

Summer Weather Outlook

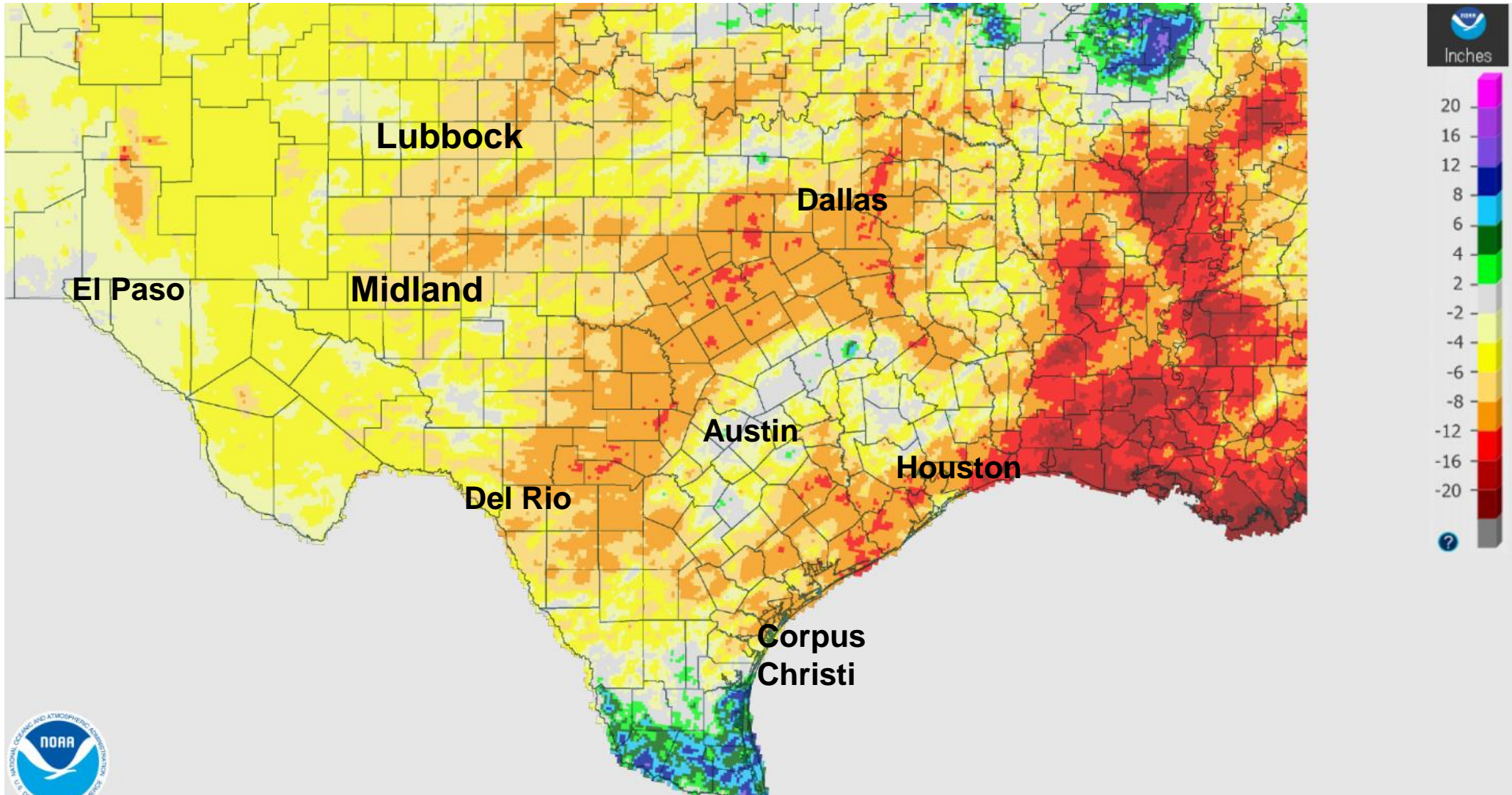
Bob Rose, LCRA Chief Meteorologist
May 26, 2022



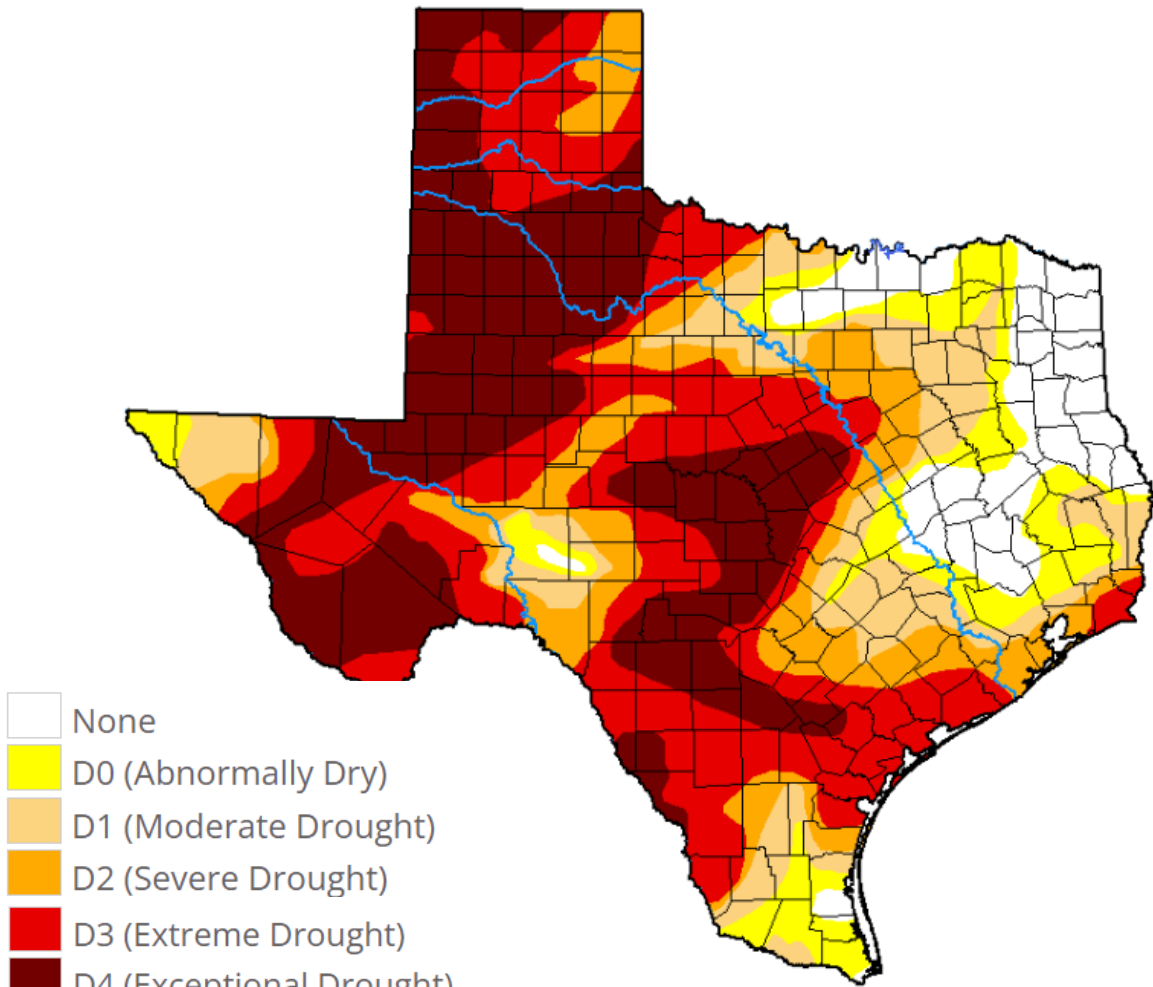
Rainfall Tuesday



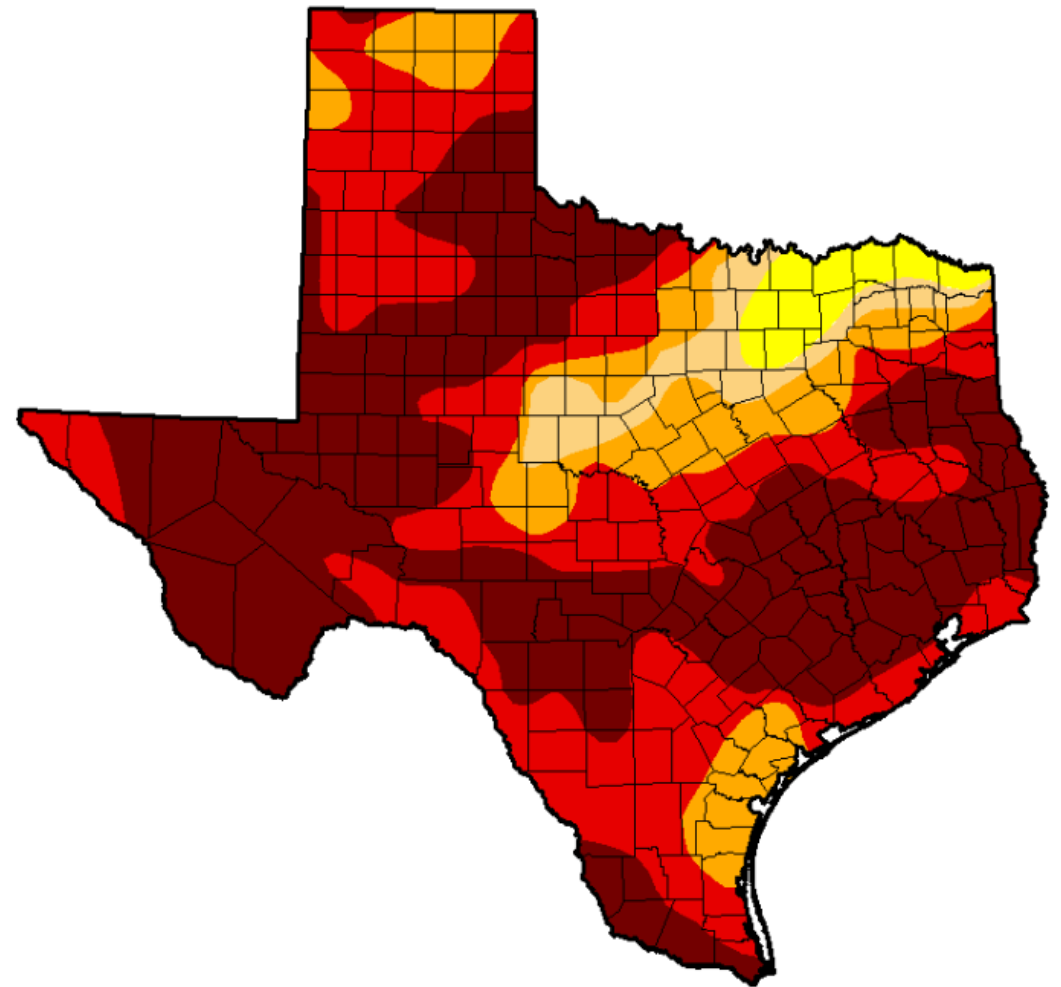
Rainfall Departure From Normal Since Oct. 1



May 2022 vs. May 2011 National Drought Monitor



May 17, 2022



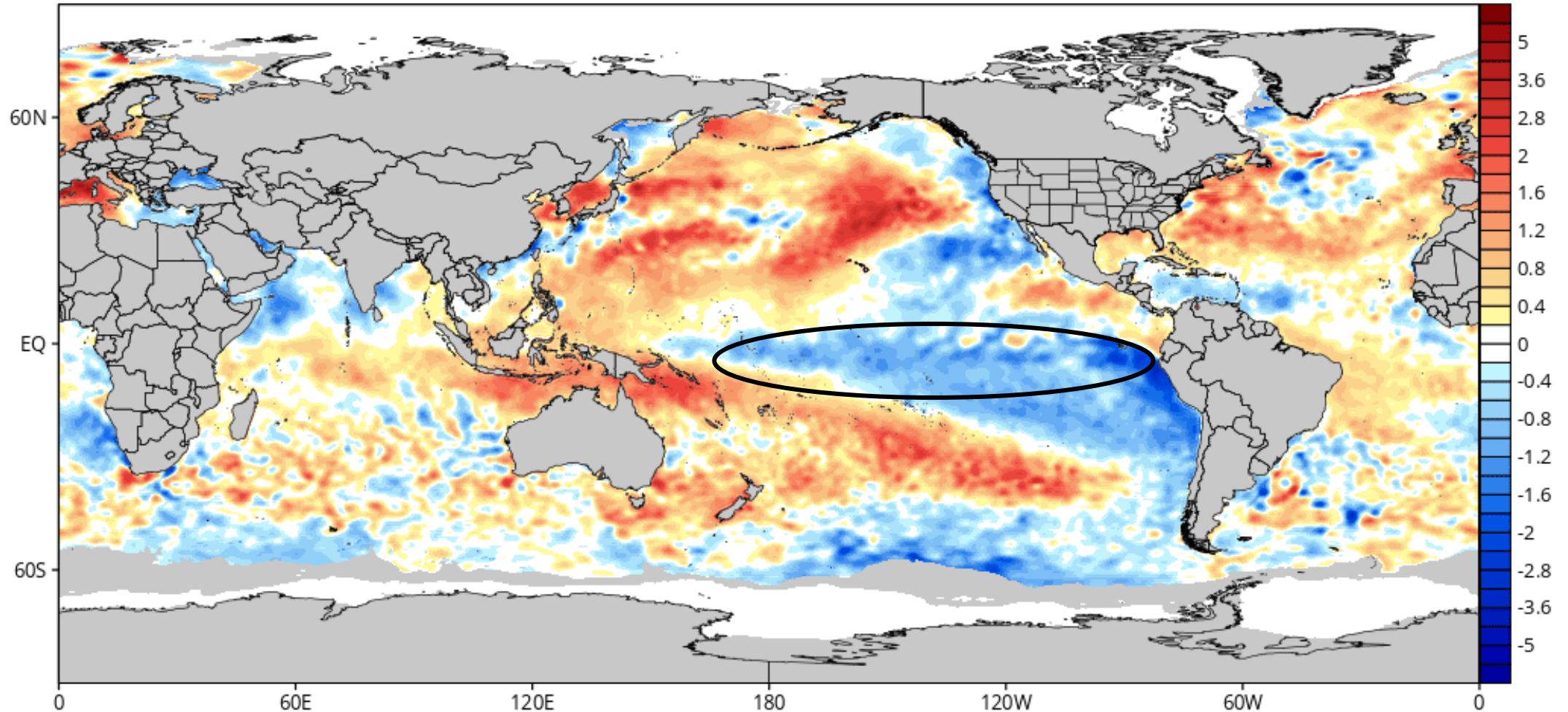
May 17, 2011

May 2022 – A Moderate La Niña Continues in Place

CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)

Analysis Time: 12z May 24 2022

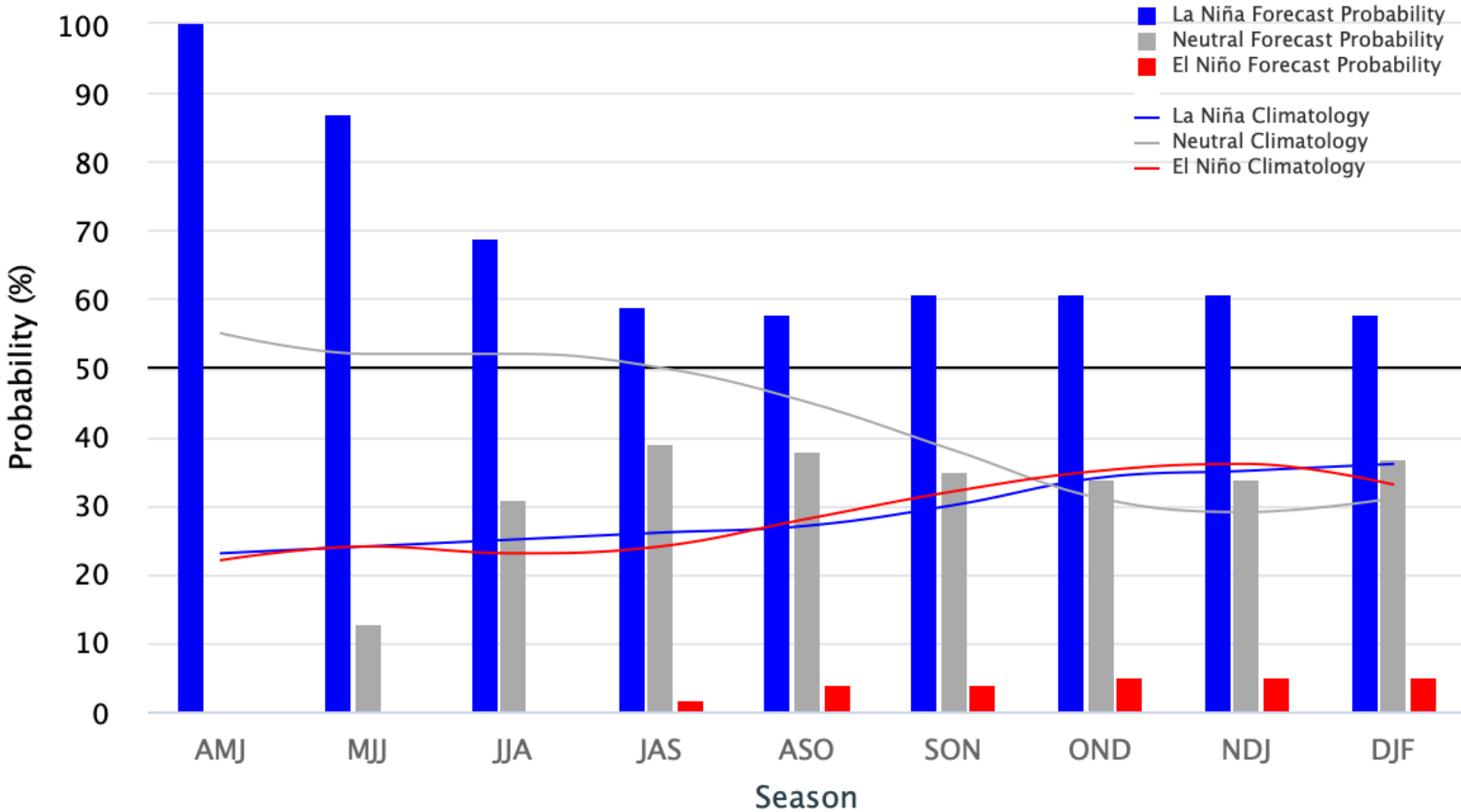
TROPICALTIDBITS.COM



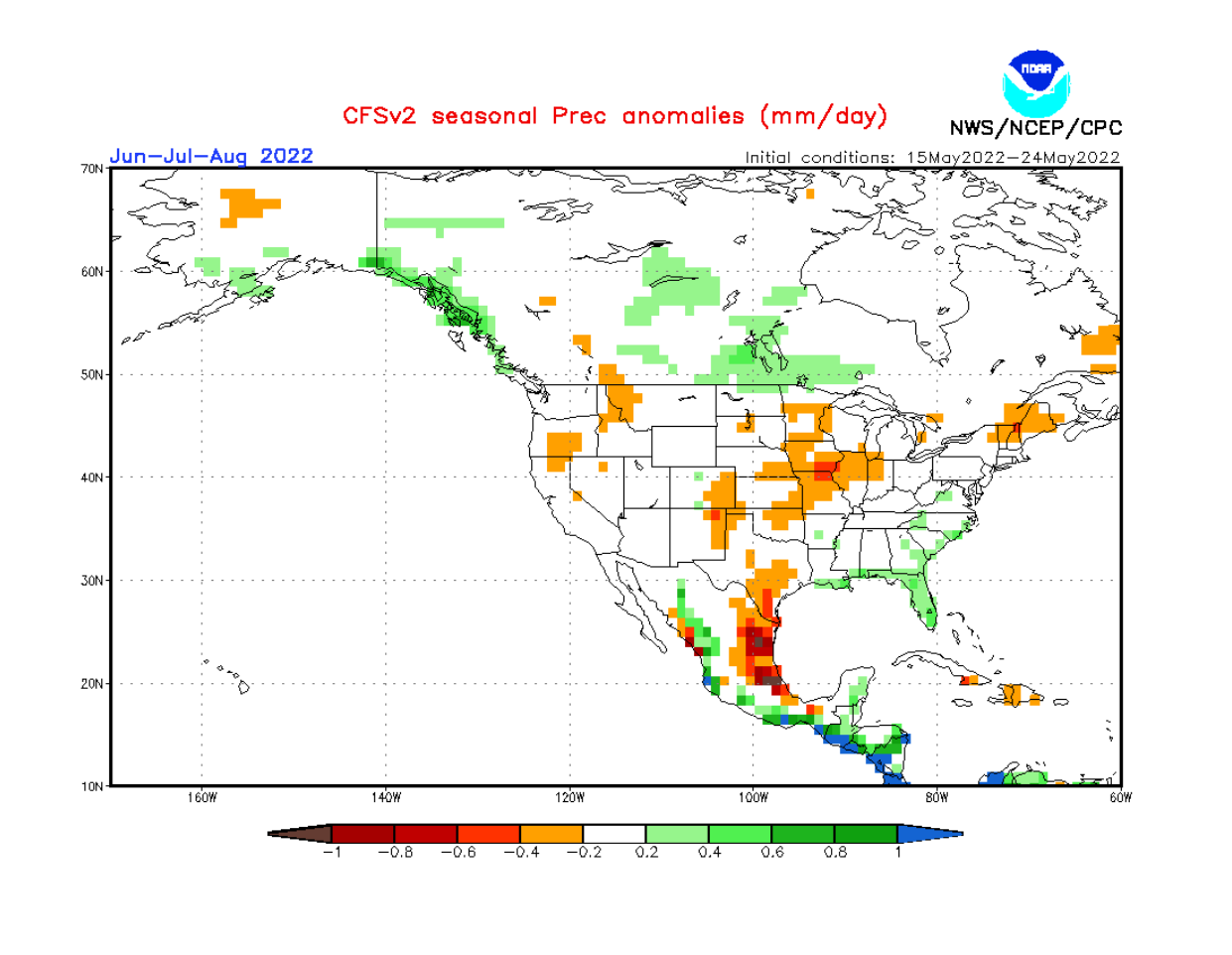
Odds Favor La Niña Persisting Through Summer and Fall

Early-May 2022 CPC/IRI Official Probabilistic ENSO Forecasts

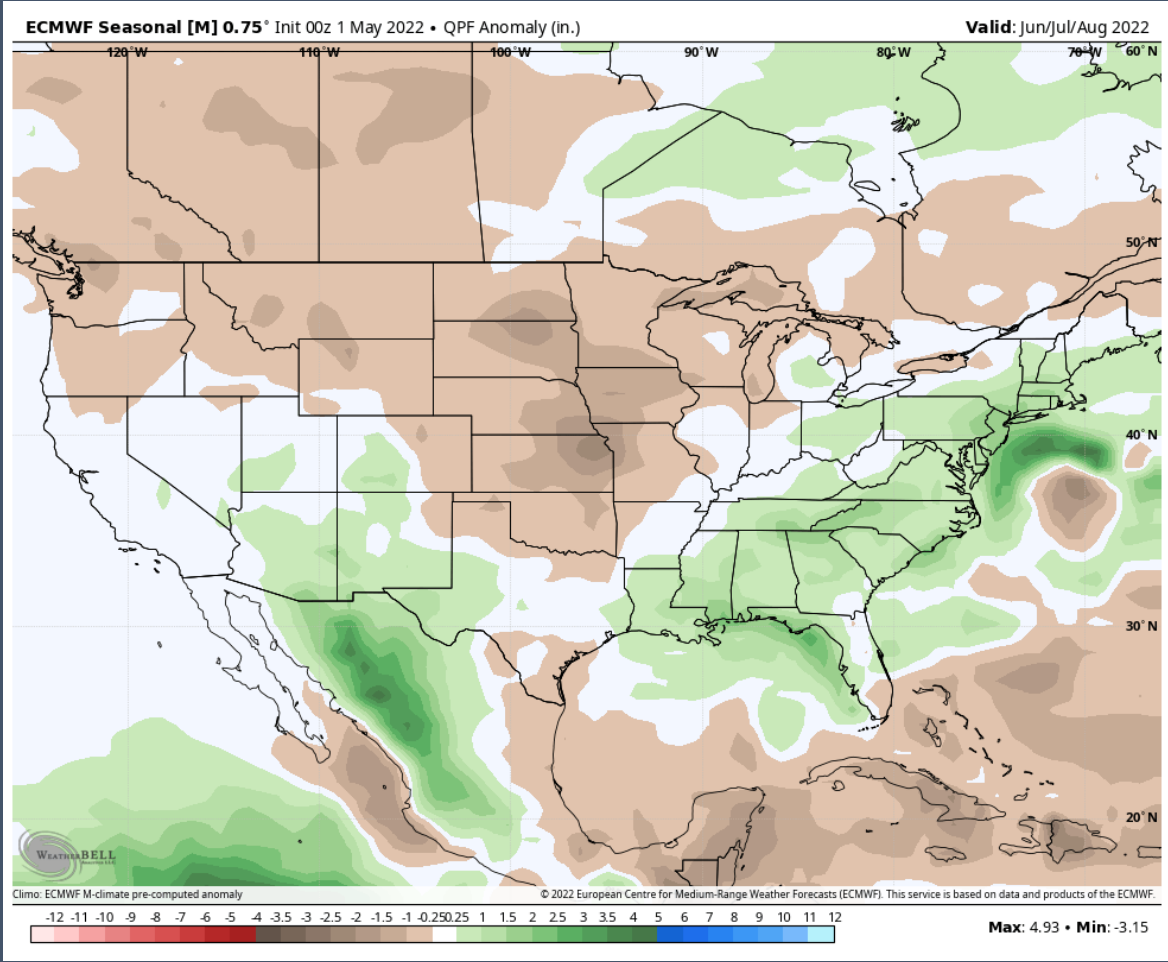
ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: -0.5 °C to 0.5 °C



Forecast Model Rainfall Outlook for June-July-August

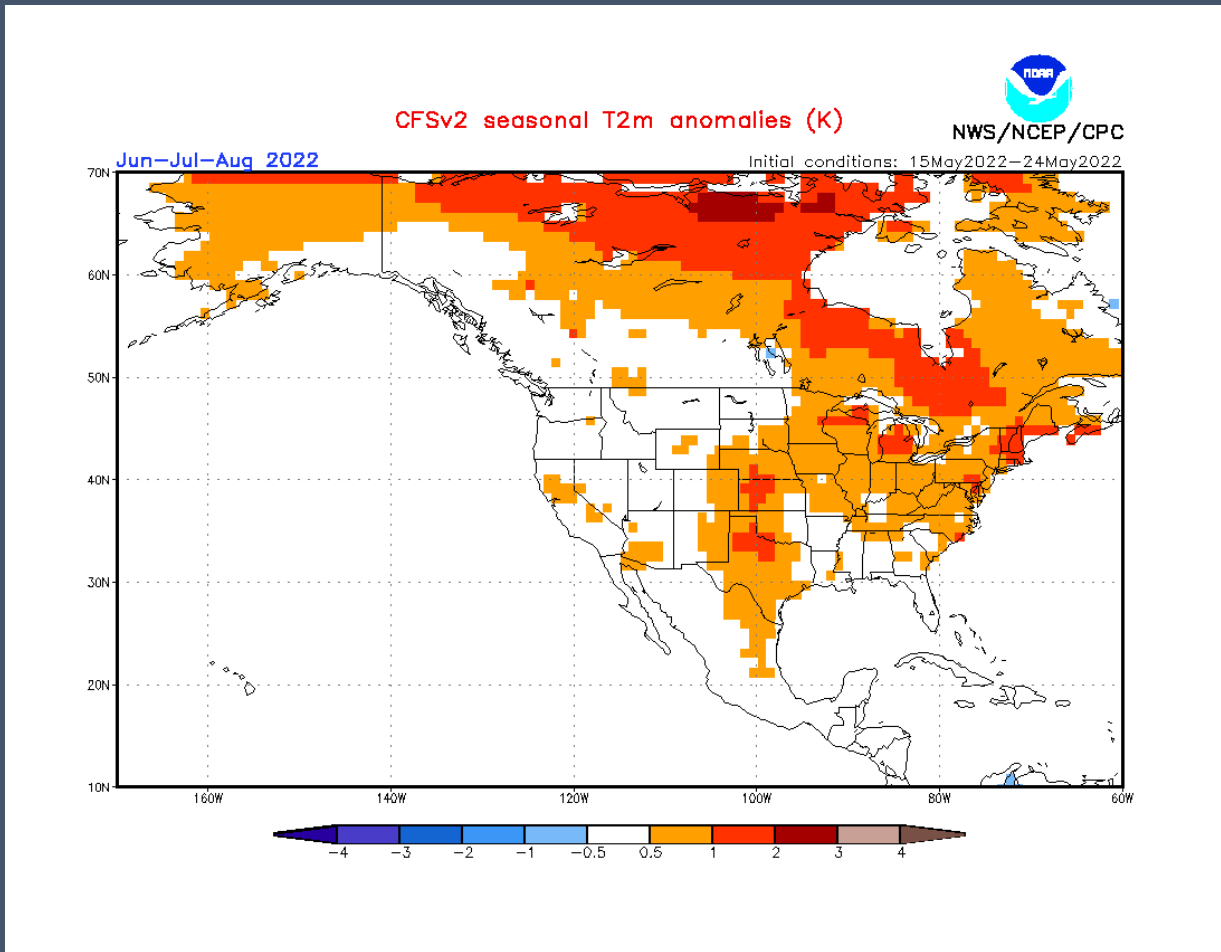


CFSv2

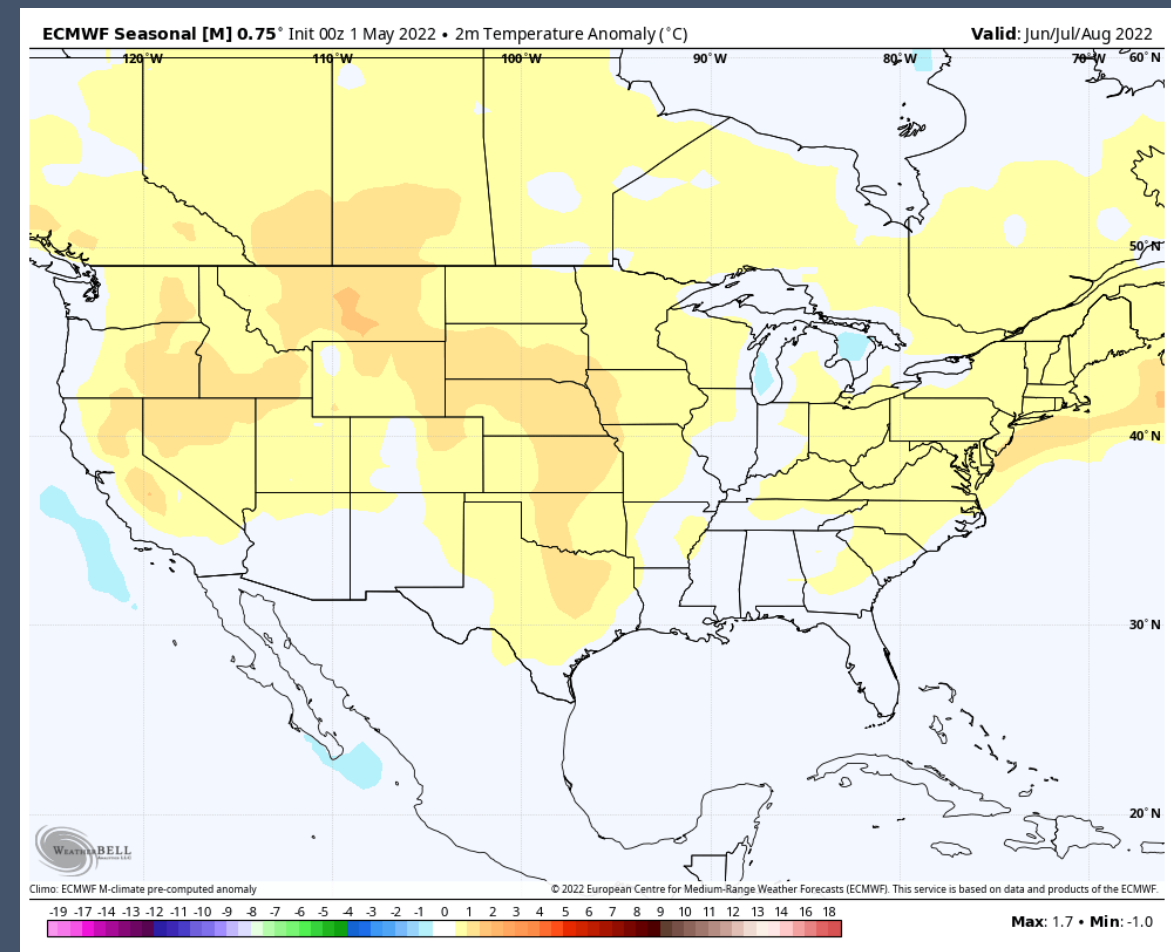


ECMWF

Forecast Model Temperature Outlook for June-July-August



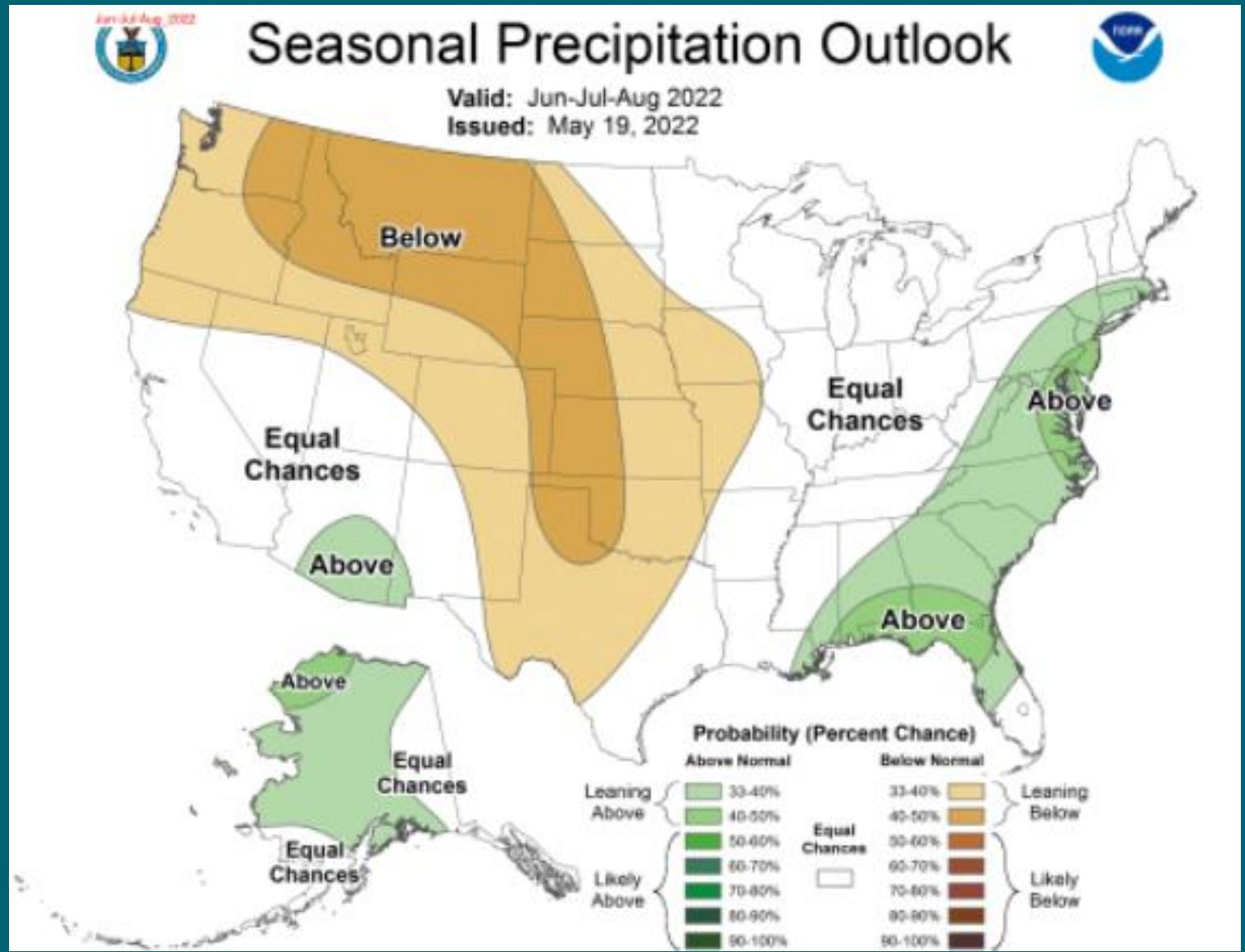
CFSv2



ECMWF

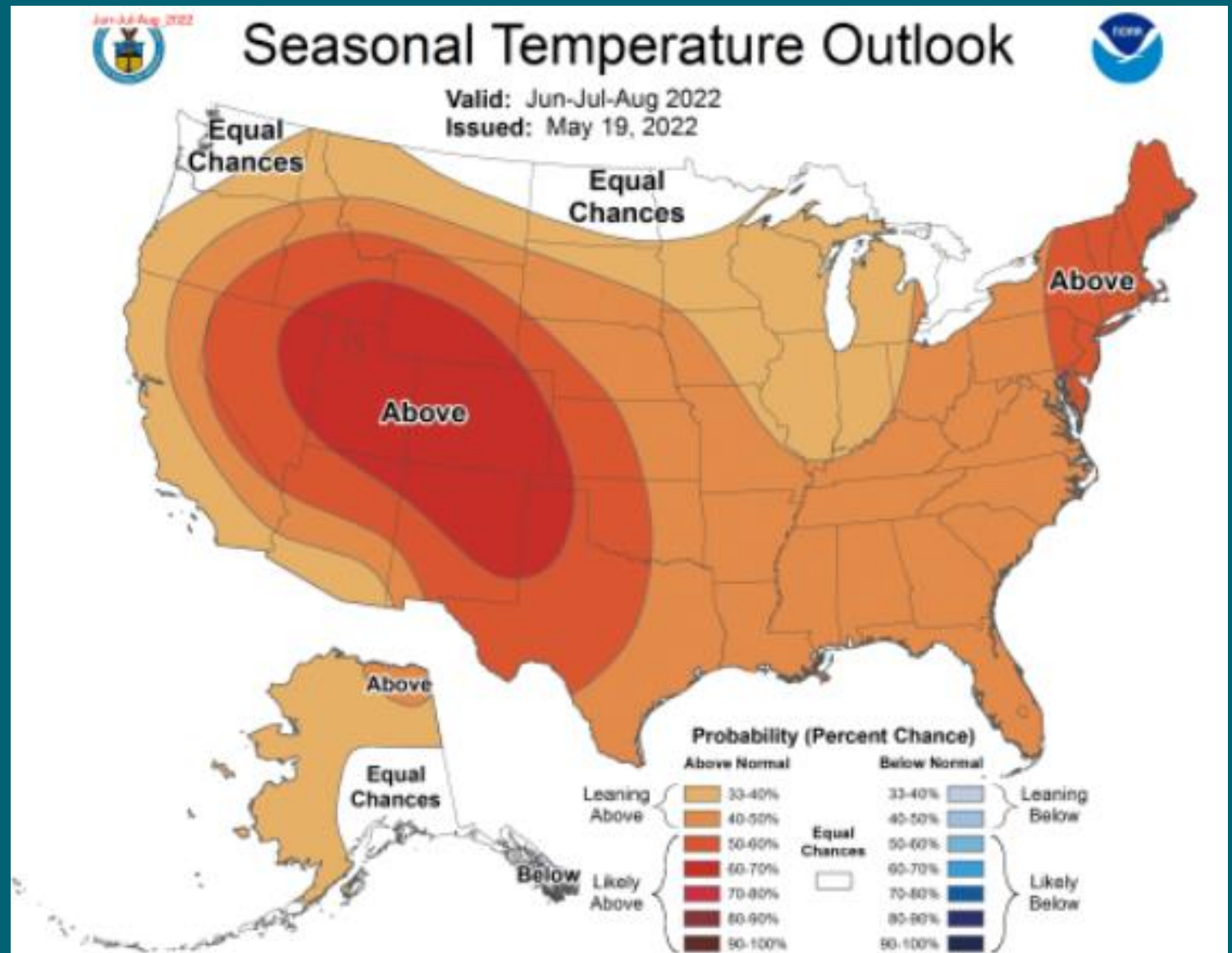
Climate Prediction Center's Rainfall Outlook

June-July-August



Climate Prediction Center's Temperature Outlook

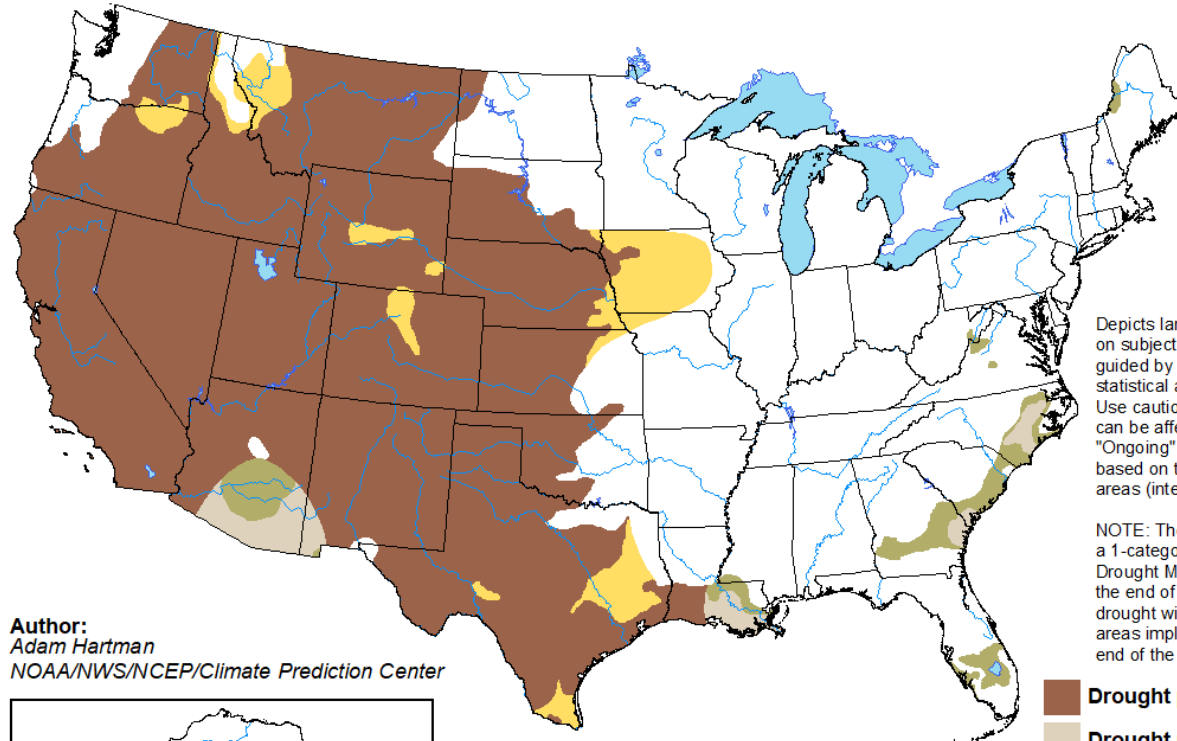
June-July-August



NWS Seasonal Drought Outlook Through August

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

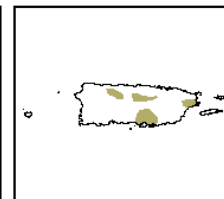
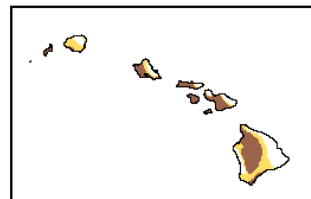
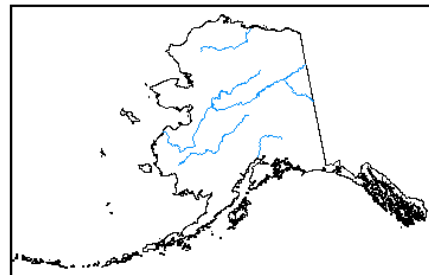
Valid for May 19 - August 31, 2022
Released May 19



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

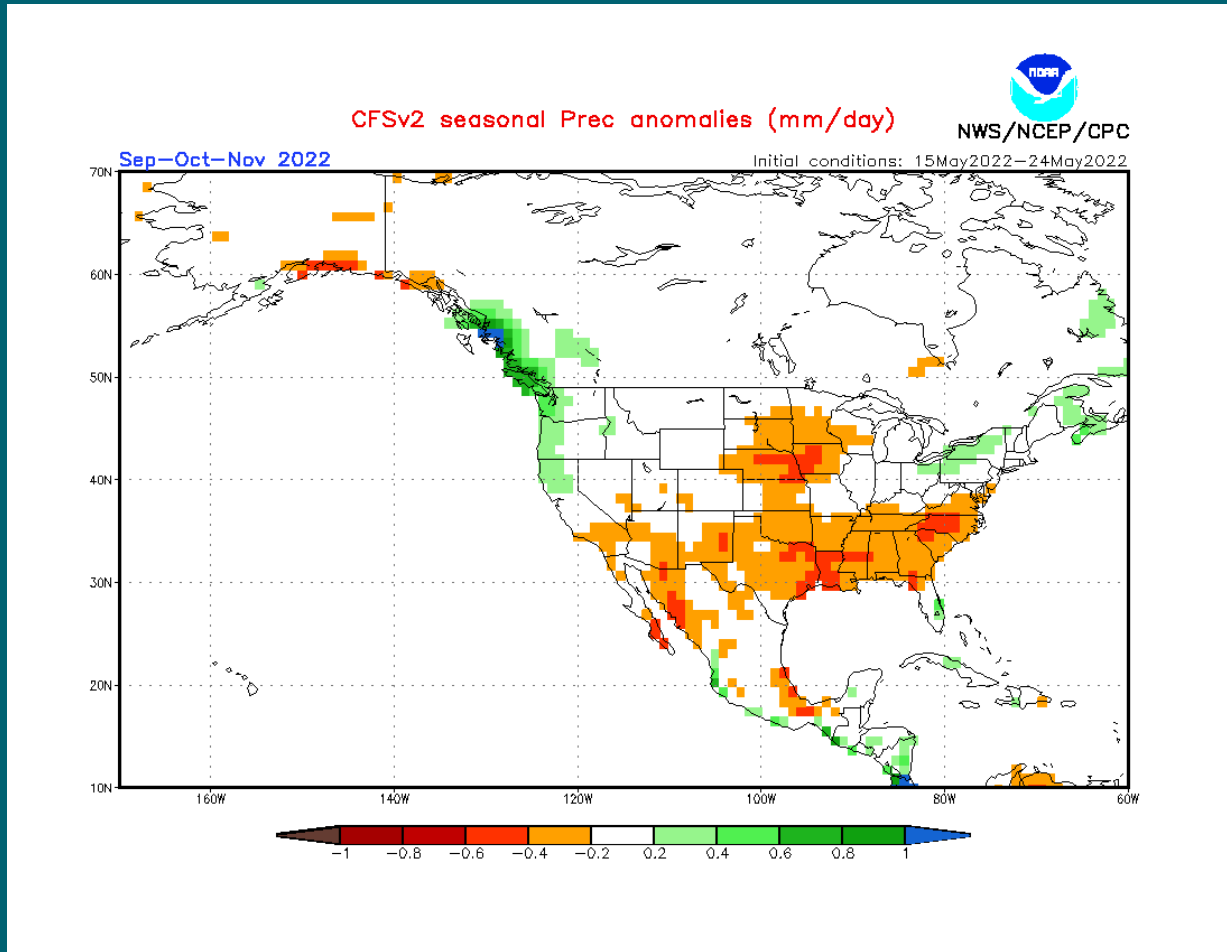


- Drought persists**
- Drought remains but improves**
- Drought removal likely**
- Drought development likely**

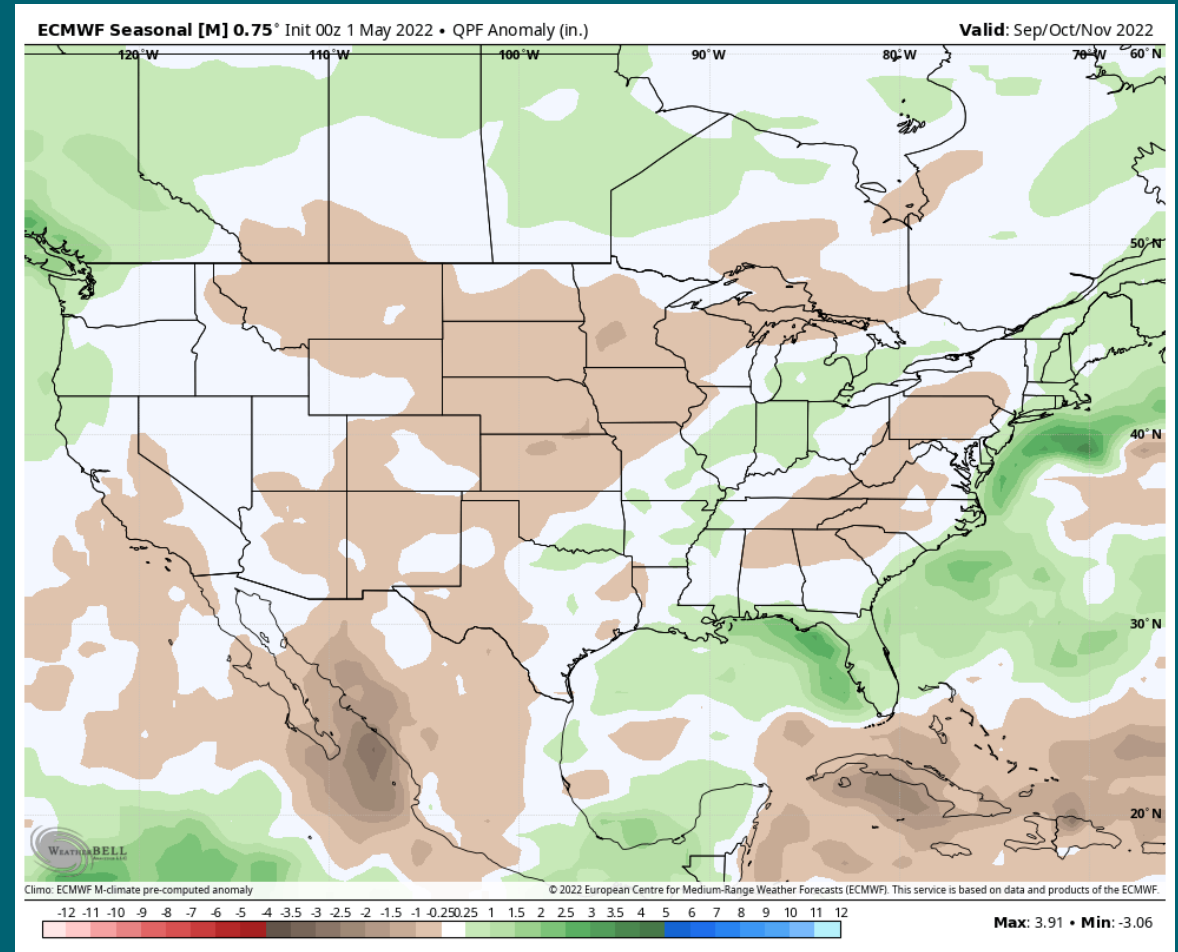


<http://go.usa.gov/3eZ73>

Forecast Model Rain Outlook for September-October-November

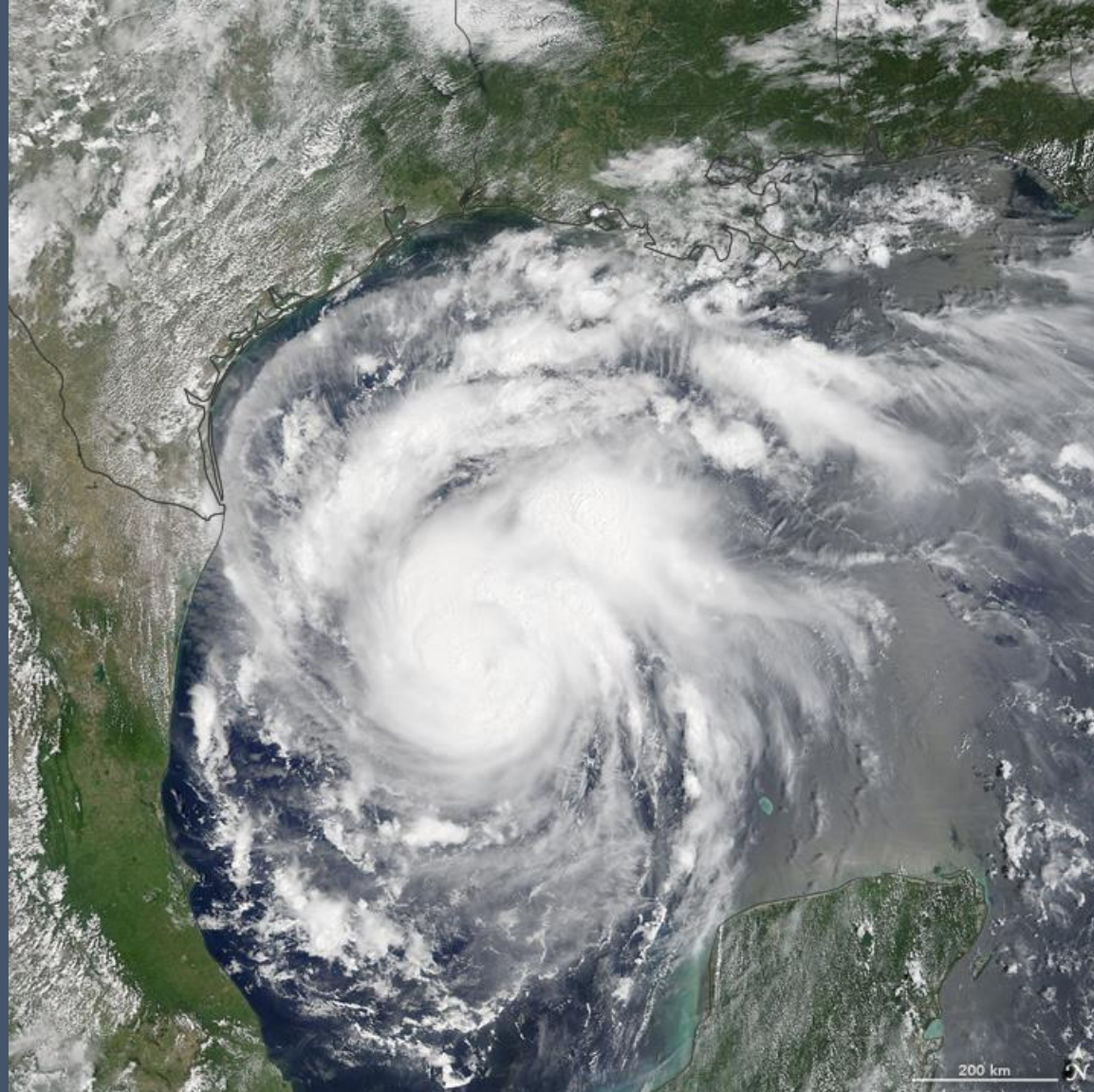


CFSV2

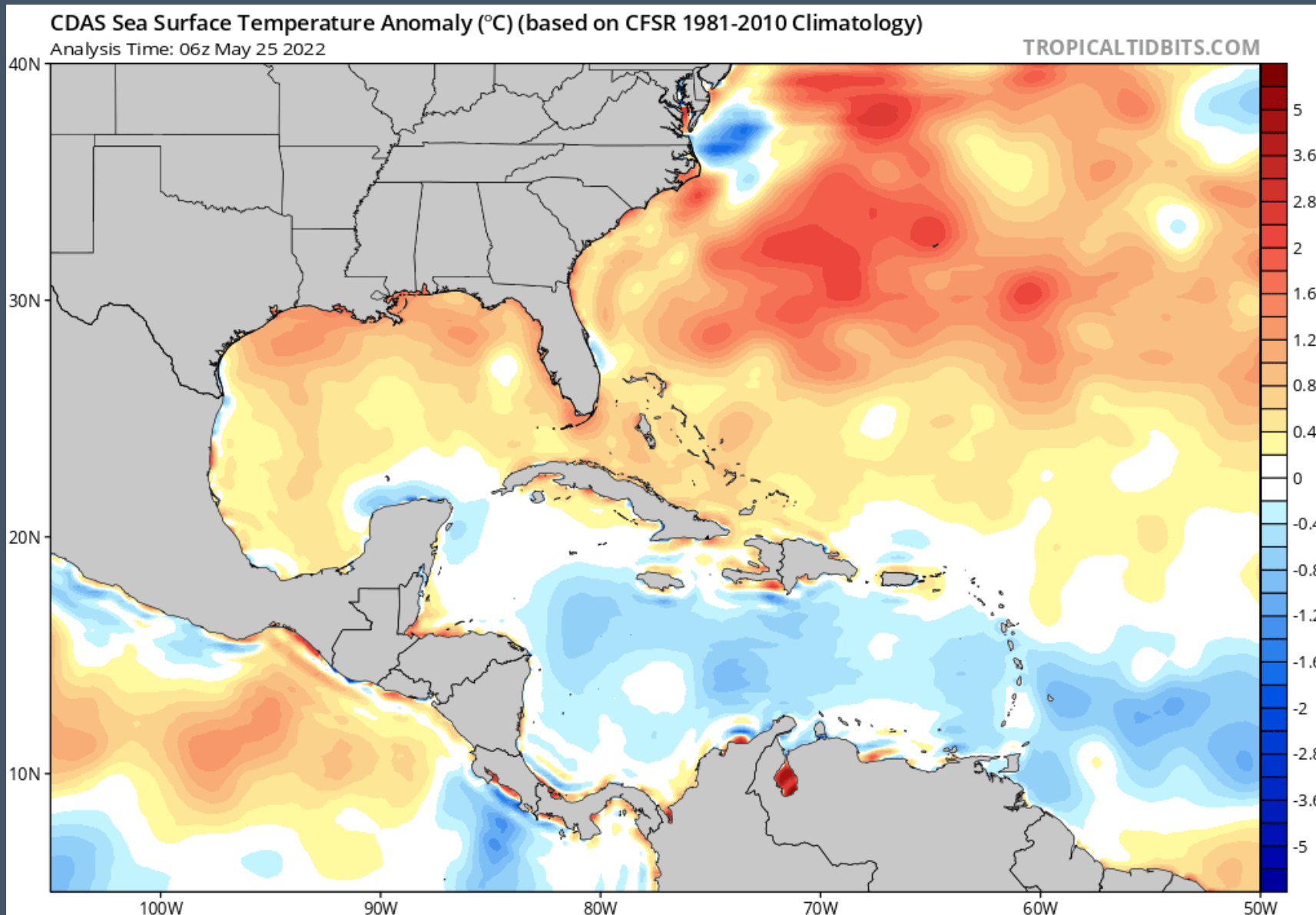


ECMWF

Hurricane Season 2022

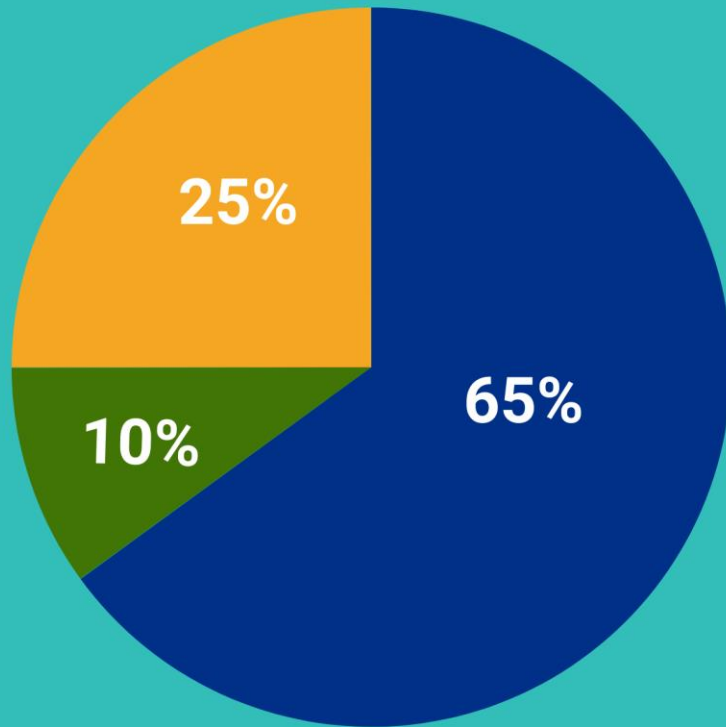


Gulf Waters Warmer Than Normal





2022 Atlantic Hurricane Season Outlook



■ Above-normal ■ Near-normal ■ Below-normal season

Season probability

Named storms
14-21

Hurricanes
6-10

Major hurricanes
3-6



2022 Atlantic Tropical Cyclone Names

Alex
Bonnie
Colin
Danielle
Earl
Fiona
Gaston

Hermine
Ian
Julia
Karl
Lisa
Martin
Nicole

Owen
Paula
Richard
Shary
Tobias
Virginie
Walter

Names provided by the World Meteorological Organization

Summer Weather Outlook

- **Temperatures are forecast to average between 1 and 3 degrees above normal May through August**
- **Below-normal rainfall is forecast June through August**
- **Drought conditions are forecast to worsen through the summer months**
- **An active hurricane season could potentially provide some relief from drought and heat**
- **Not a rerun of 2011, but an extreme summer is expected**

Questions?

