

February 9, 2017

equator

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December 2016 compared to 1981-2010 Difference from average temperature (°F)

Climate.gov/NNVL Data: Geo-Polar SST

California Drought & Climate Outlook

Recent Evolution and Current Conditions

Current SST Departures

Pacific SST Outlook

equator

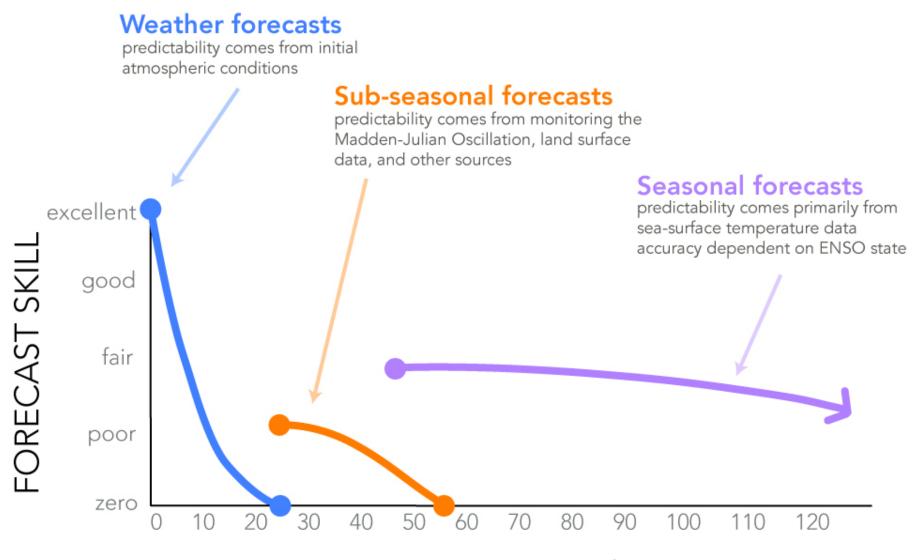
U.S. Seasonal Precipitation

& Temperature Outlooks

Summary

Difference from average temperature (°F)

Climate.gov/NNVL Data: Geo-Polar SST

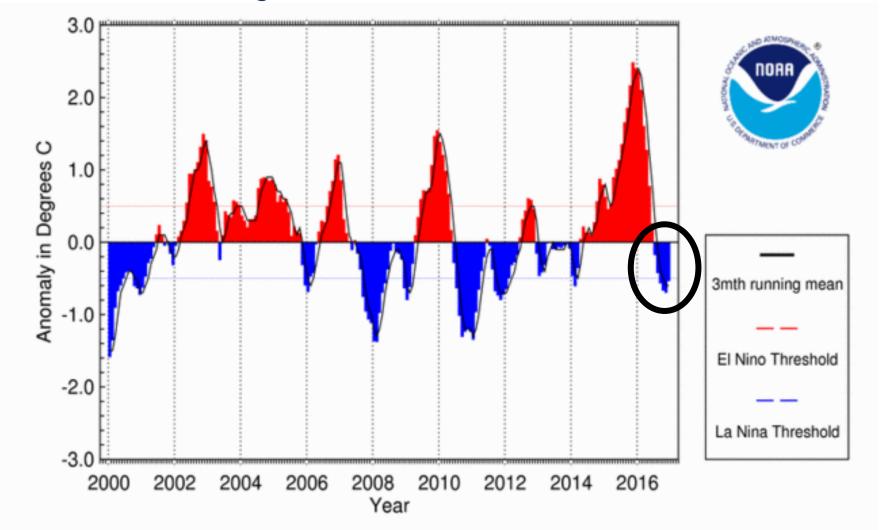


FORECAST LEAD TIME (days)

http://iri.columbia.edu/news/qa-subseasonal-prediction-project/

Development of Cool Tropical Pacific

Sea Surface Temperature Anomalies (Nino 3.4 Region) in 2016-2017 Following Warm El Nino Conditions of 2015-2016



National Centers for Environmental Information / NESDIS / NOAA

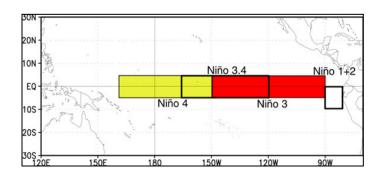
https://www.ncdc.noaa.gov/teleconnections/enso/indicators/sst.php

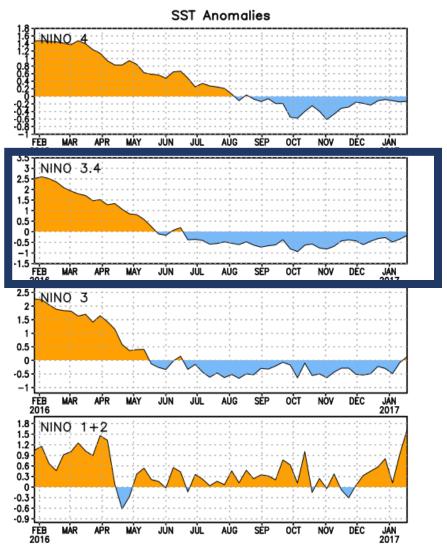
Development of Cool Tropical Pacific

Sea Surface Temperature Anomalies (Nino 3.4 Region) in 2016-2017 Following Warm El Nino Conditions of 2015-2016

The latest weekly SST departures are:

Niño 4	-0.1°C
Niño 3.4	-0.2°C
Niño 3	0.1°C
Niño 1+2	1.6°C



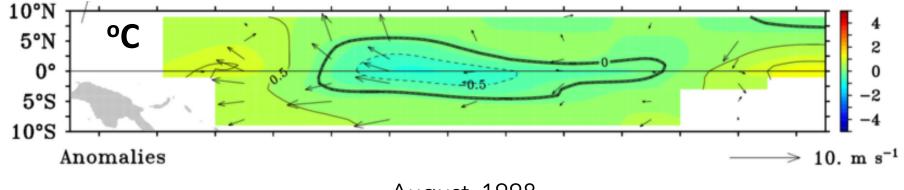


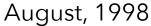
Current Ocean Temperature Conditions

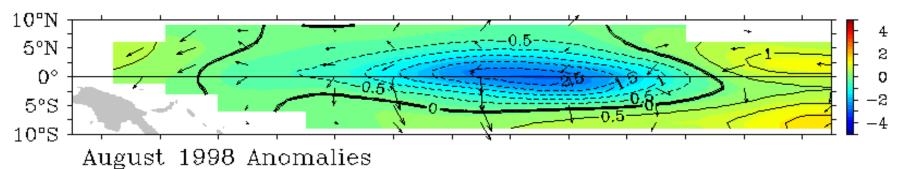
(Departure from normal for this time of year, °C)







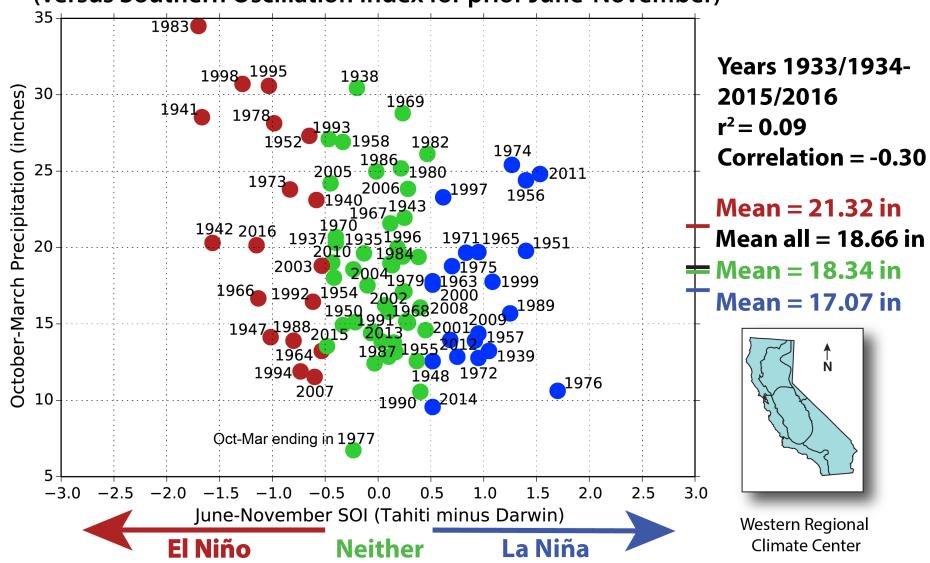




TAO Project Office/PMEL/NOAA

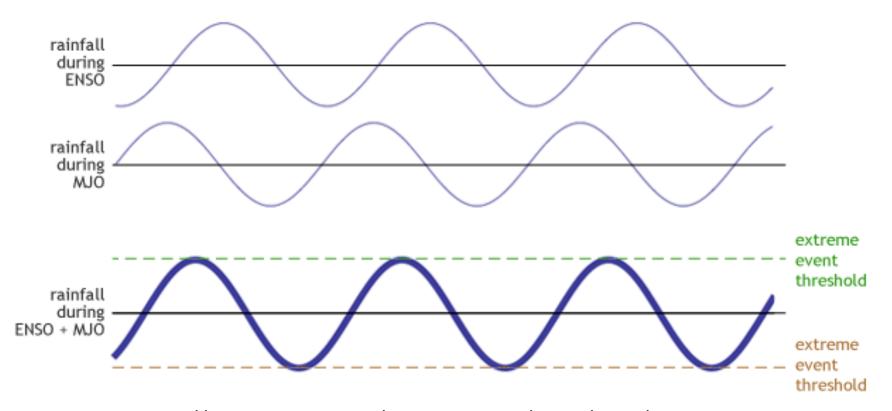
CA Statewide October-March Precipitation

(versus Southern Oscillation Index for prior June-November)



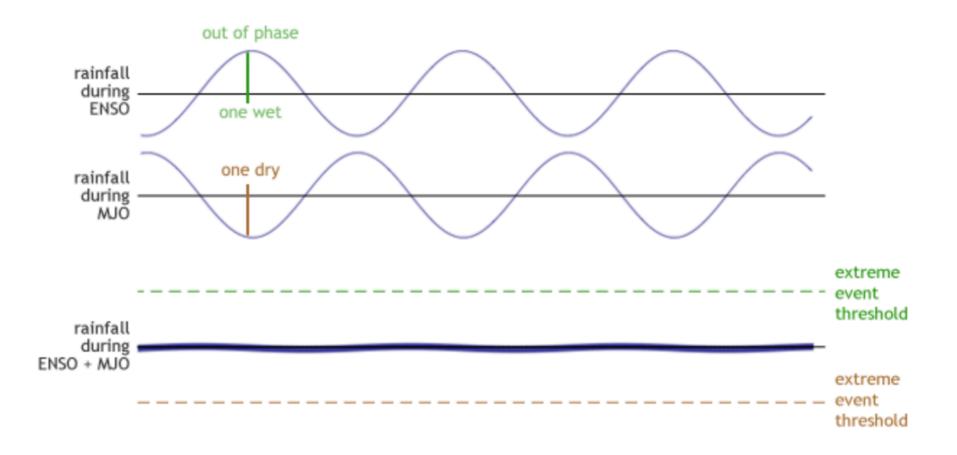
"Global Climate Symphony"

"At other times, like the present weak La Niña, the competing effects of other climate phenomena can be so important that they modify the typical ENSO rainfall patterns in several parts of the world."

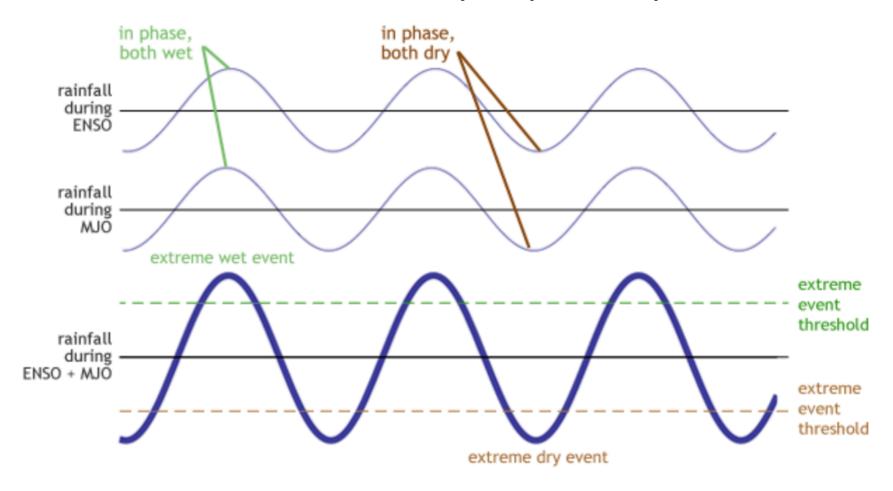


https://www.climate.gov/news-features/blogs/enso/la-niña-did-you-orchestrate

"Global Climate Symphony"

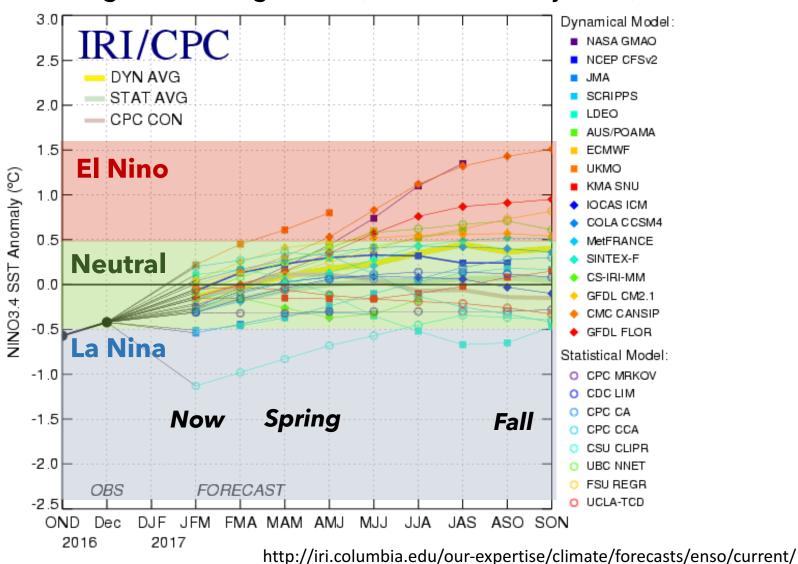


"Global Climate Symphony"

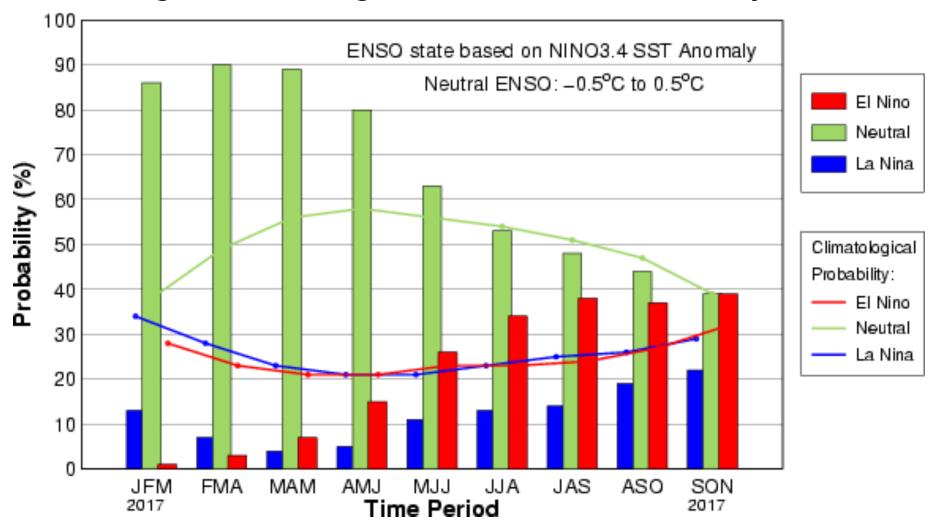


ENSO Neutral Forecasted

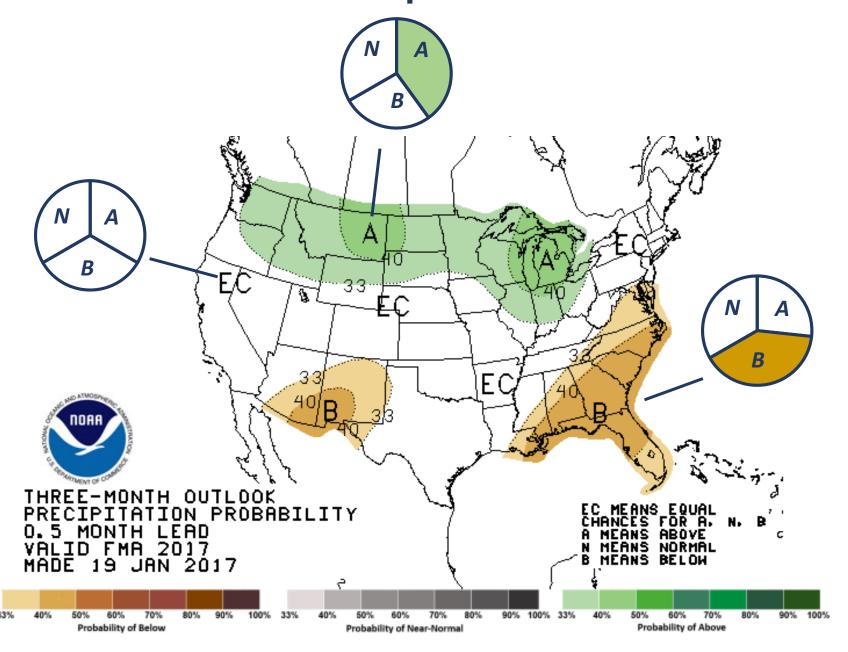
Plume of Predictions of Tropical Pacific El Niño/La Niña Status through the Coming Season (from mid-January 2017)

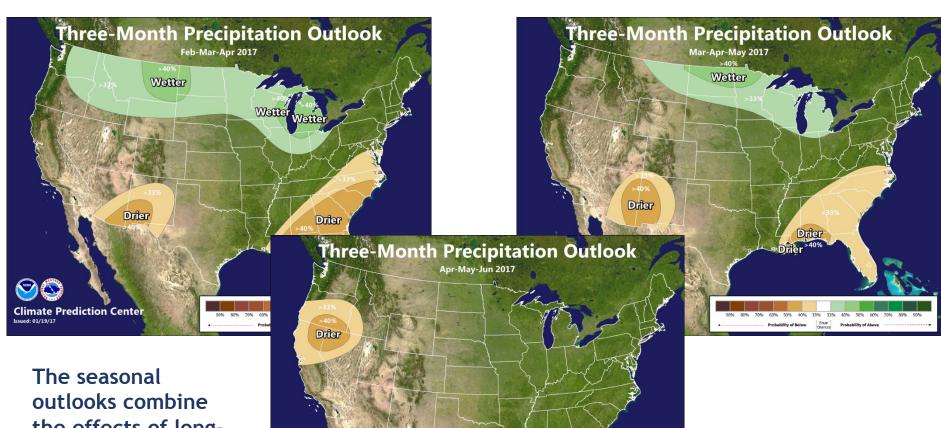


Probabilistic ENSO Forecast through the Coming Season (from mid-January 2017)



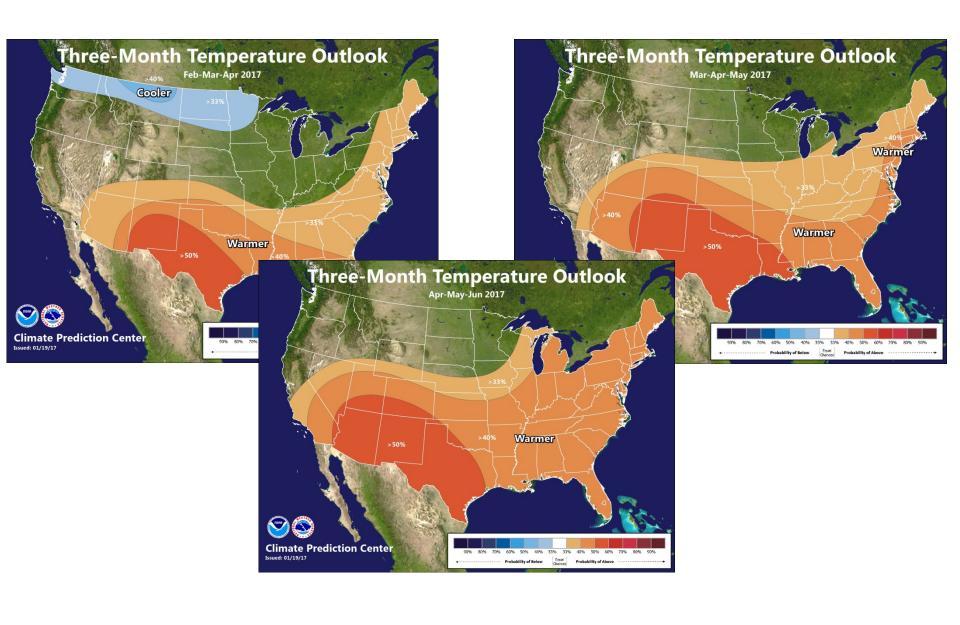
Three Month Precipitation Outlook

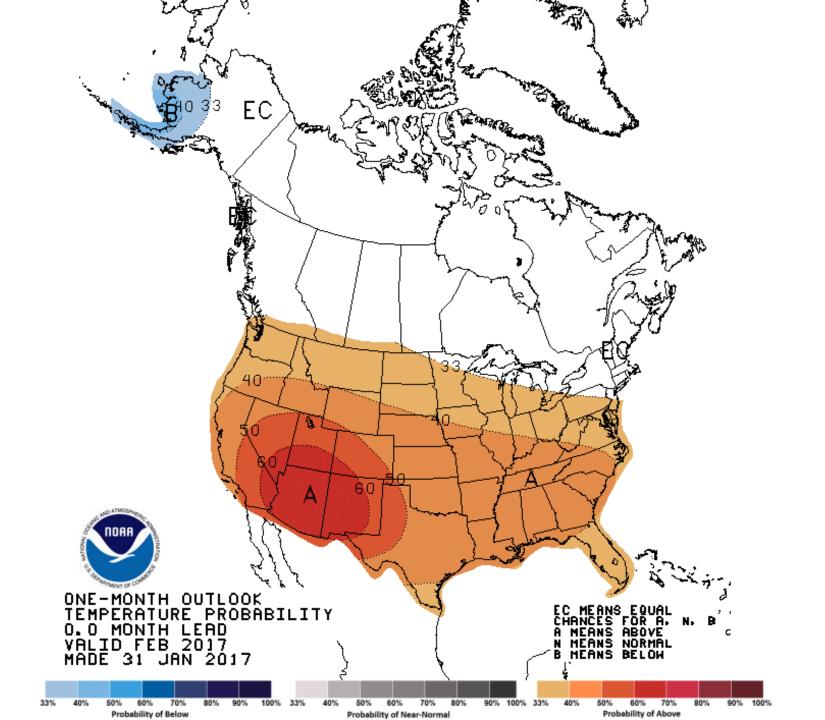


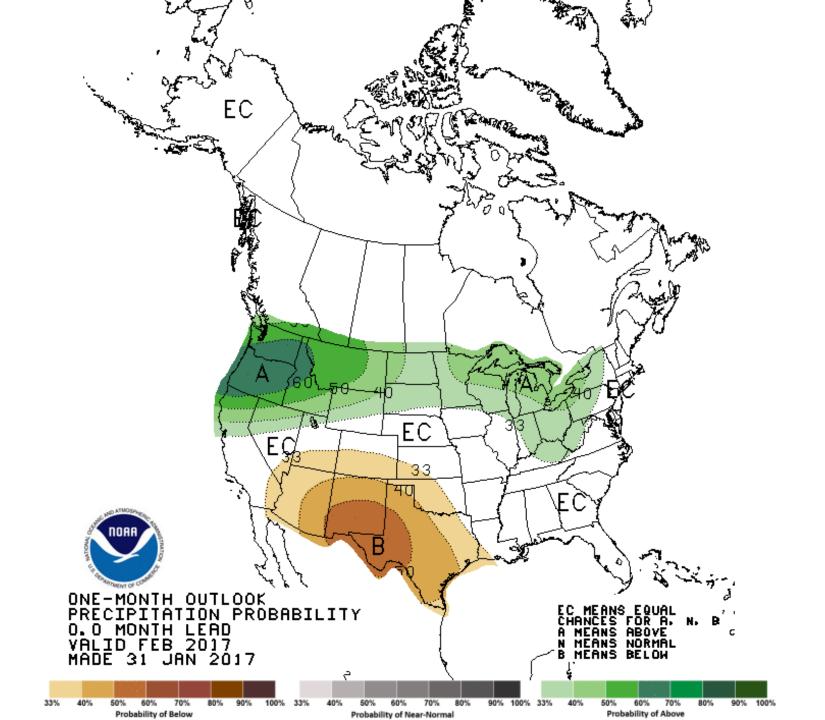


Climate Prediction Center

The seasonal outlooks combine the effects of long-term trends, soil moisture, and, when appropriate, ENSO.

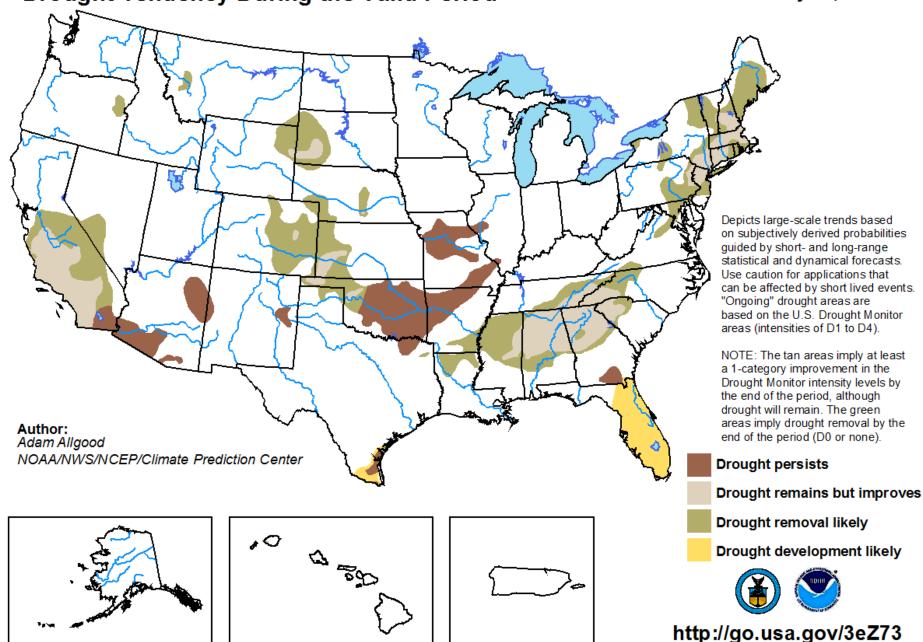






U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for January 19 - April 30, 2017 Released January 19, 2017



Summary

- Extended range prediction beyond the two week time frame relies on more slowly changing elements of the climate system that have been connected to our weather and climate - such as ENSO
- Last year's warmer ocean conditions, or El Niño conditions, ended earlier this summer
- La Niña conditions are still present, but weak. The tropical ocean and atmosphere are forecasted to shift to a state of neutral conditions. Models (as of mid-January) are projecting this state to prevail into early summer.
- Equal chances of above, below, and normal precipitation in out region through Spring
 - Next CPC Forecast Update: February 16th