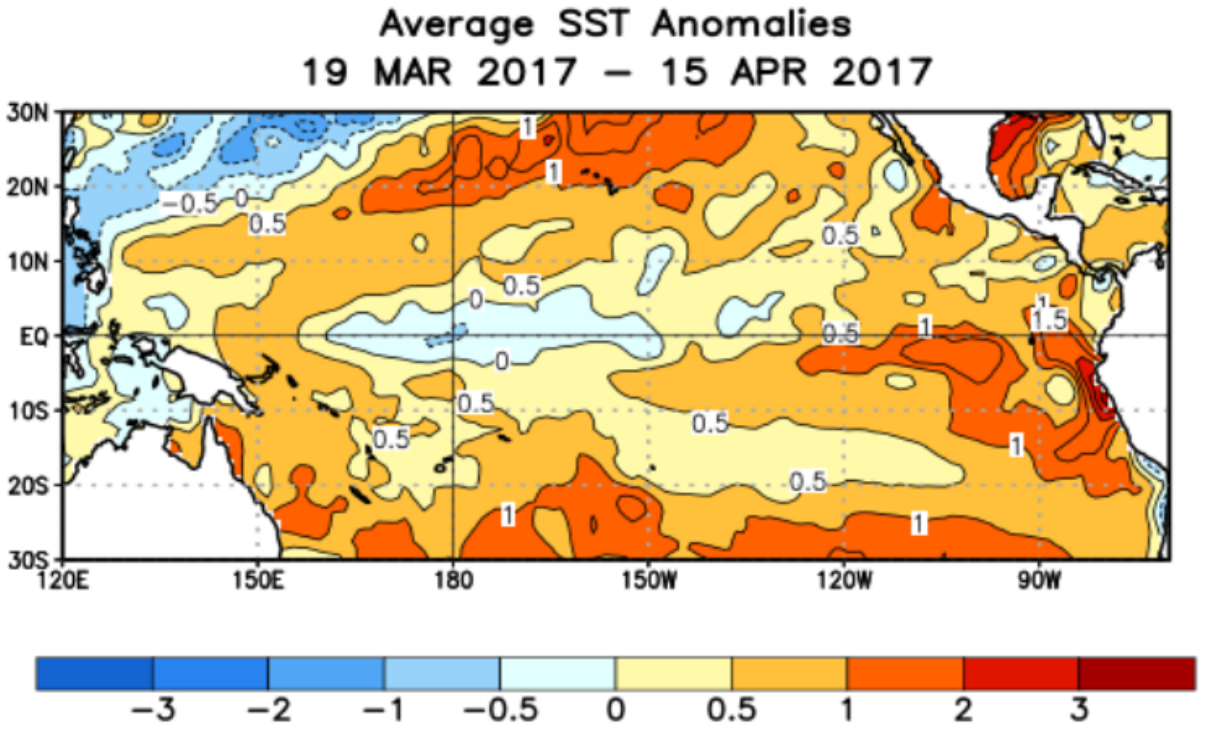
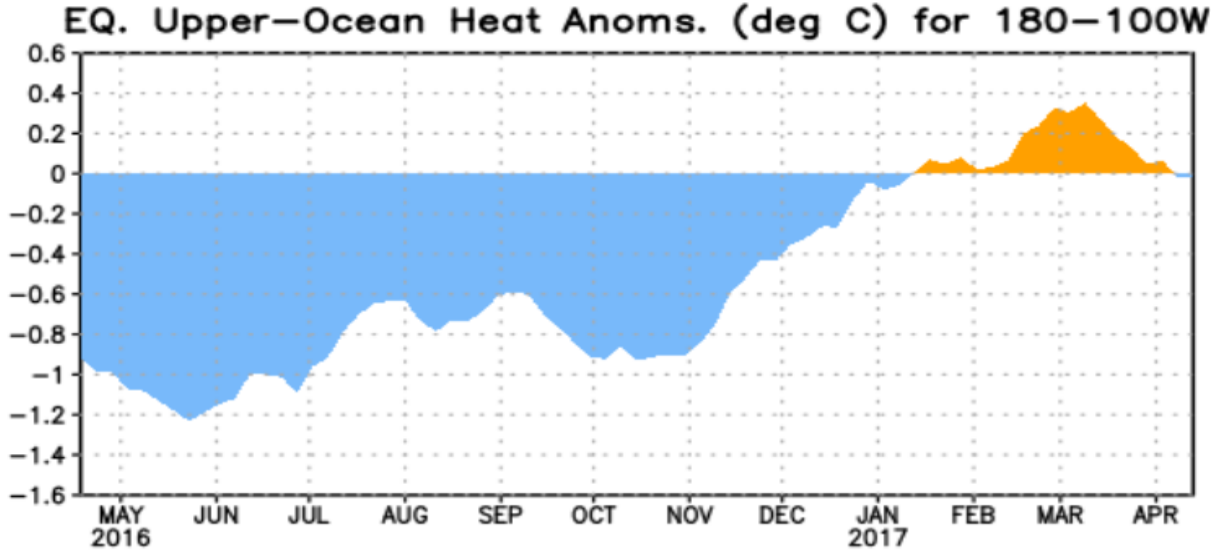
Summer 2017 ENSO & Climate Outlook

Pacific Northwest Drought Early Warning System

Current ENSO Conditions

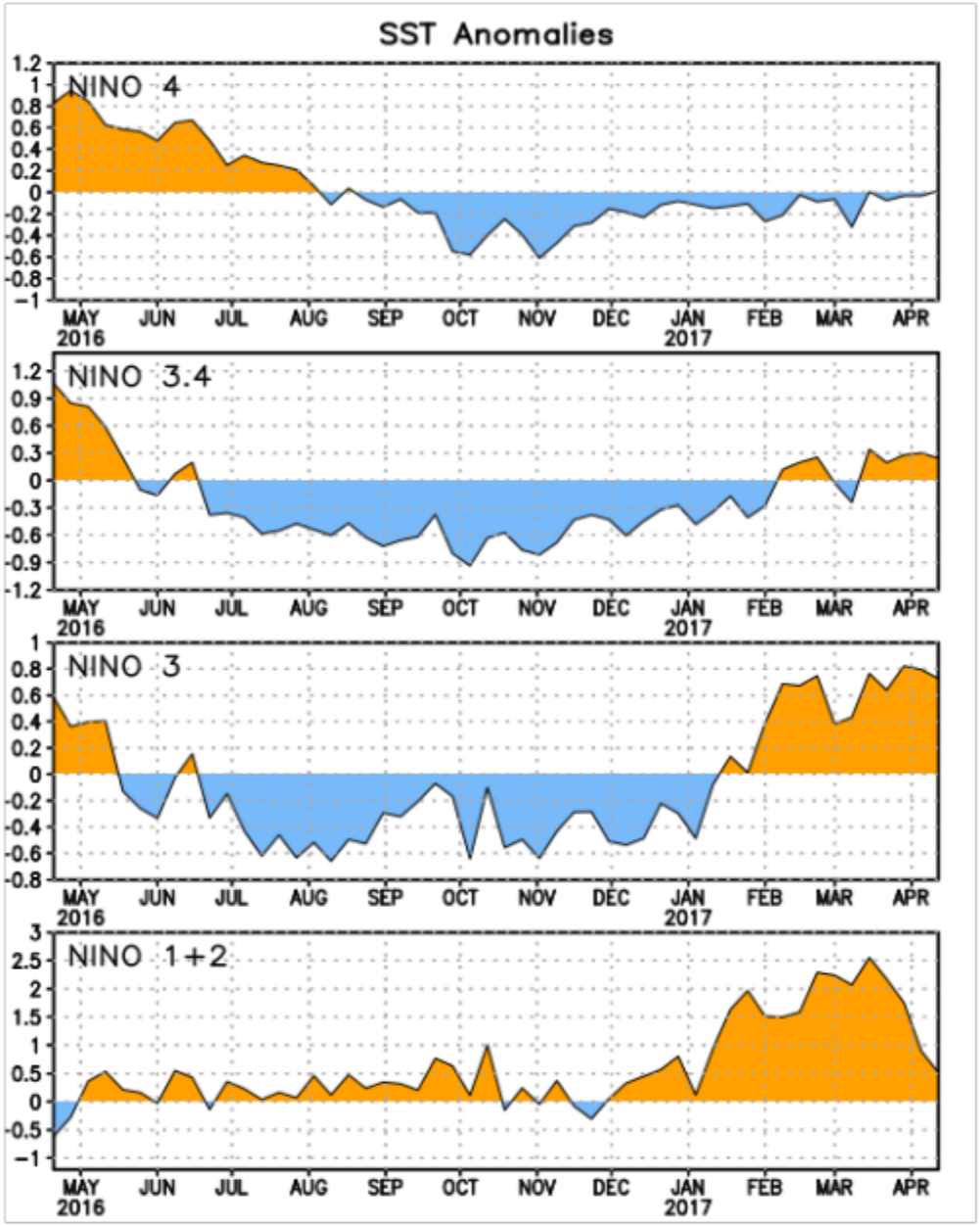


Above average SST are present in the eastern equatorial Pacific. Cooler than average SST are present near the dateline.

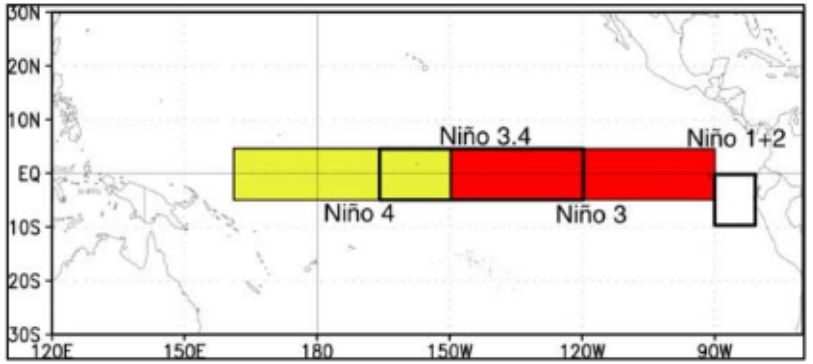


Upper ocean heat content is neutral at this time.

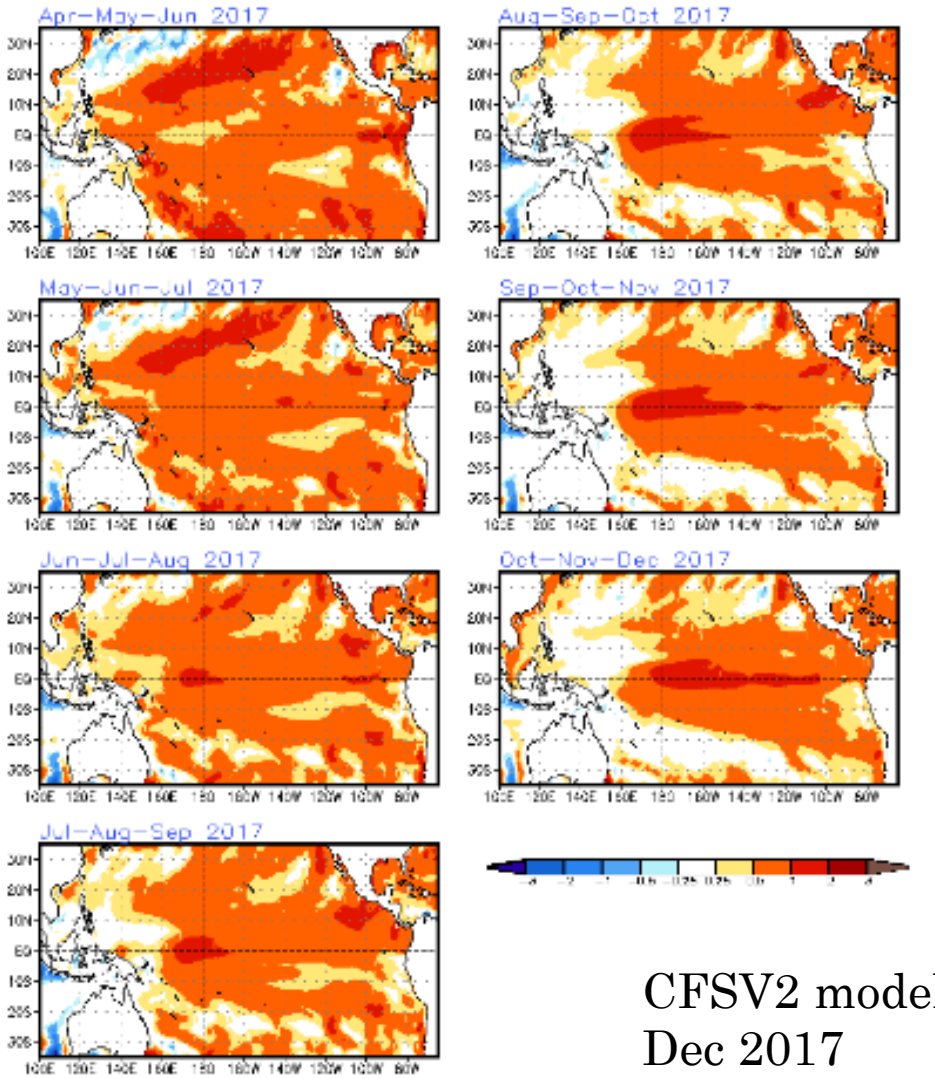
Current ENSO Conditions

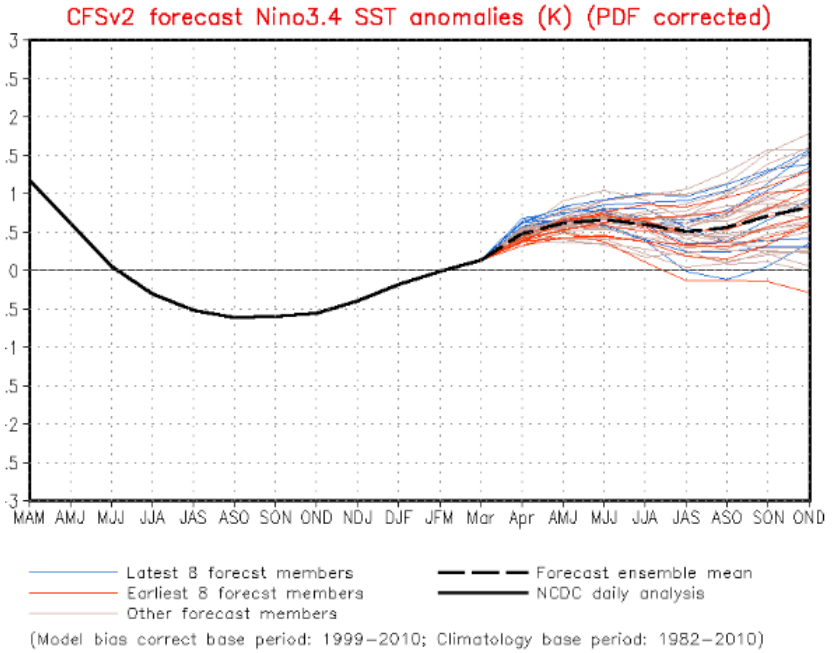


- SST positive anomalies are greatest in the far eastern Pacific, in Niño regions 1,2 & 3
- SST anomalies are negative in Niño region 4



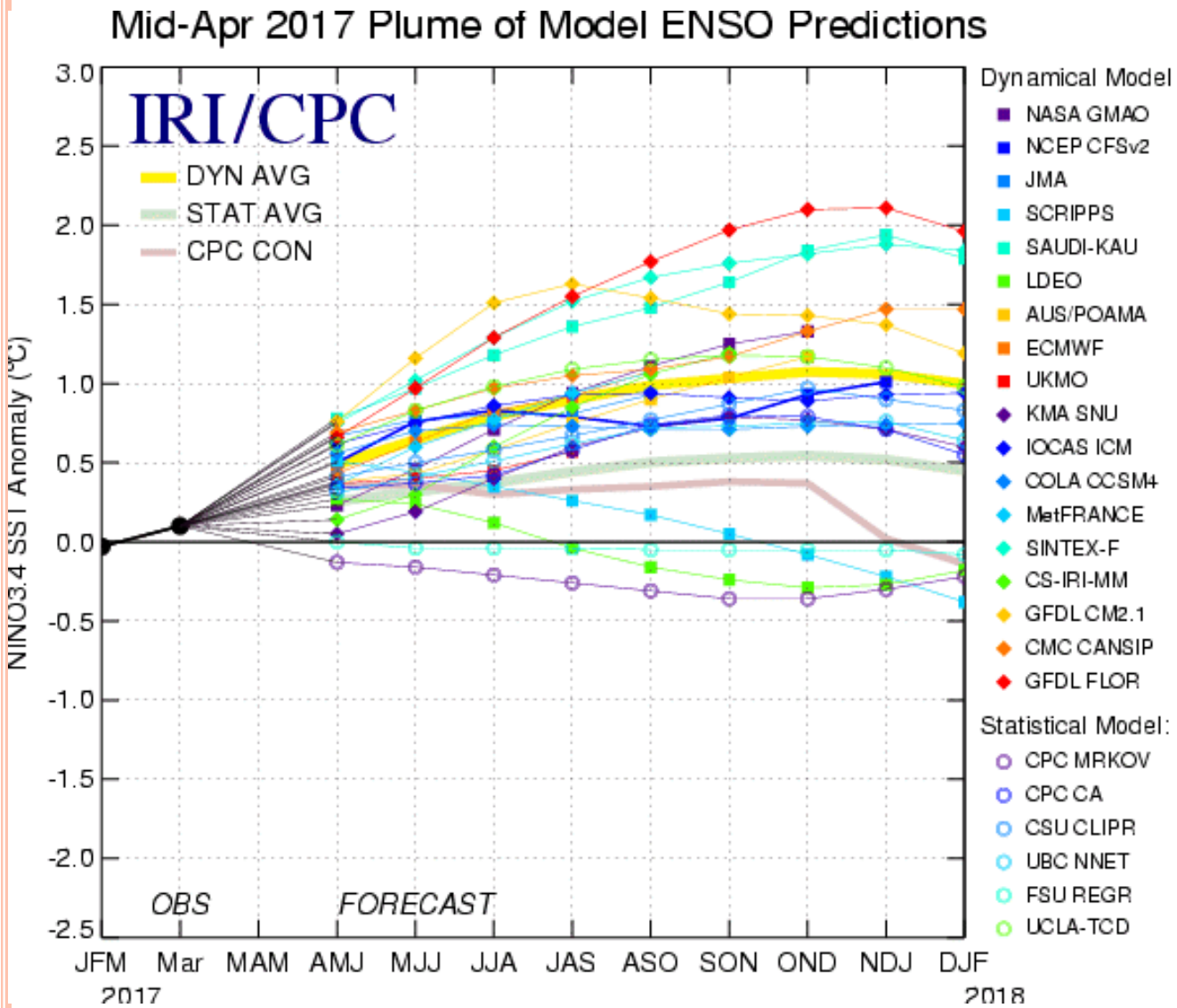
Forecast ENSO Conditions





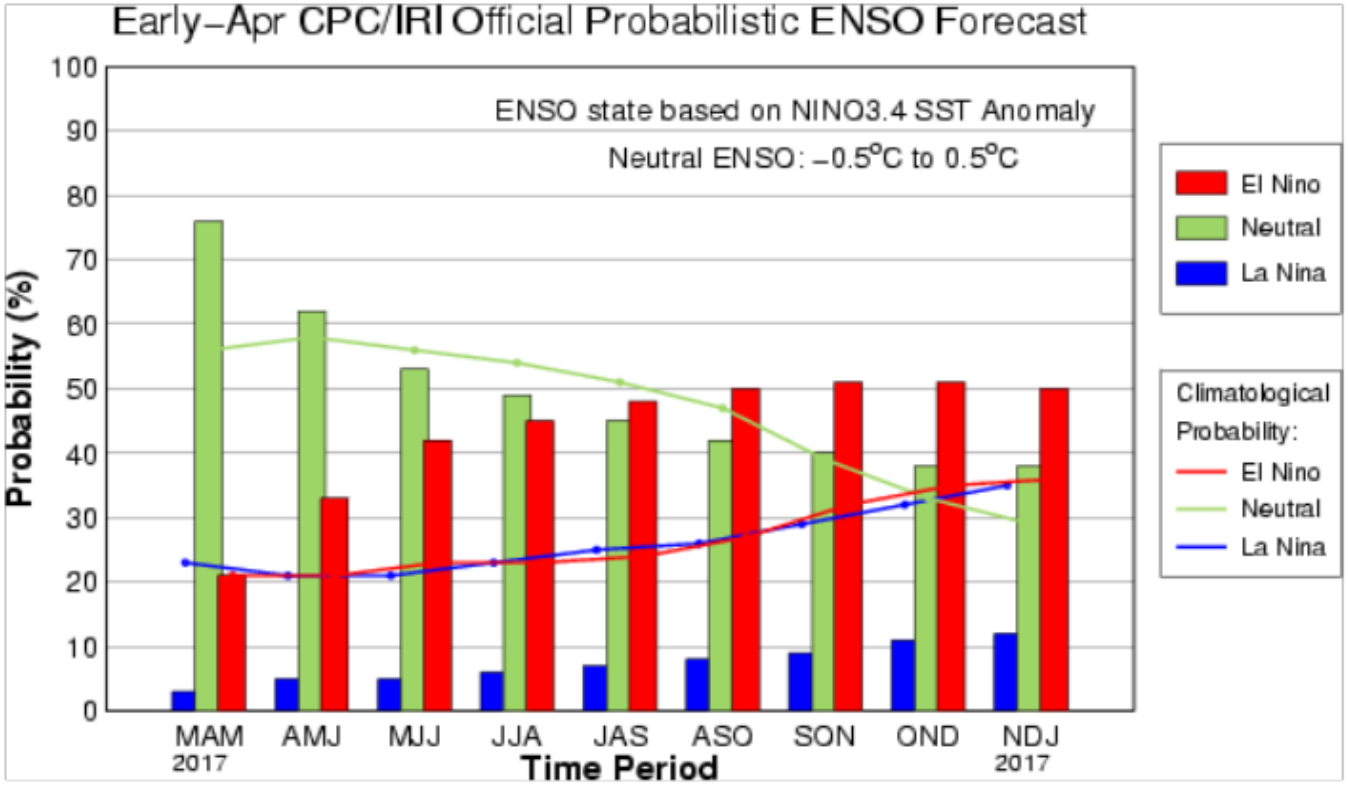
CFSV2 model SST forecast through Dec 2017

Forecast ENSO Conditions



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.*

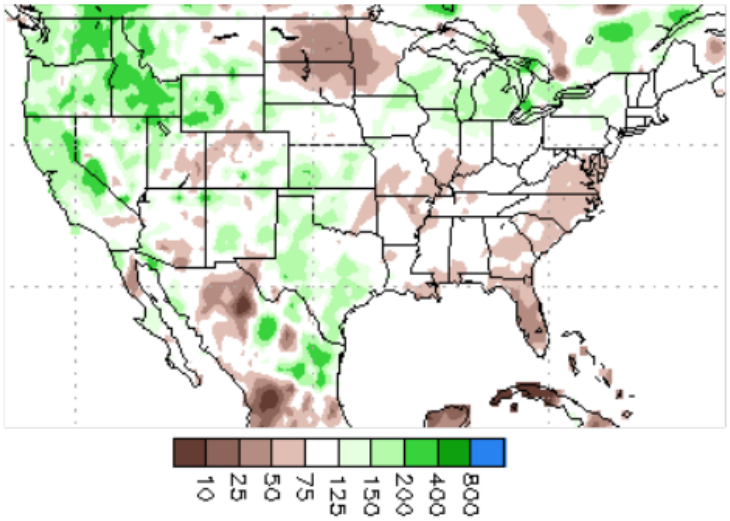
Equatorial sea surface temperatures (SSTs) are near-average across the central and east-central Pacific. They are above-average in the eastern Pacific Ocean.

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.*

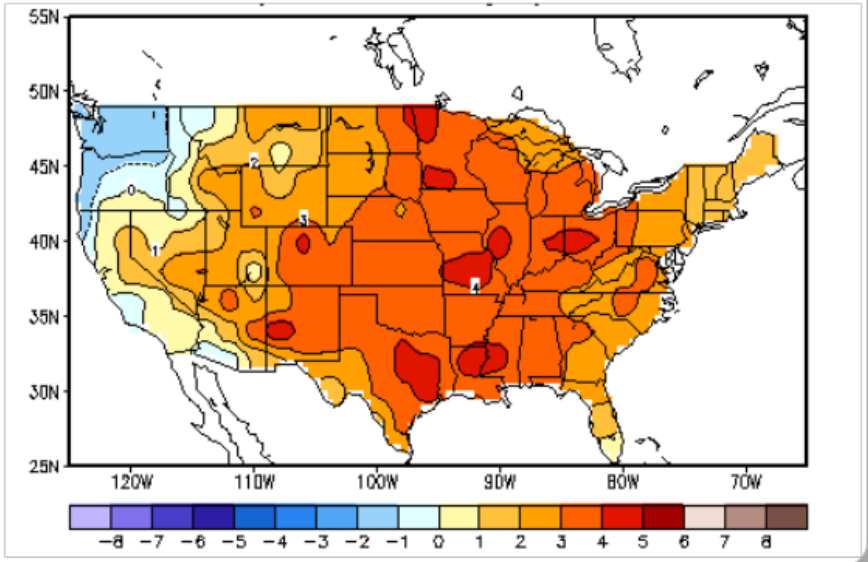
Last three months

End Date: 15 April 2017

Percent of Average Precipitation

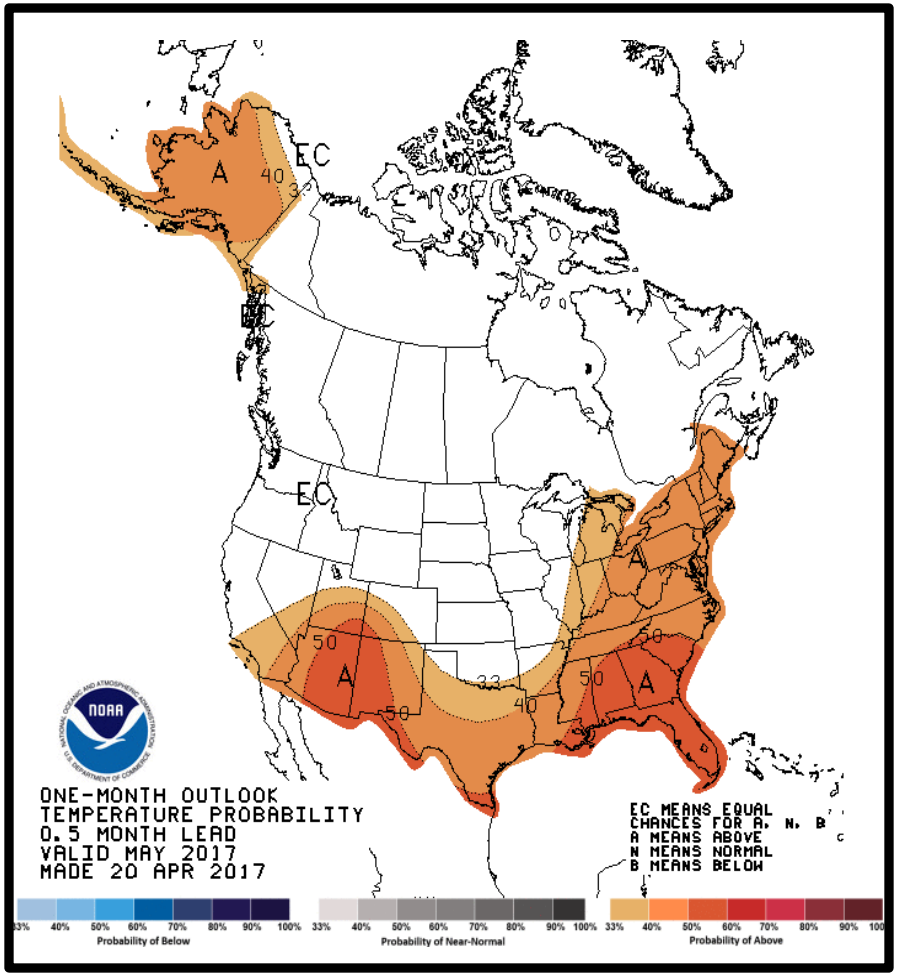


Temperature Departures (degree C)



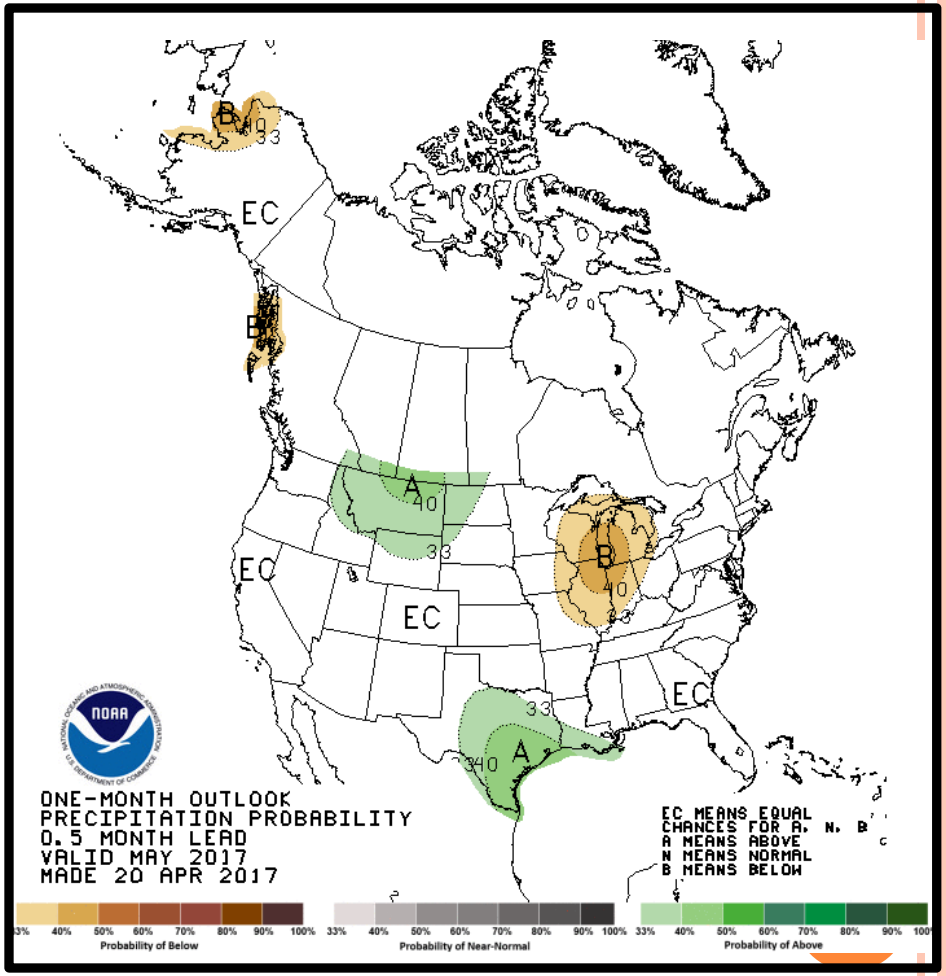
Climate outlook: May

Temperature



Equal Chances for above, below or near normal temperatures

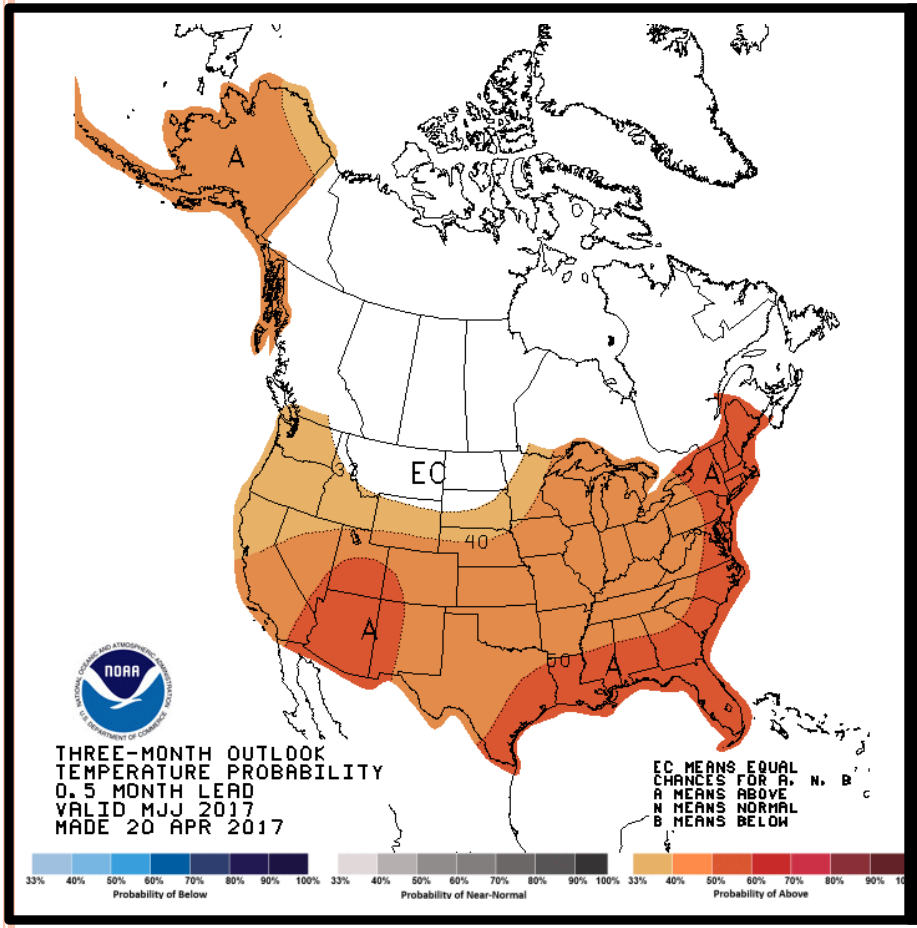
Precipitation



Equal Chances for above, below or near normal precipiation

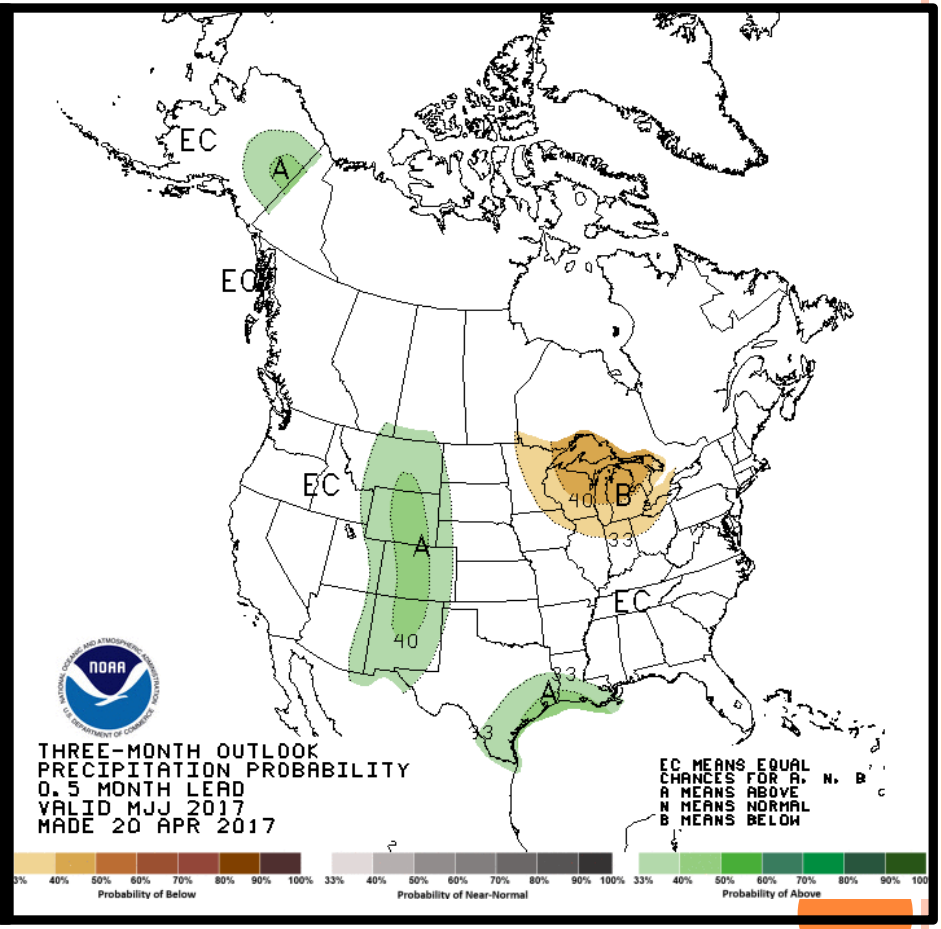
Climate outlook: May – July

Temperature



Odds tilted toward above average temperatures

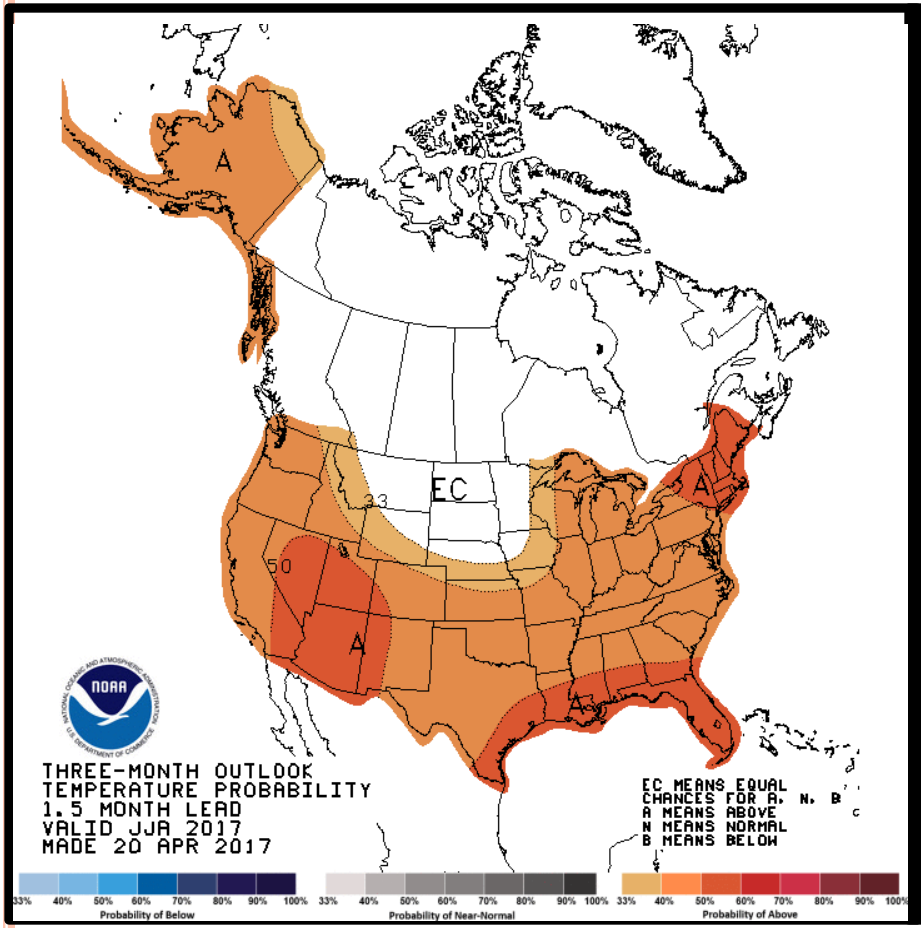
Precipitation



Equal Chances for above, below or near normal precipitation amounts

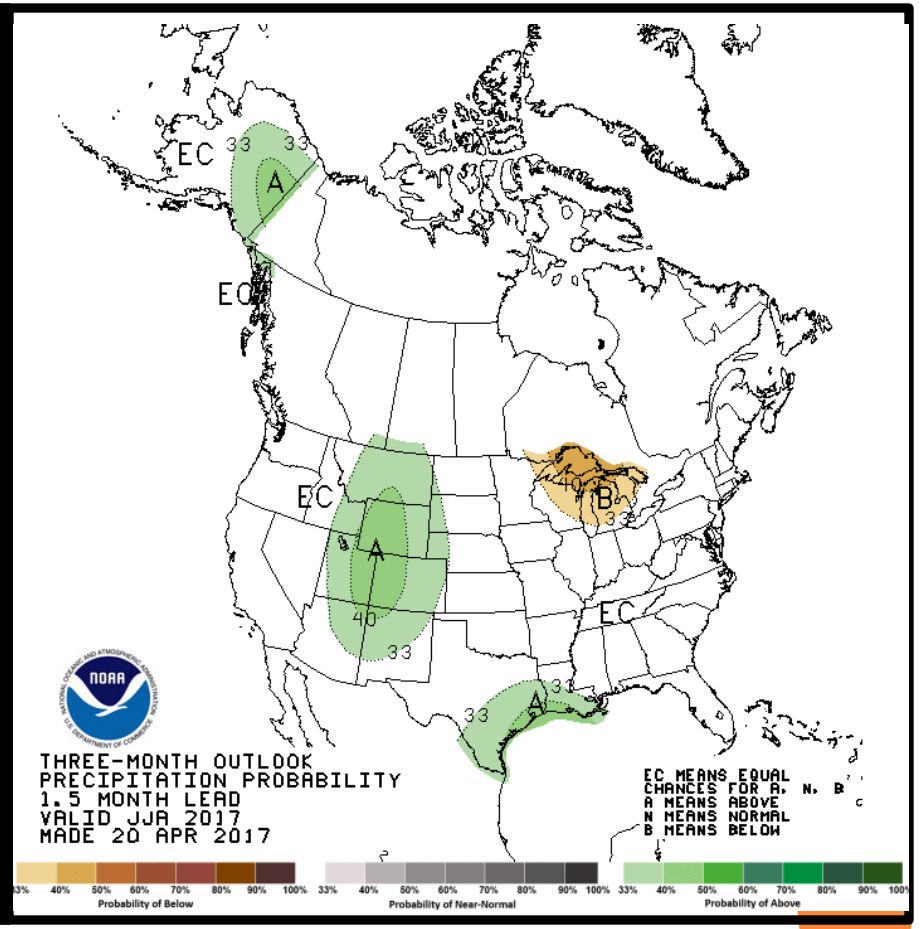
Climate outlook: June – August

Temperature



Odds tilted more toward above average temperatures

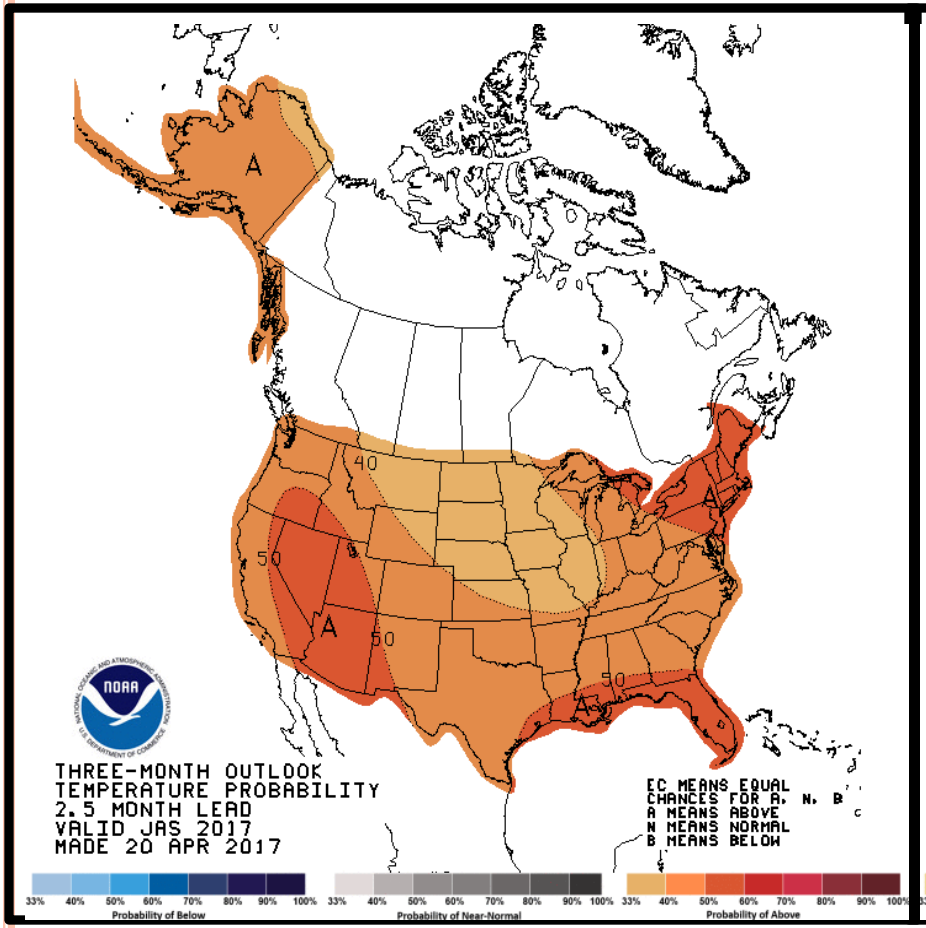
Precipitation



Equal chances for above, below or near normal precipitation amounts

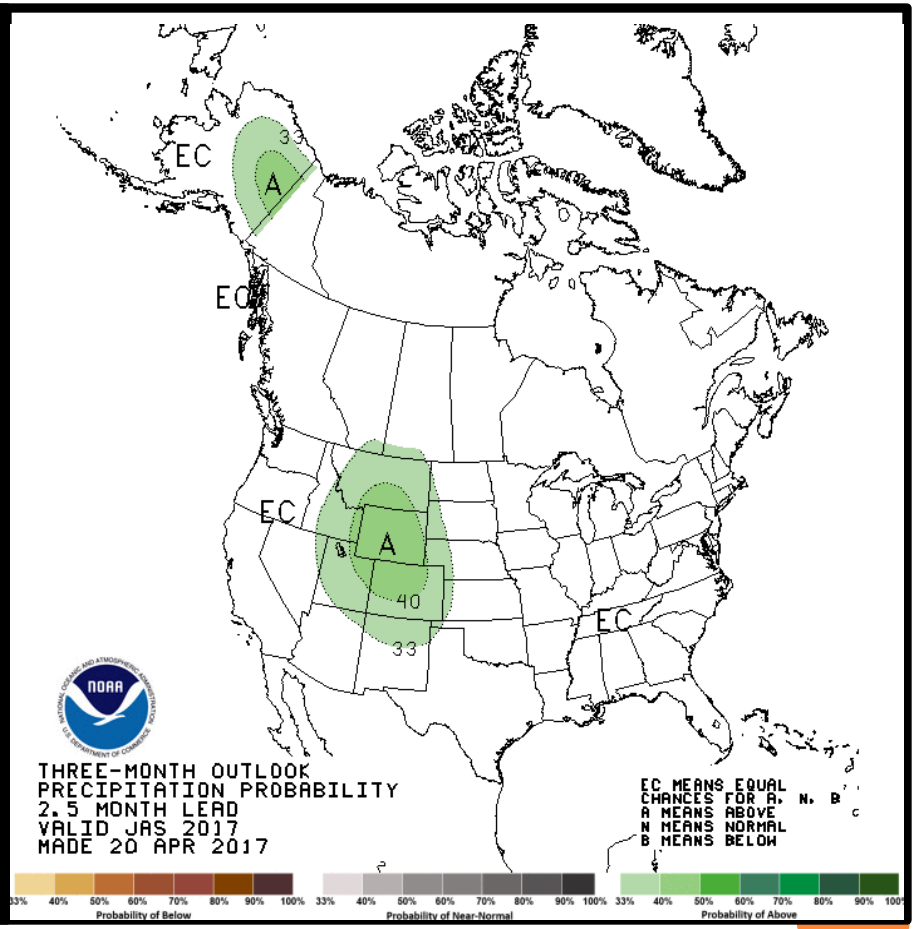
Climate outlook: July – September

Temperature



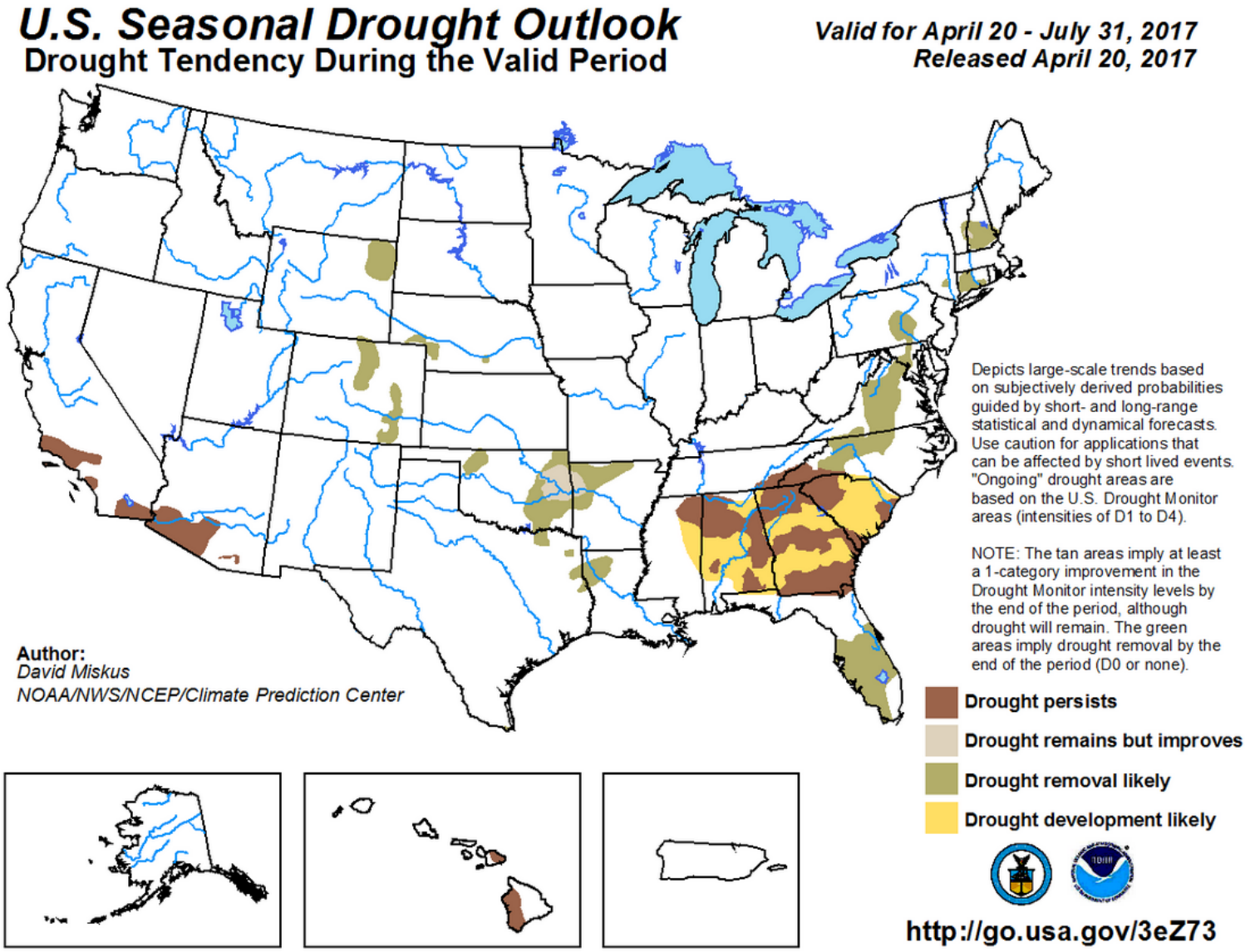
Odds tilted more toward above average temperatures

Precipitation



Equal chances for above, below or near normal precipitation amounts

Seasonal drought outlook



Questions or comments?

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