

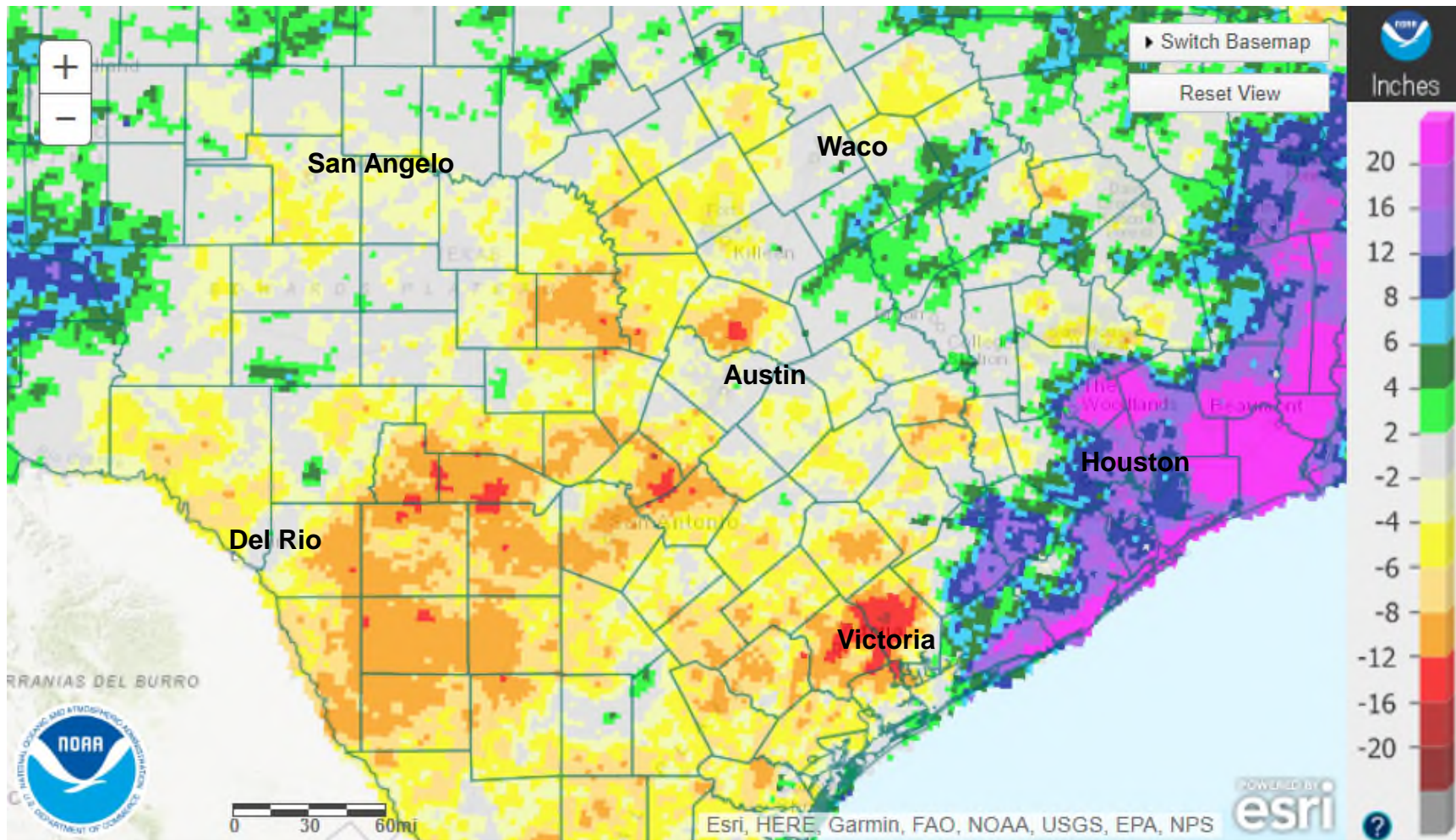
WEATHER BRIEFING

LCRA Board of Directors Meeting

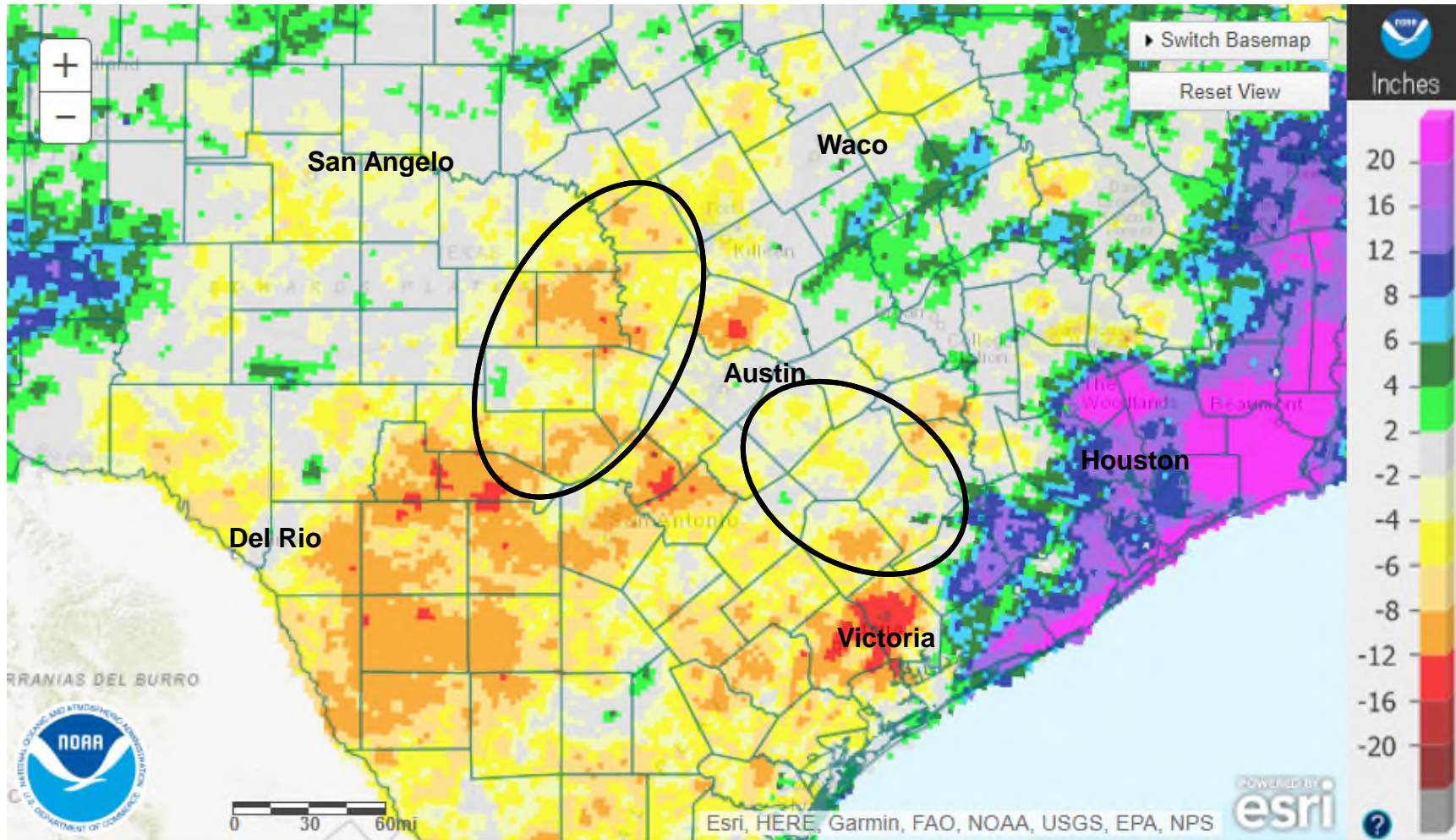
Feb. 19, 2020



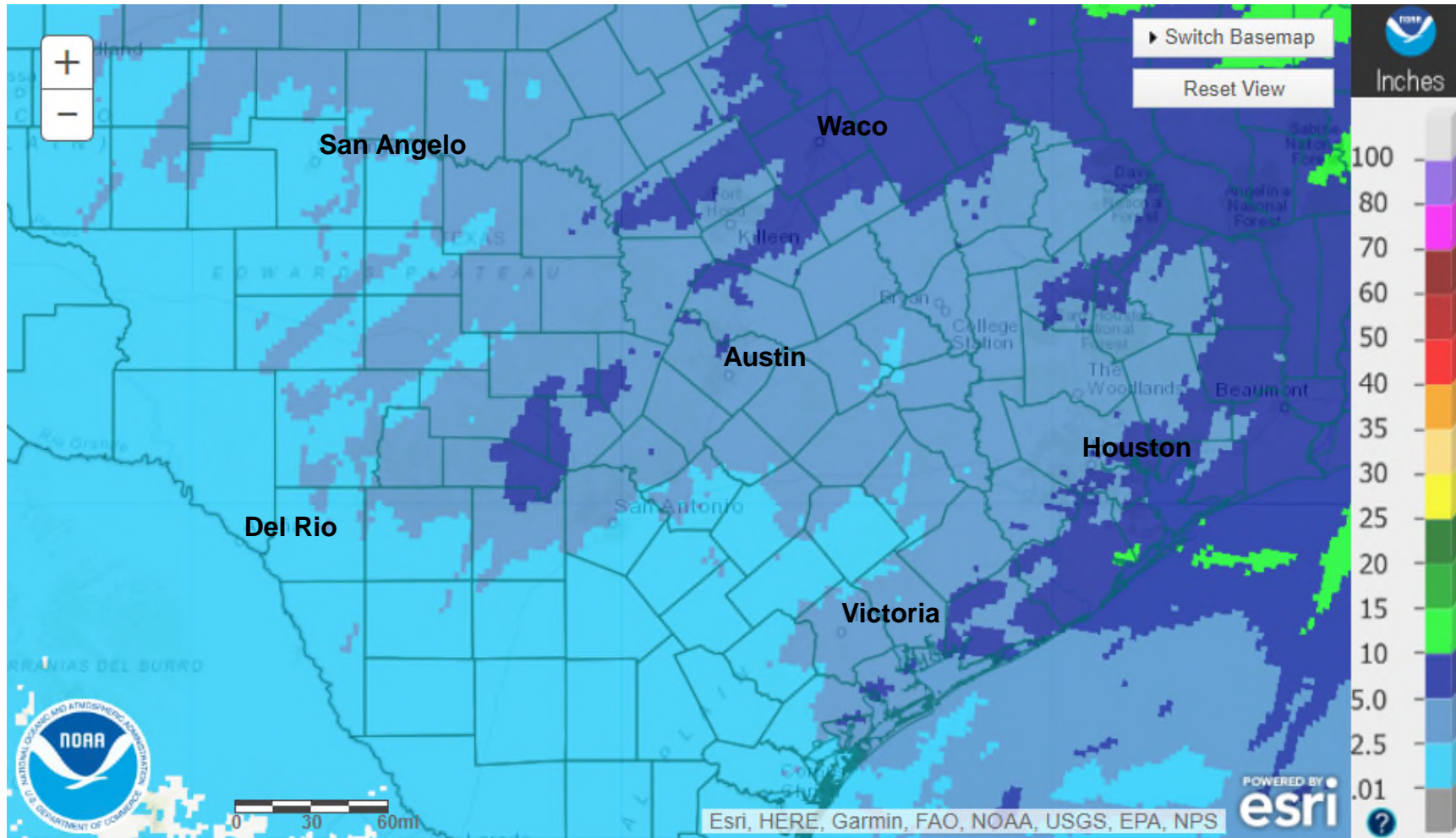
2019 – Rainfall Departure From Normal



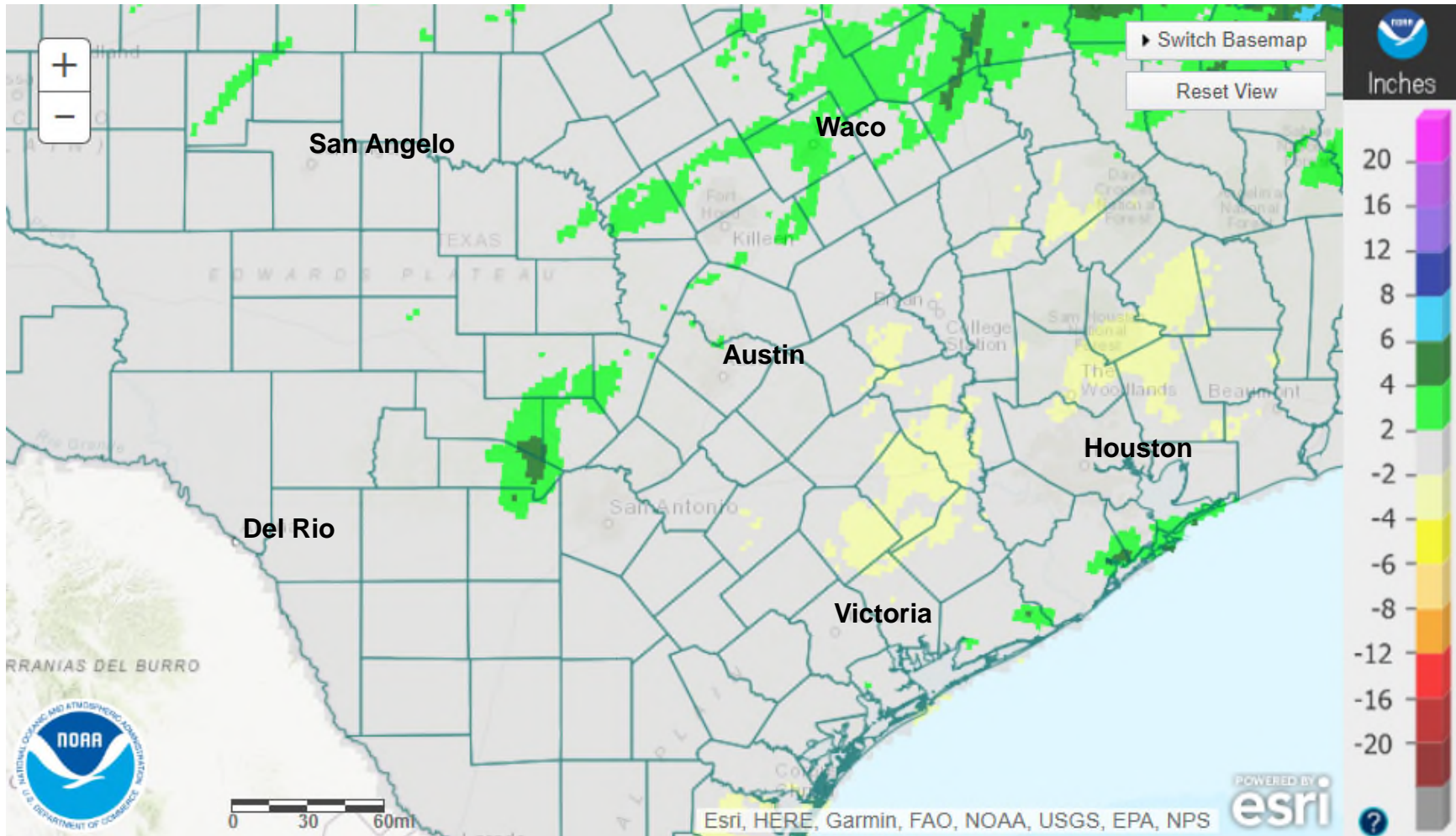
2019 – Rainfall Departure From Normal



2020 – Rainfall to Date

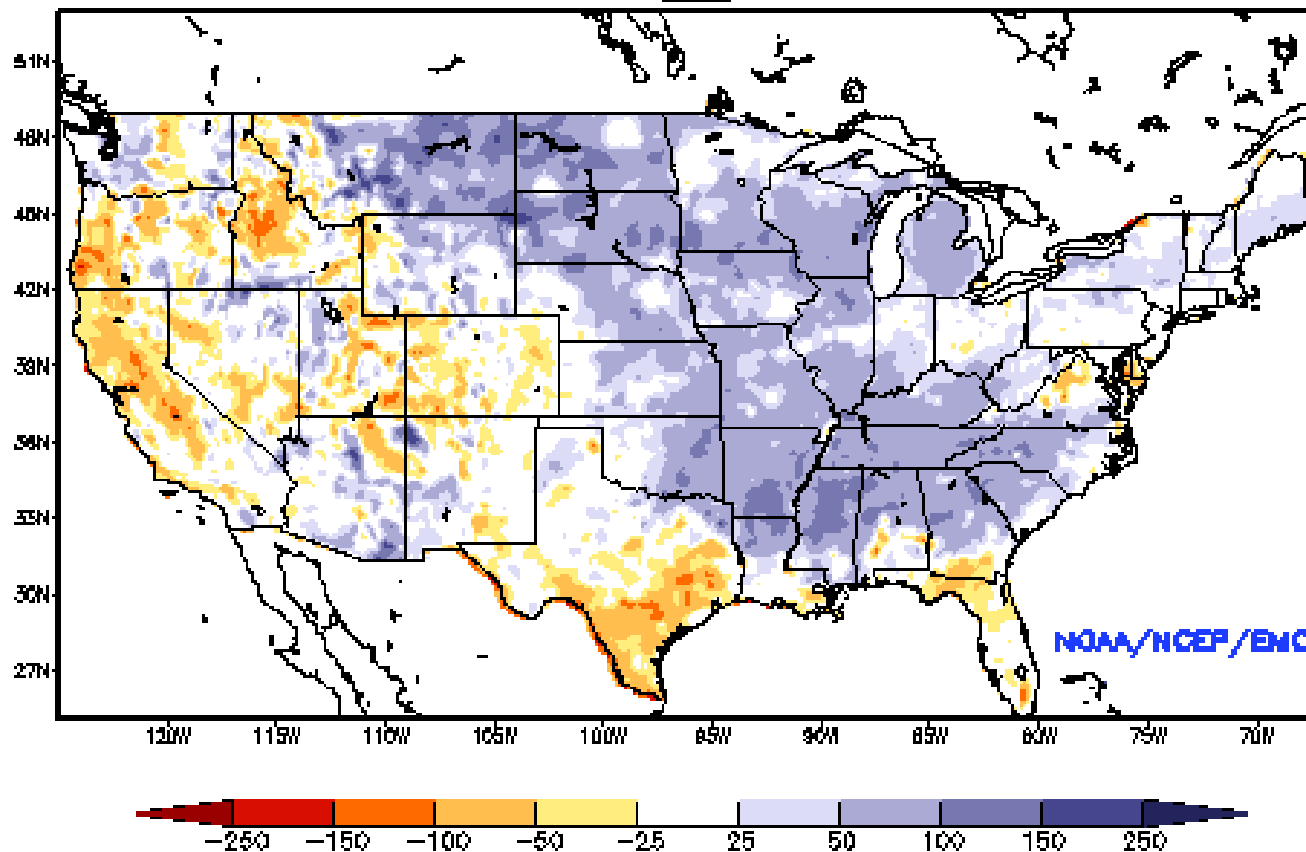


2020 – Rainfall Departure From Normal



Soil Moisture Anomaly

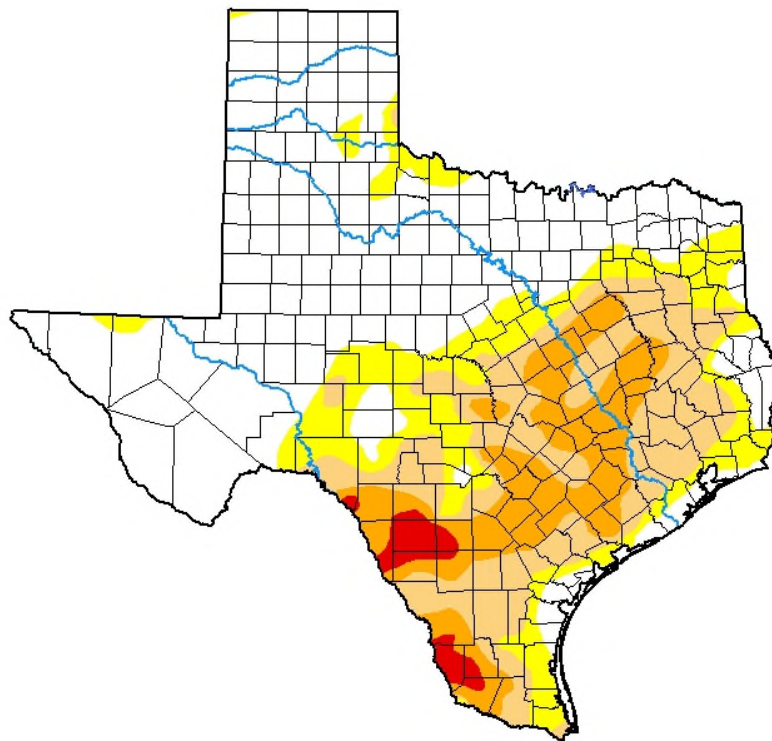
Ensemble-Mean - Current Total Column Soil Moisture Anomaly (mm)
NCEP NLDAS Products Valid: FEB 13, 2020



Widespread Drought Across Basin

U.S. Drought Monitor
Texas

February 11, 2020
(Released Thursday, Feb. 13, 2020)
Valid 7 a.m. EST



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

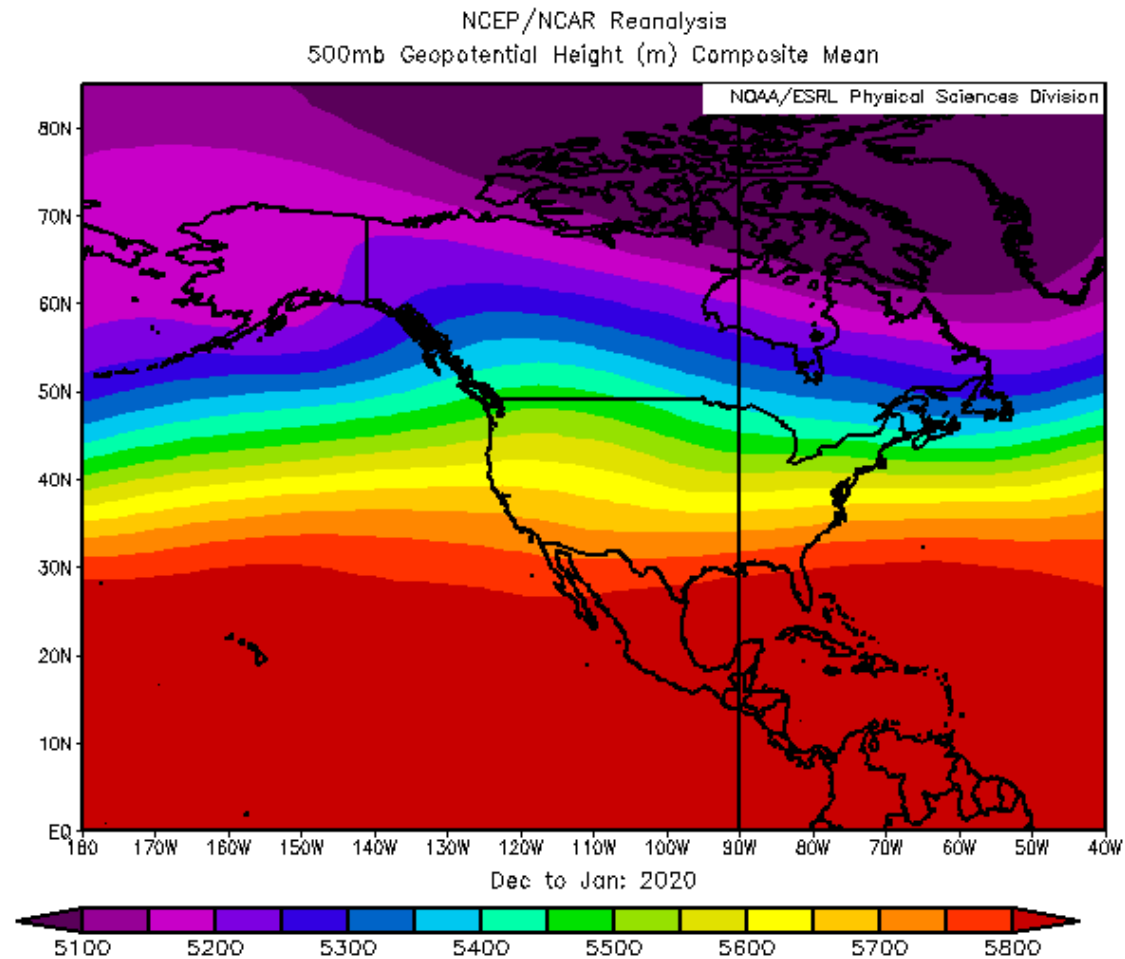
Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



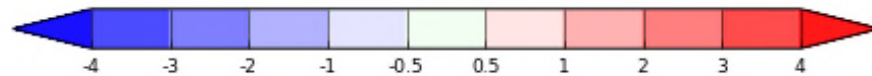
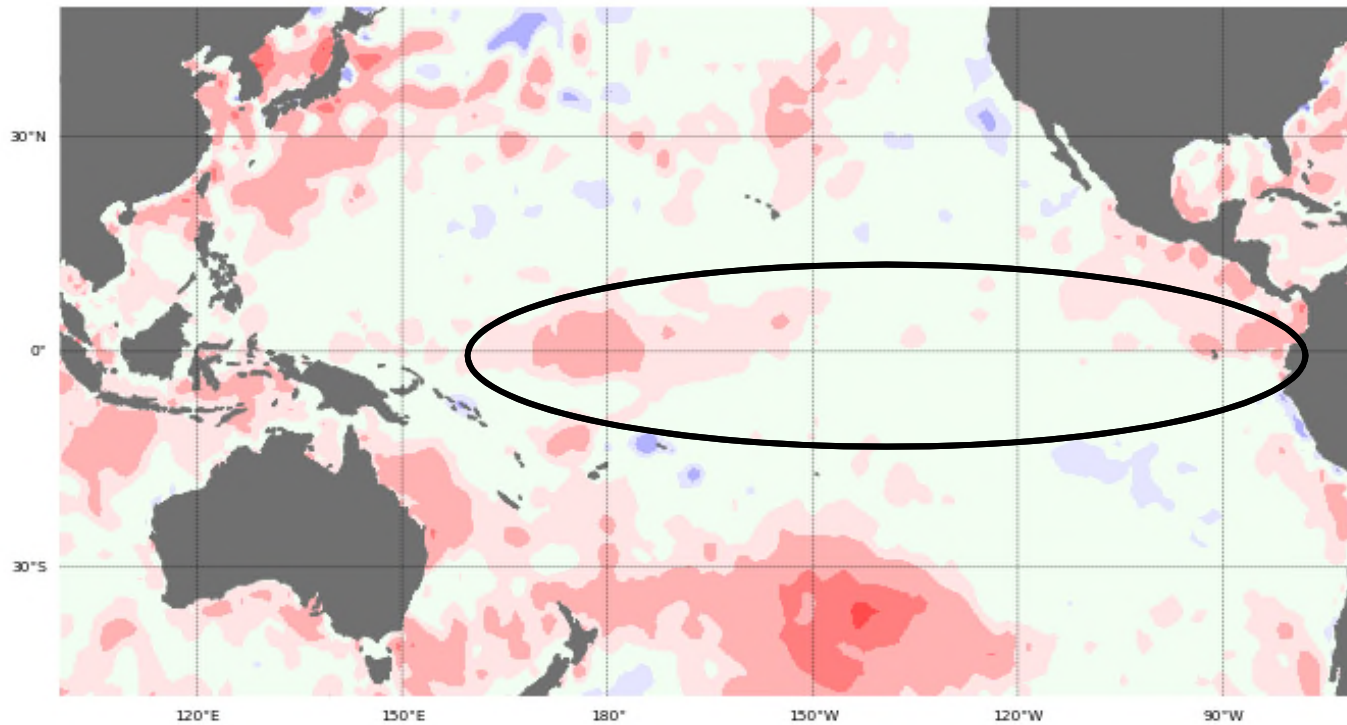
droughtmonitor.unl.edu

Jet Stream Pattern December-January



February 2020 – Neither El Niño nor La Niña

Sea surface temperature anomaly: 10/02/2020 to 16/02/2020



Data: ABOM BNOB
Climatology baseline: 1961 to 1990
© Commonwealth of Australia 2020, Australian Bureau of Meteorology

°C

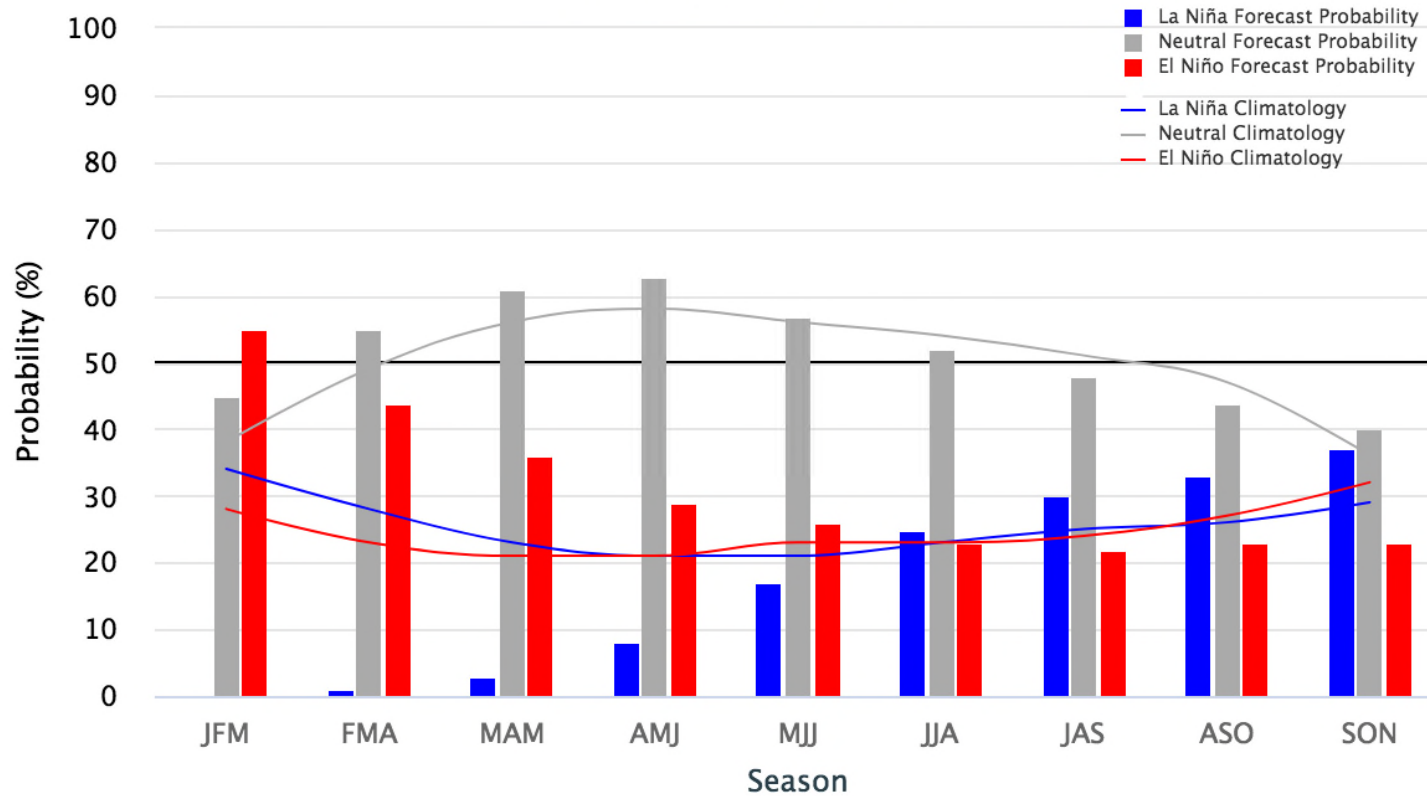
<http://www.bom.gov.au/climate>

Week ending: 16/02/2020
Created: 17/02/2020

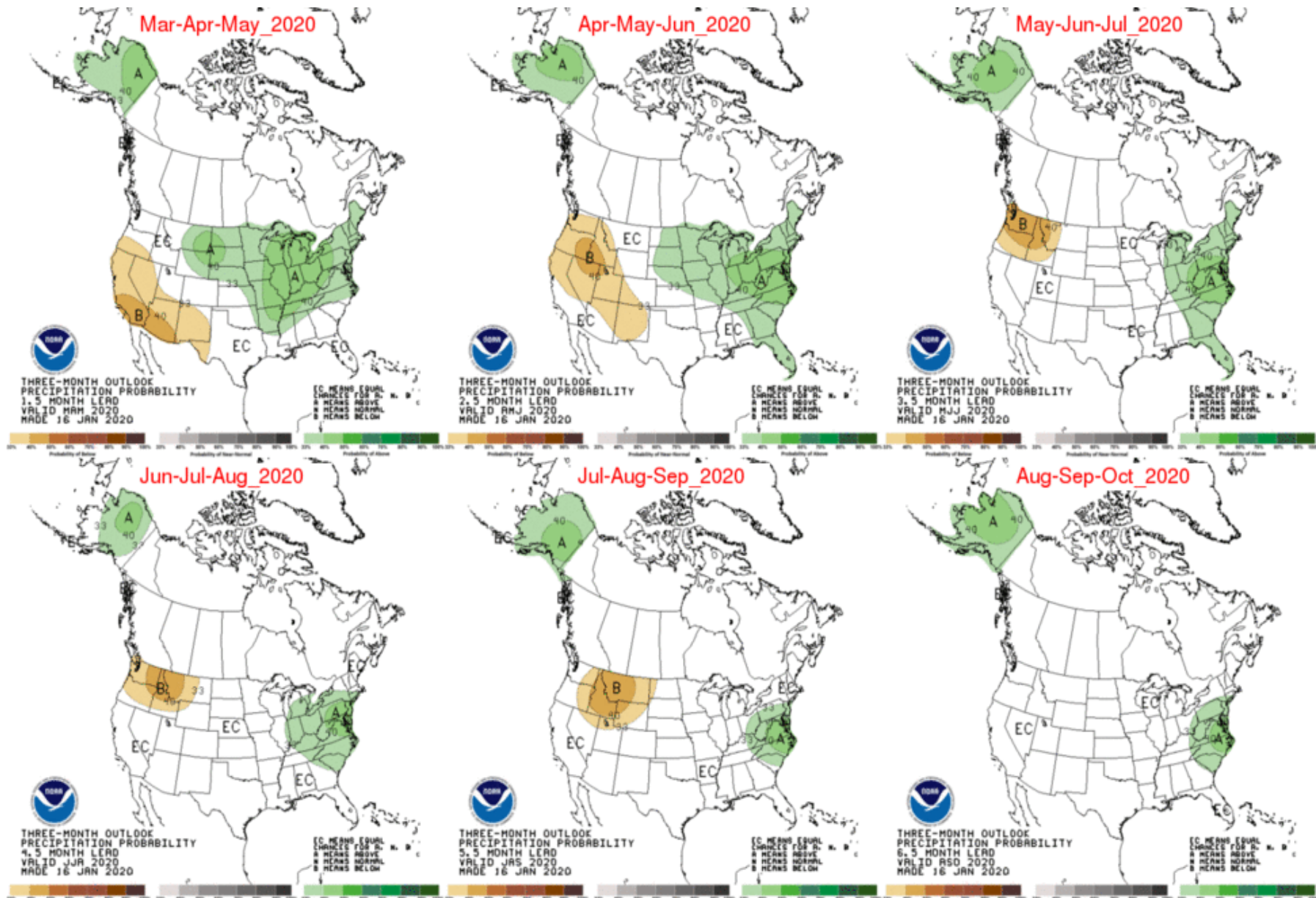
Neutral Pacific Forecast Through Summer

Early-February 2020 CPC/IRI Official Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: $-0.5\text{ }^{\circ}\text{C}$ to $0.5\text{ }^{\circ}\text{C}$

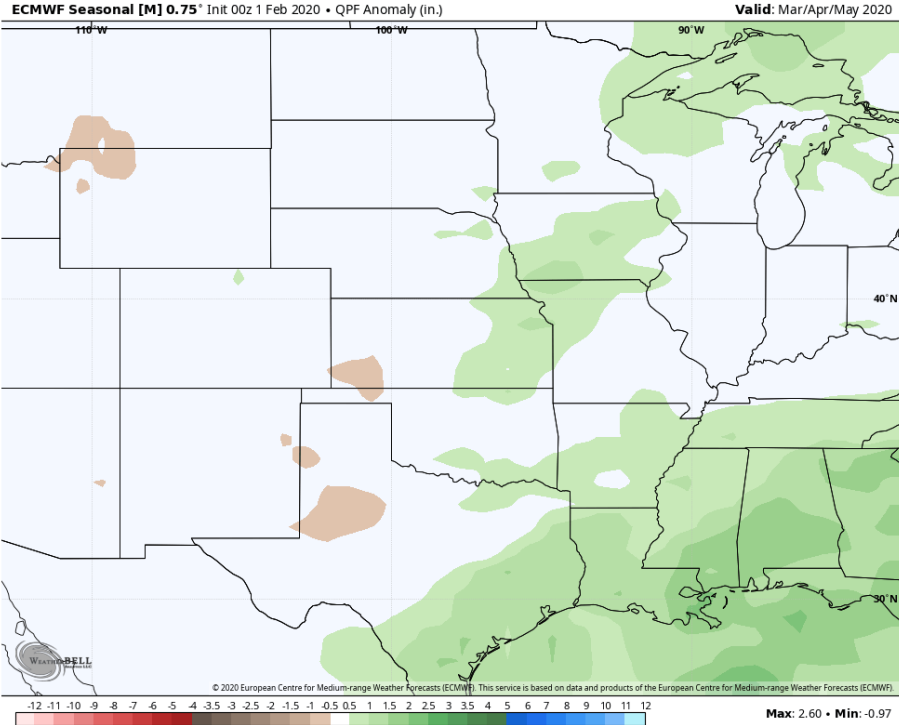


National Weather Service Rainfall Outlook

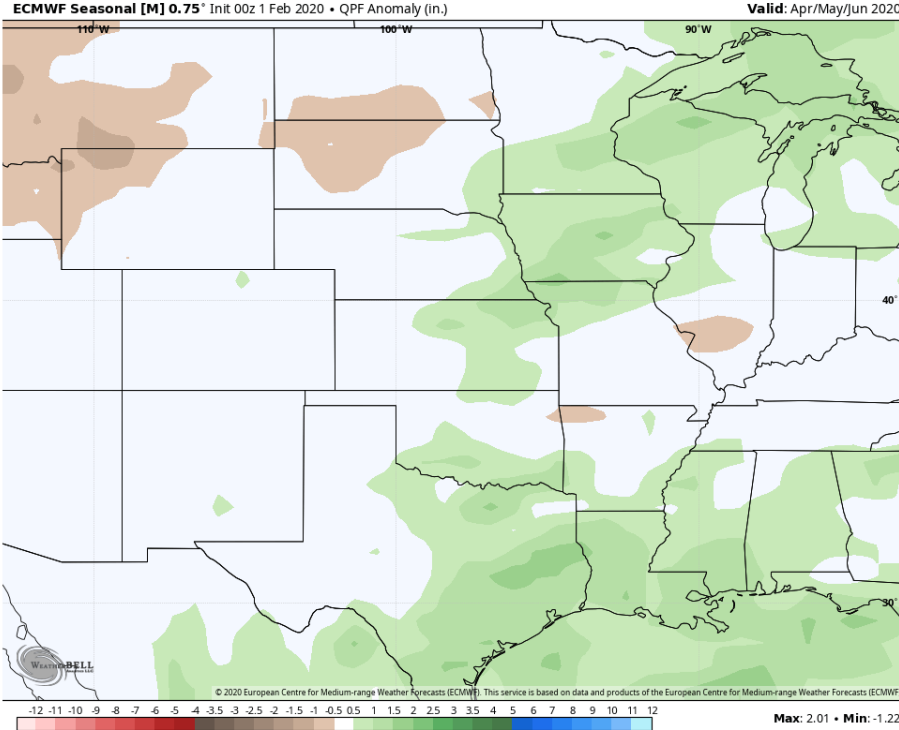


European Model Precipitation Outlook

March-May

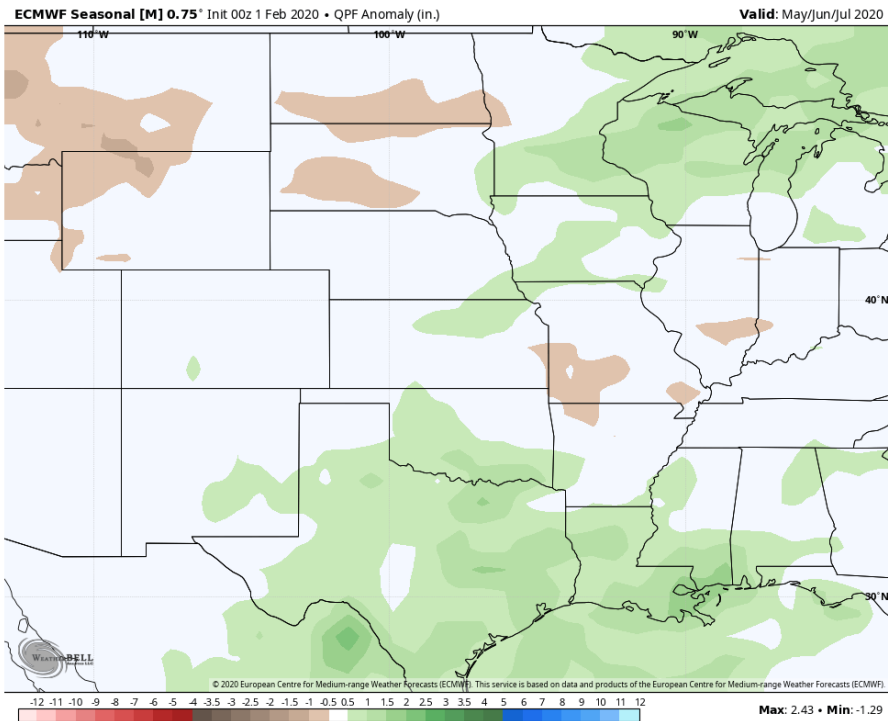


April-June

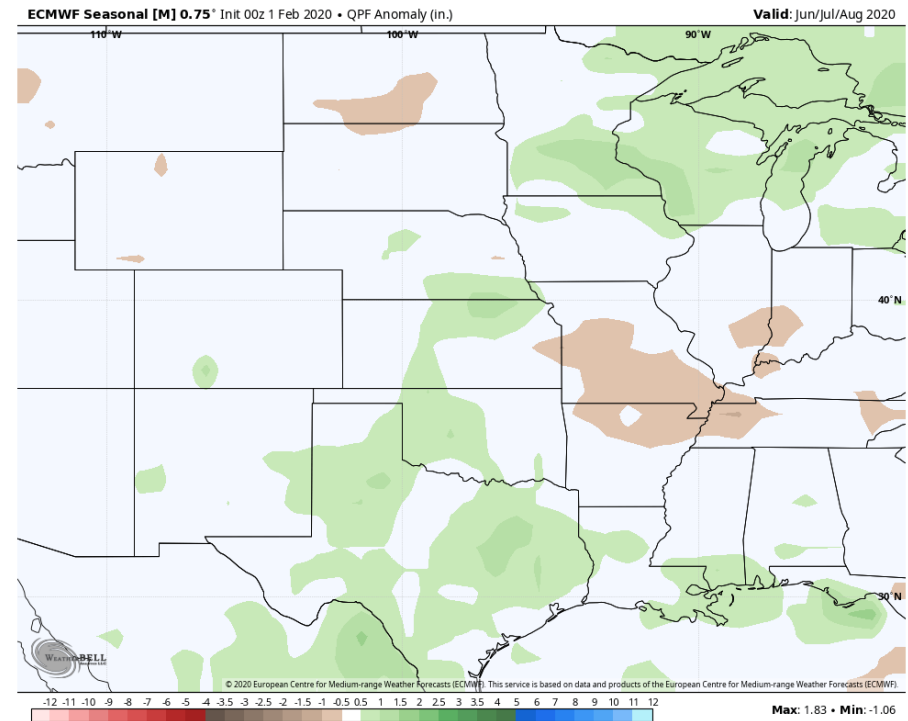


European Model Precipitation Outlook (continued)

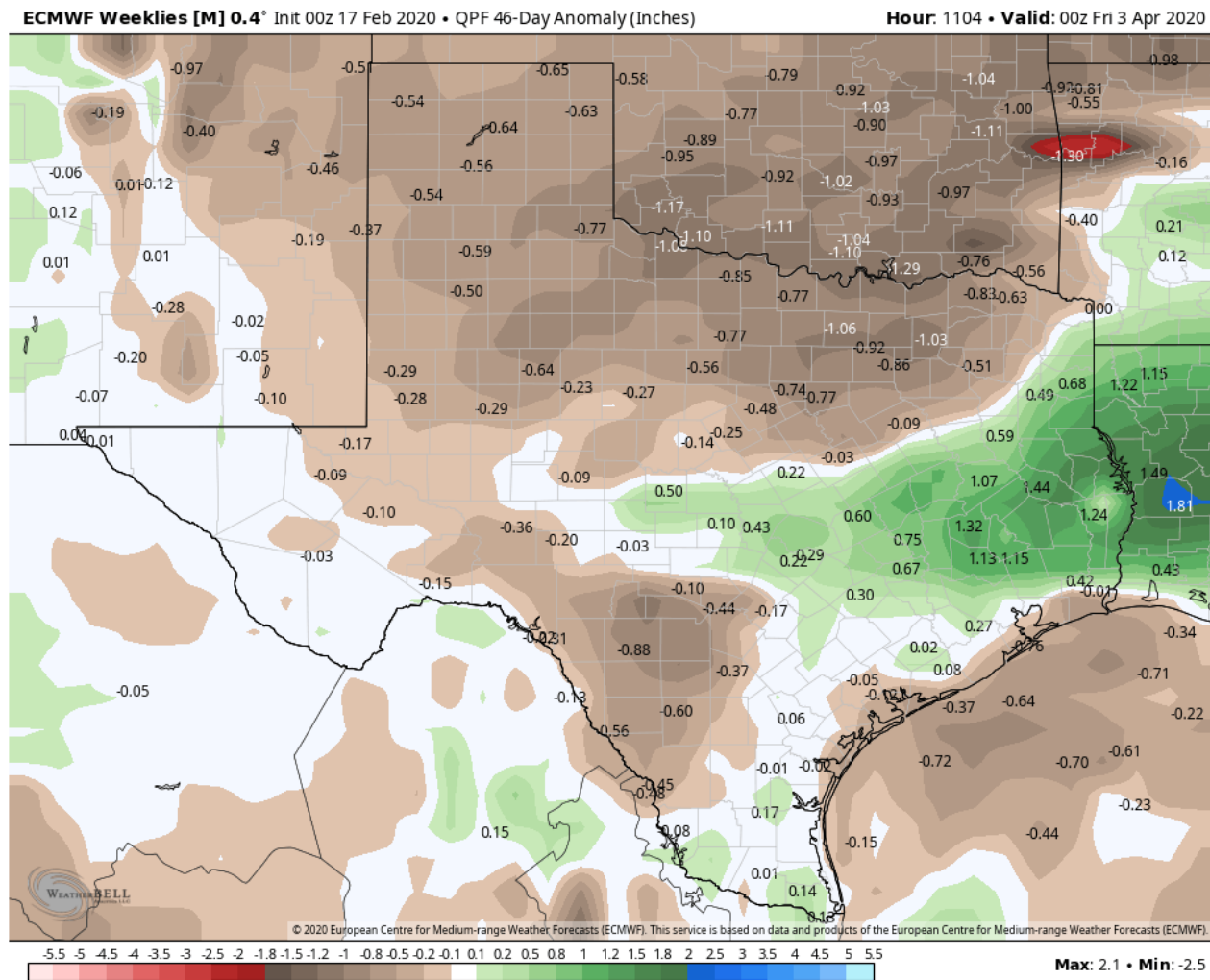
May-July



June-August



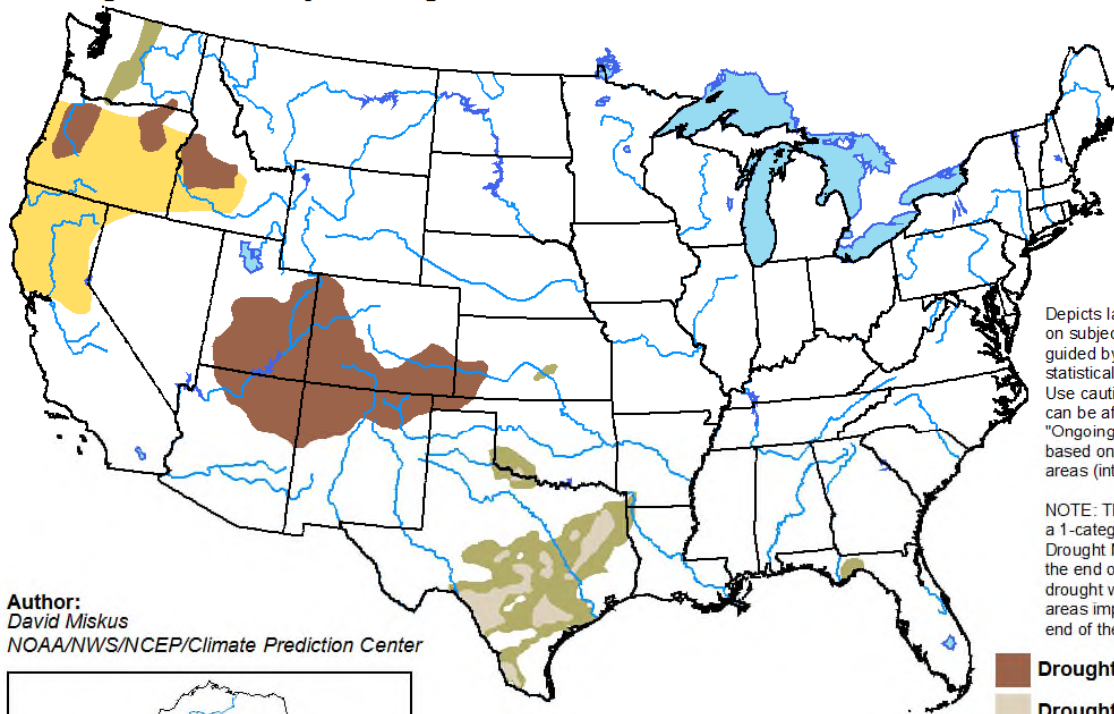
European Model Rain Outlook Through April 2



Drought Outlook Calls for Improvement Across Texas Through April

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

Valid for January 16 - April 30, 2020
Released January 16

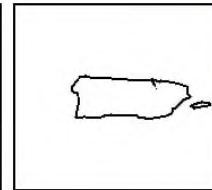
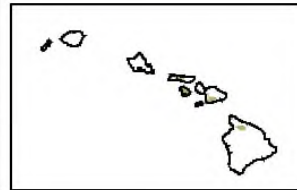
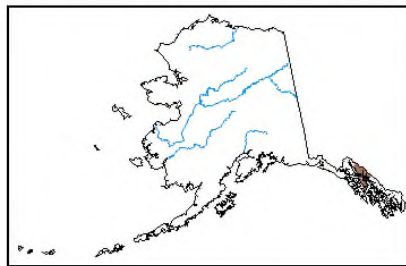


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

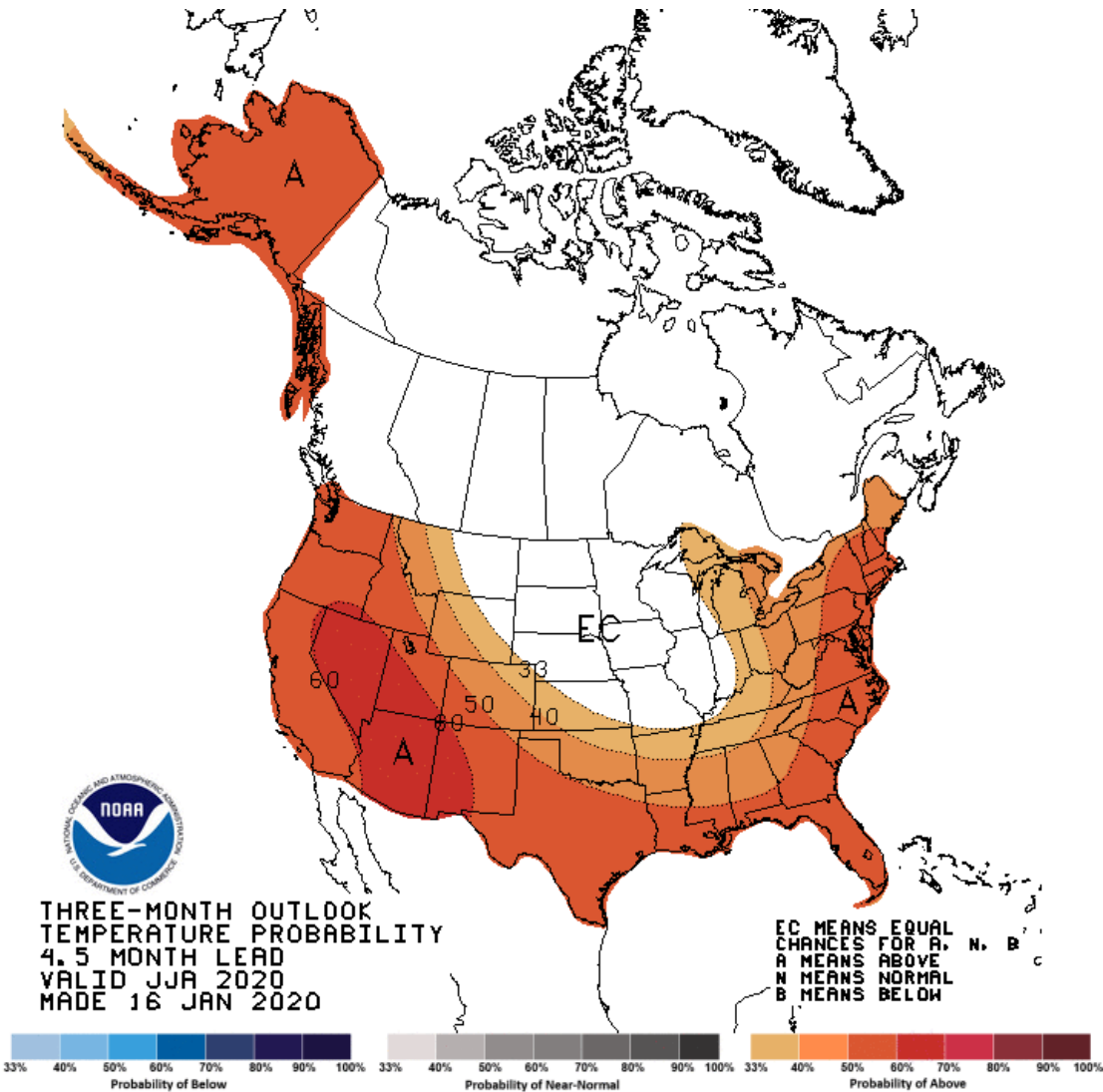
- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely

Author:
David Miskus
NOAA/NWS/NCEP/Climate Prediction Center



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

Hotter Than Normal Summer Forecast



Outlook for Spring and Summer

- Near normal to slightly above normal rainfall expected March through June
- Drought improvement expected
- Rainfall trending below normal July and August
- Early indications for another very hot summer
- Possible La Niña development this fall
- La Niña often brings a drier pattern and helps kick off droughts