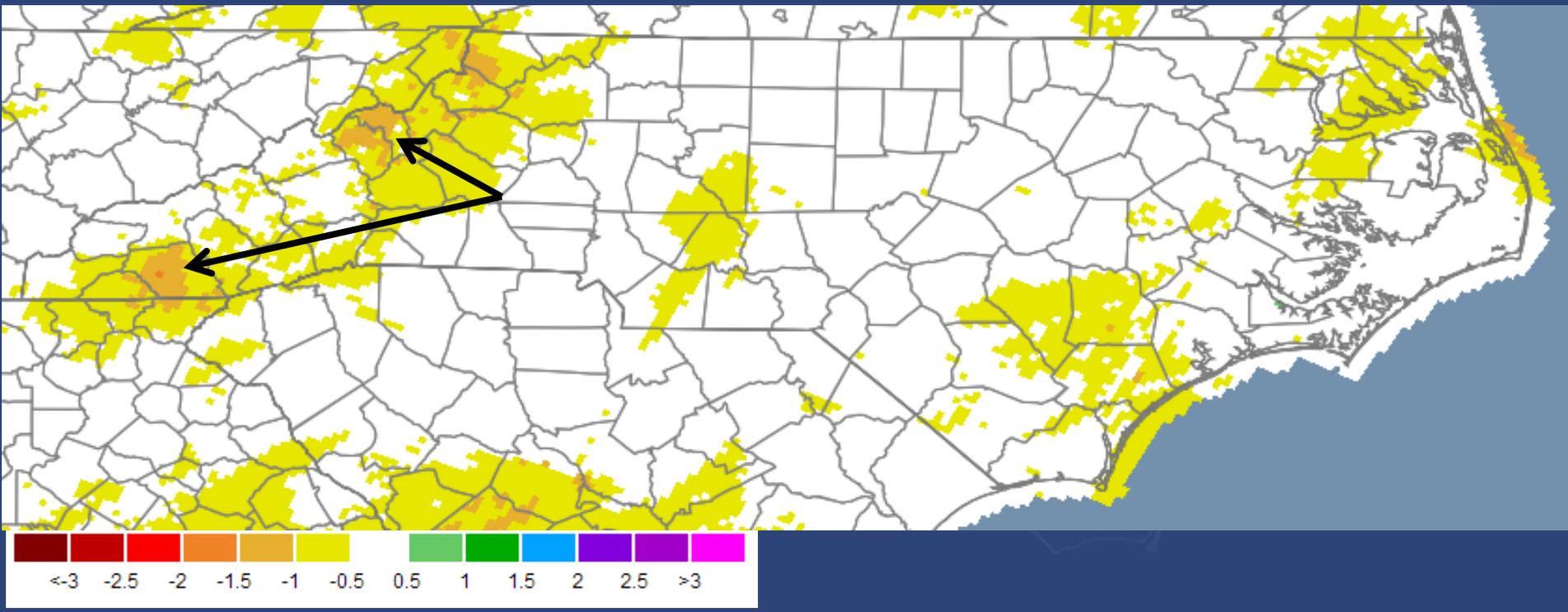
# 3-month Percent of Normal



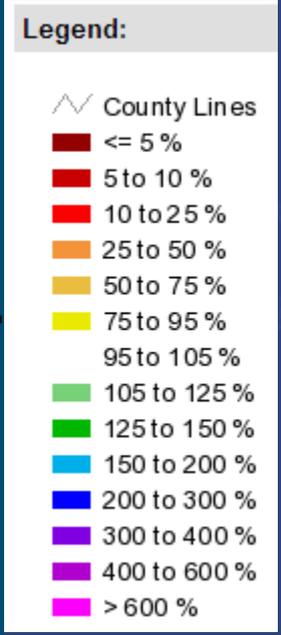
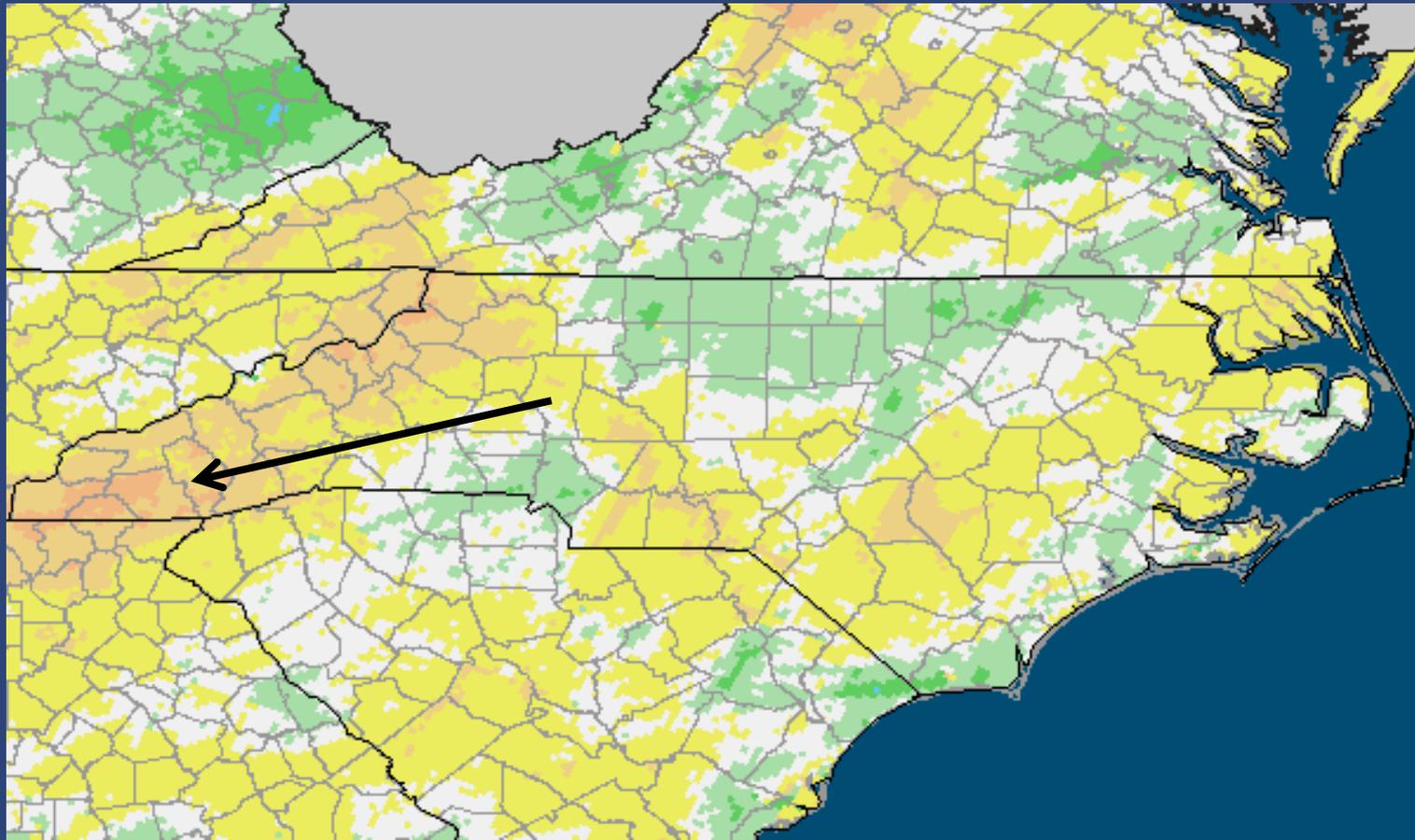
Ending 7am, Tuesday April 8, 2014

# 3-month Standardized Precipitation Index

Ending 7am, Tuesday April 8, 2014



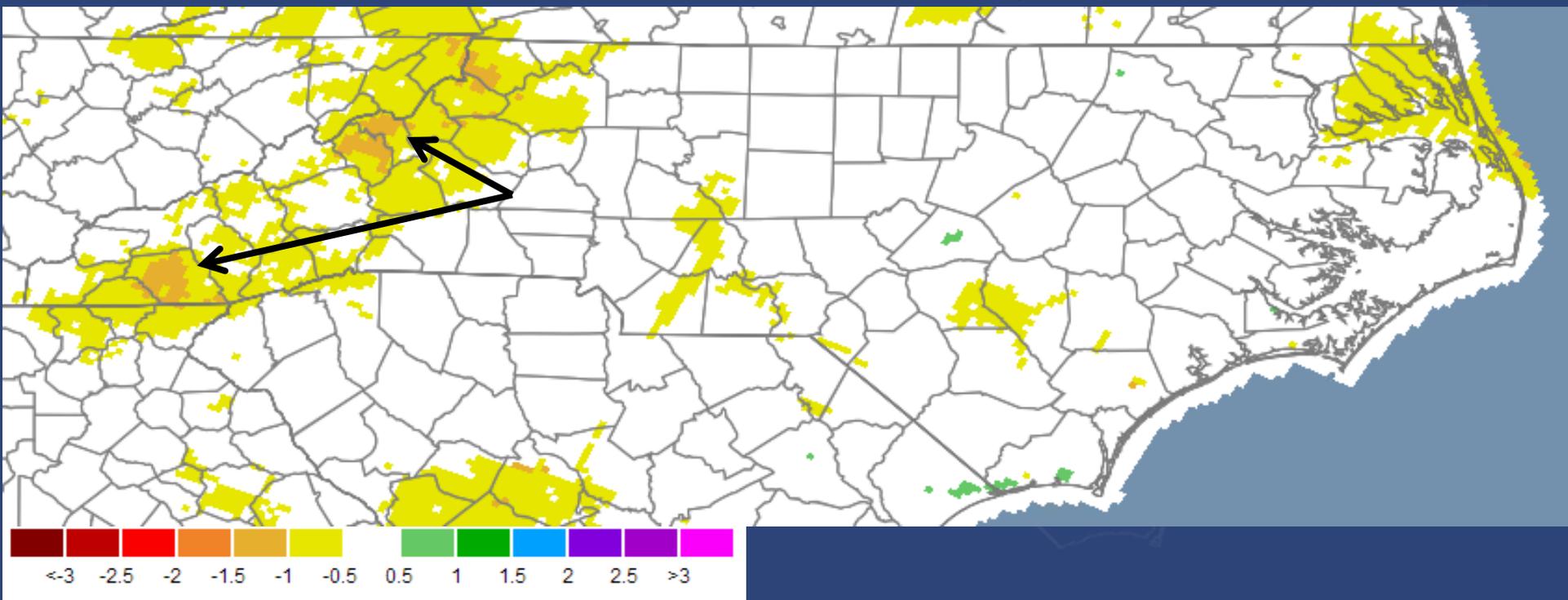
# 2-month Percent of Normal



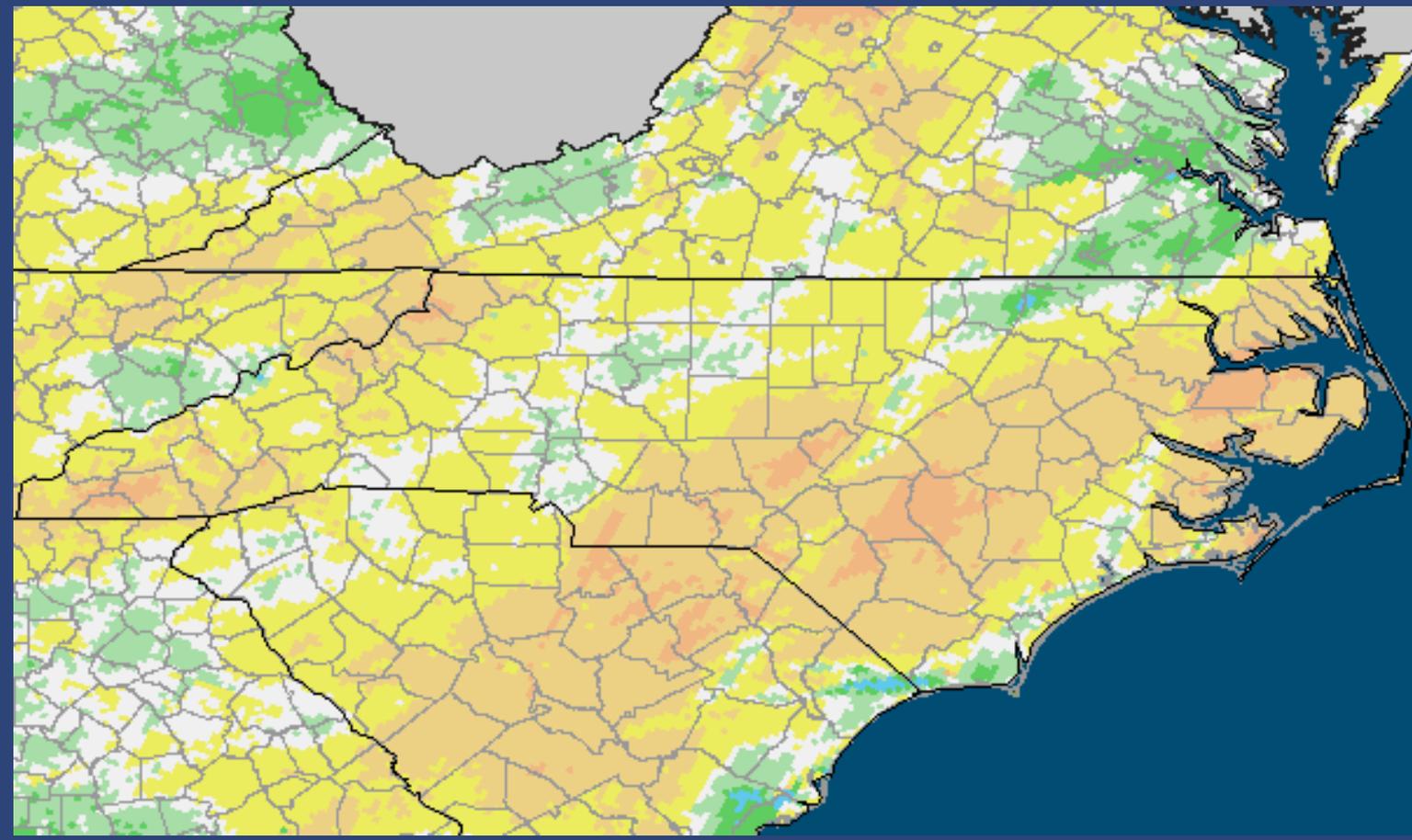
Ending 7am, Tuesday April 8, 2014

# 2-month Standardized Precipitation Index

Ending 7am, Tuesday April 8, 2014



# 1-month Percent of Normal



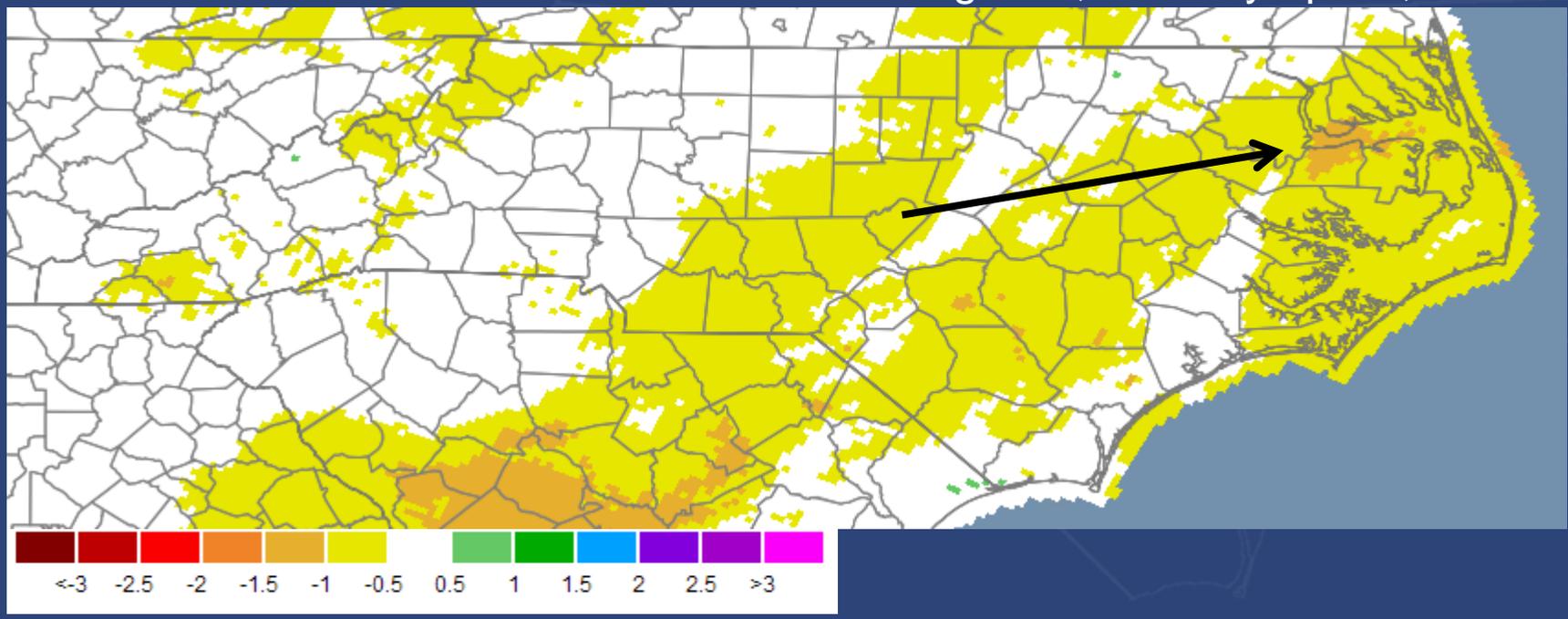
**Legend:**

- County Lines
- <= 5 %
- 5 to 10 %
- 10 to 25 %
- 25 to 50 %
- 50 to 75 %
- 75 to 95 %
- 95 to 105 %
- 105 to 125 %
- 125 to 150 %
- 150 to 200 %
- 200 to 300 %
- 300 to 400 %
- 400 to 600 %
- > 600 %

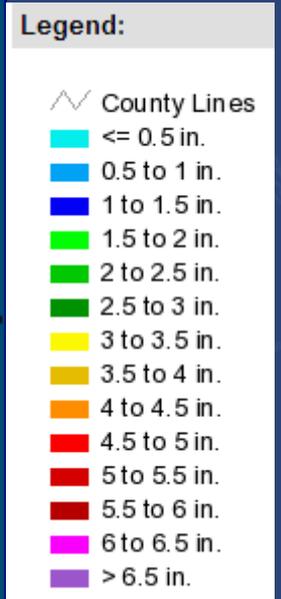
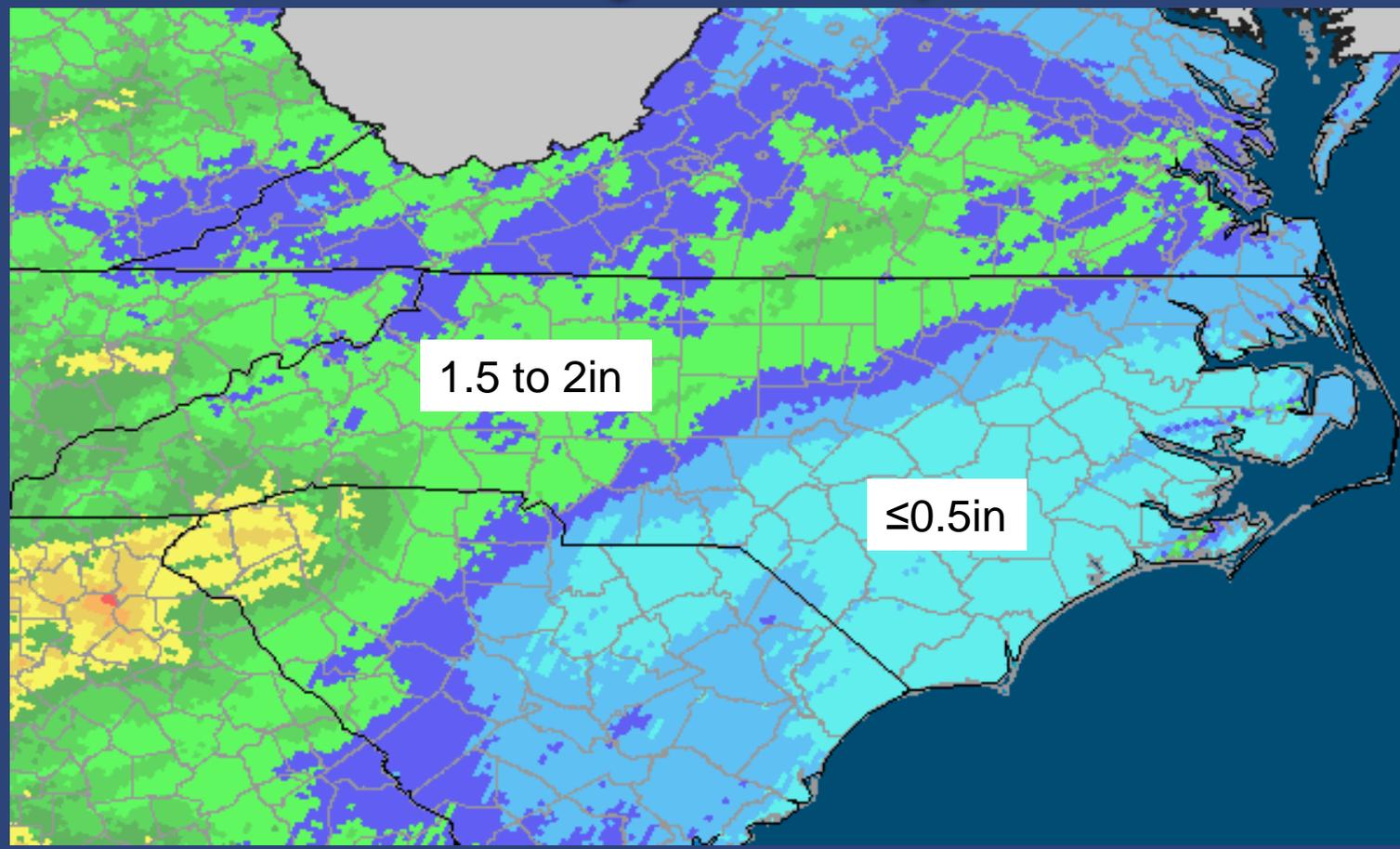
Ending 7am, Tuesday April 8, 2014

# 1-month Standardized Precipitation Index

Ending 7am, Tuesday April 8, 2014

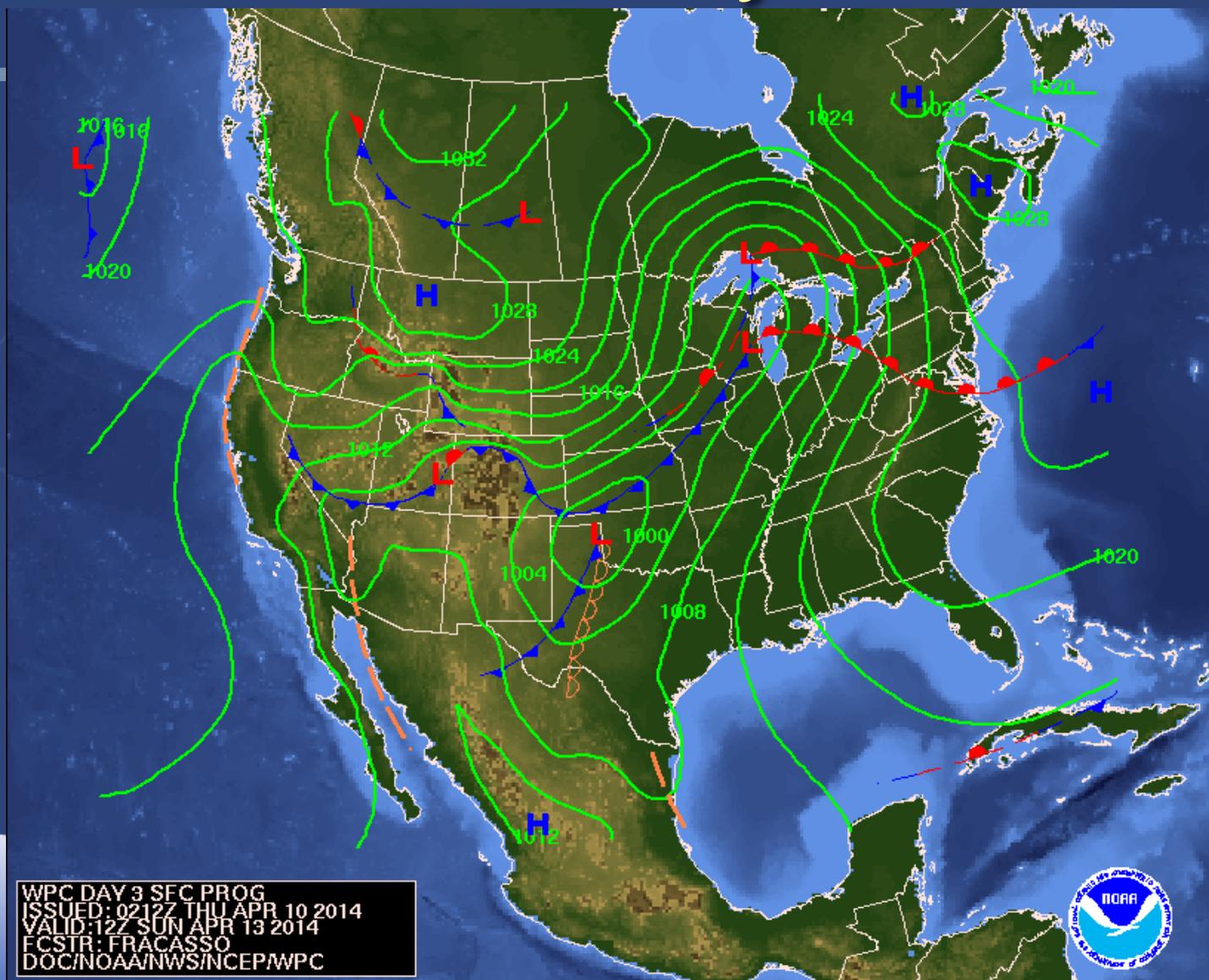


# 7-day Precipitation

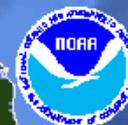


Ending 7am, Tuesday April 8, 2014

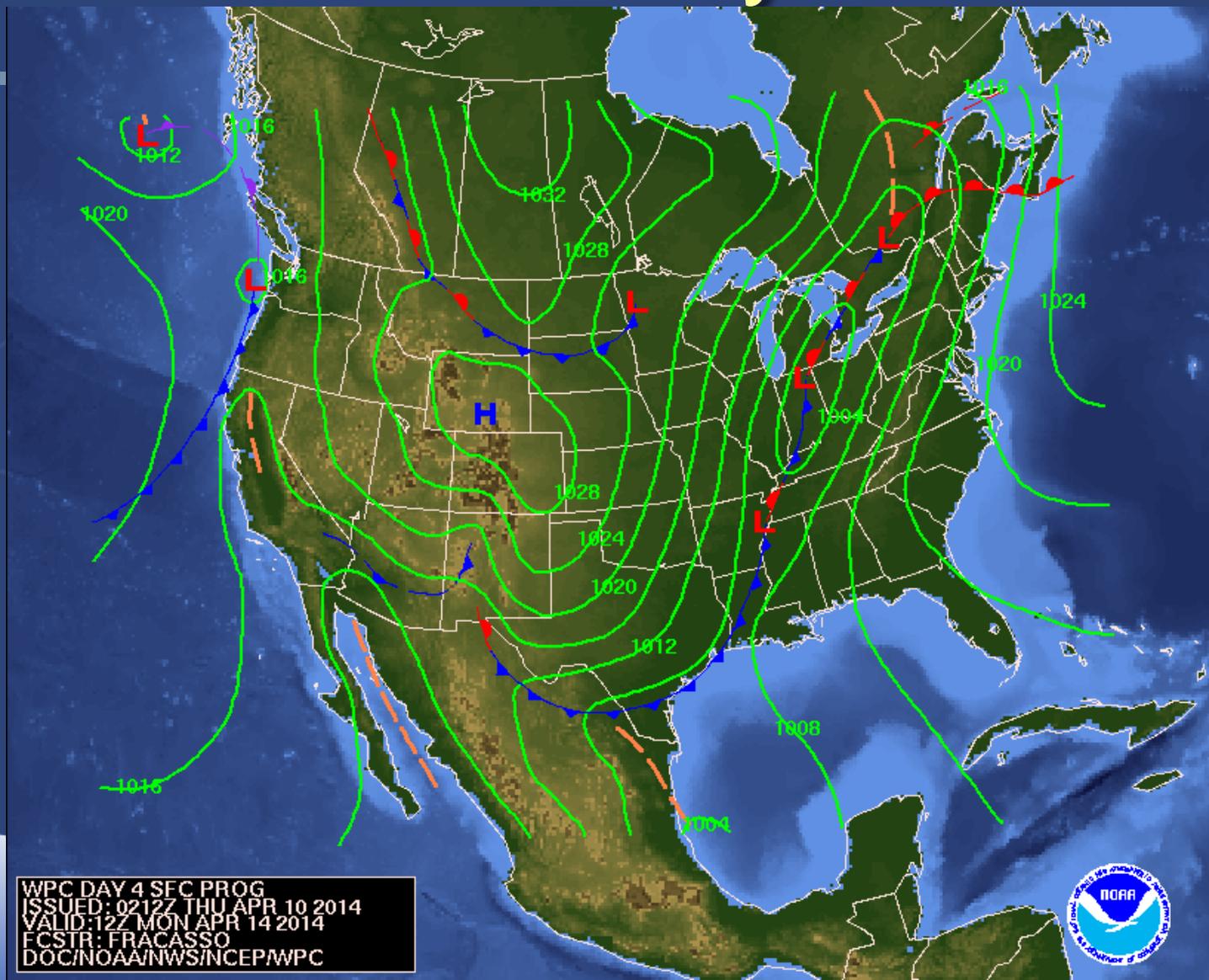
# Sunday



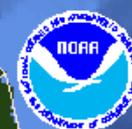
WPC DAY 3 SEC PROG  
 ISSUED: 0212Z THU APR 10 2014  
 VALID: 12Z SUN APR 13 2014  
 FCSTR: FRACASSO  
 DOC/NOAA/NWS/NCEP/WPC



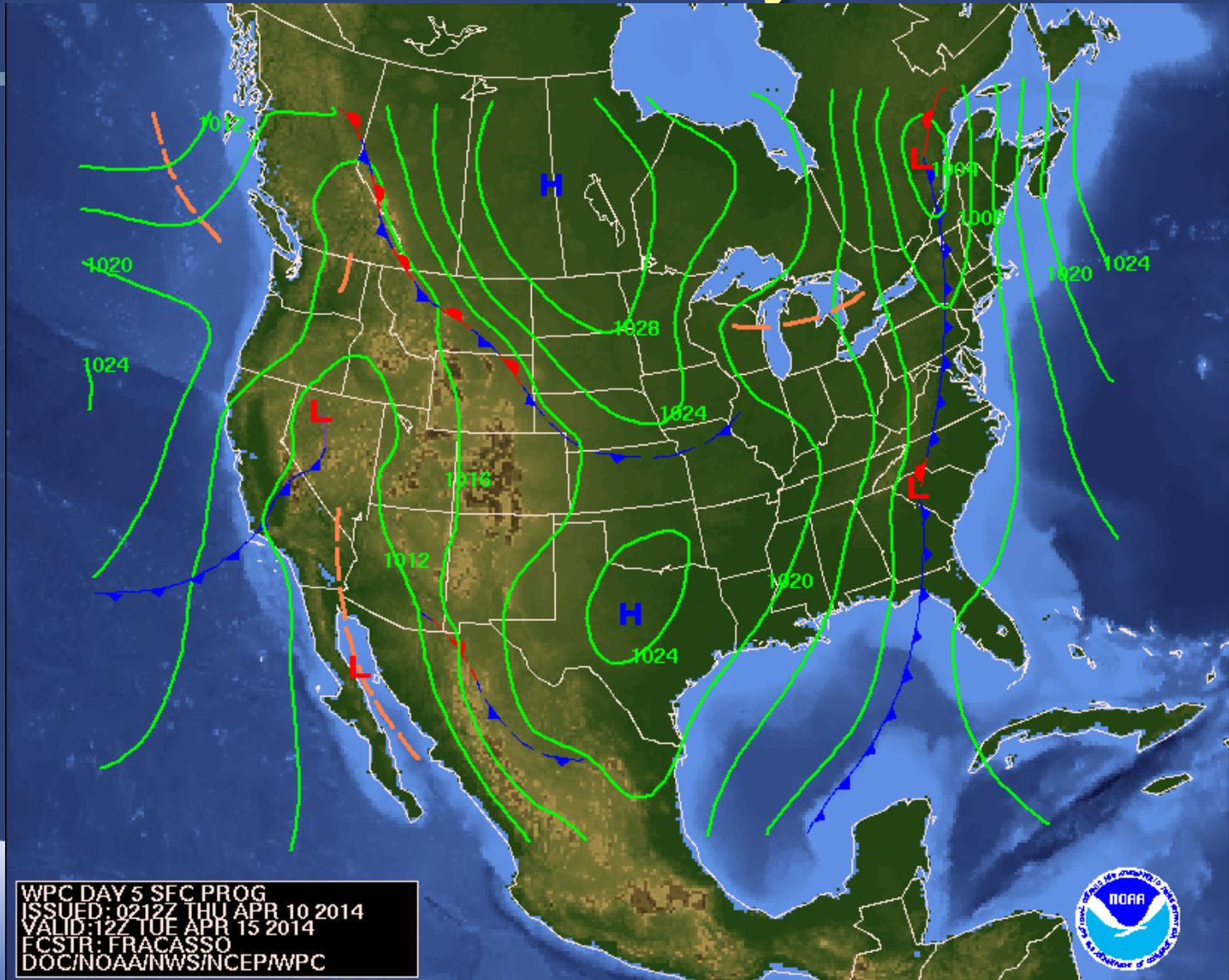
# Monday



WPC DAY 4 SFC PROG  
 ISSUED: 0212Z THU APR 10 2014  
 VALID: 12Z MON APR 14 2014  
 FCSTR: FRACASSO  
 DOC/NOAA/NWS/NCEP/WPC



# Tuesday

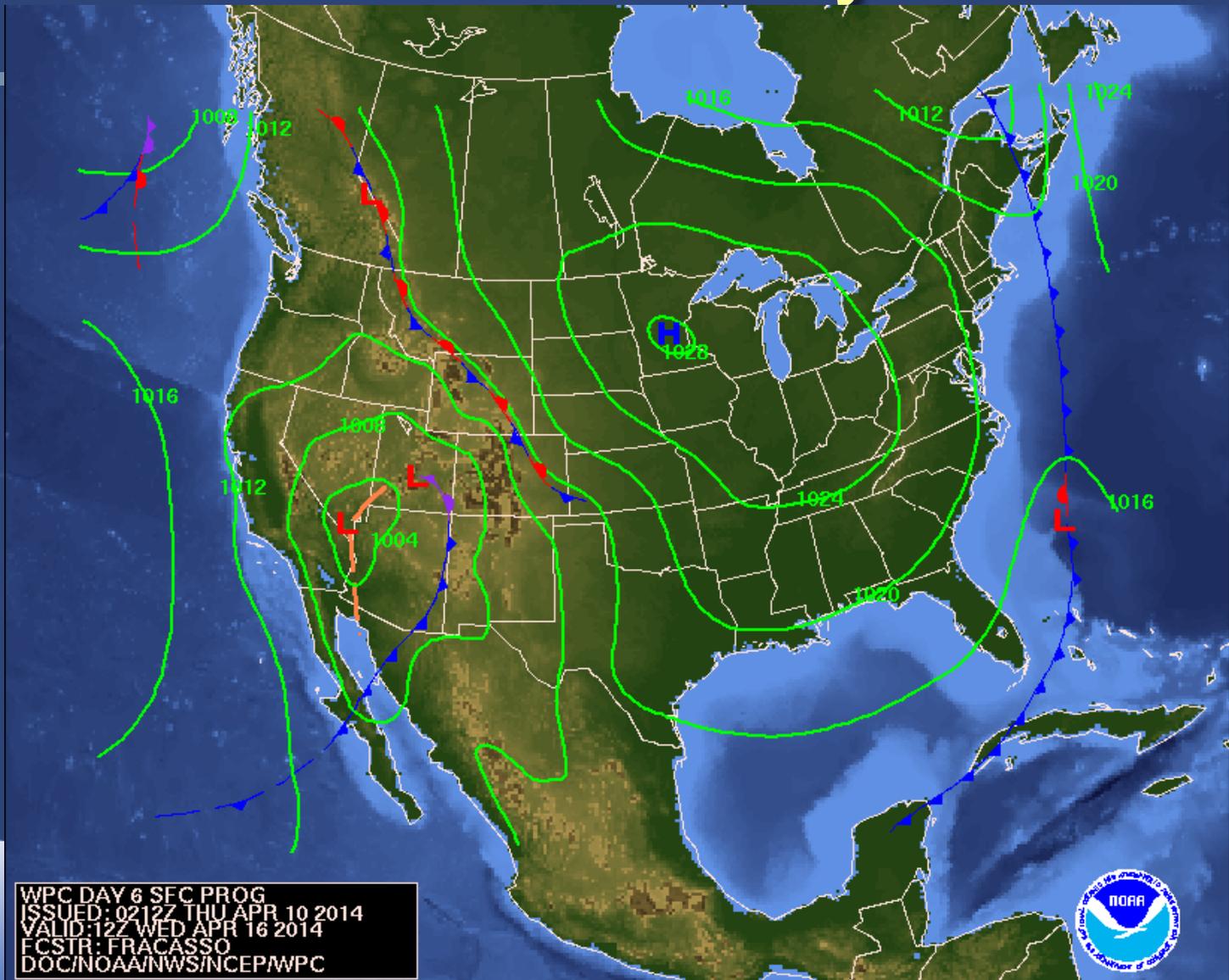


WPC DAY 5 SFC PROG  
 ISSUED: 0212Z THU APR 10 2014  
 VALID: 12Z TUE APR 15 2014  
 FCSTR: FRACASSO  
 DOC/NOAA/NWS/NCEP/WPC





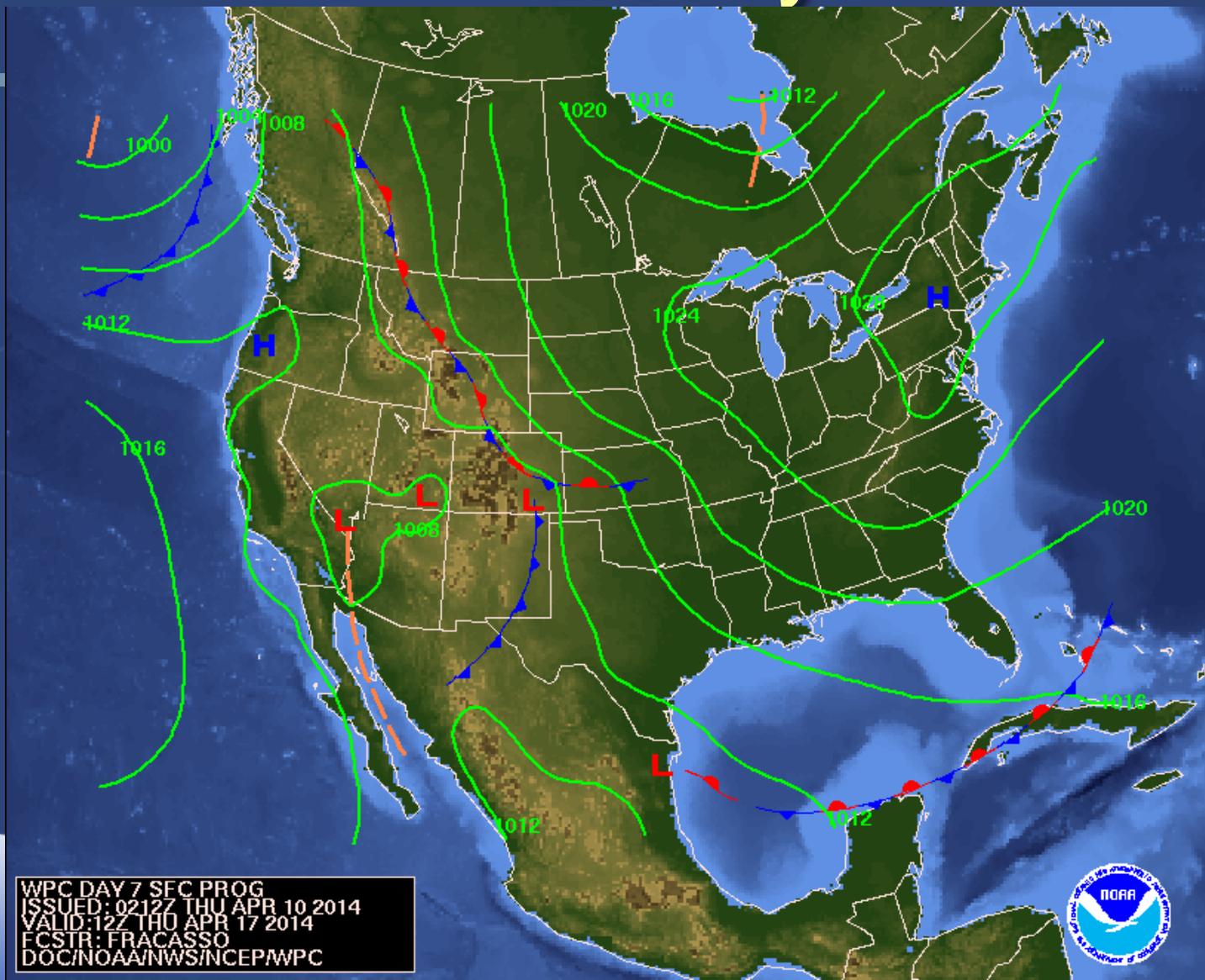
# Wednesday



WPC DAY 6 SFC PROG  
 ISSUED: 0212Z THU APR 10 2014  
 VALID: 12Z WED APR 16 2014  
 FCSTR: FRACASSO  
 DOC/NOAA/NWS/NCEP/WPC



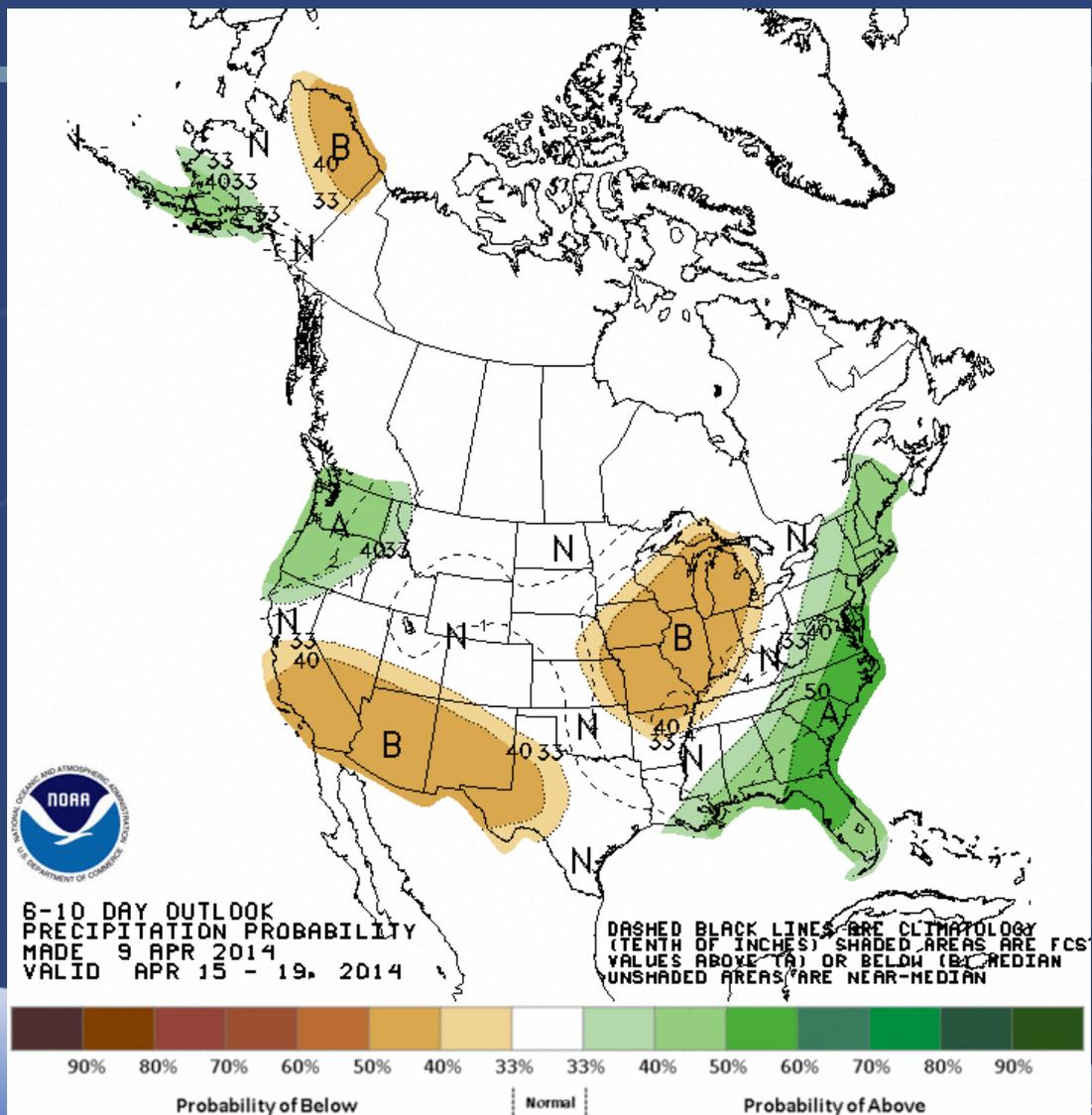
# Thursday



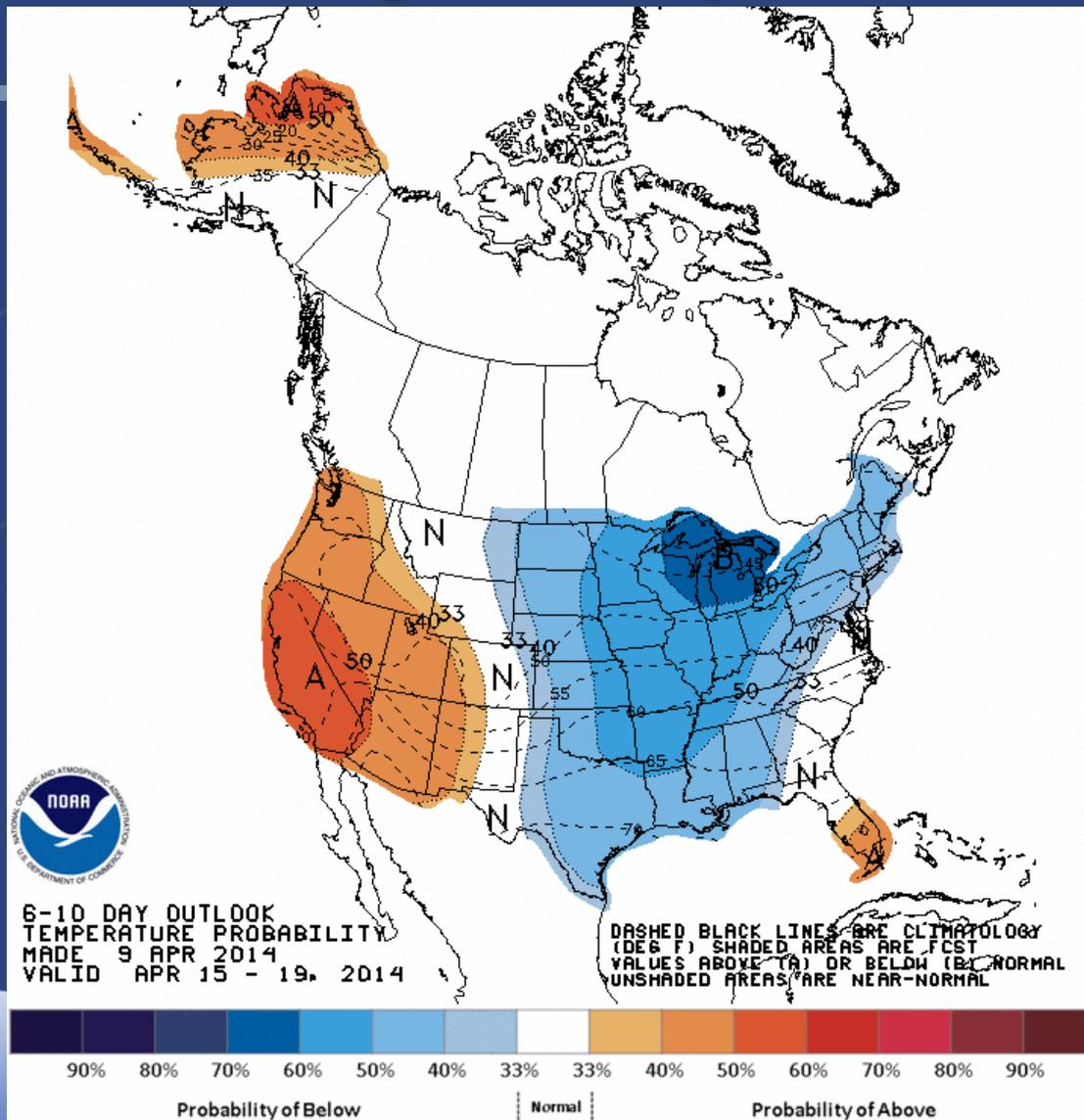
WPC DAY 7 SFC PROG  
 ISSUED: 0212Z THU APR 10 2014  
 VALID: 12Z THU APR 17 2014  
 FCSTR: FRACASSO  
 DOC/NOAA/NWS/NCEP/WPC



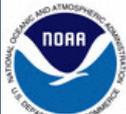
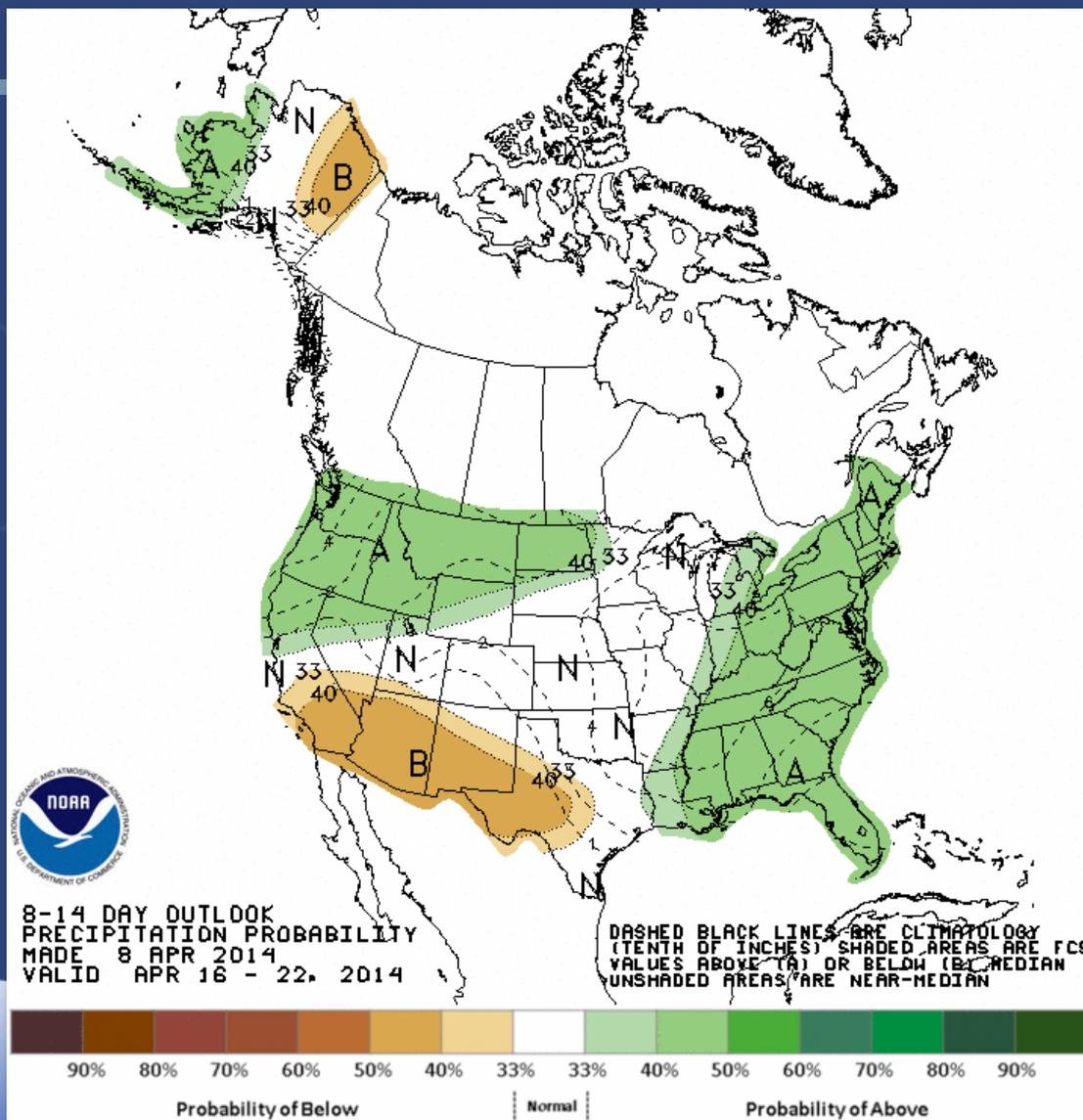
# 6-10 Day Precip Outlook



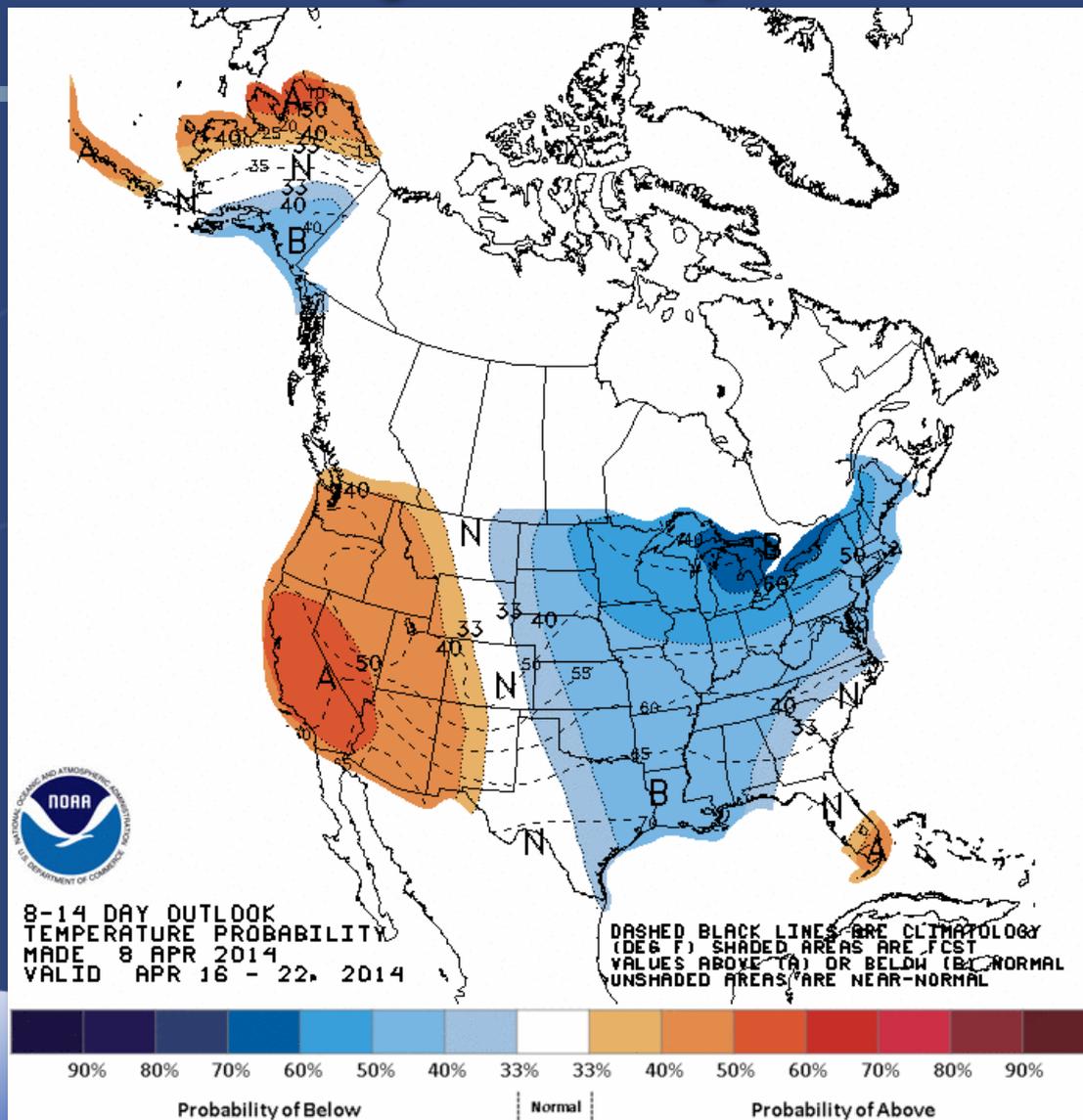
# 6-10 Day Temp Outlook



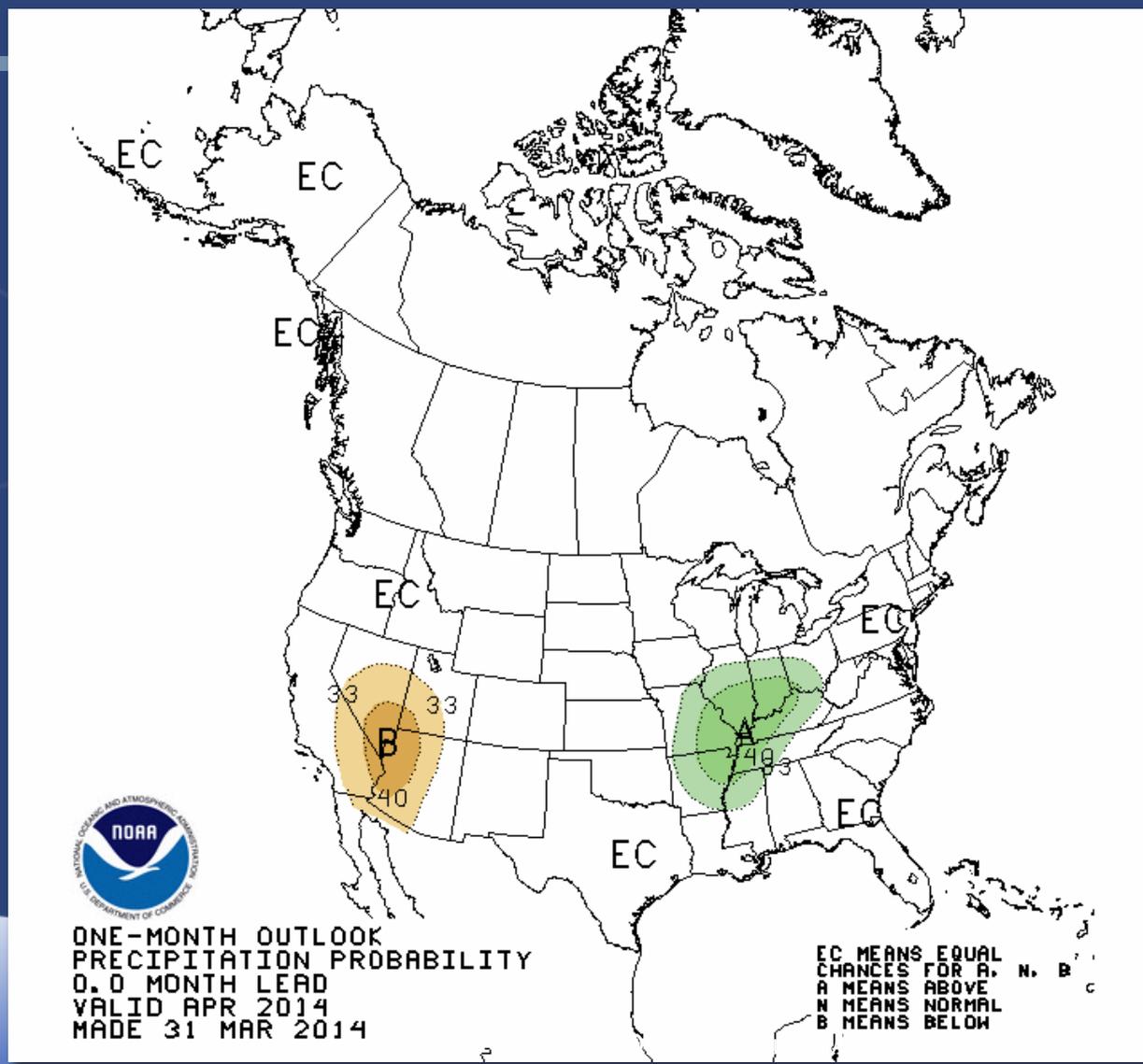
# 8-14 Day Precip Outlook



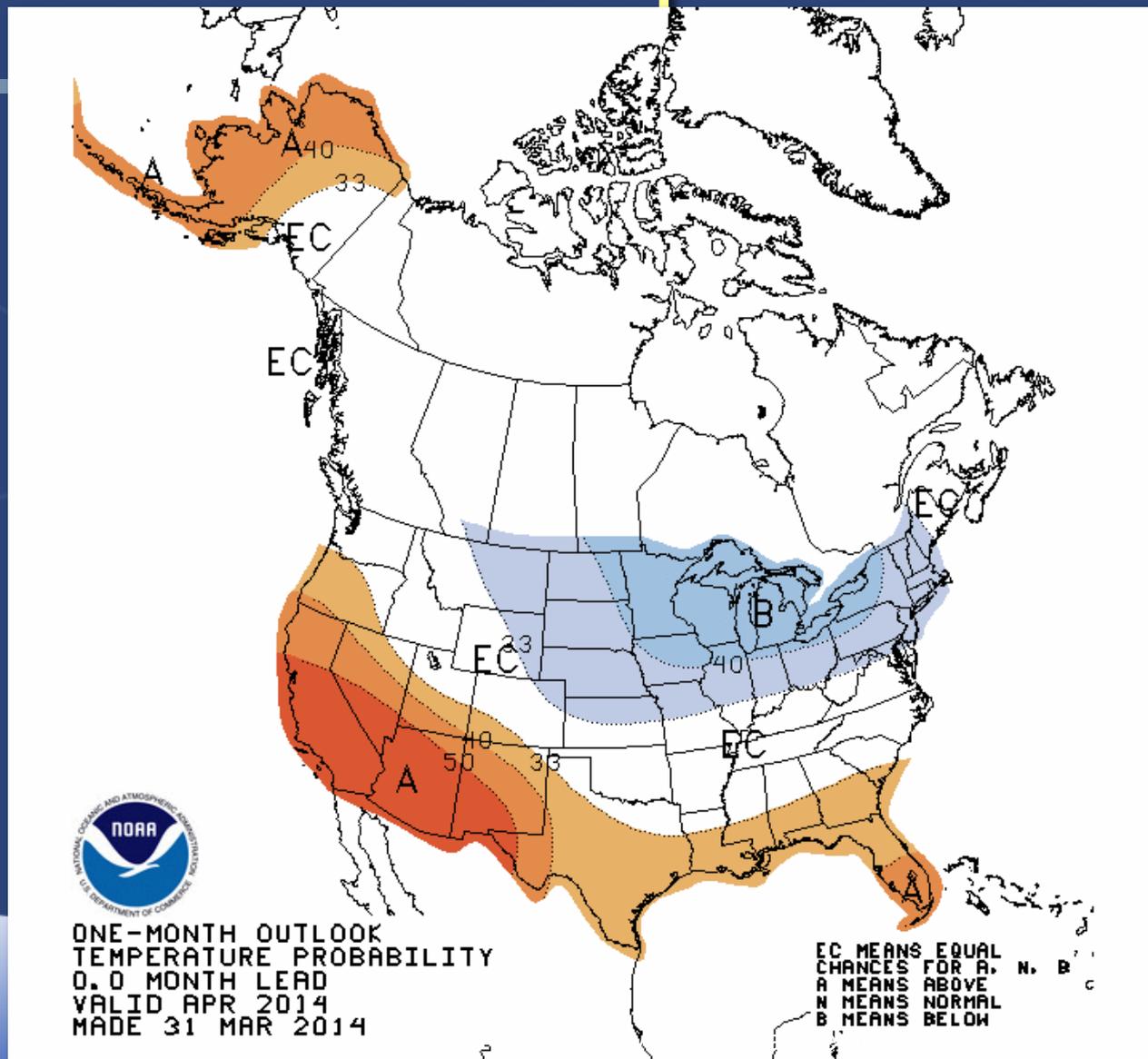
# 8-14 Day Temp Outlook



# 1-month Precip Outlook



# 1-month Temp Outlook



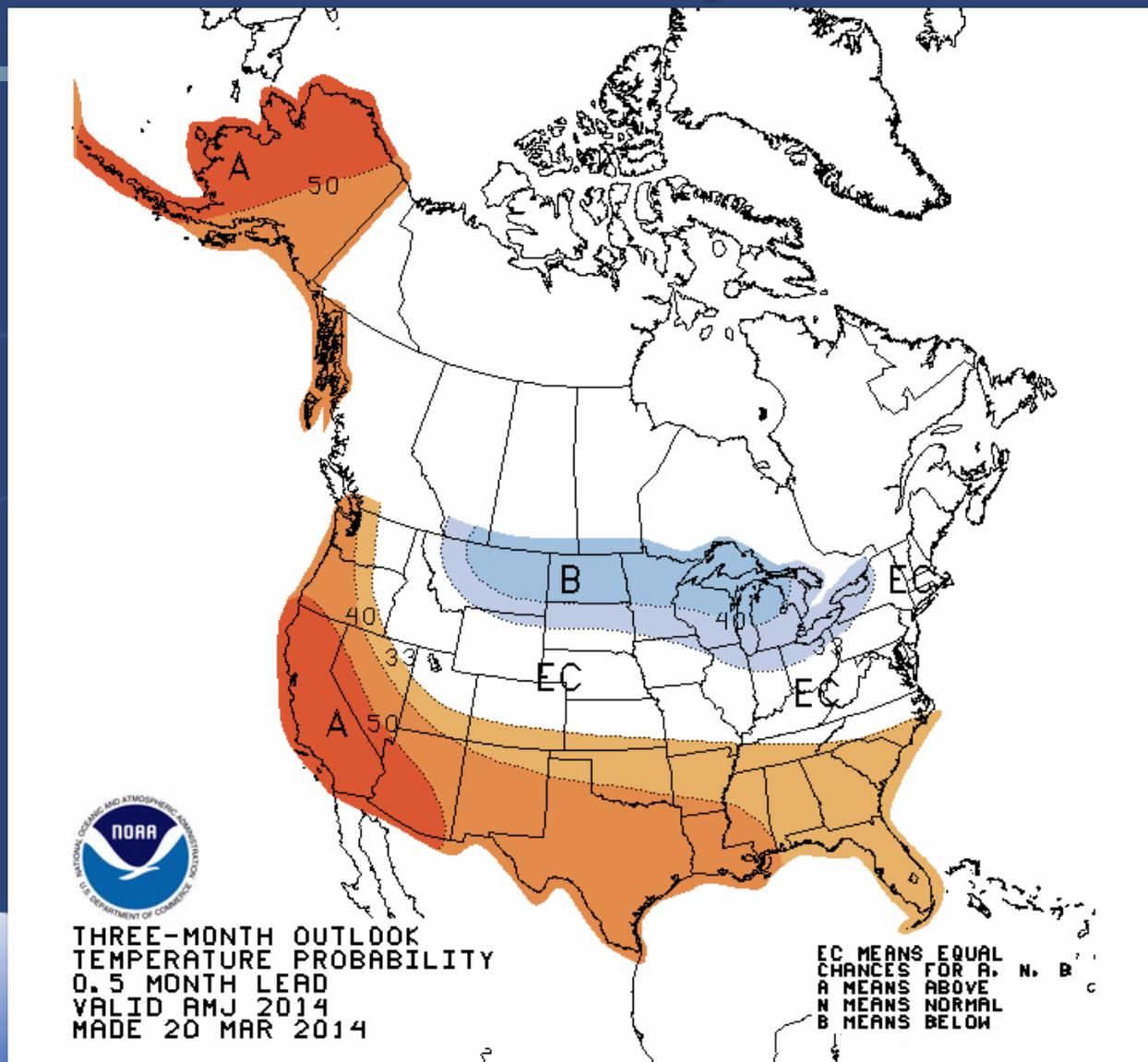
ONE-MONTH OUTLOOK  
 TEMPERATURE PROBABILITY  
 0.0 MONTH LEAD  
 VALID APR 2014  
 MADE 31 MAR 2014

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





# 3-month Temp Outlook



# El Niño Watch

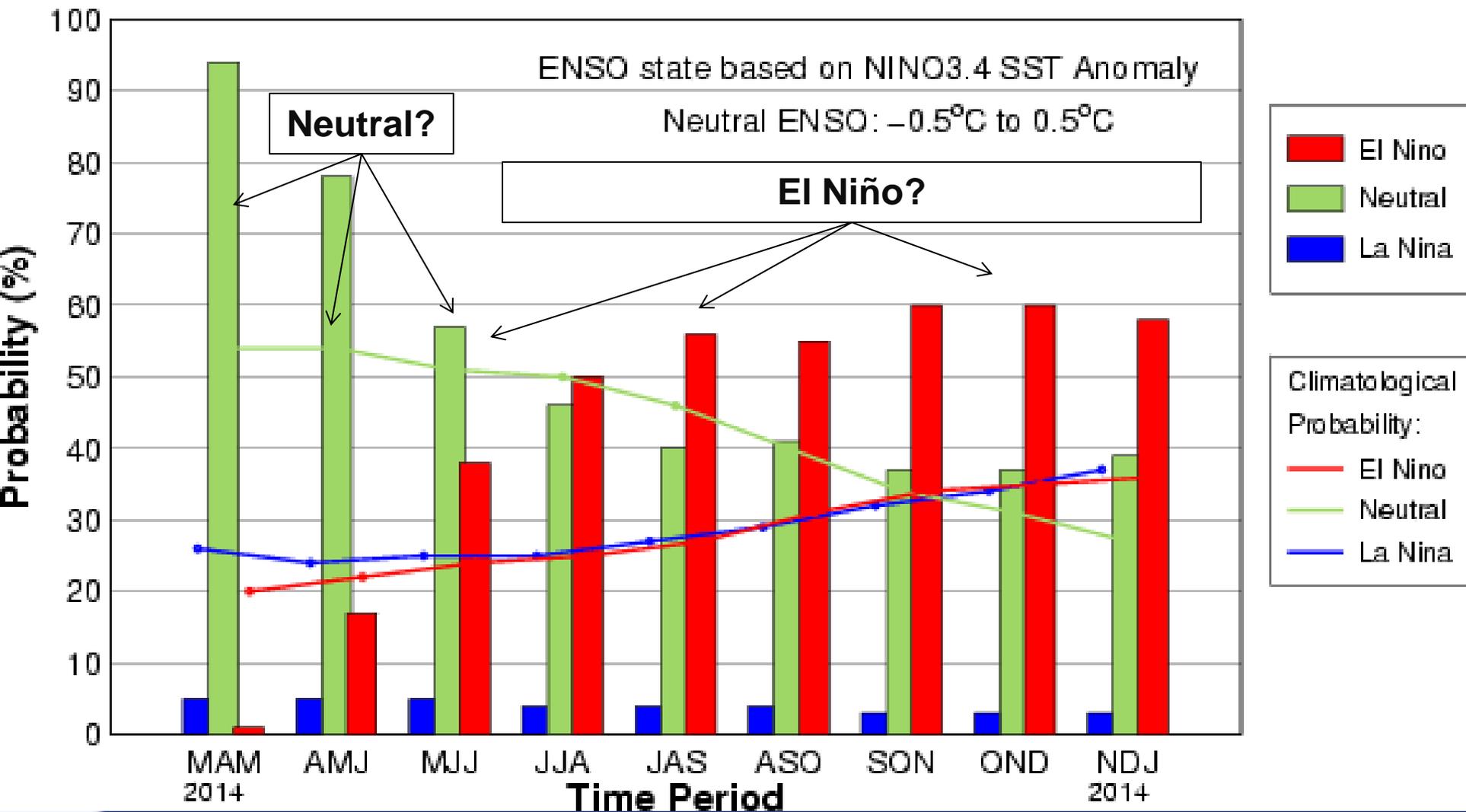
El Niño watch issued when conditions favorable for development over the next 6 months.

## March 20, 2014:

“...many of the ENSO prediction models indicate a warming trend, with neutral ENSO during northern spring 2014 and a fairly likely development of weak El Niño conditions by the end of northern summer.”

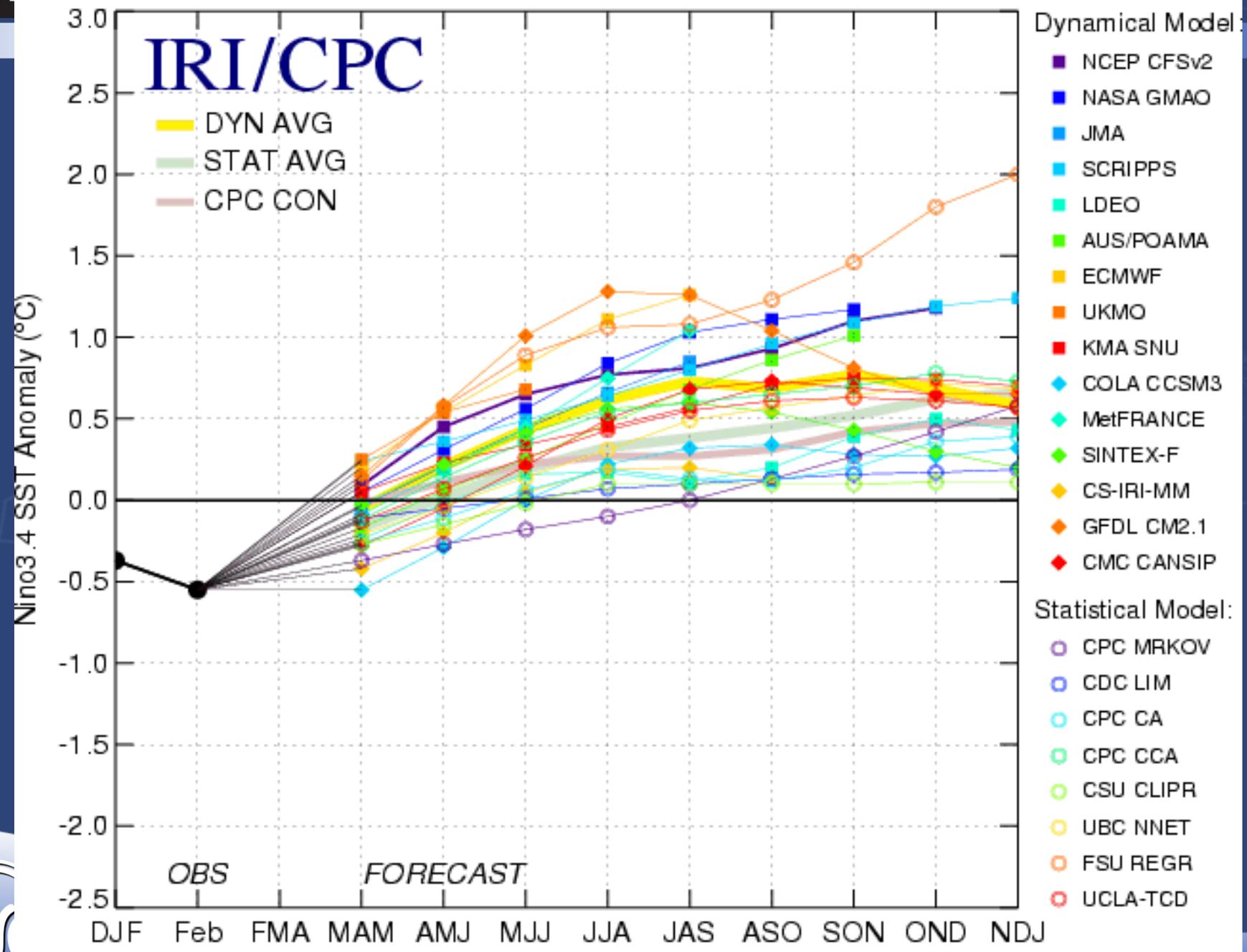
*<http://iri.columbia.edu/our-expertise/climate/forecasts/enso/current/>*

# Mid-Mar IRI/CPC Plume-Based Probabilistic ENSO Forecast



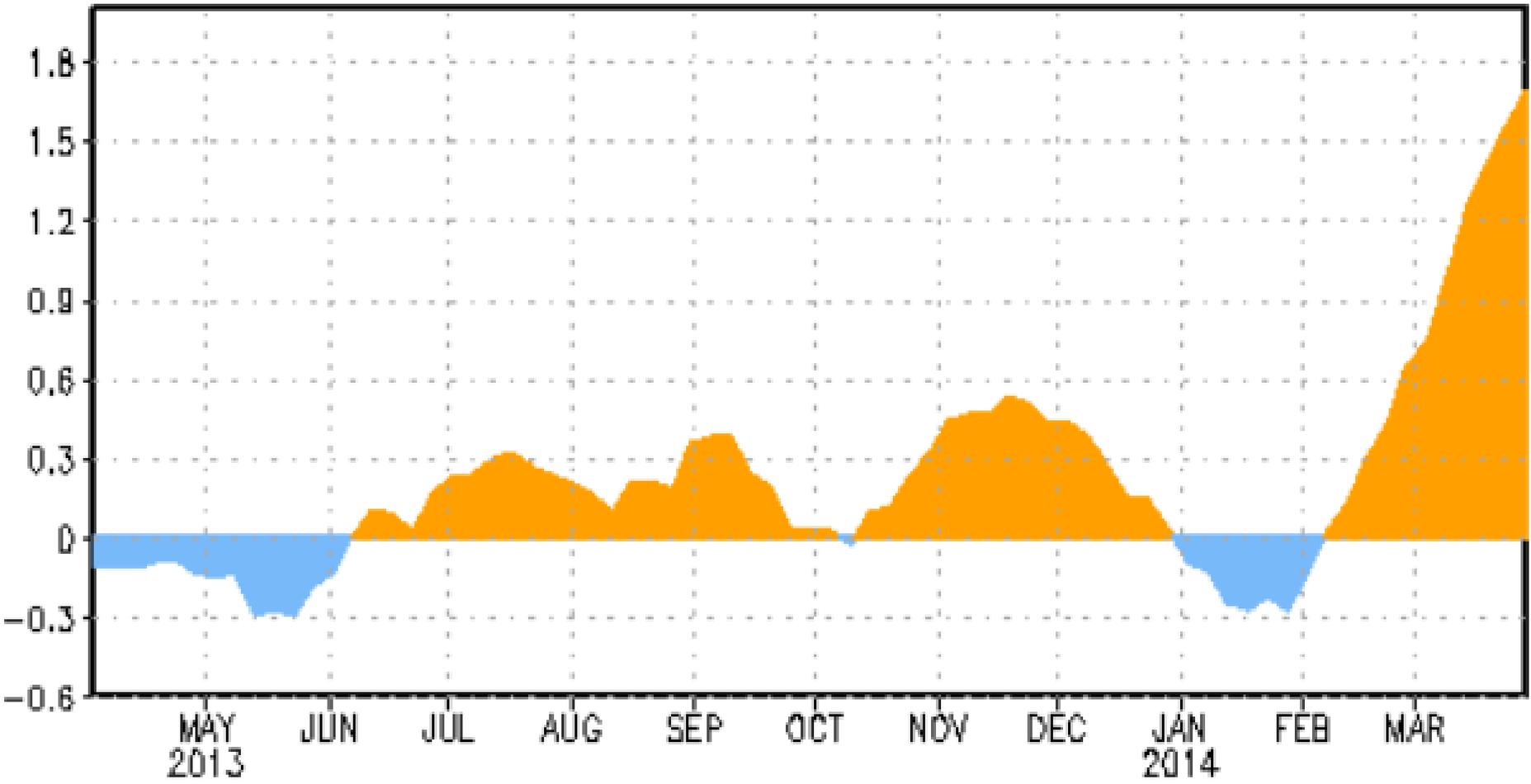
<http://iri.columbia.edu/our-expertise/climate/forecasts/enso/current/>

# Mid-Mar 2014 Plume of Model ENSO Predictions

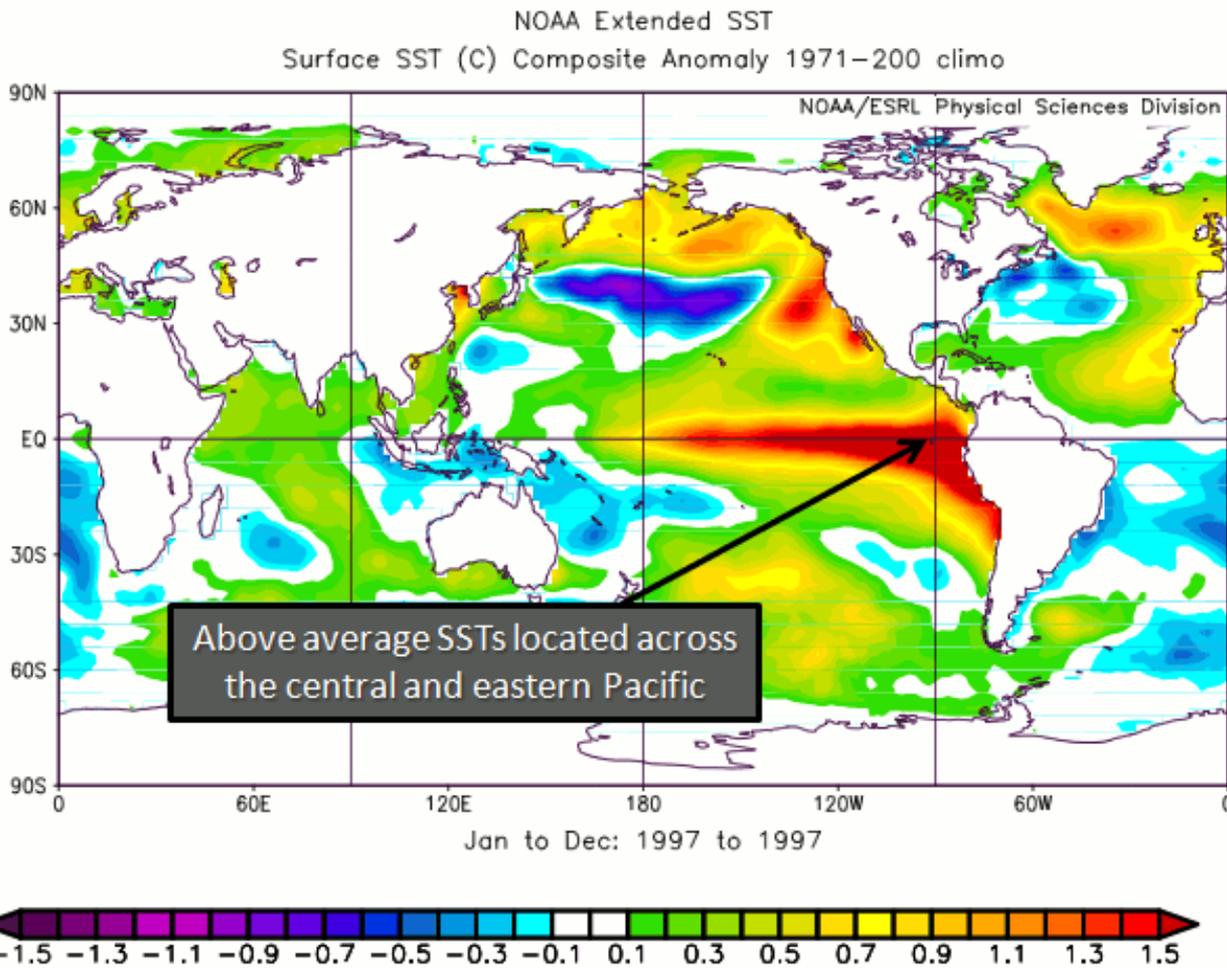


# Upper Ocean Heat (Tropical Pacific)

EQ. Upper-Ocean Heat Anoms. (deg C) for 180-100W



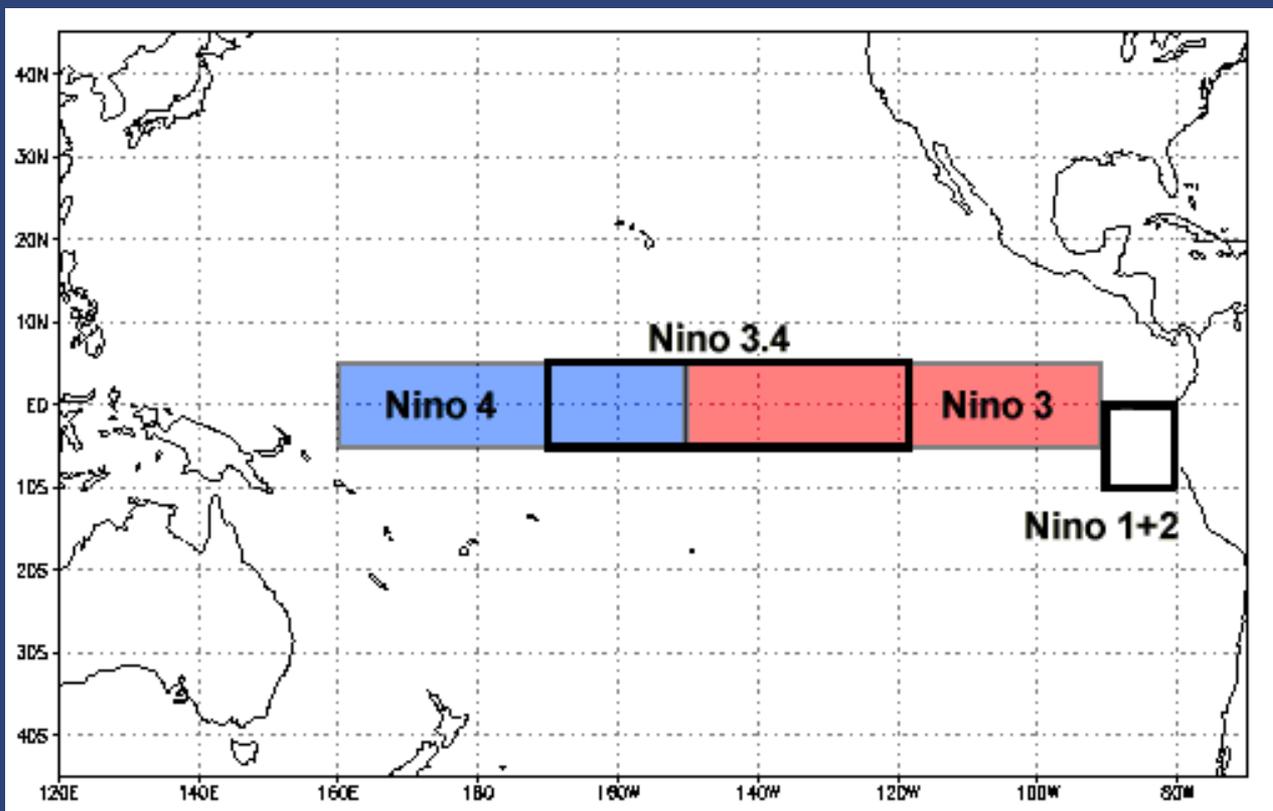
# What is an El Niño?



- Involves fluctuating temperatures in the equatorial Pacific
- Warmer than normal sea surface temps.
- Typically lasts 9-12 months



# What is an El Niño?



Common classification criteria:

- 5 consecutive 3-month running mean SST anomalies above 0.5C in the Niño 3.4 region



# What does that mean for me?

## June through August El Niño Effects

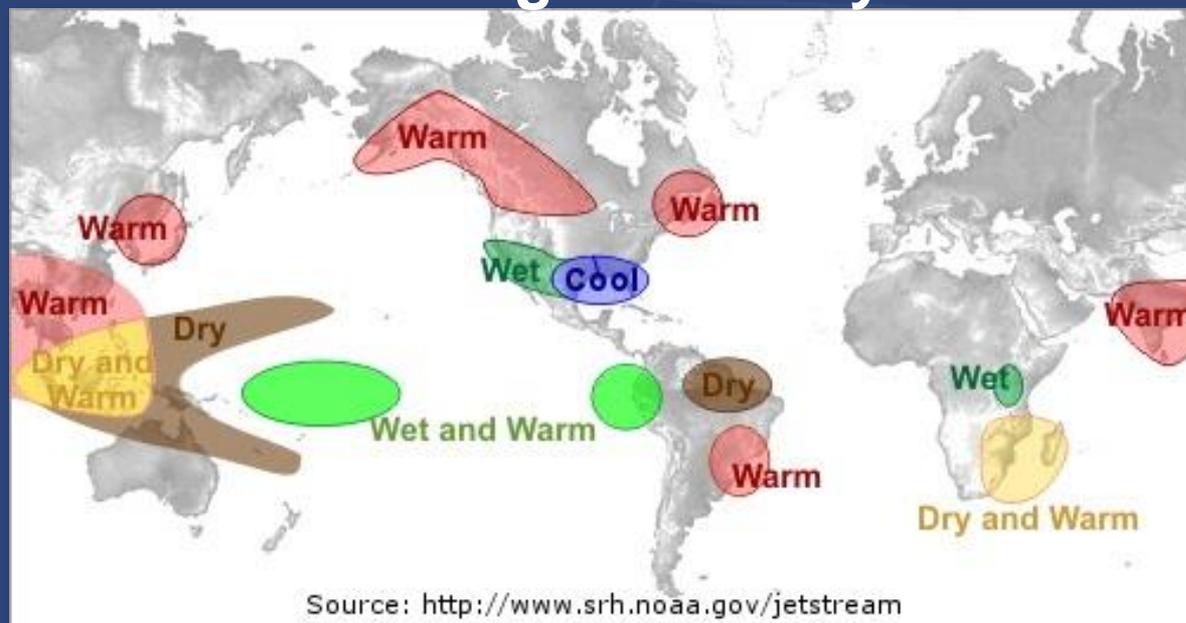


- Increased wind shear over Caribbean and Atlantic
- Can prevent tropical disturbances from developing into hurricanes



# What does that mean for me?

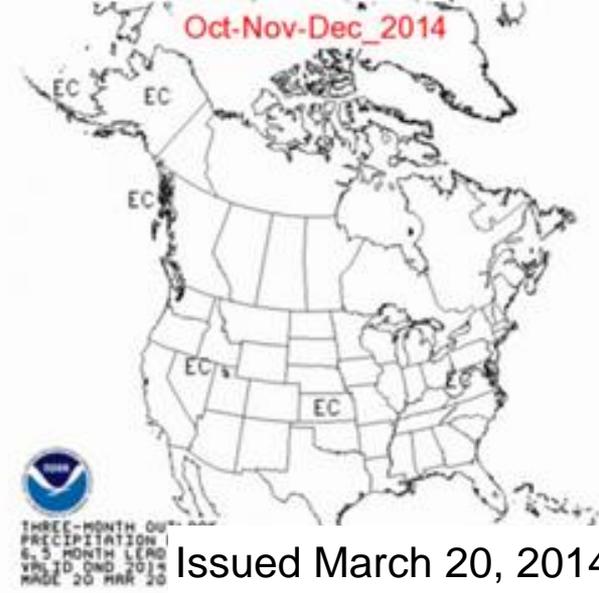
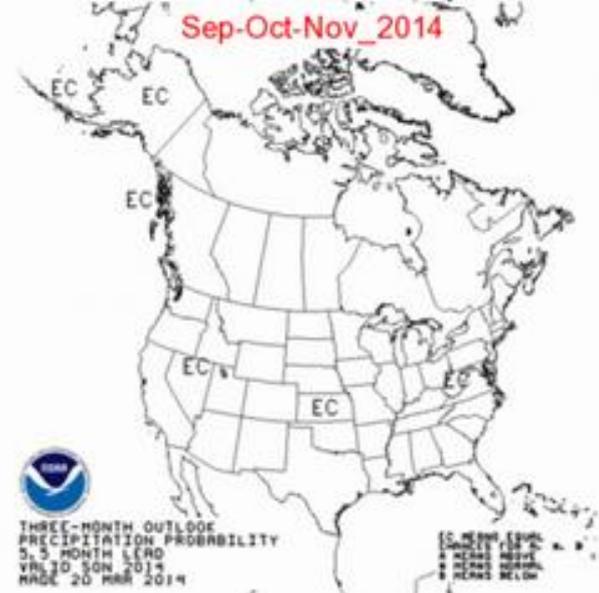
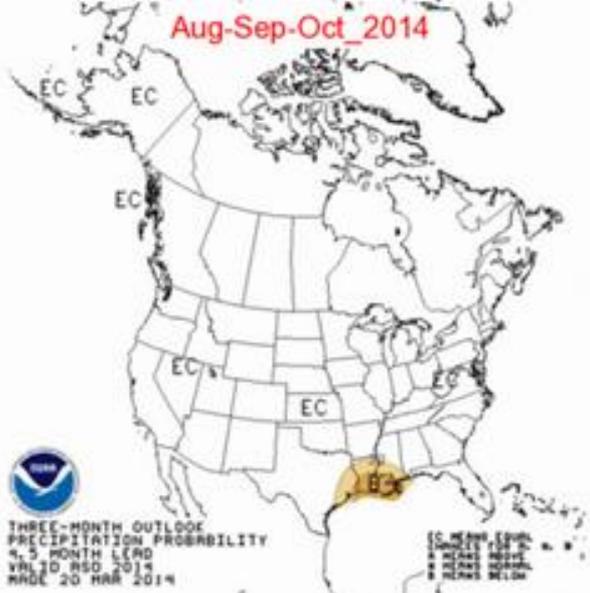
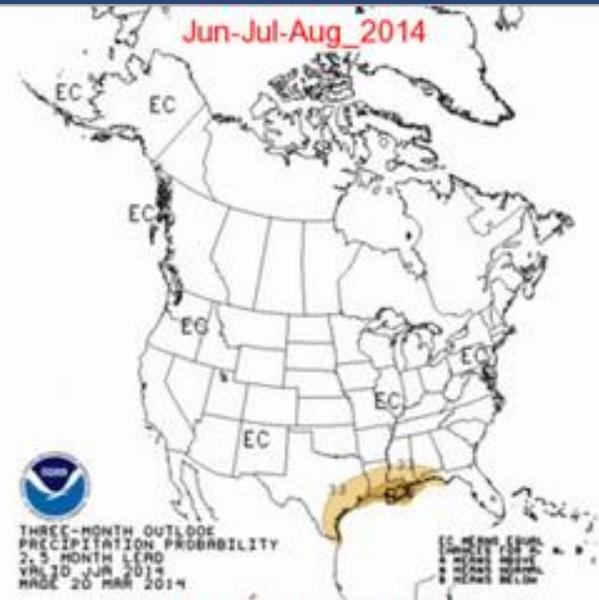
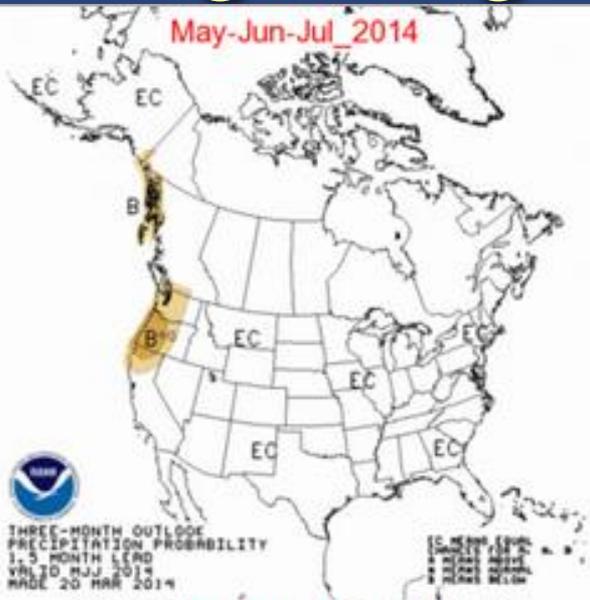
## December through February El Niño Effects



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

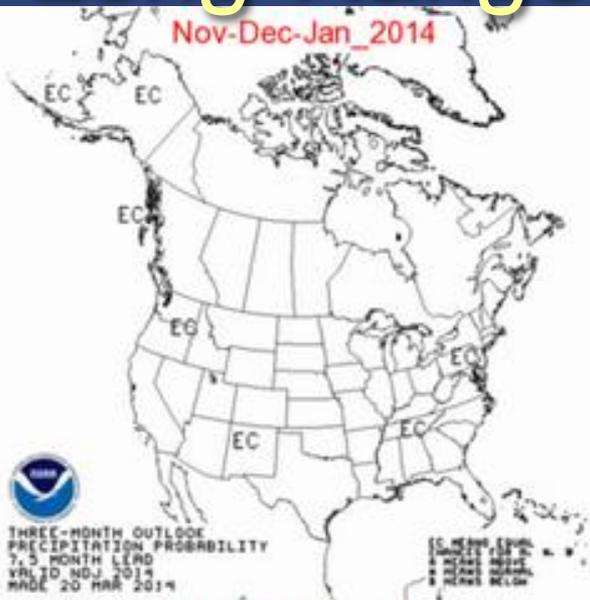


# Long-Range Seasonal Outlooks (Precip)

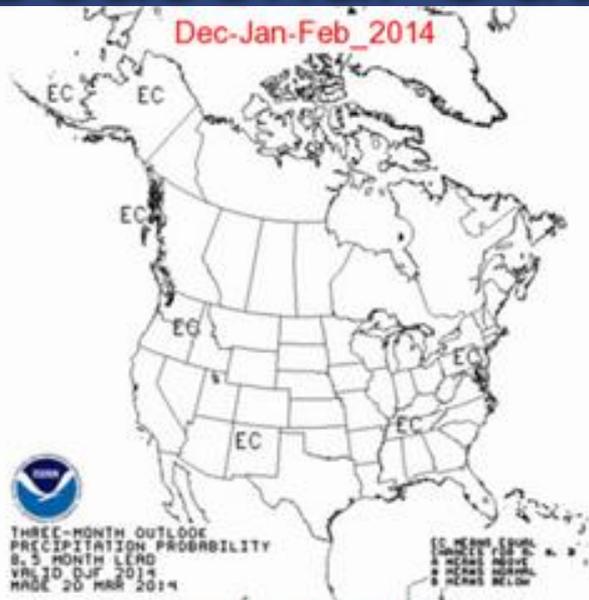


# Long-Range Seasonal Outlooks (Precip)

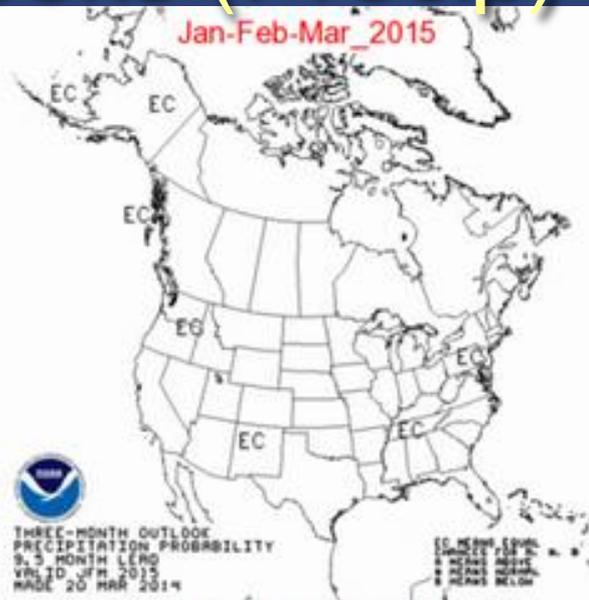
Nov-Dec-Jan\_2014



Dec-Jan-Feb\_2014



Jan-Feb-Mar\_2015



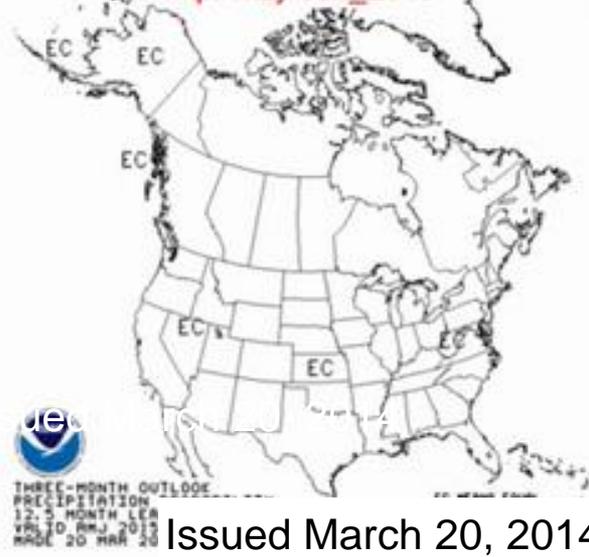
Feb-Mar-Apr\_2015



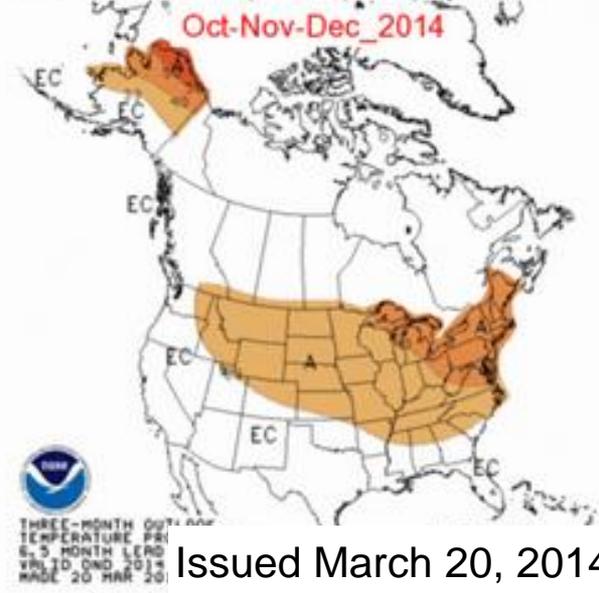
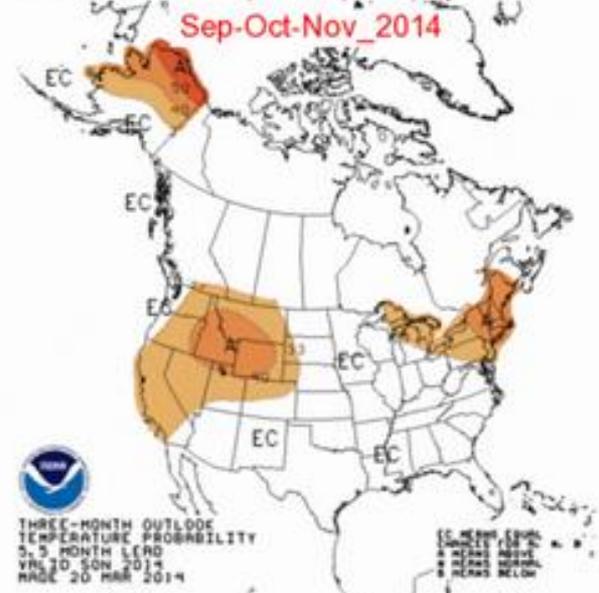
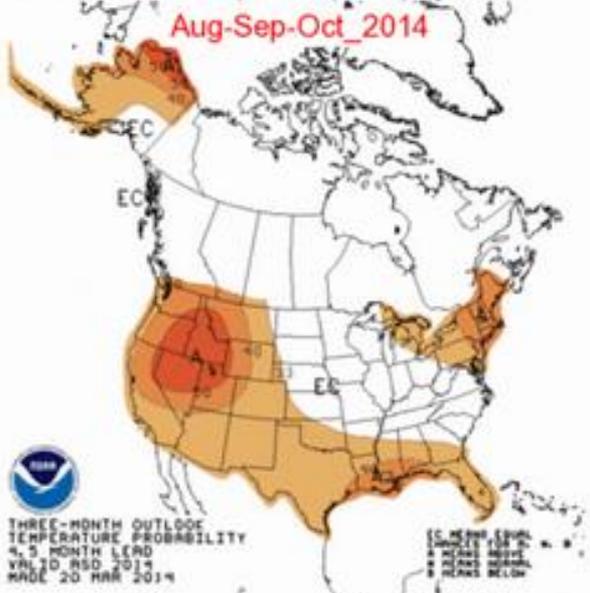
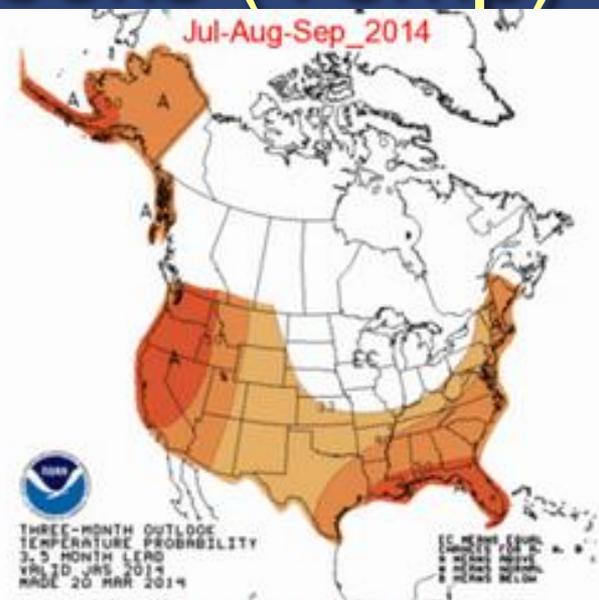
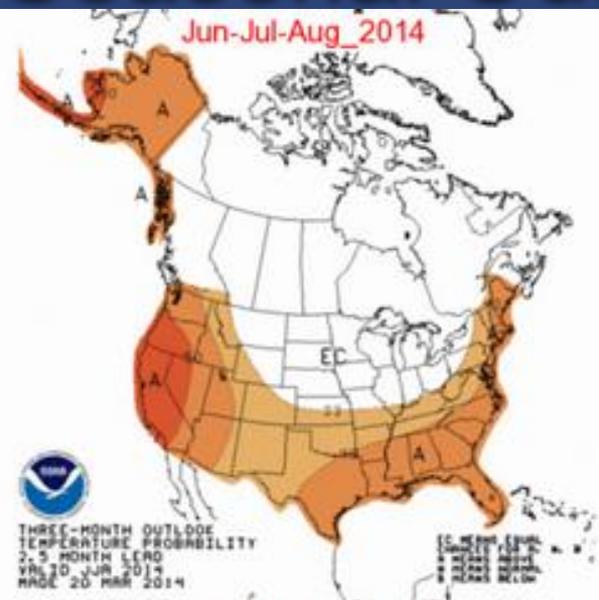
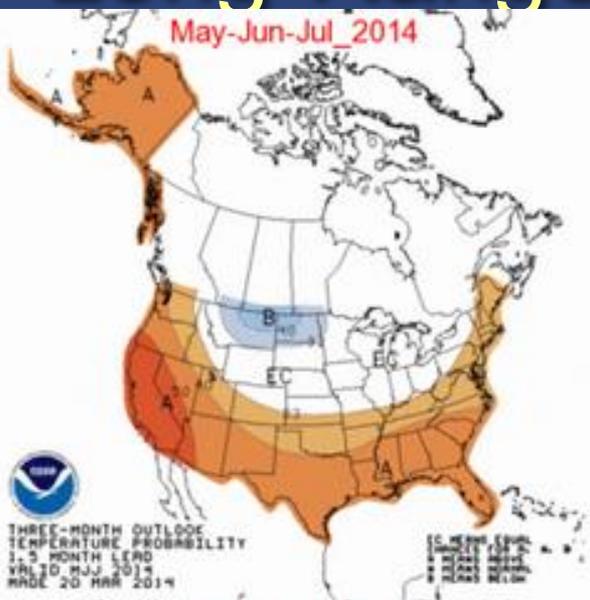
Mar-Apr-May\_2015



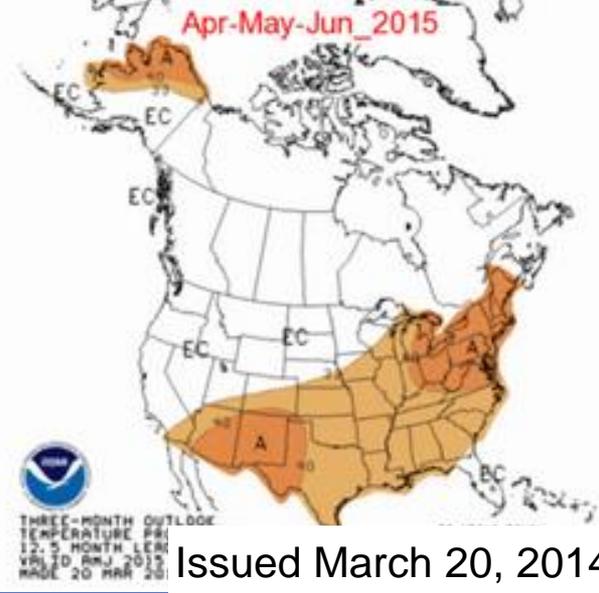
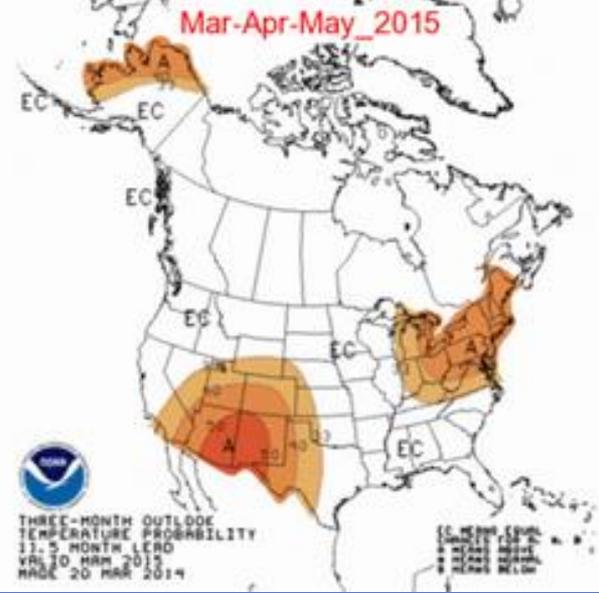
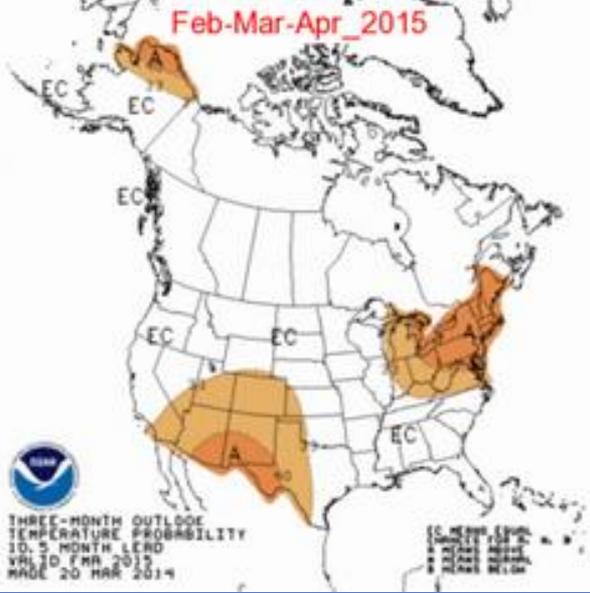
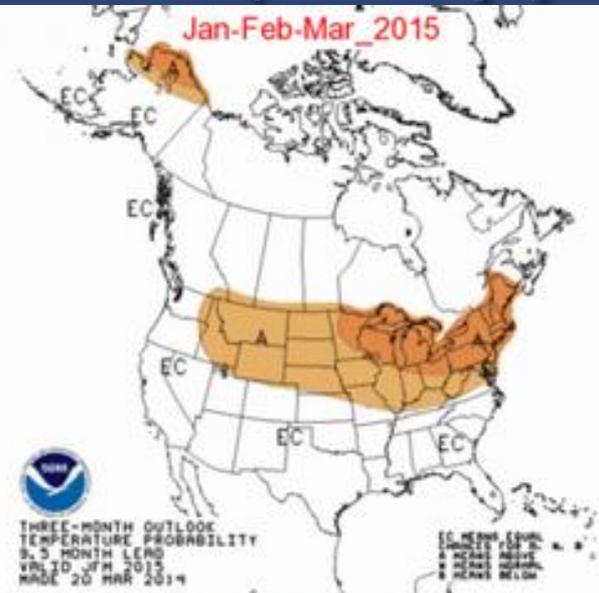
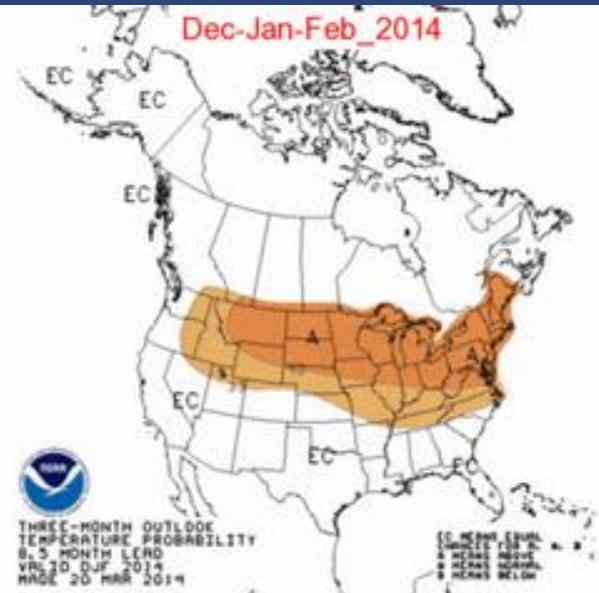
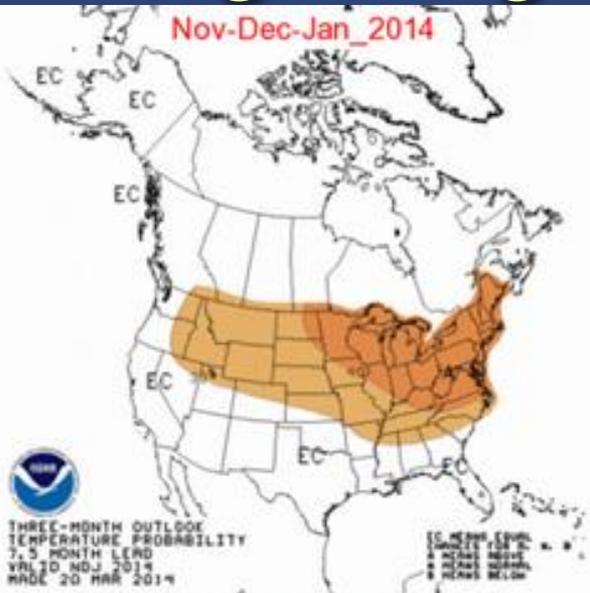
Apr-May-Jun\_2015



# Long-Range Seasonal Outlooks (Temp)



# Long-Range Seasonal Outlooks (Temp)



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**<http://www.nc-climate.ncsu.edu>**

**919-515-3056 or 877-718-5544**