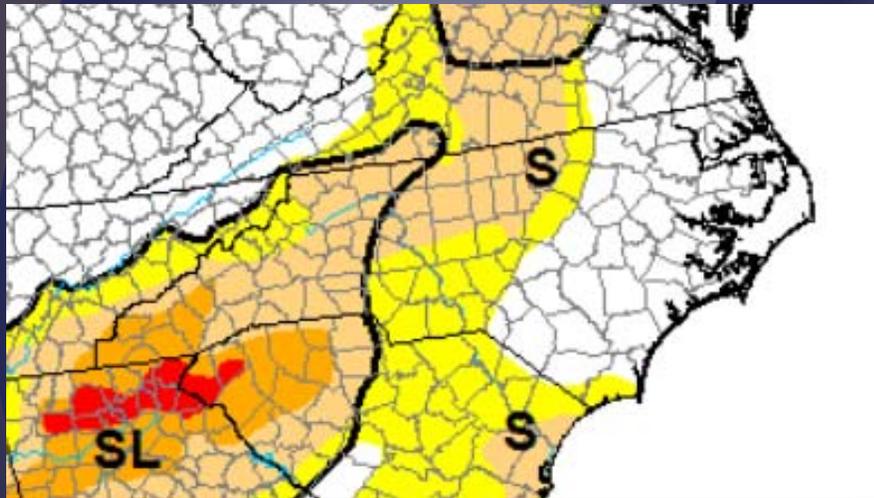


NCDMAC Annual Meeting

4/6/2017



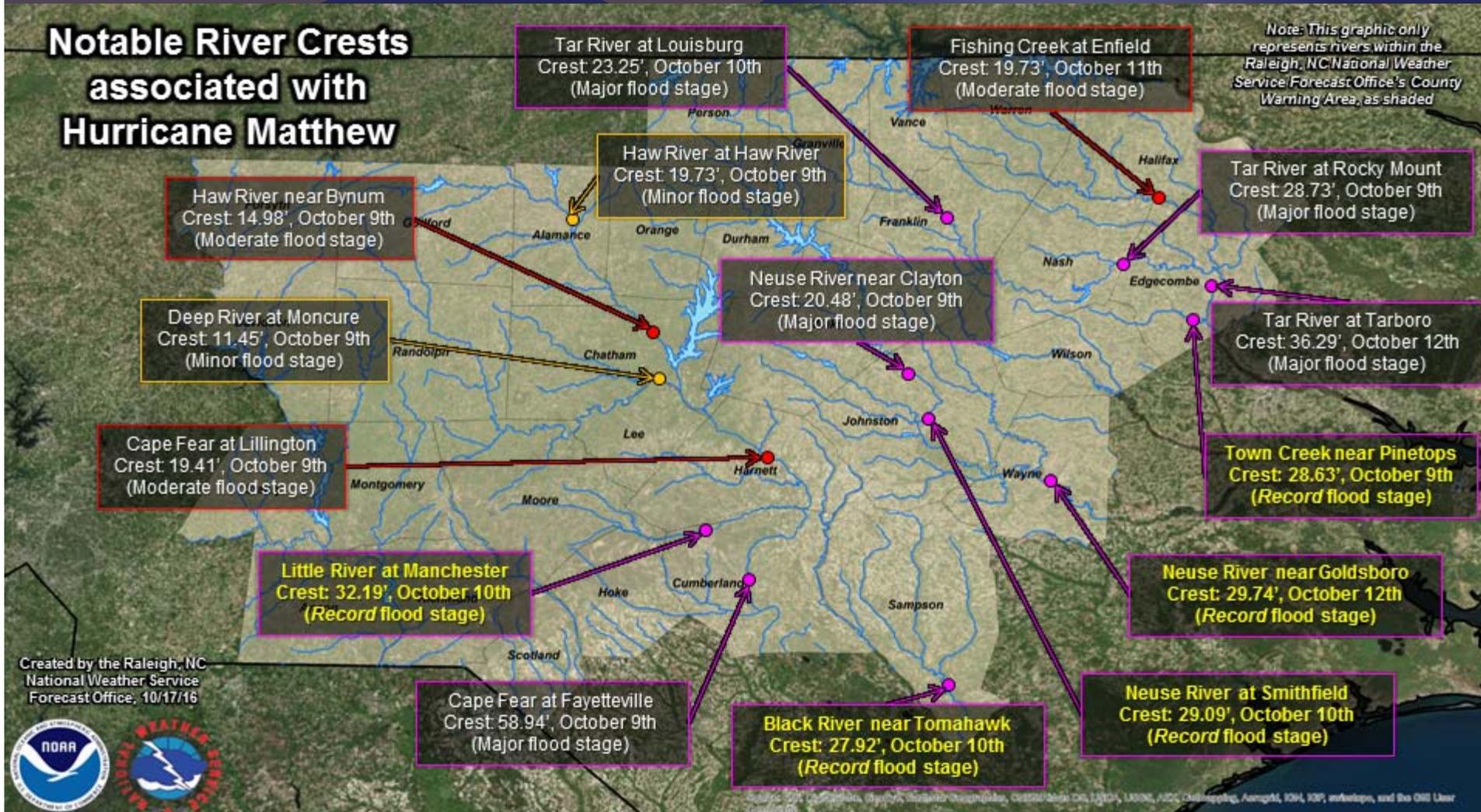
Weather Forecast
And
Long Range Outlook



Michael Money penny
NWS Raleigh, NC

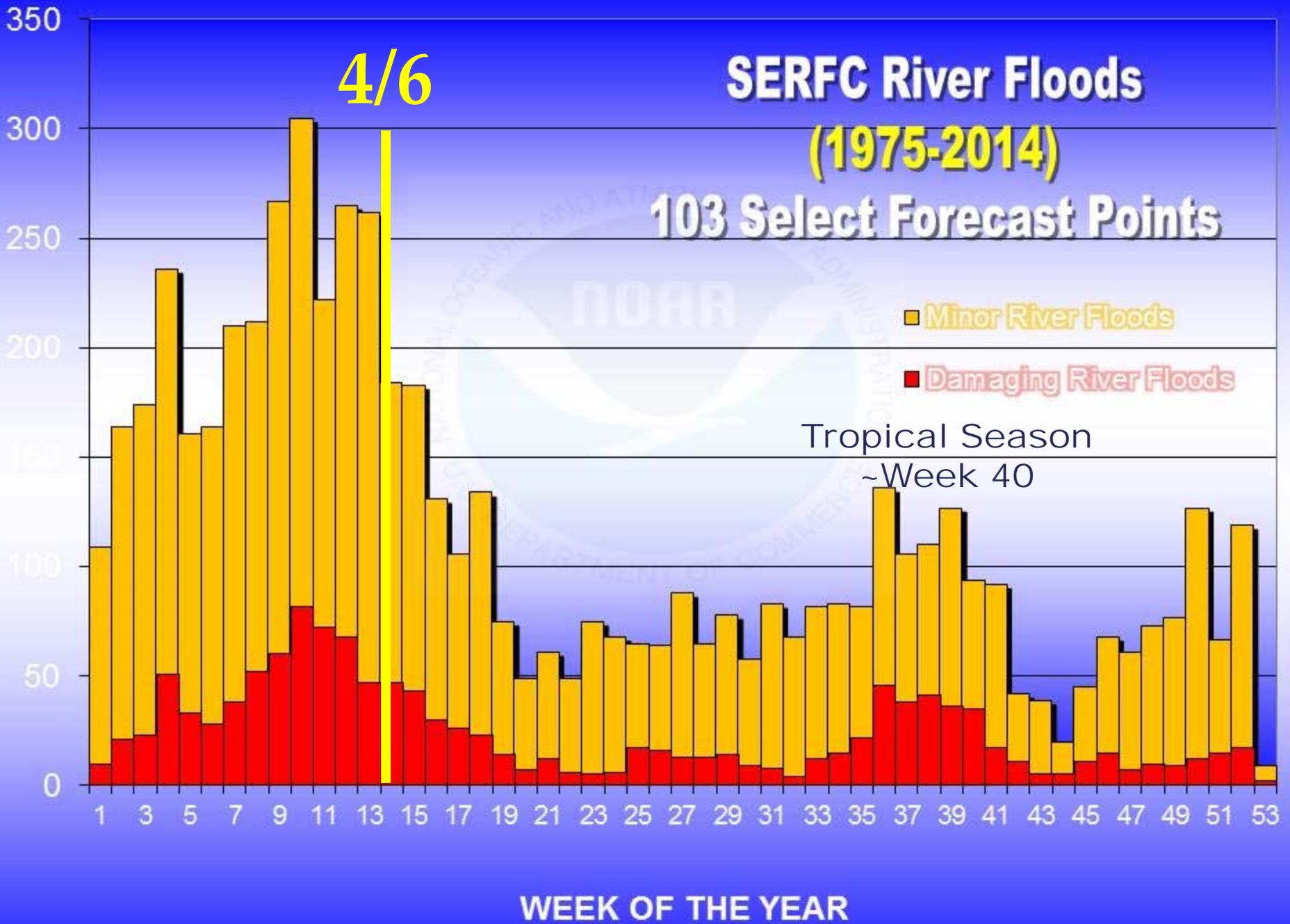


Notable River Crests associated with Hurricane Matthew



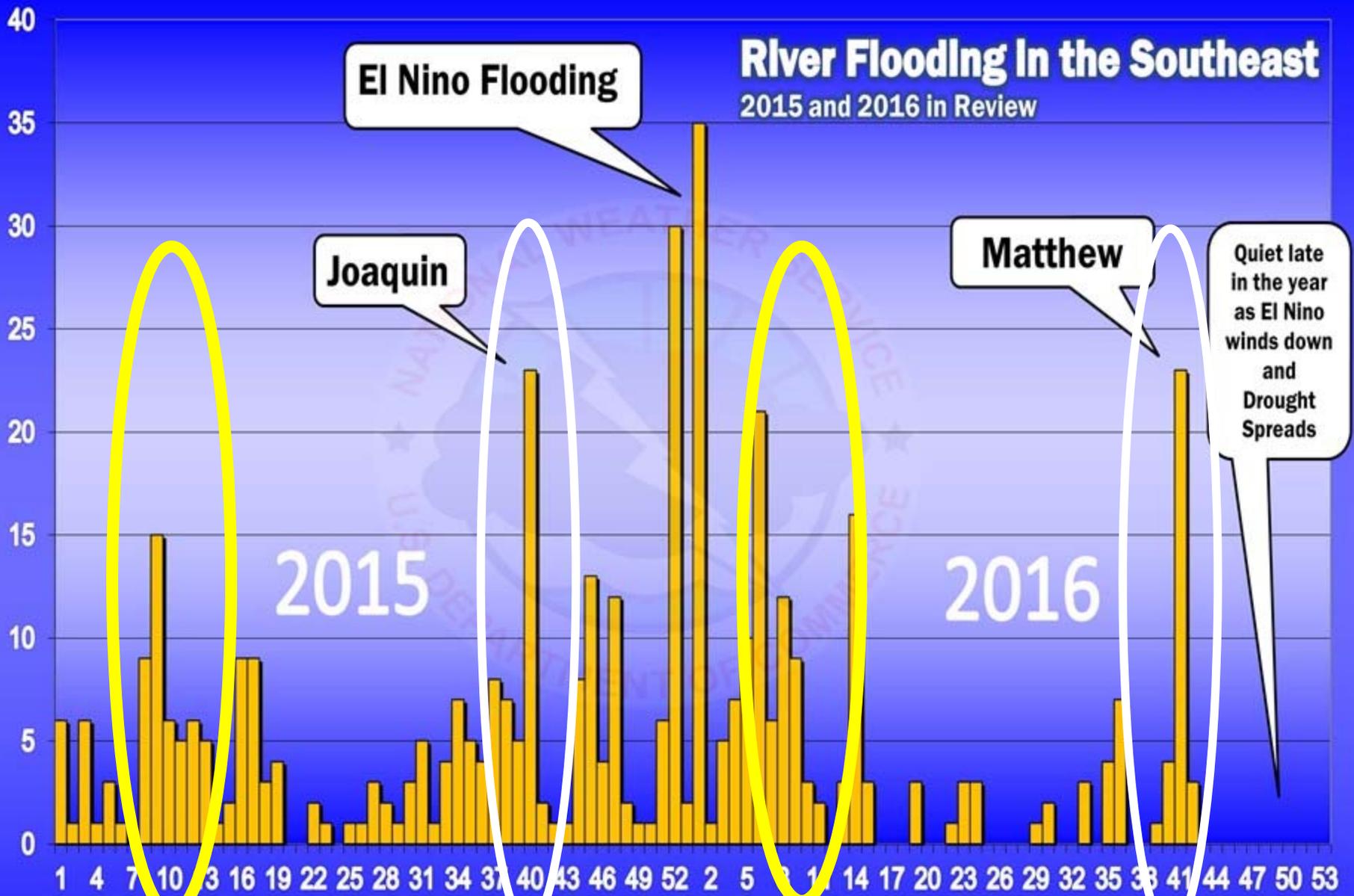
Created by the Raleigh, NC National Weather Service Forecast Office, 10/17/16





River Flooding In the Southeast

2015 and 2016 in Review



El Nino Flooding

Joaquin

Matthew

Quiet late in the year as El Nino winds down and Drought Spreads

2015

2016

WEEK OF THE YEAR

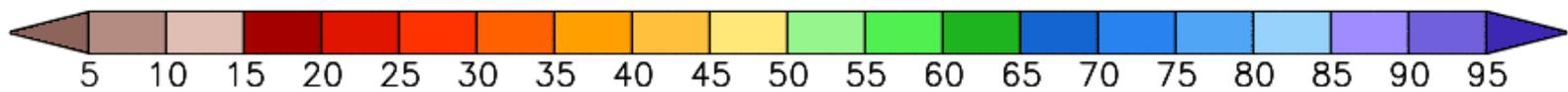
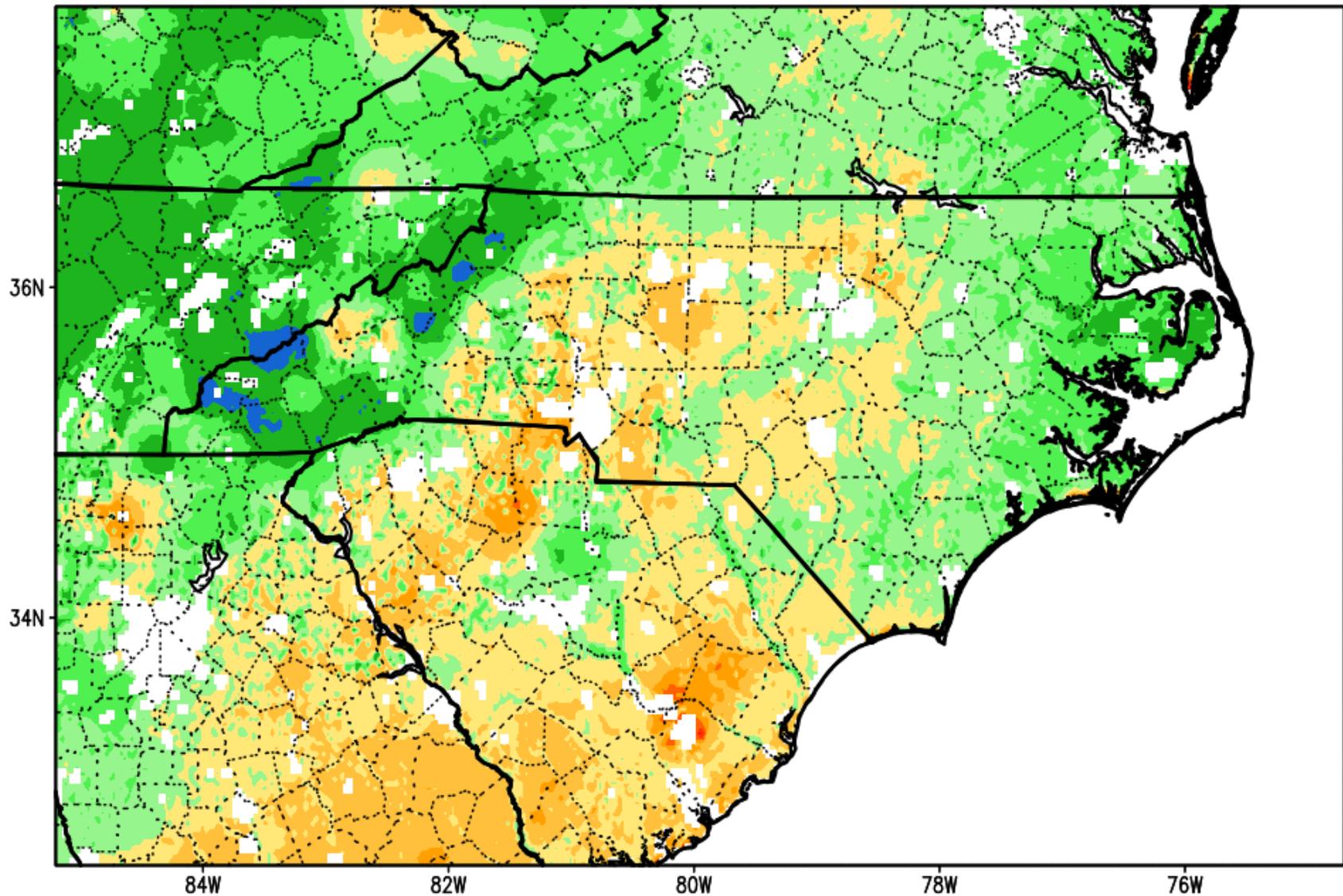
SERFC River Floods

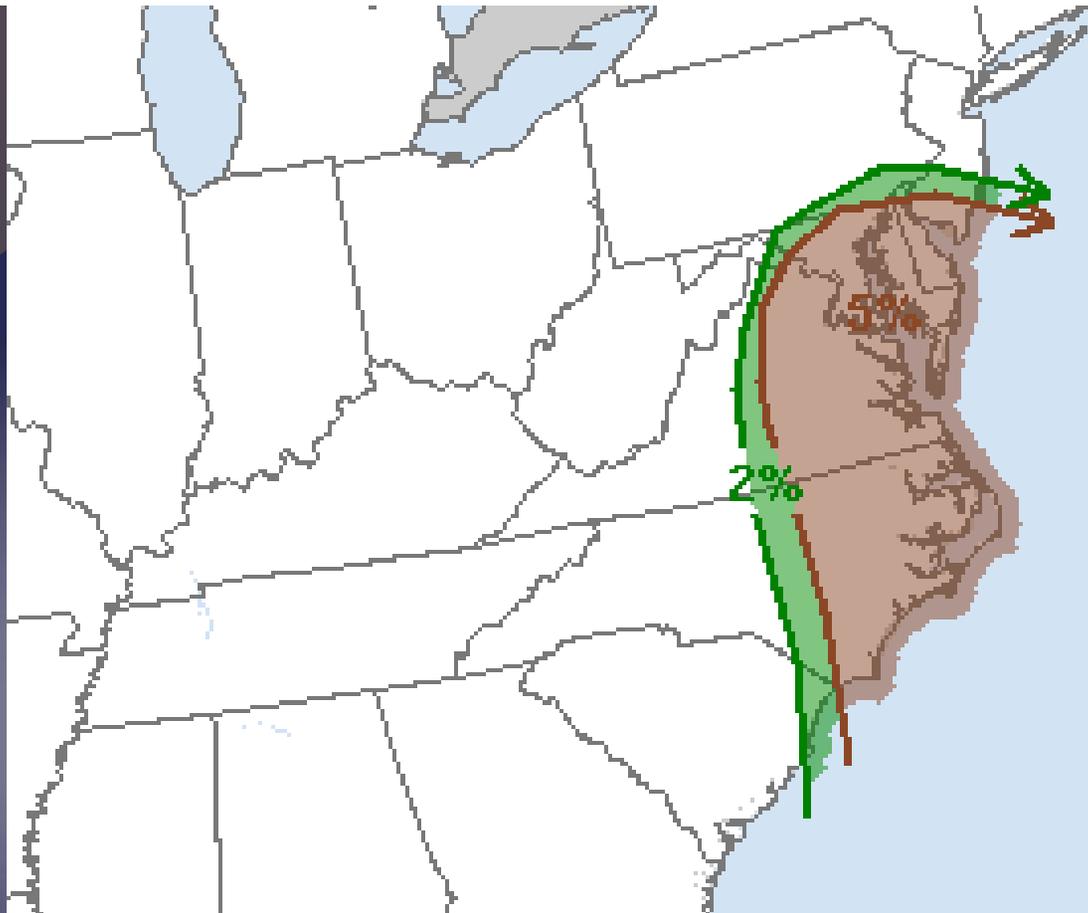
2015-2016

103 Select Forecast Points

Column-Integrated Relative Soil Moisture (available water; %) valid 00z 02 Apr 2017

Precipitation in previous hour (1,2,5,10,15,20,25 mm contours)





Tornado Probability Legend (in %):



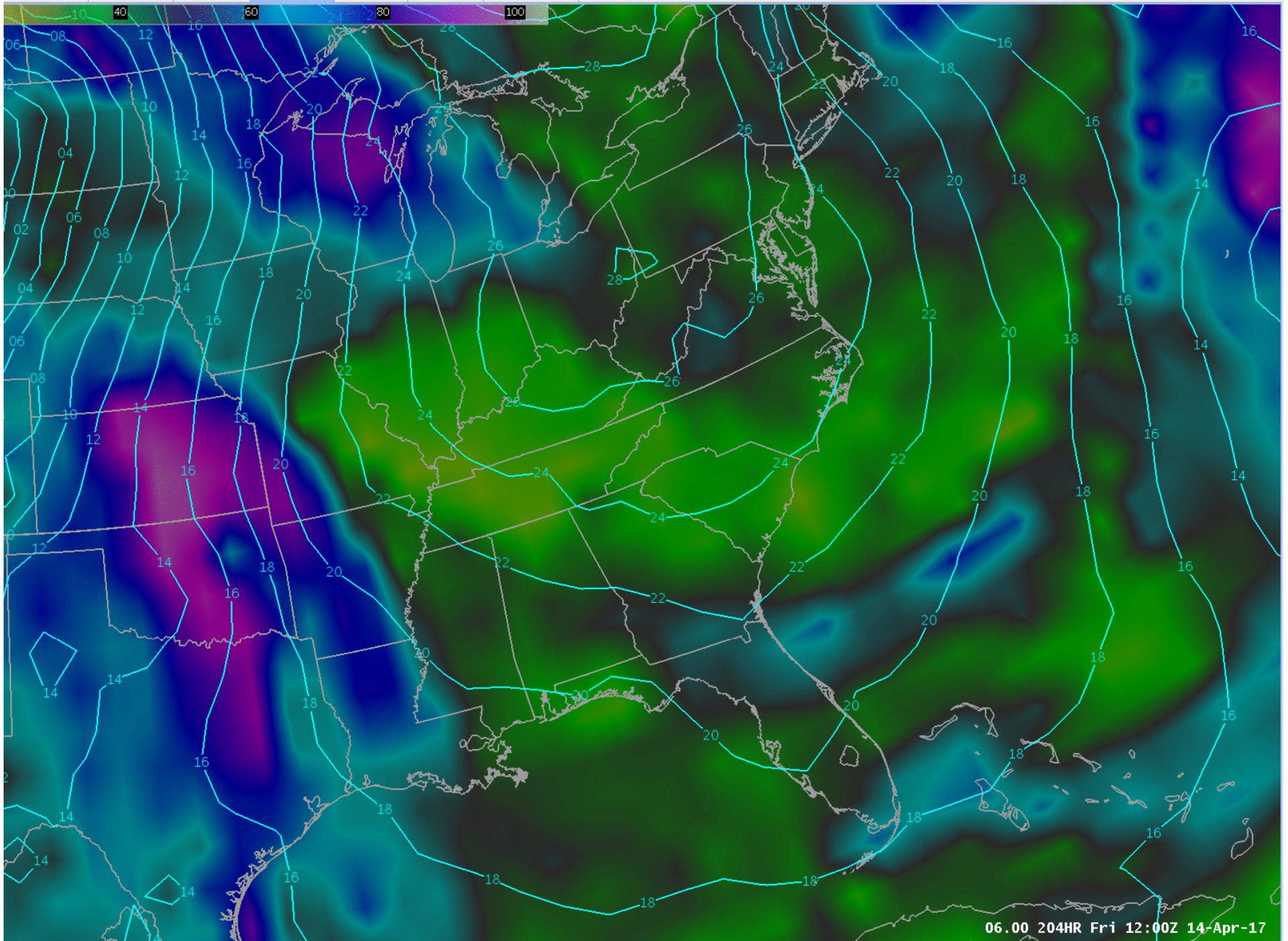
SPC DAY 1 TORNADO OUTLOOK

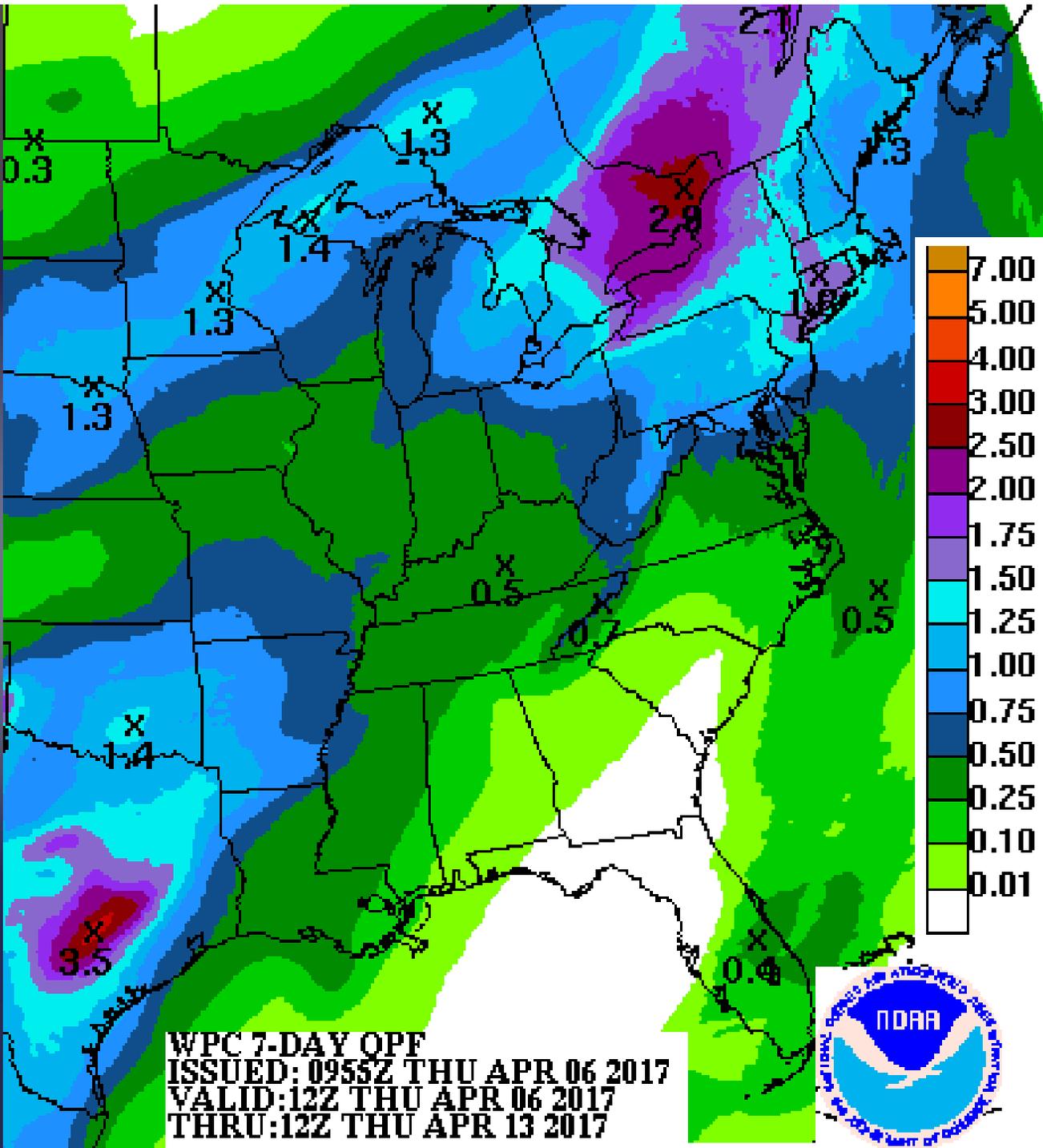
ISSUED: 0609Z 04/06/2017

VALID: 06/1200Z-07/1200Z

FORECASTER: PETERS

NOAA/NWS Storm Prediction Center, Norman, Oklahoma





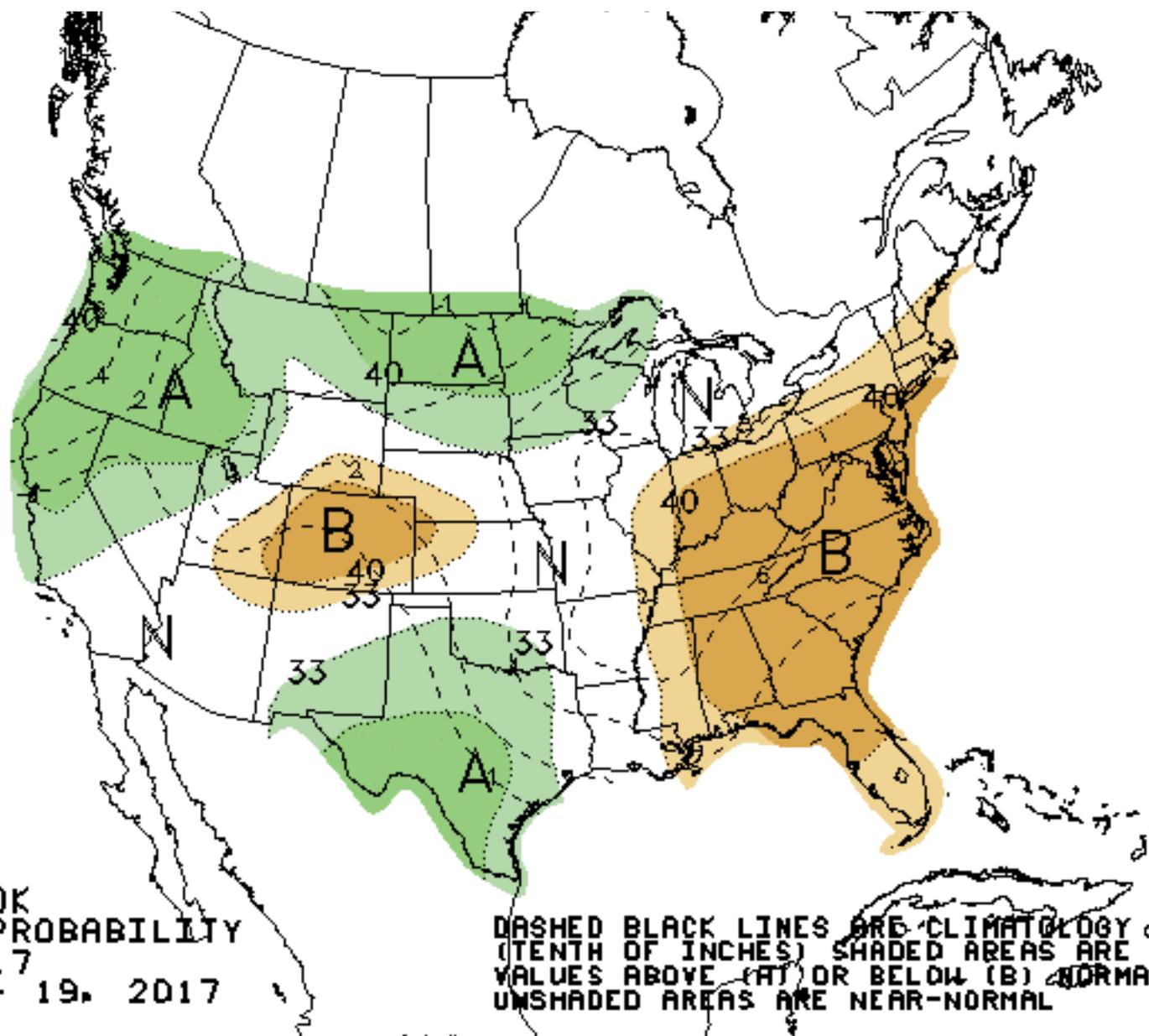
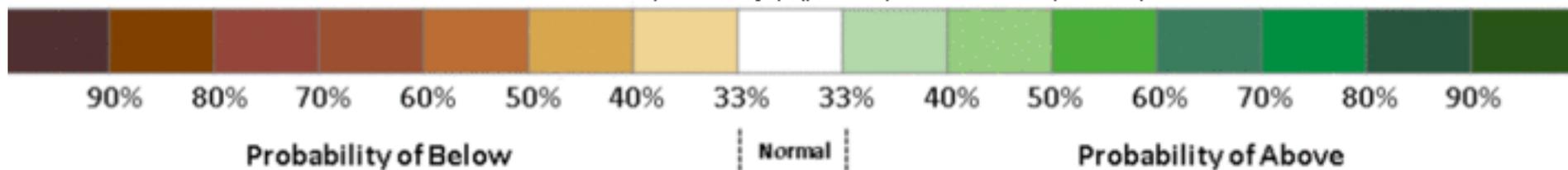
WPC 7-DAY QPF
 ISSUED: 0955Z THU APR 06 2017
 VALID: 12Z THU APR 06 2017
 THRU: 12Z THU APR 13 2017





8-14 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 5 APR 2017
VALID APR 13 - 19, 2017

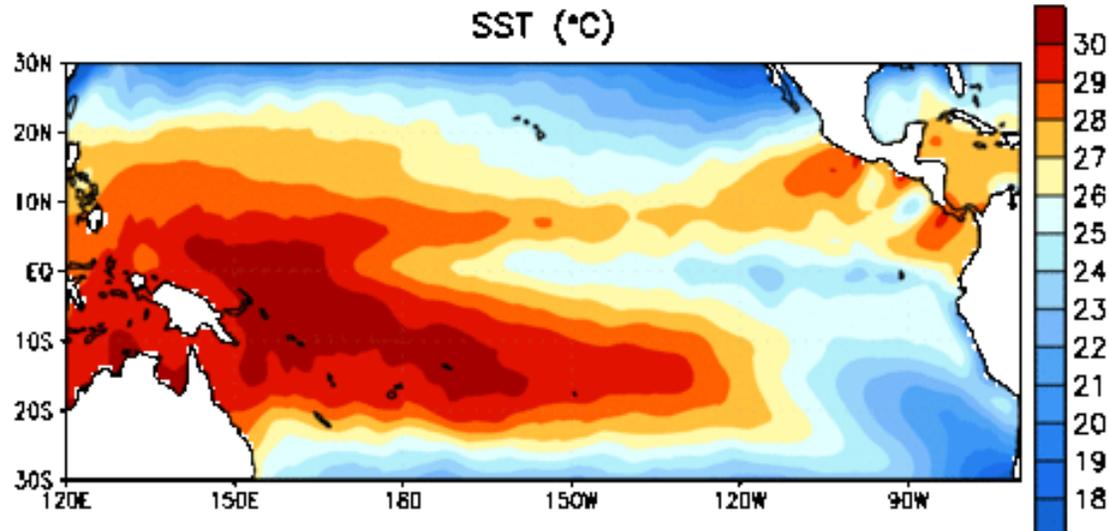
DASHED BLACK LINES ARE CLIMATOLOGY C
(TENTH OF INCHES) SHADED AREAS ARE FCST
VALUES ABOVE (A) OR BELOW (B) NORMAL
UNSHADED AREAS ARE NEAR-NORMAL



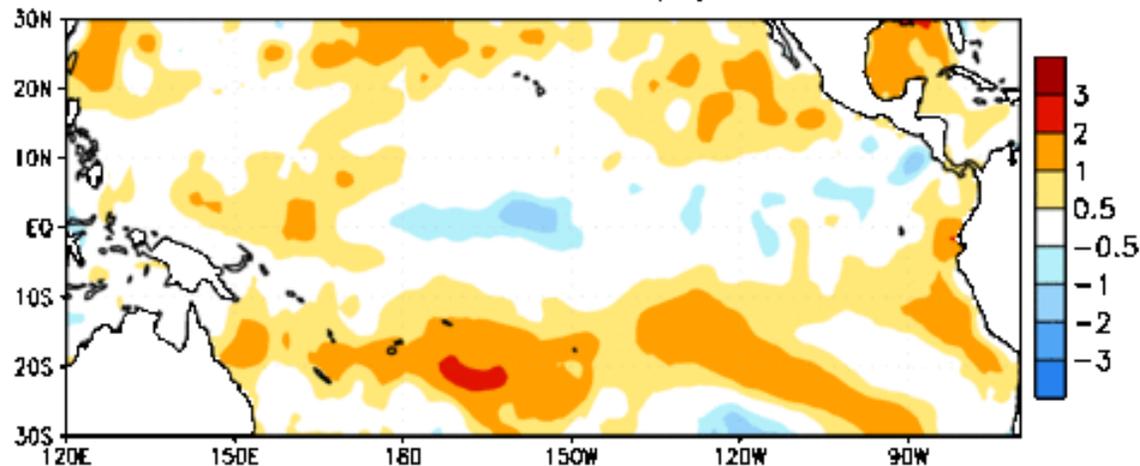
ENSO

Current Status and Predictions

Week centered on 11 JAN 2017
SST (°C)



Week centered on 11 JAN 2017
SST Anomalies (°C)



Climate Prediction
Center / NCEP
3 April 2017

Summary

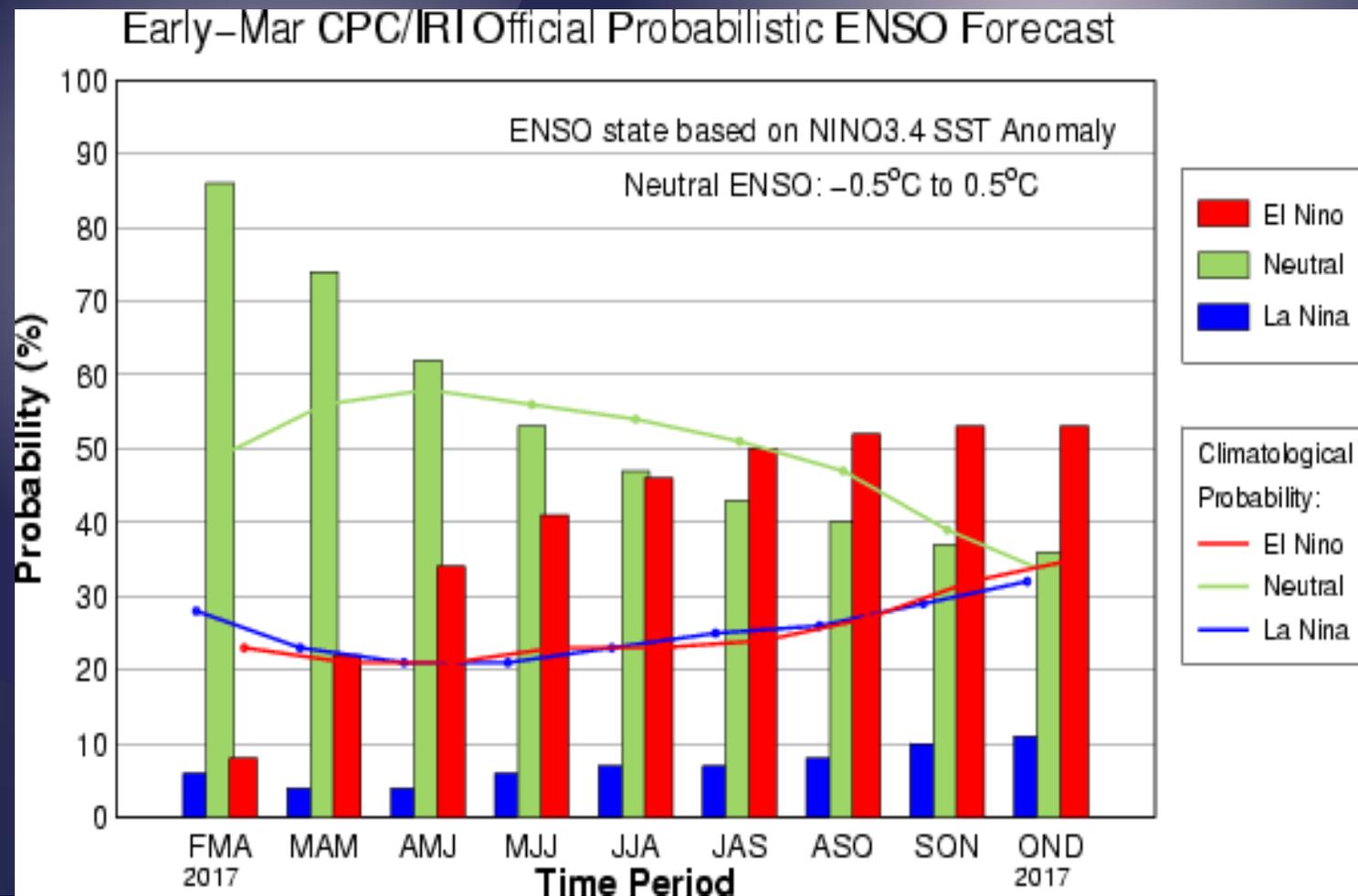
ENSO-neutral conditions are present.

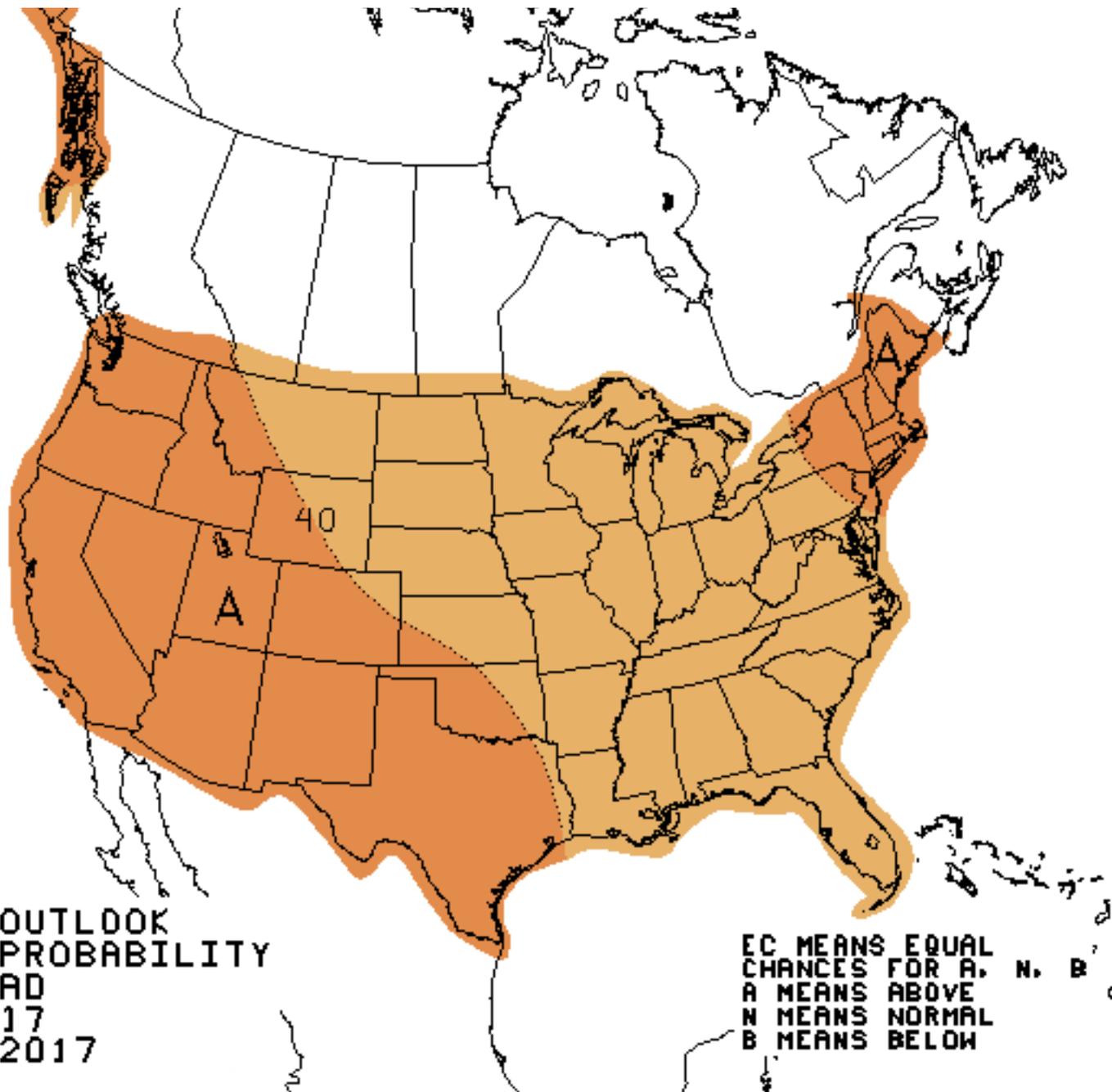
Equatorial sea surface temperatures (SSTs) are near-average across the central and east-central Pacific. They are above-average in the eastern Pacific Ocean.

ENSO-neutral conditions are favored to continue through at least the Northern Hemisphere spring 2017, with increasing chances for El Niño development into the fall.

CPC/IRI Probabilistic ENSO Outlook

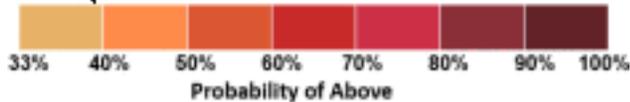
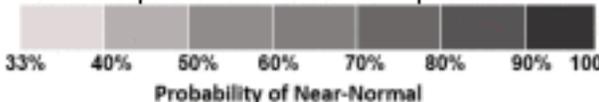
ENSO-neutral is favored through mid-2017, with a slight tilt toward El Niño (~50%) during the late summer through fall 2017.

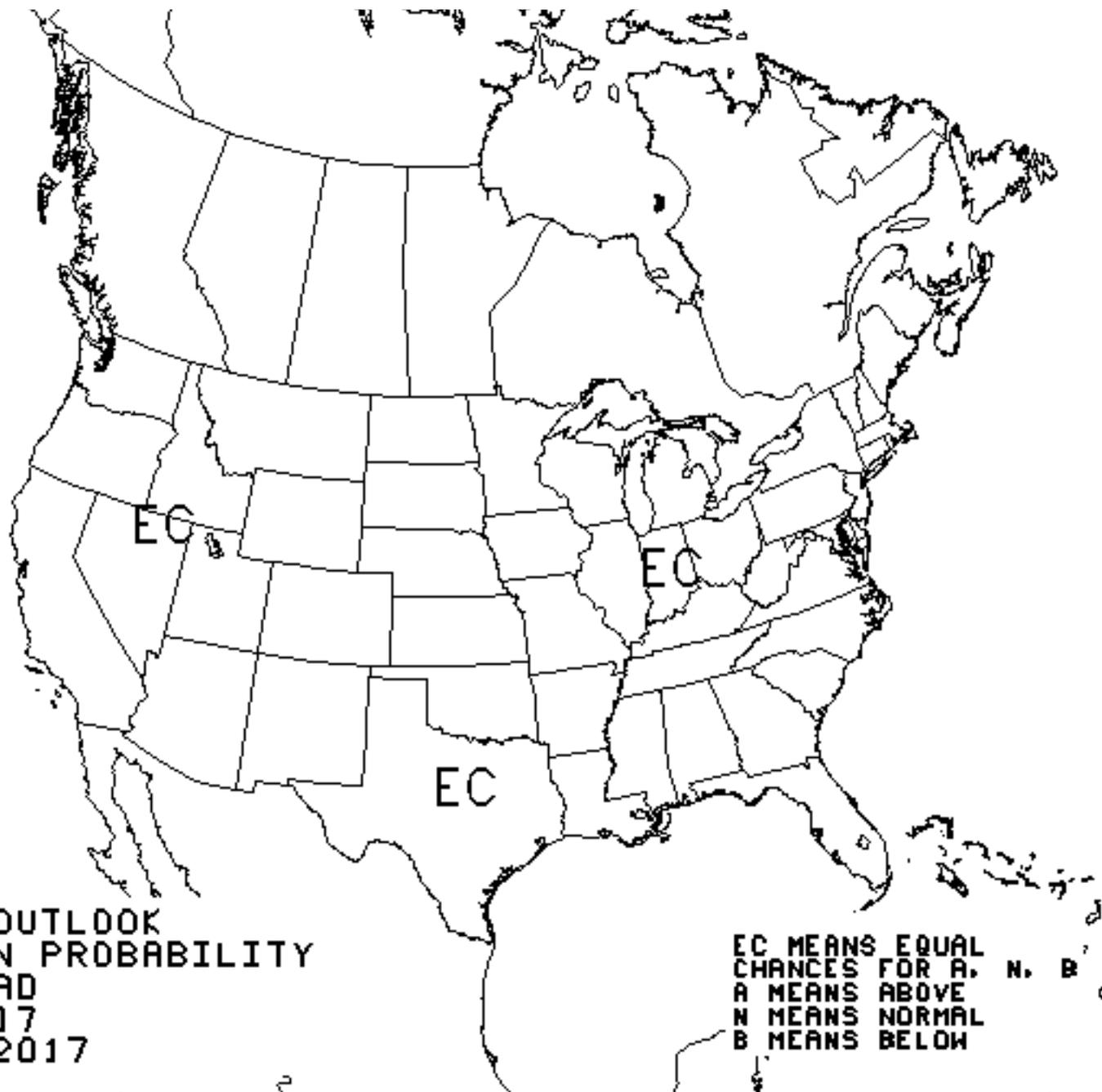




THREE-MONTH OUTLOOK
 TEMPERATURE PROBABILITY
 8.5 MONTH LEAD
 VALID DJF 2017
 MADE 16 MAR 2017

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





THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
8.5 MONTH LEAD
VALID DJF 2017
MADE 16 MAR 2017

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

