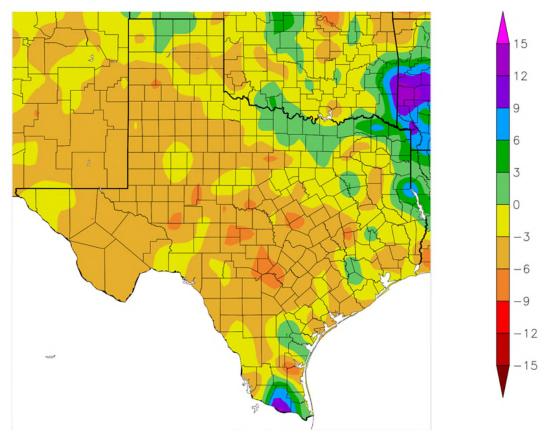
Long-Term Weather Forecast

Water Operations Committee Meeting Sept. 23, 2020



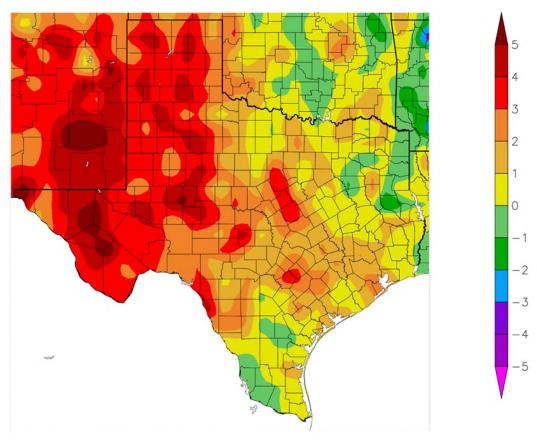
June-August: Rainfall Departure From Normal

Departure from Normal Precipitation (in) 6/1/2020 - 8/31/2020



June-August: Temperature Departure From Normal

Departure from Normal Temperature (F) 6/1/2020 - 8/31/2020



Summer 2020 Climate Statistics

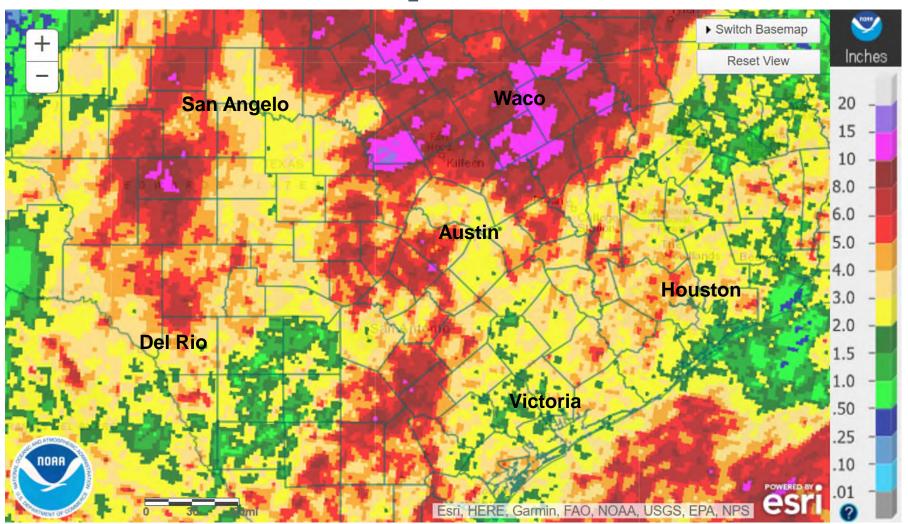
For Texas:

- This was the sixth-hottest summer on record
- This was the 20th-driest summer on record

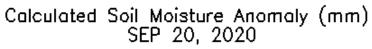
At Austin Camp Mabry:

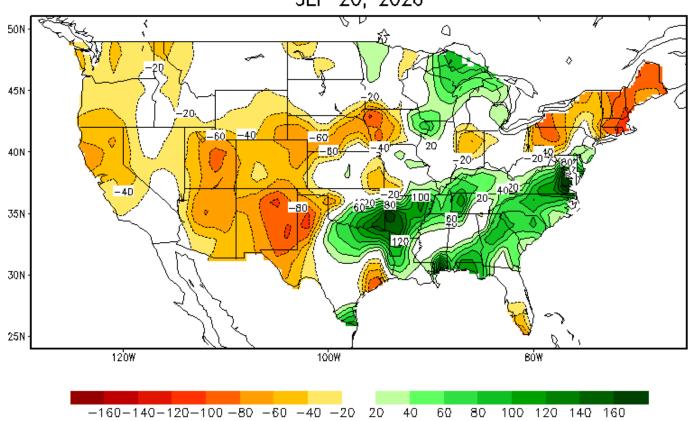
- This was the fourth-hottest summer on record, behind 2011, 2009 and 2018
- This was the 33rd-driest summer on record
- Austin recorded 49 triple-digit temperatures

Rainfall Since Sept. 1



Current Soil Moisture Anomaly





U.S. Drought Monitor Texas

September 15, 2020

(Released Thursday, Sep. 17, 2020) Valid 8 a.m. EDT

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

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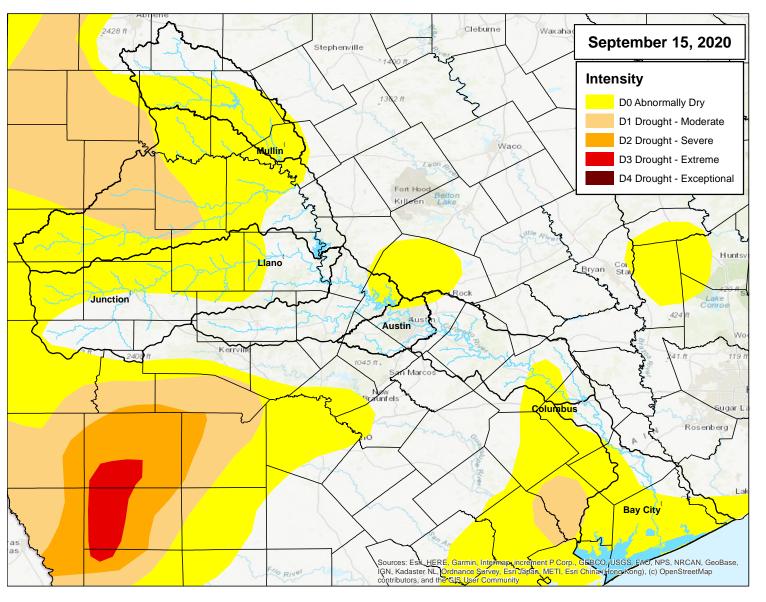






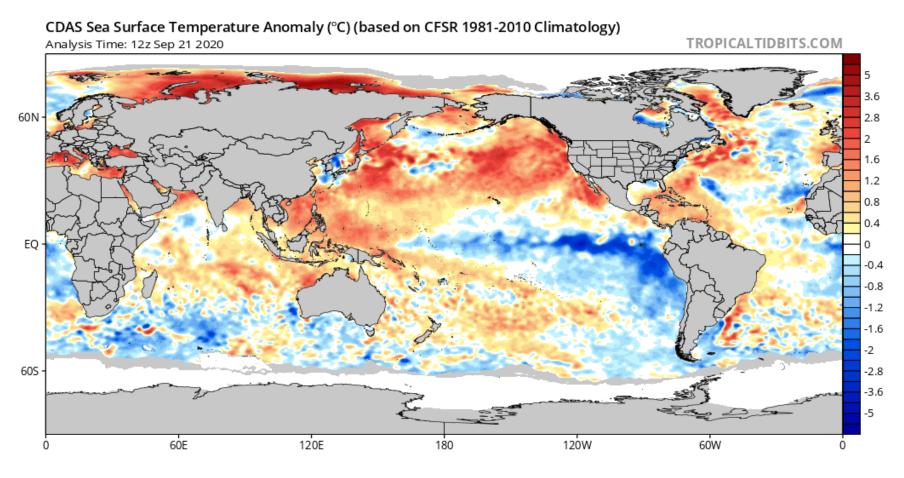
droughtmonitor.unl.edu

Limited Drought Across Basin



Limited Drought Across Basin

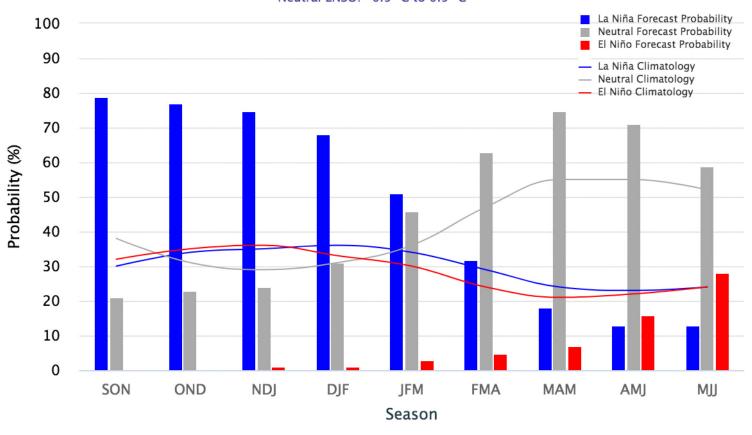
September 2020 – Pacific Trending to La Niña



A Weak to Moderate La Niña Forecast Fall Through Winter

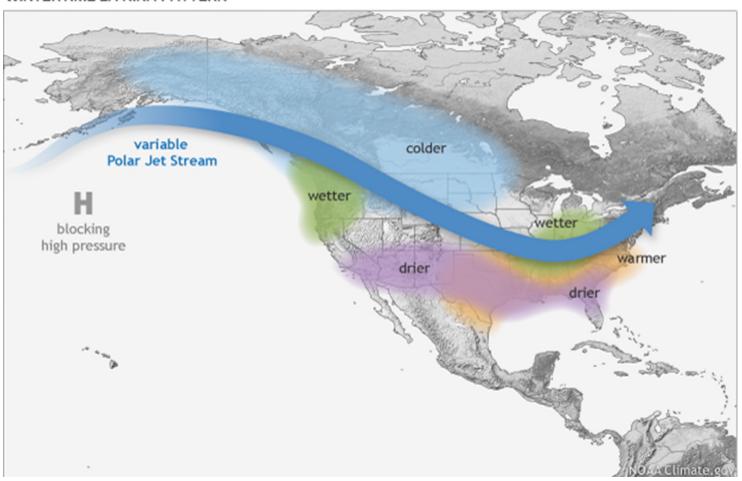
Mid-September 2020 IRI/CPC Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5 °C to 0.5 °C

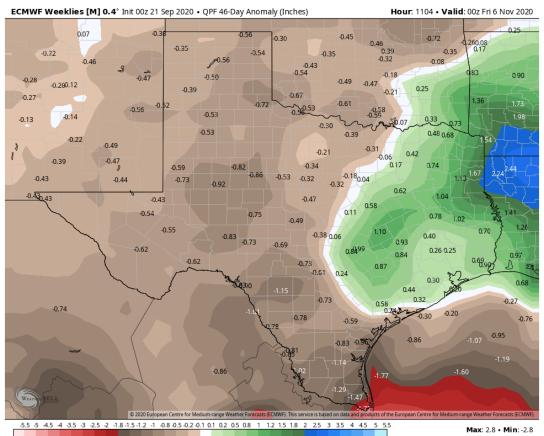


Typical Impacts From La Niña

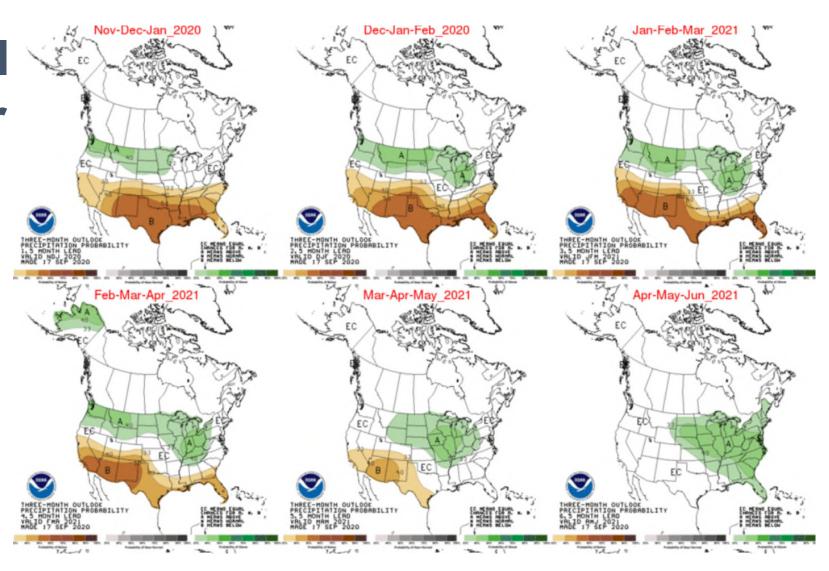
WINTERTIME LA NIÑA PATTERN



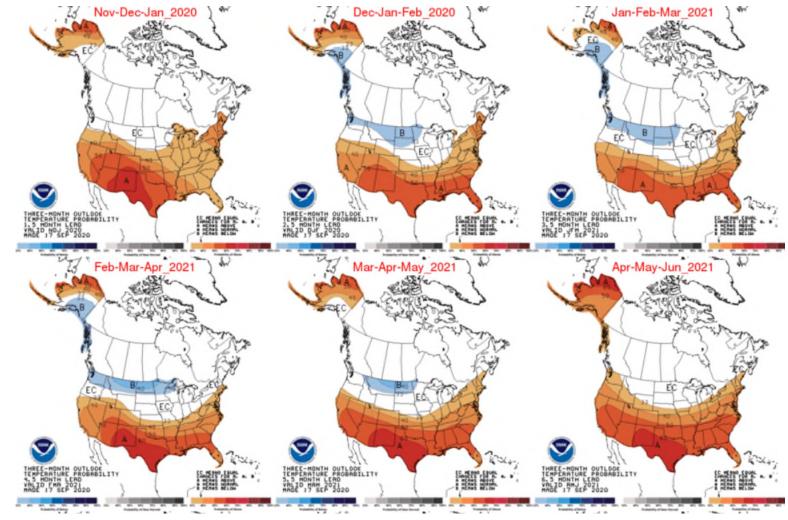
European Model, Rainfall Departure From Normal Through Nov. 5



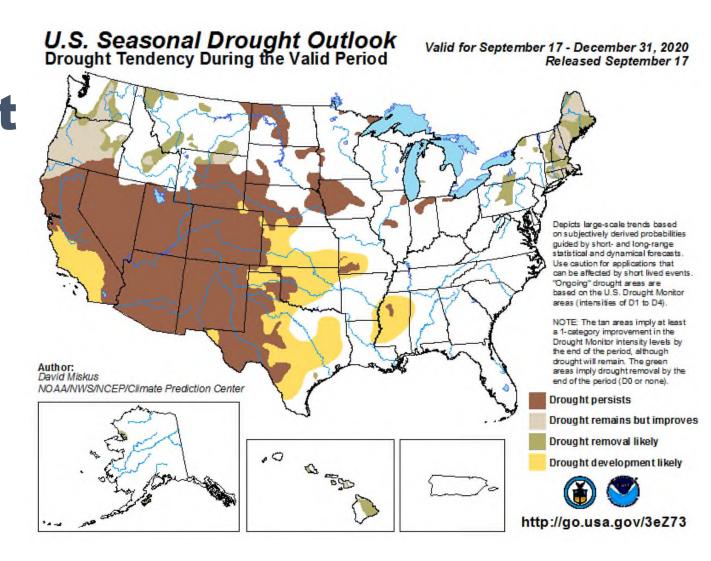
National Weather Service Rainfall Outlook



National Weather Service Temperature Outlook Nov-Dec-Jan 2020 Dec-Jan-Feb 2020 Jan-Feb-Mar 2021



Drought Development Predicted Over the Next Three Months



Outlook for Fall and Winter

- Near-normal to slightly below-normal rainfall expected September through October
- A mild to moderate La Niña is forecast to develop and persist through the upcoming winter
- La Niña causes a drier pattern across Texas and helps kick off droughts
- Rainfall trending below normal beginning in November, continuing through February
- Milder-than-normal temperatures this winter