

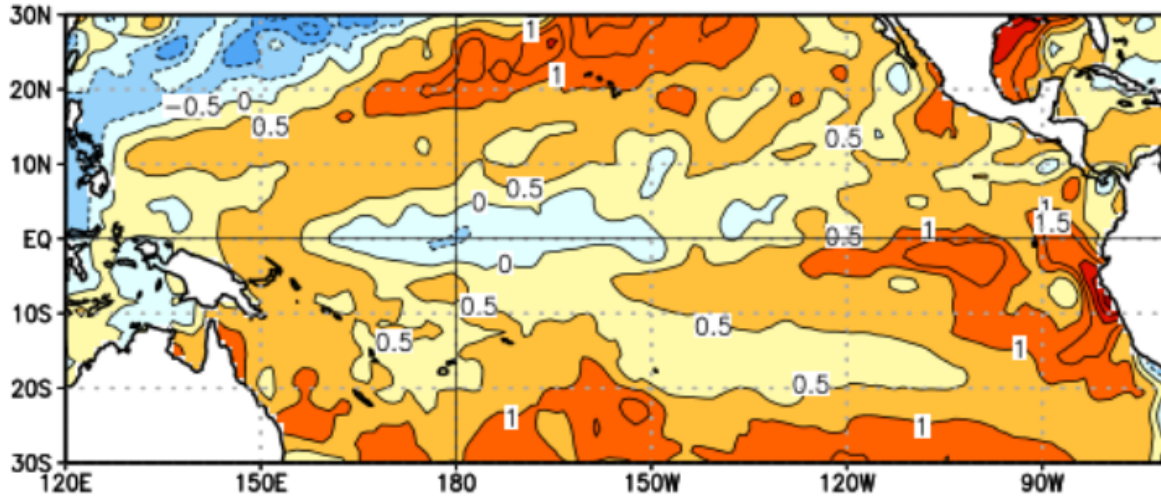


SUMMER 2017 ENSO & CLIMATE OUTLOOK

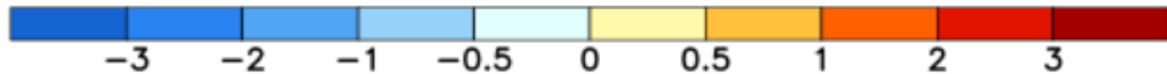
Pacific Northwest Drought Early Warning System

CURRENT ENSO CONDITIONS

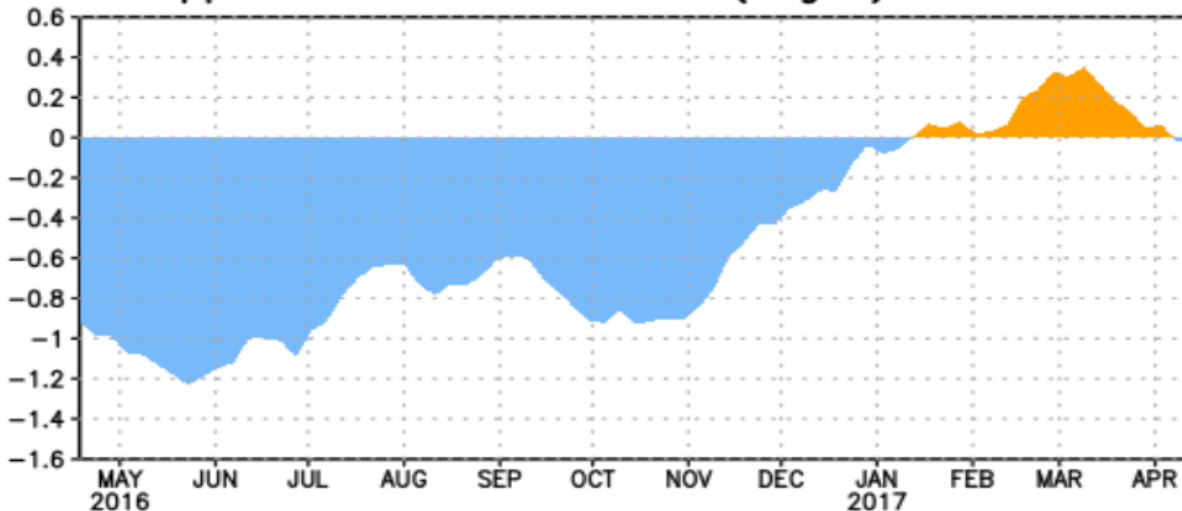
Average SST Anomalies
19 MAR 2017 – 15 APR 2017



Above average SST are present in the eastern equatorial Pacific. Cooler than average SST are present near the dateline.



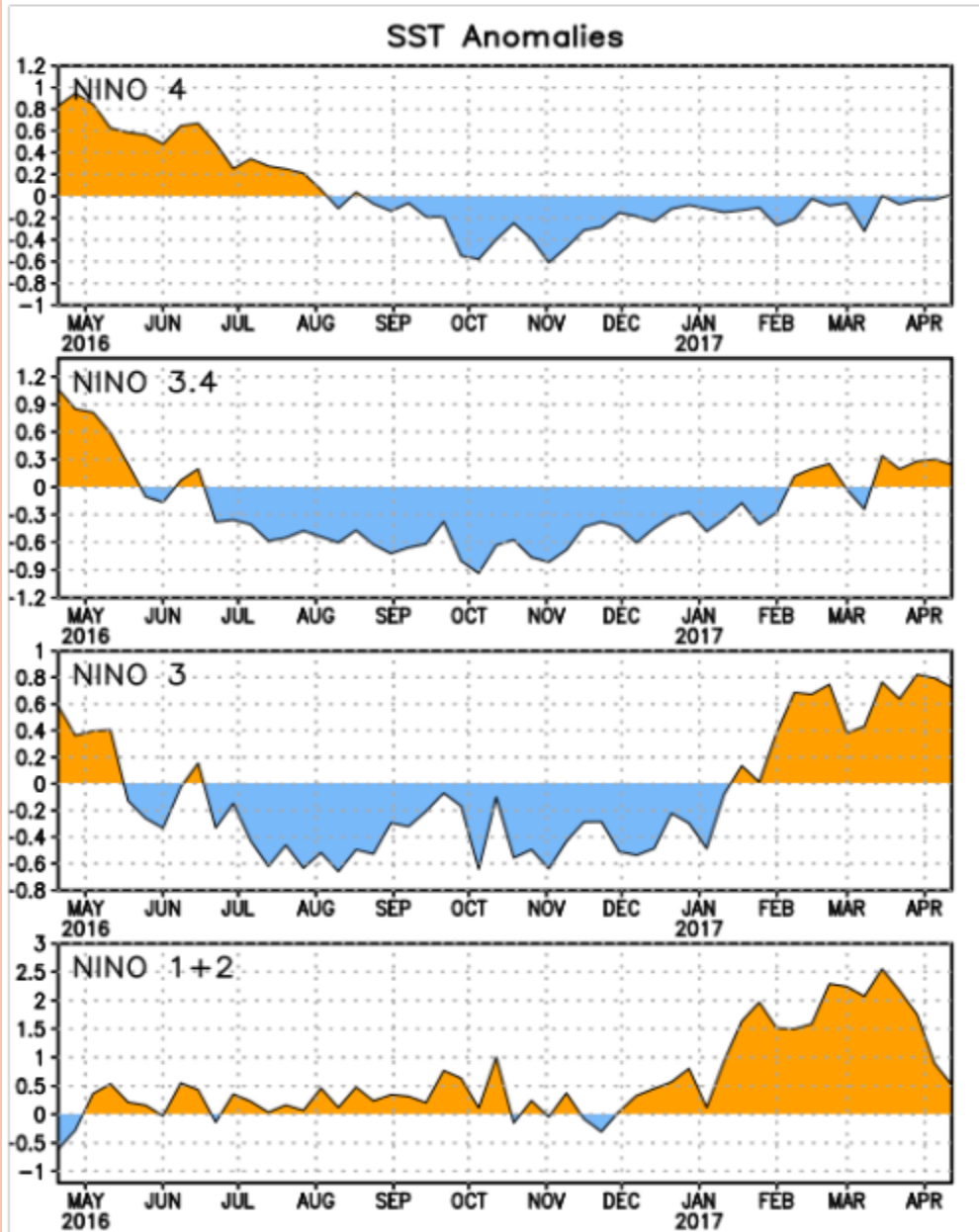
EQ. Upper-Ocean Heat Anoms. (deg C) for 180–100W



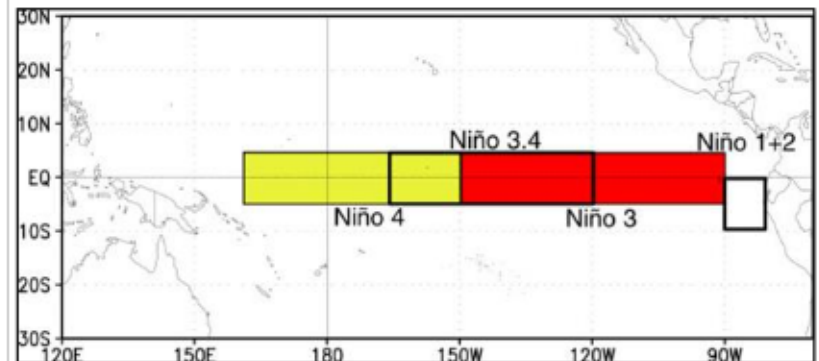
Upper ocean heat content is neutral at this time.



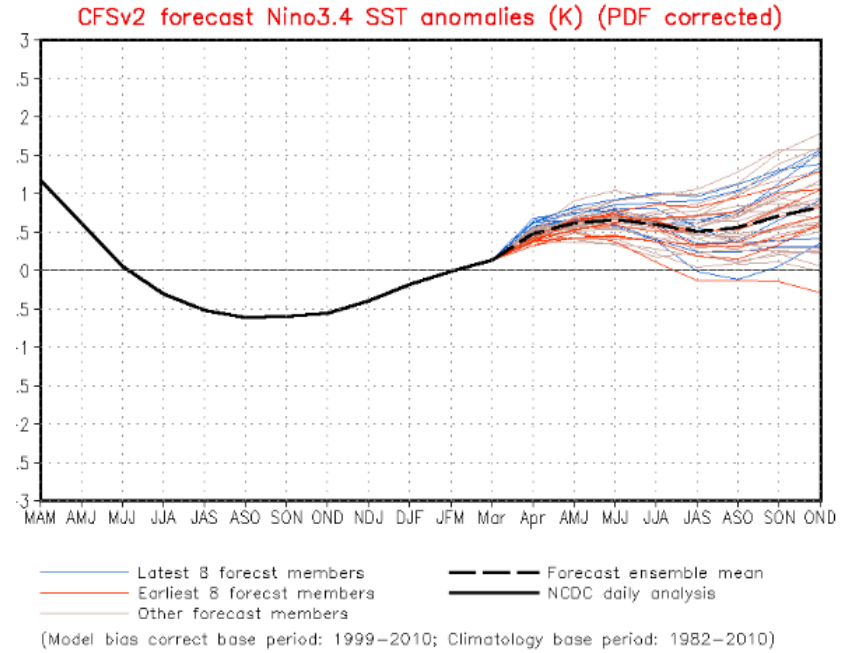
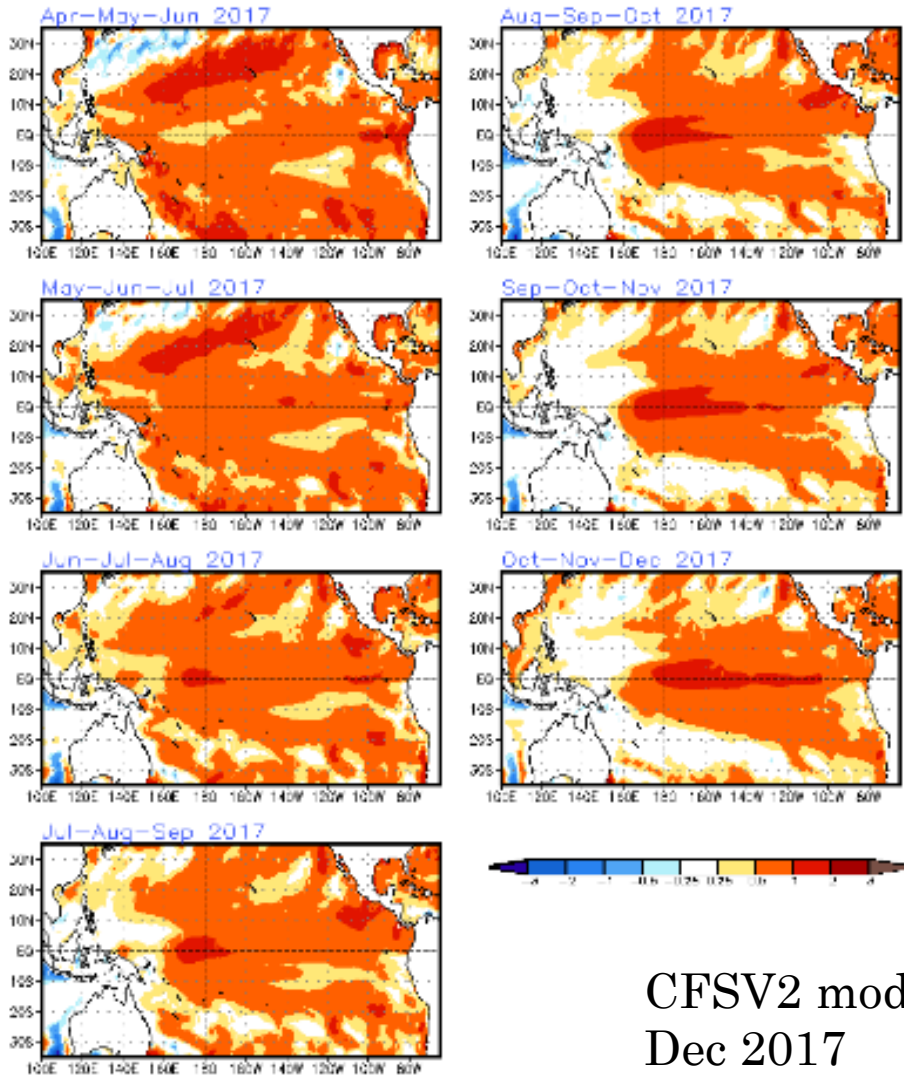
CURRENT ENSO CONDITIONS



- ❖ SST positive anomalies are greatest in the far eastern Pacific, in Niño regions 1,2 & 3
- ❖ SST anomalies are negative in Niño region 4



FORECAST ENSO CONDITIONS

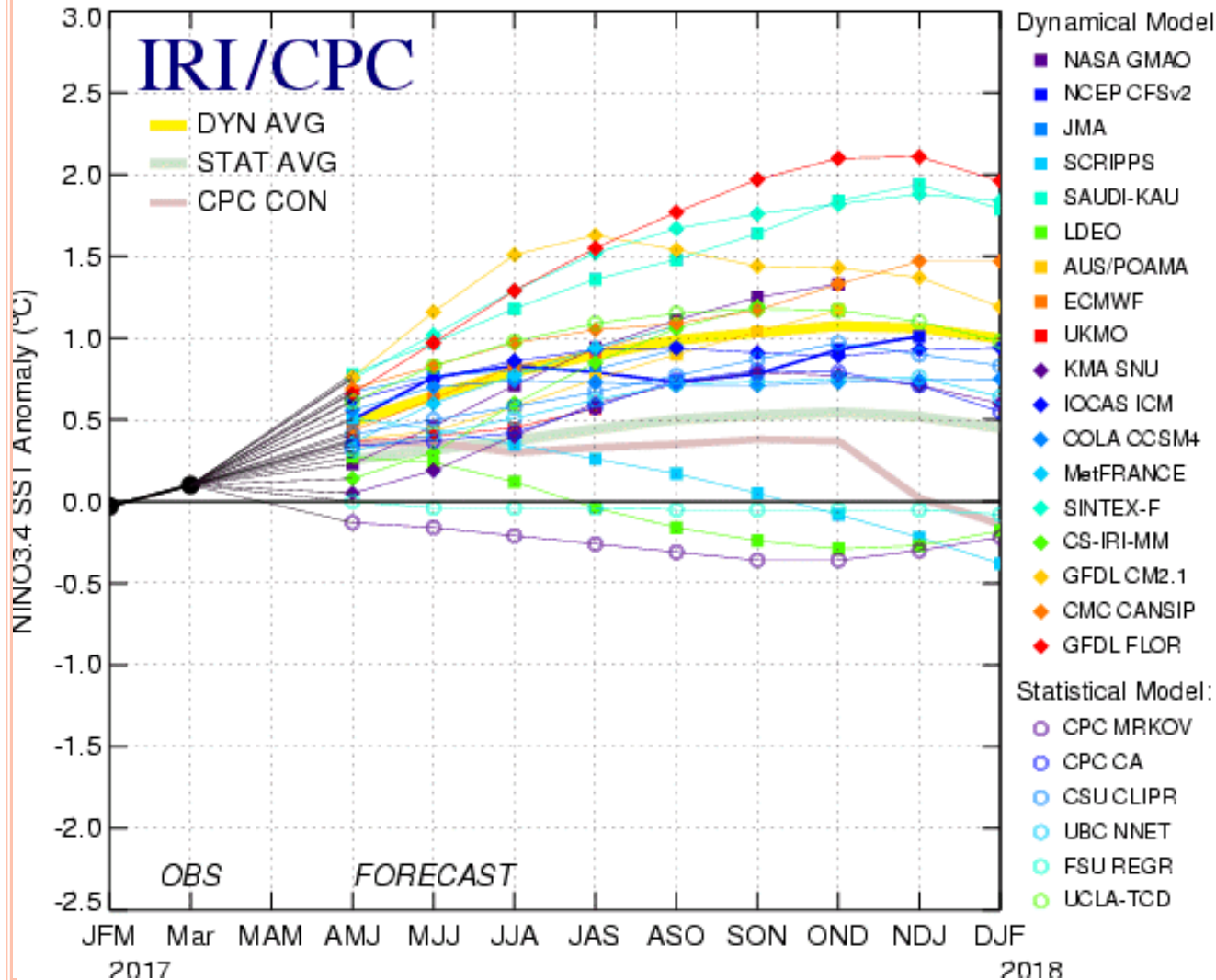


CFSV2 model SST forecast through Dec 2017



FORECAST ENSO CONDITIONS

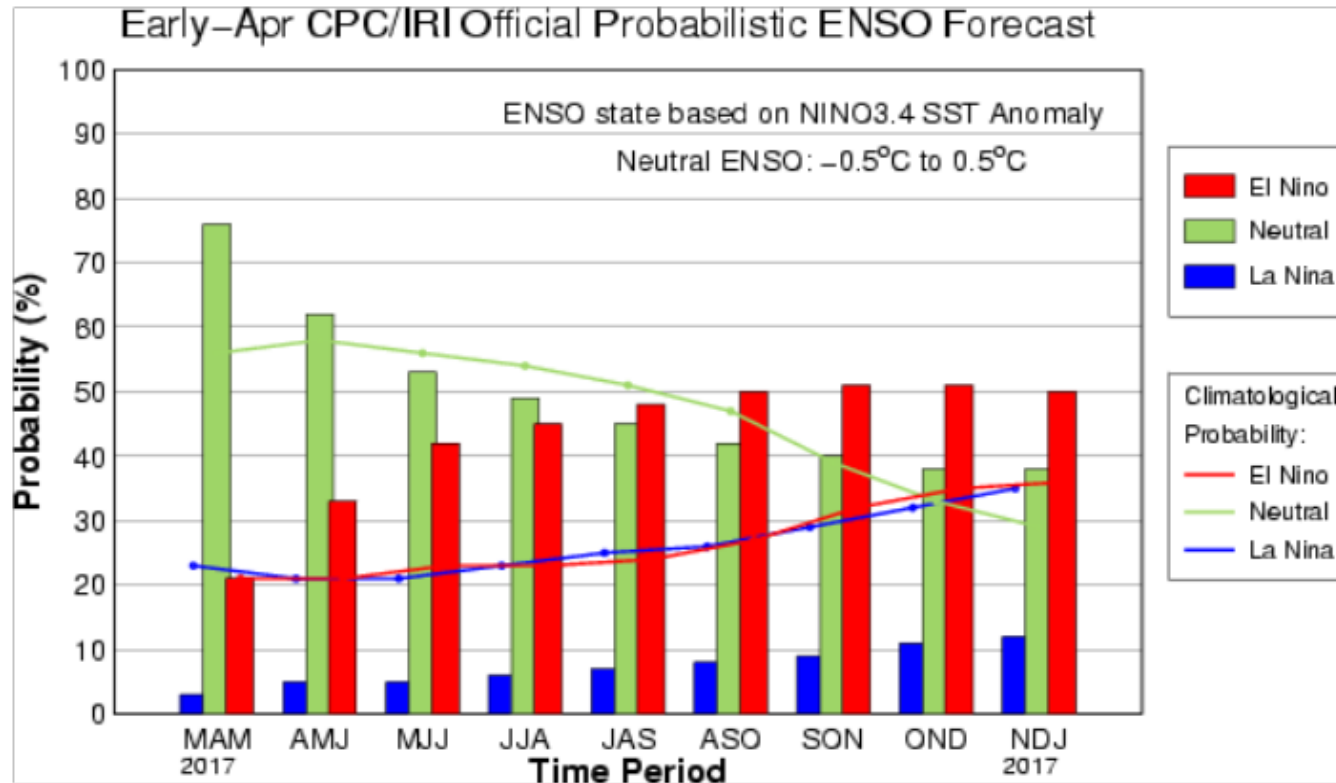
Mid-Apr 2017 Plume of Model ENSO Predictions



The overall prediction of El Nino development continues. However, a few models show reticence, and the average of the statistical forecasts continues to be substantially lower than that of the dynamical ones.



FORECAST ENSO CONDITIONS



ENSO Alert System Status: Not Active

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.

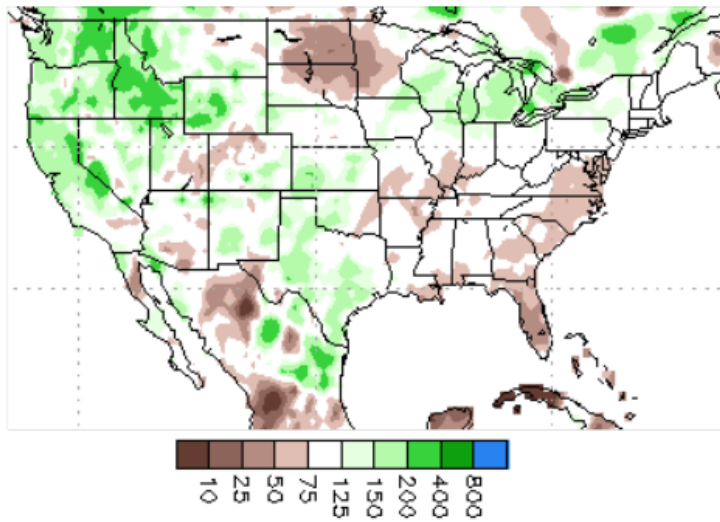
ENSO-neutral conditions are favored to continue through at least the Northern Hemisphere spring 2017, with increasing chances for El Niño development by late summer and fall.*



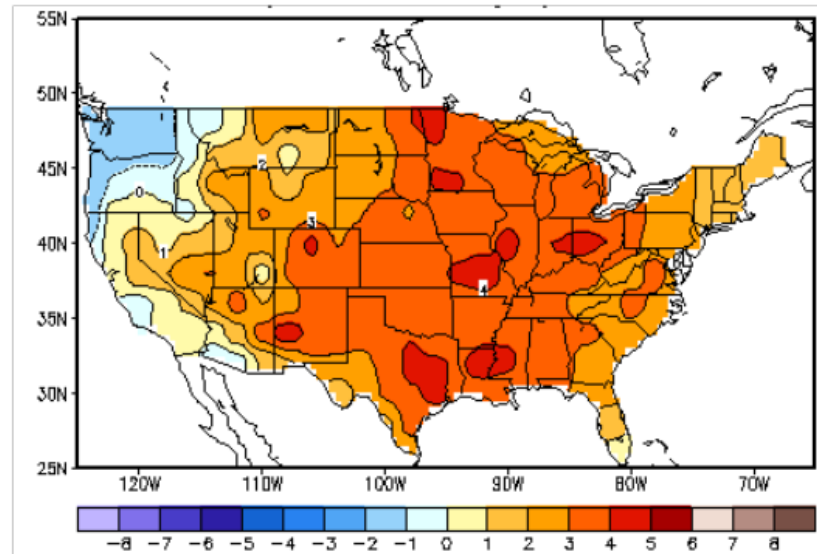
LAST THREE MONTHS

End Date: 15 April 2017

Percent of Average Precipitation

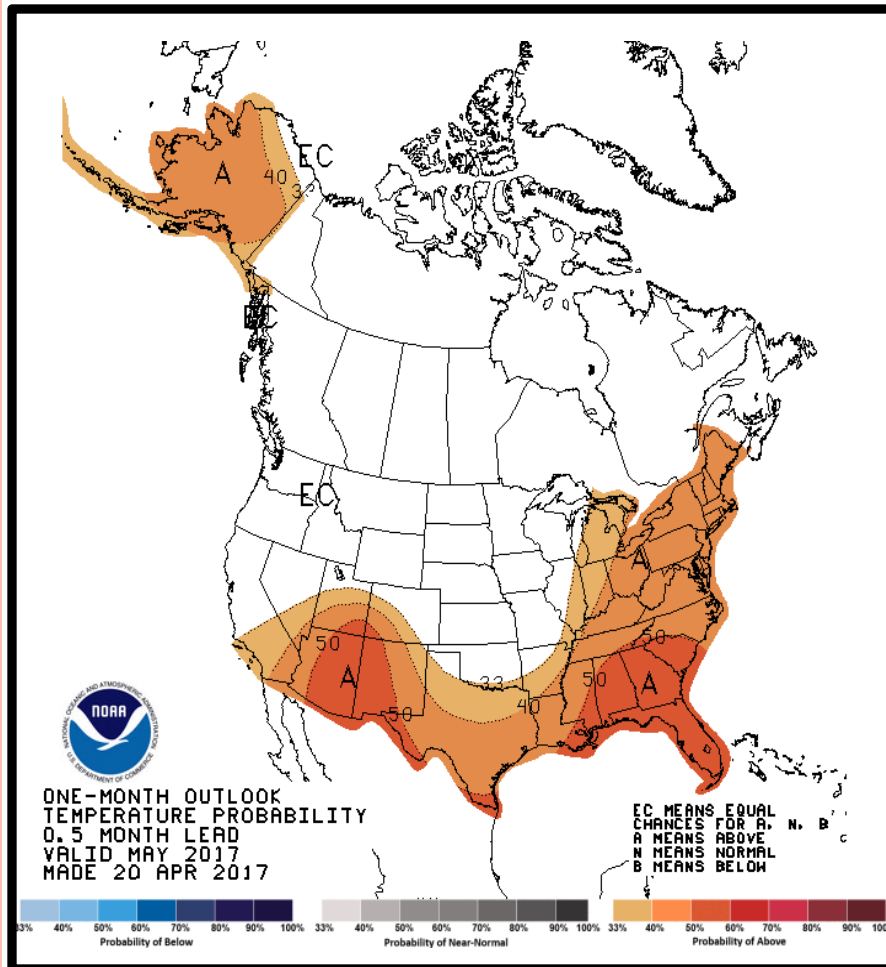


Temperature Departures (degree C)



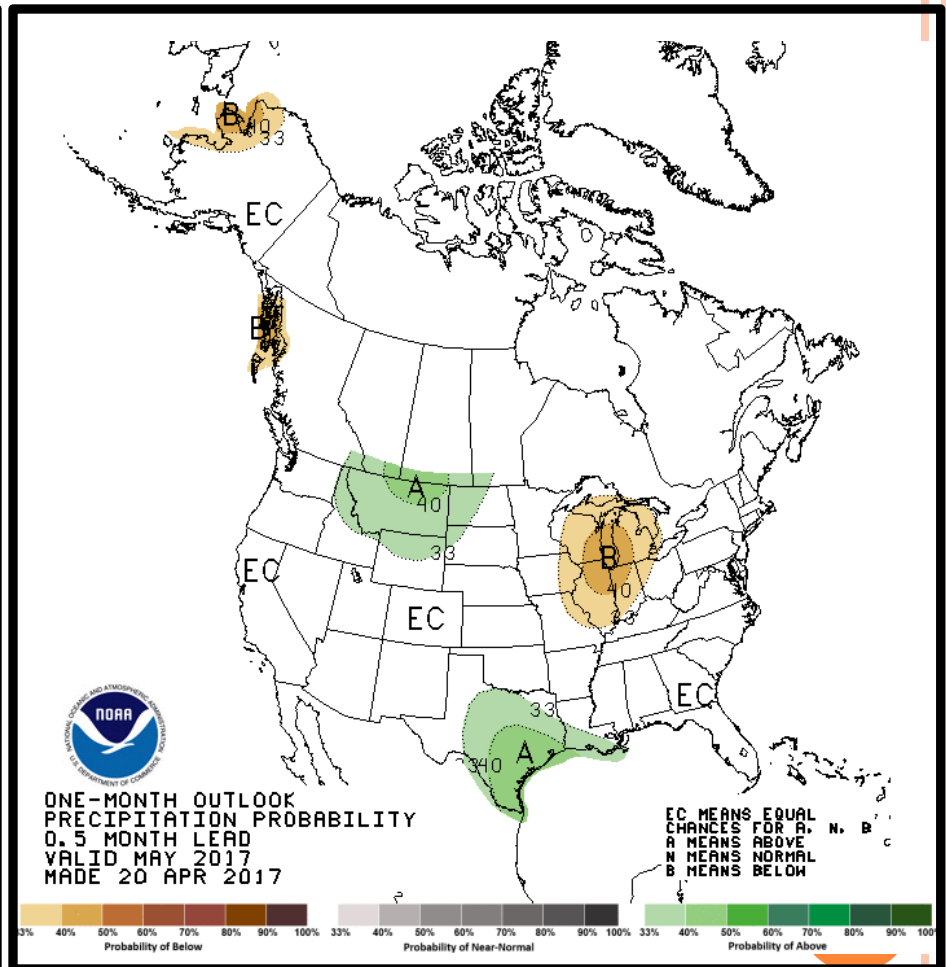
CLIMATE OUTLOOK: MAY

Temperature



Equal Chances for above, below
or near normal temperatures

Precipitation

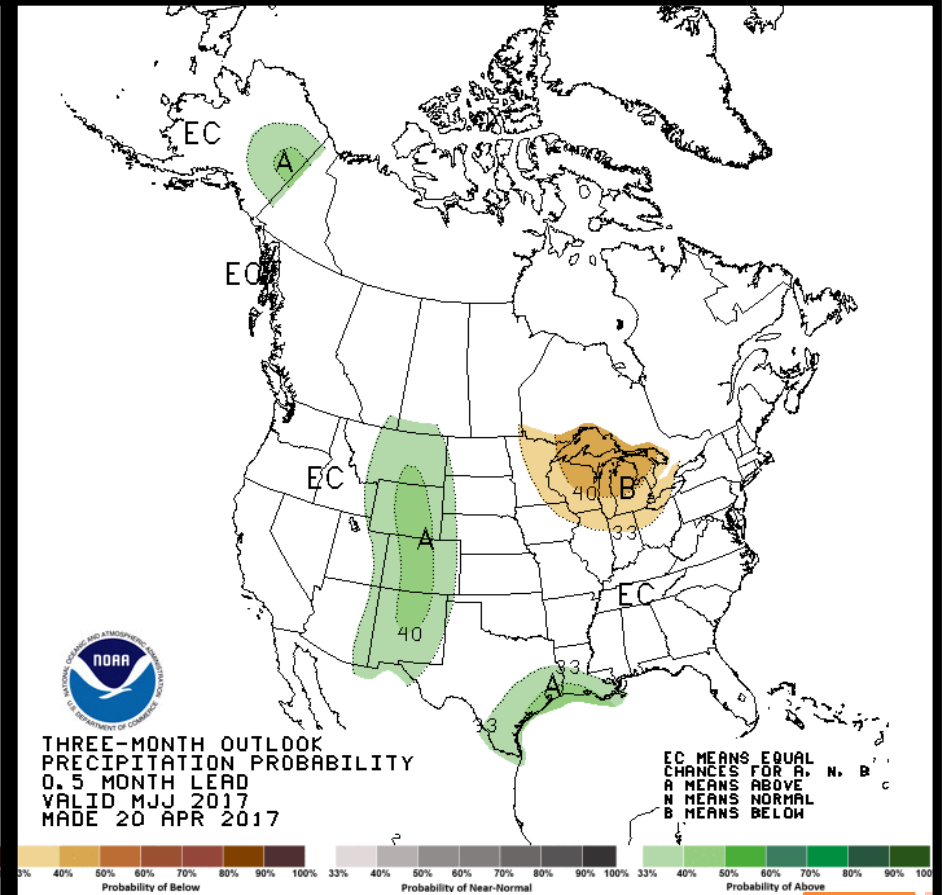
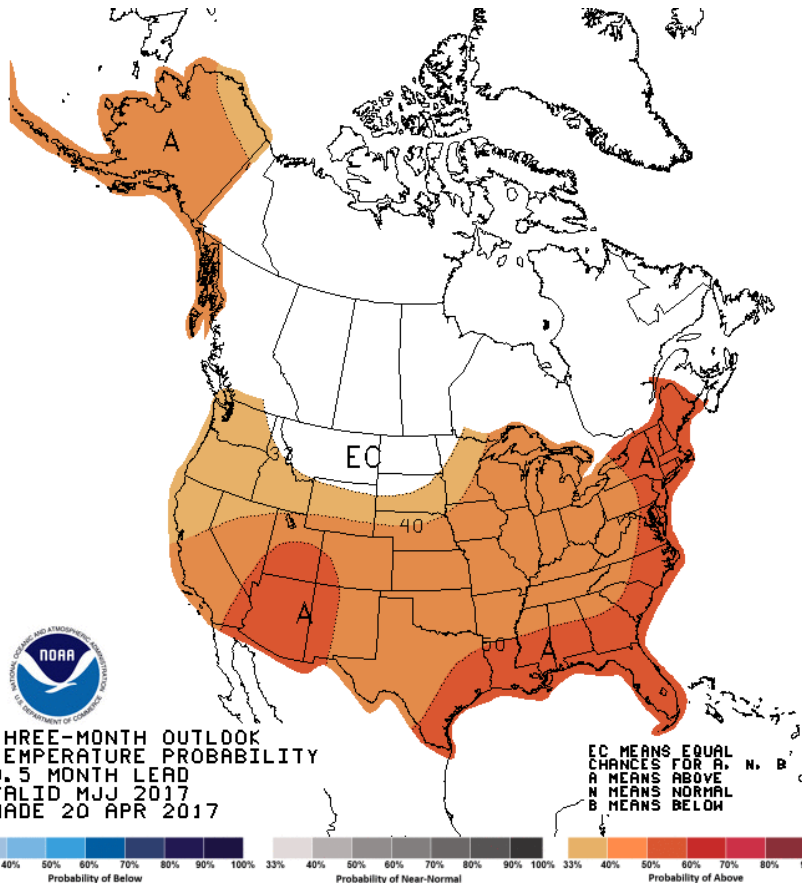


Equal Chances for above, below
or near normal precipitation

CLIMATE OUTLOOK: MAY – JULY

Temperature

Precipitation



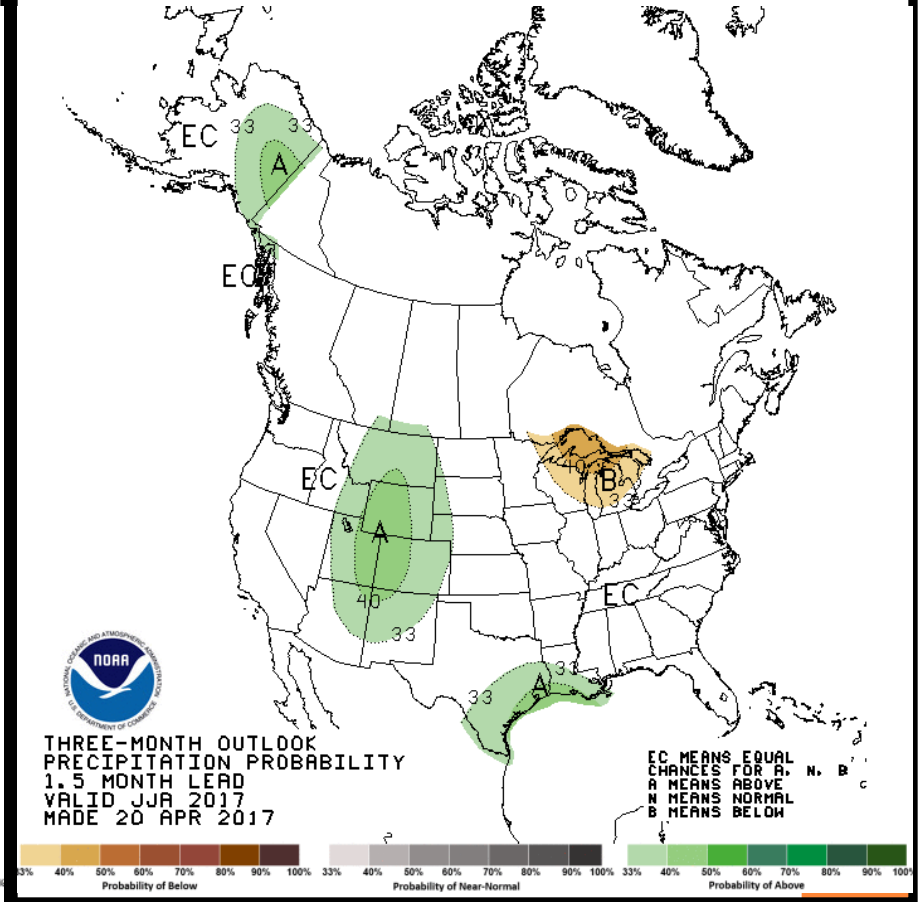
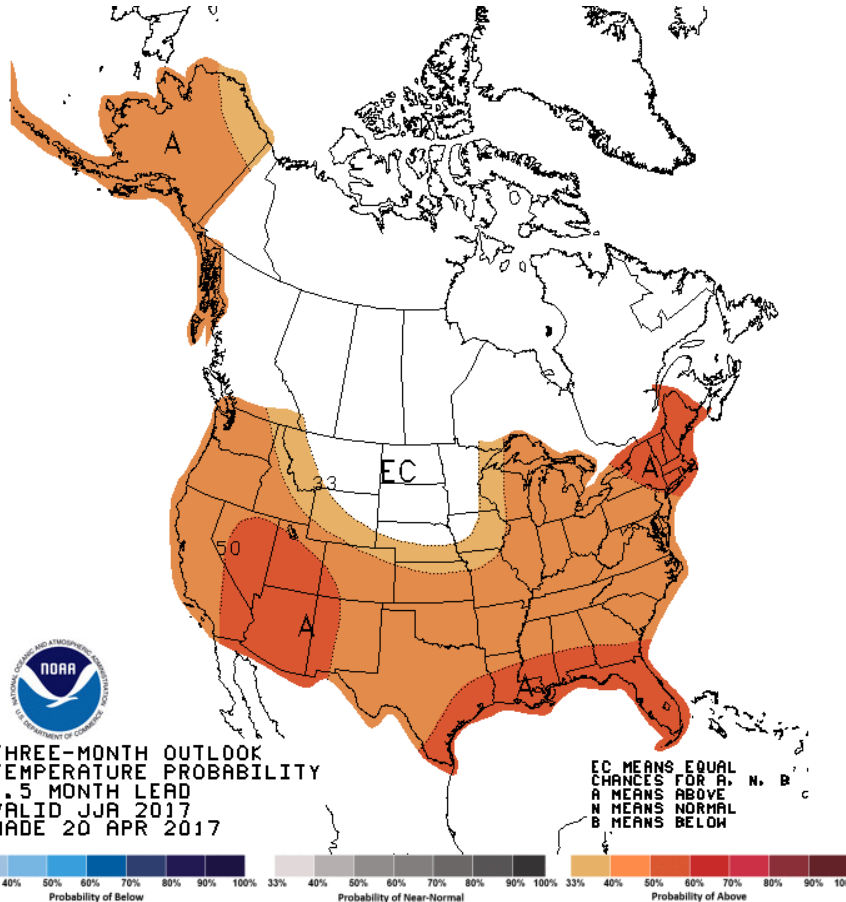
Odds tilted toward above average temperatures

Equal Chances for above, below or near normal precipitation amounts

CLIMATE OUTLOOK: JUNE – AUGUST

Temperature

Precipitation



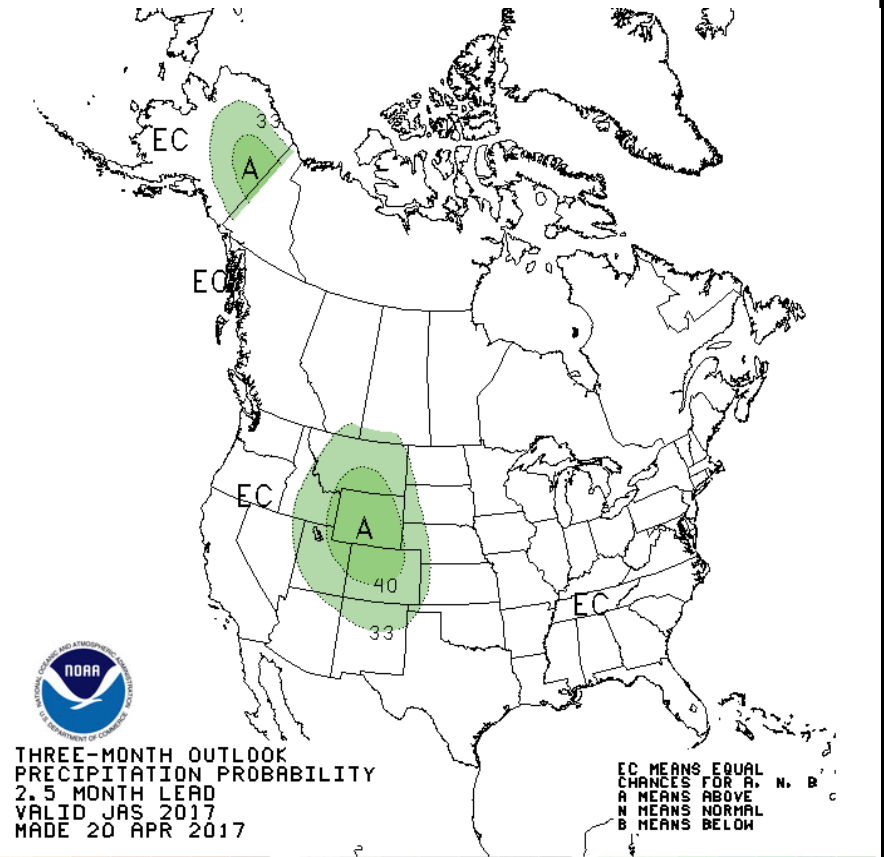
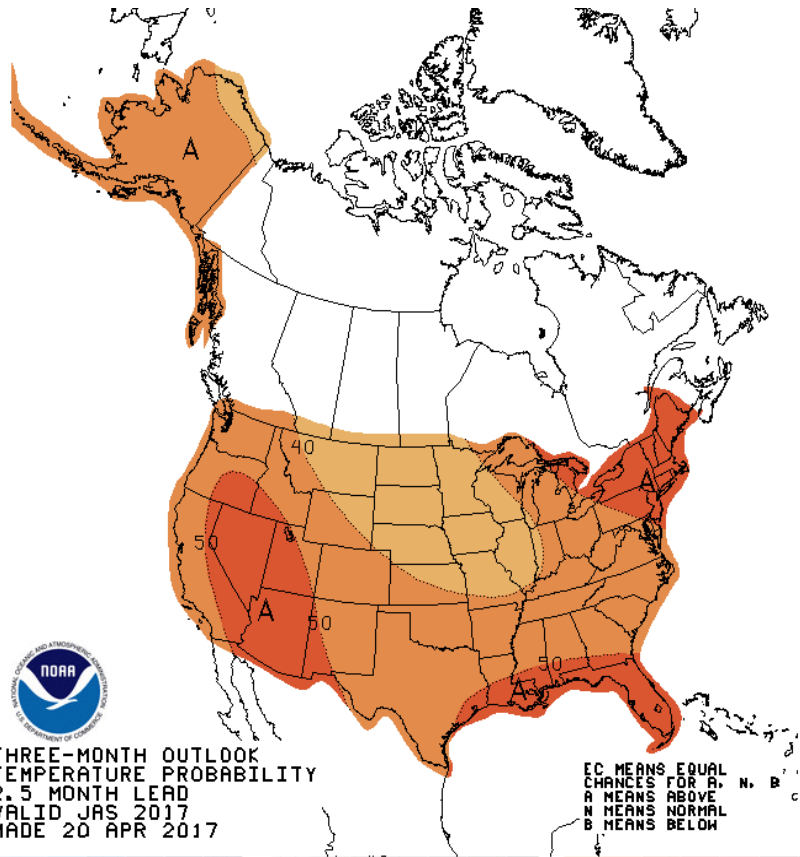
Odds tilted more toward above average temperatures

Equal chances for above, below or near normal precipitation amounts

CLIMATE OUTLOOK: JULY – SEPTEMBER

Temperature

Precipitation



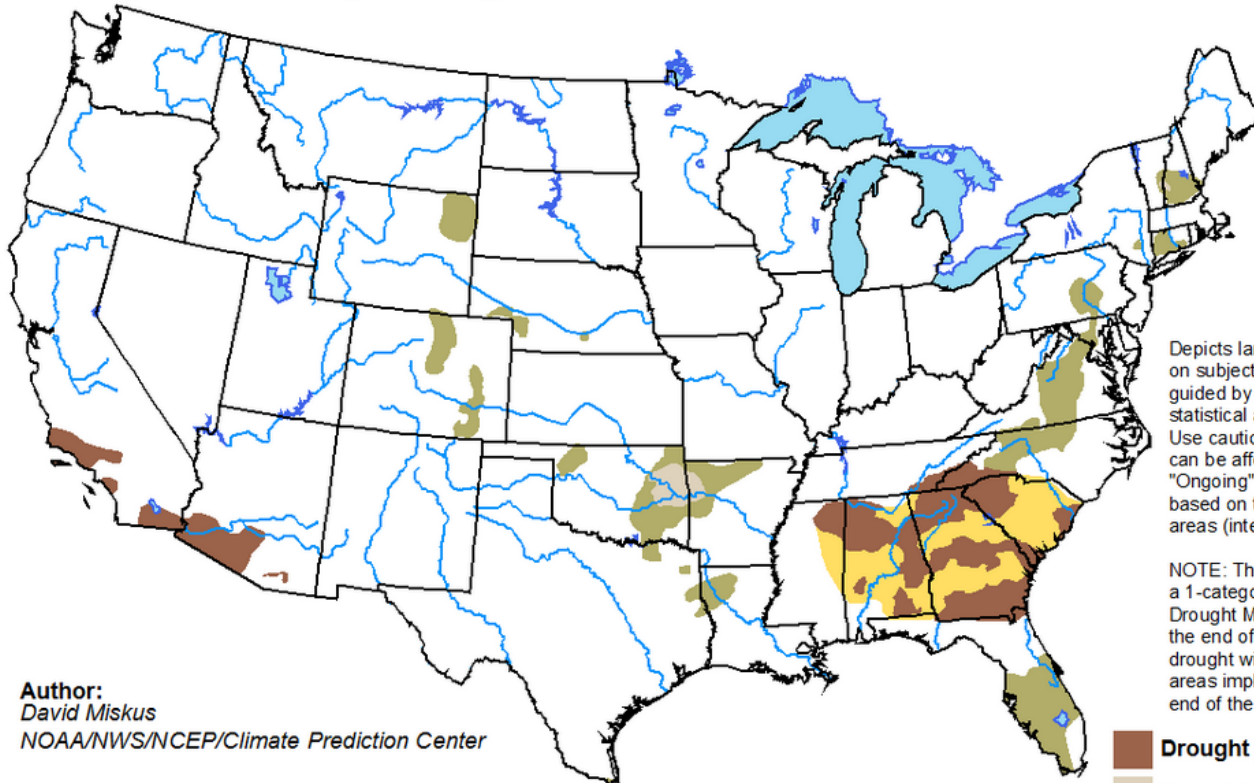
Odds tilted more toward above average temperatures

Equal chances for above, below or near normal precipitation amounts

SEASONAL DROUGHT OUTLOOK

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period





Valid for April 20 - July 31, 2017
Released April 20, 2017

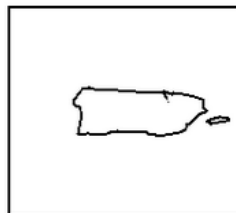


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
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NOAA/NWS/NCEP/Climate Prediction Center

-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZ73>



QUESTIONS OR COMMENTS?

- Data and graphics courtesy of NOAA, Climate Prediction Center (CPC), IRI, and Climate.gov

