

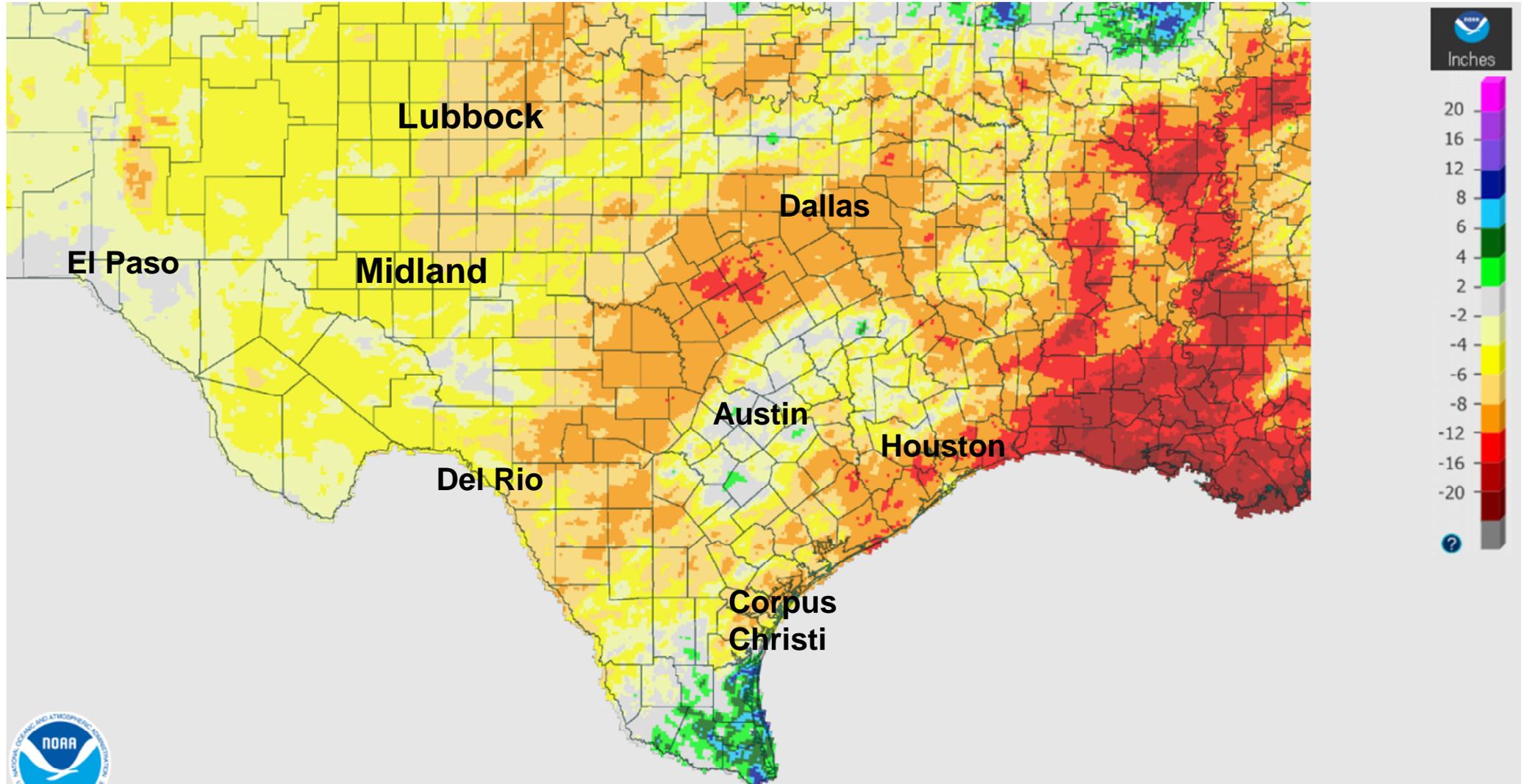
# Summer Weather Outlook

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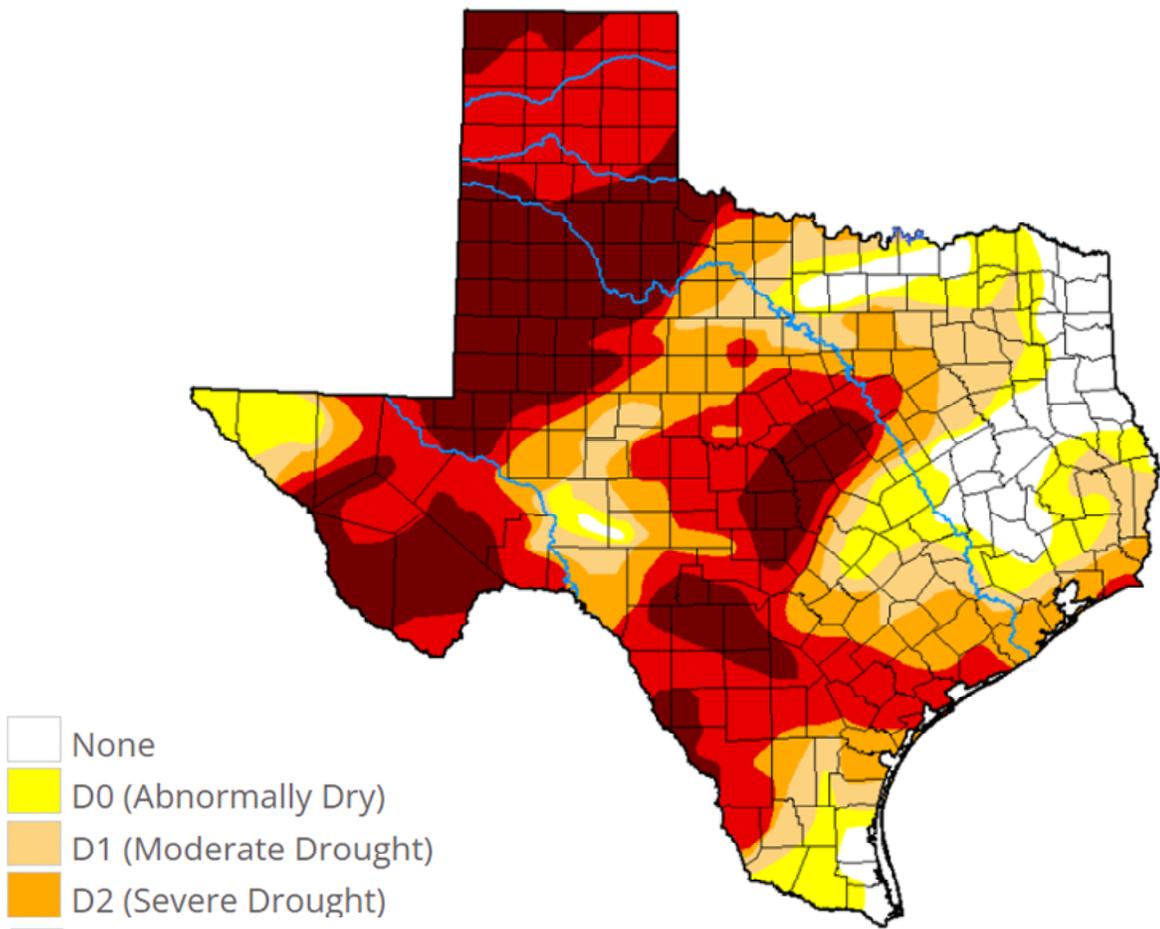
Water Operations Committee Meeting  
May 17, 2022



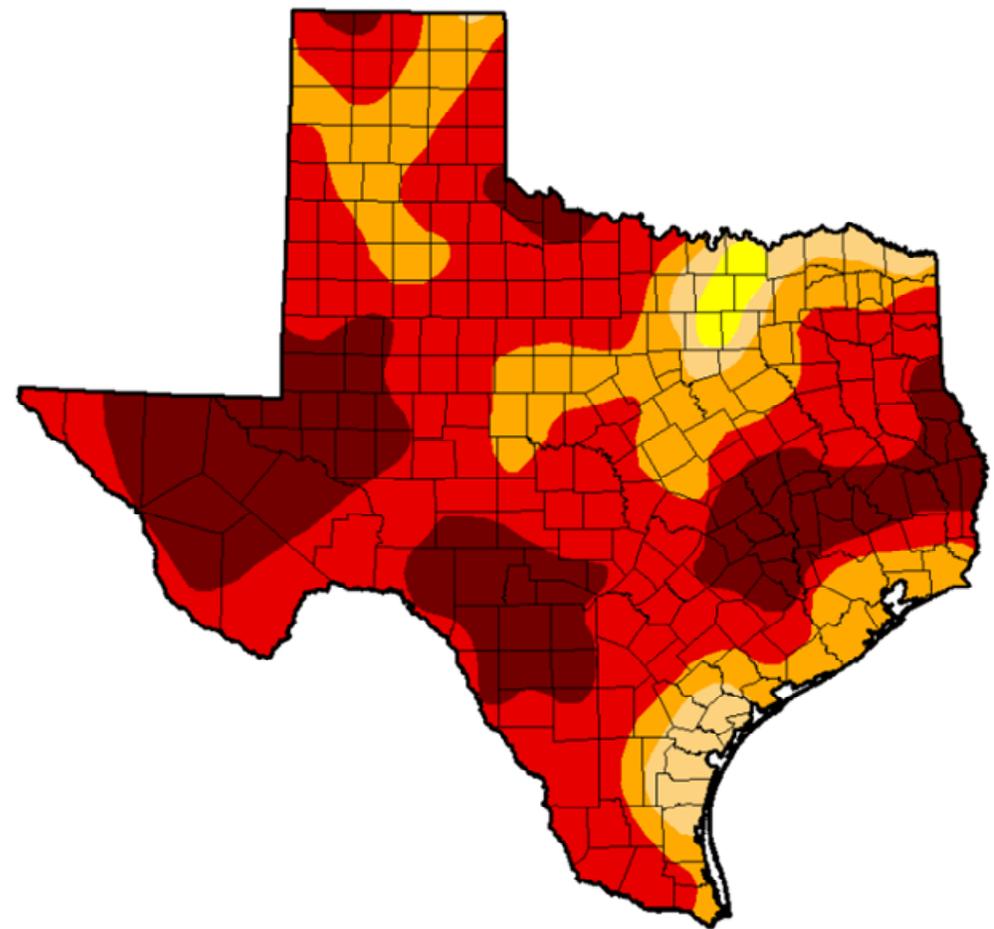
# Rainfall Departure From Normal Since Oct. 1



# May 2022 vs. May 2011 National Drought Monitor



**May 3, 2022**



**May 3, 2011**

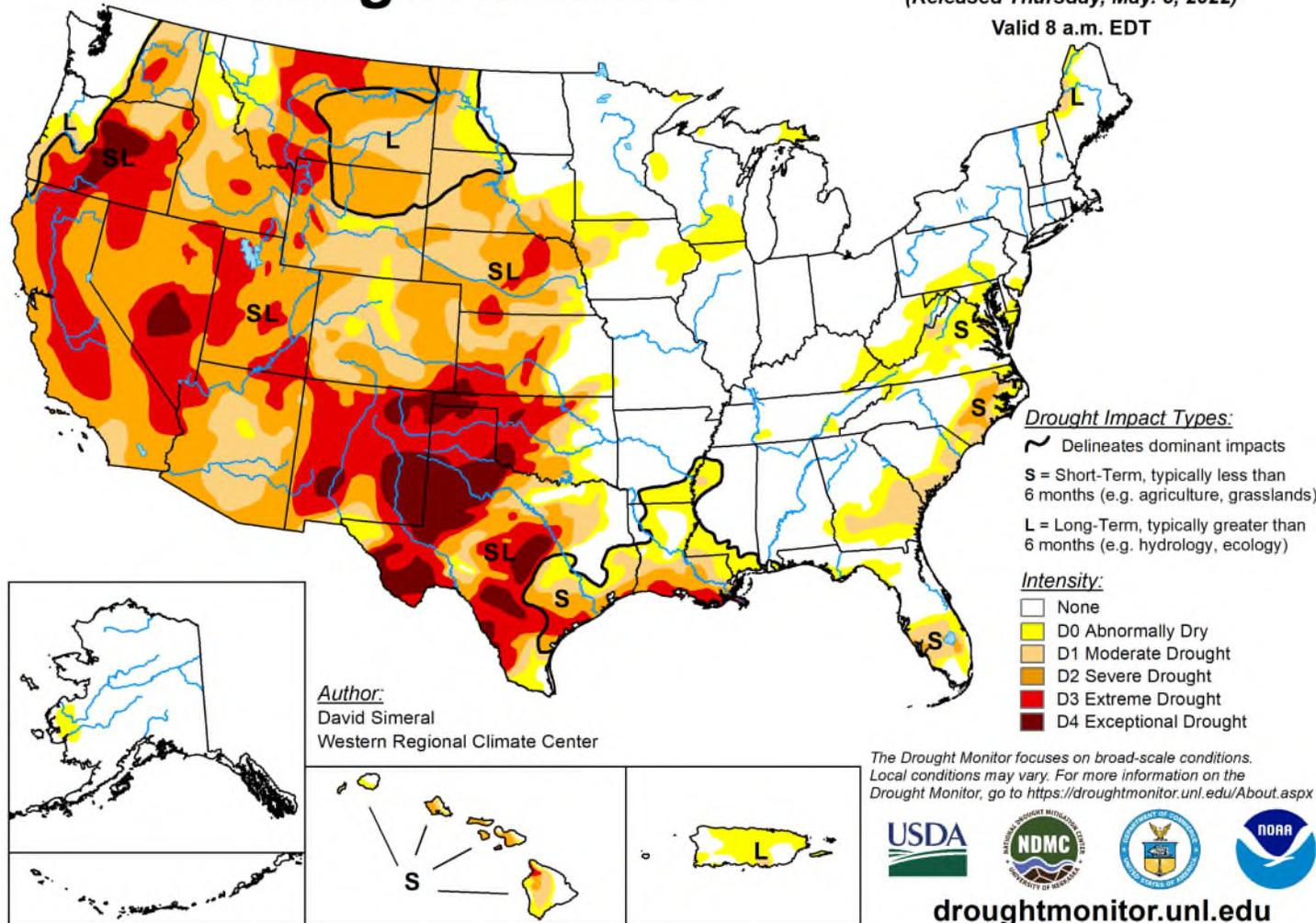
# National Drought Monitor

## U.S. Drought Monitor

May 3, 2022

(Released Thursday, May 5, 2022)

Valid 8 a.m. EDT

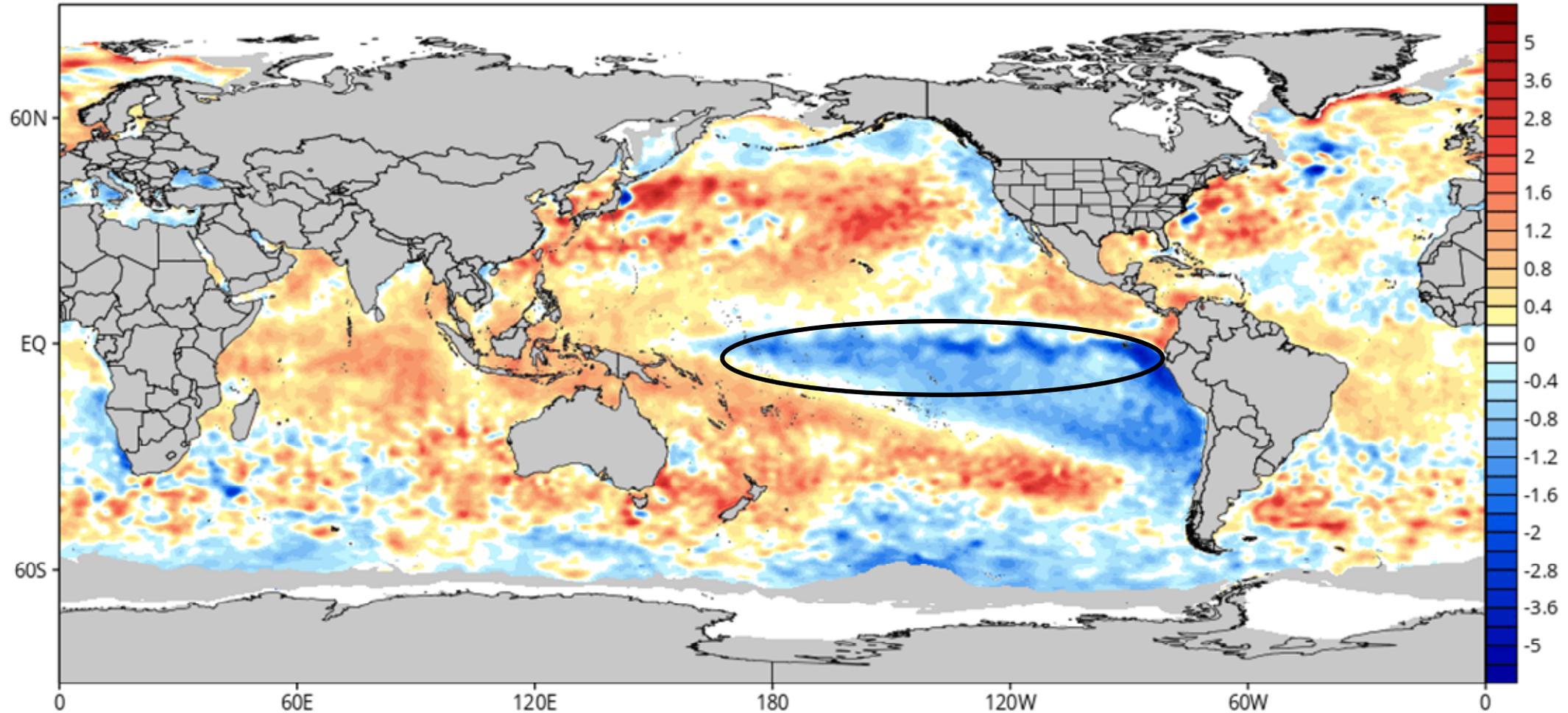


# May 2022 – A Moderate La Niña Continues in Place

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

Analysis Time: 12z Apr 25 2022

TROPICALTIDBITS.COM

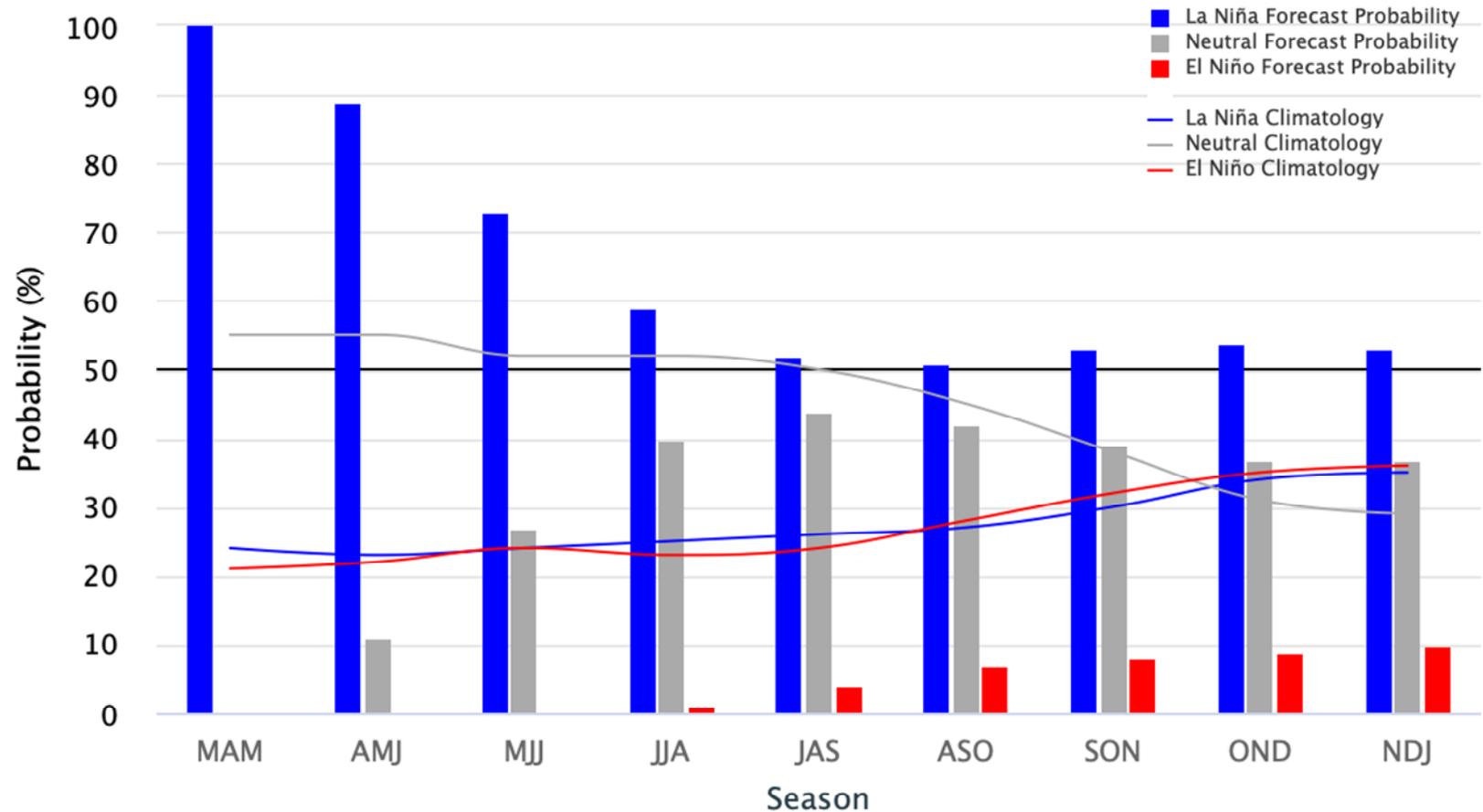


# Odds Favor La Niña Persisting Through Summer and Fall

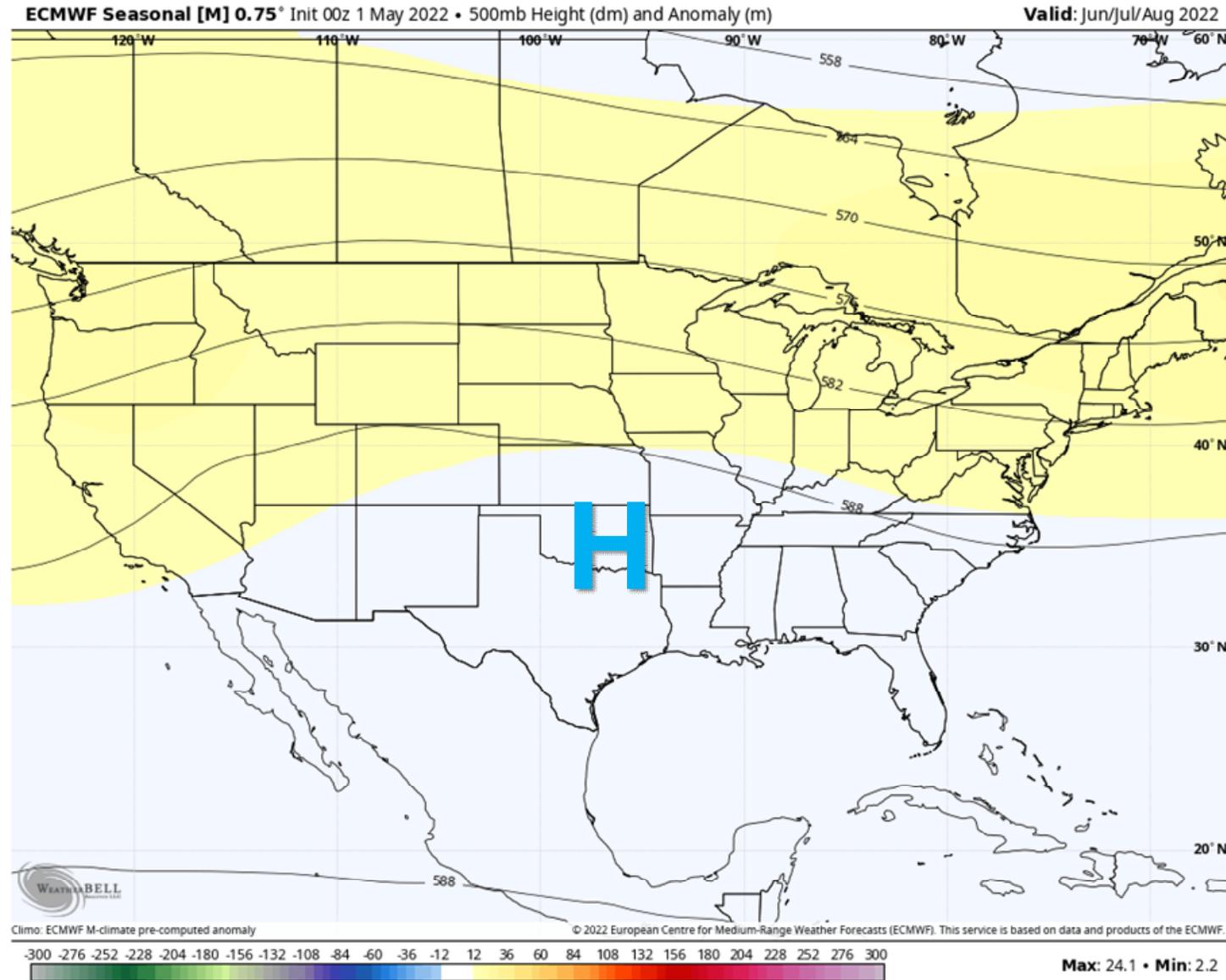
Early-April 2022 CPC/IRI Official Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly

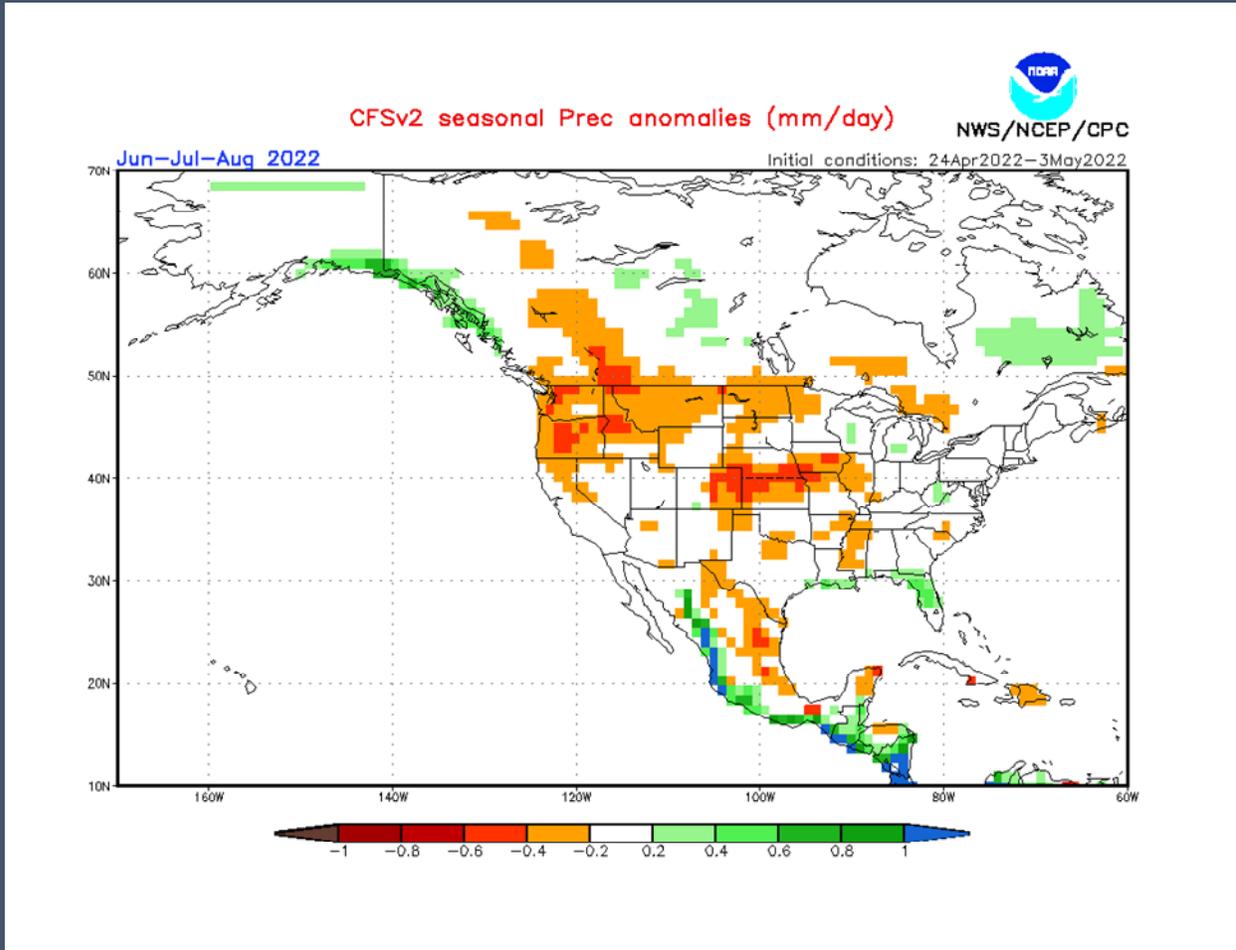
Neutral ENSO:  $-0.5\text{ }^{\circ}\text{C}$  to  $0.5\text{ }^{\circ}\text{C}$



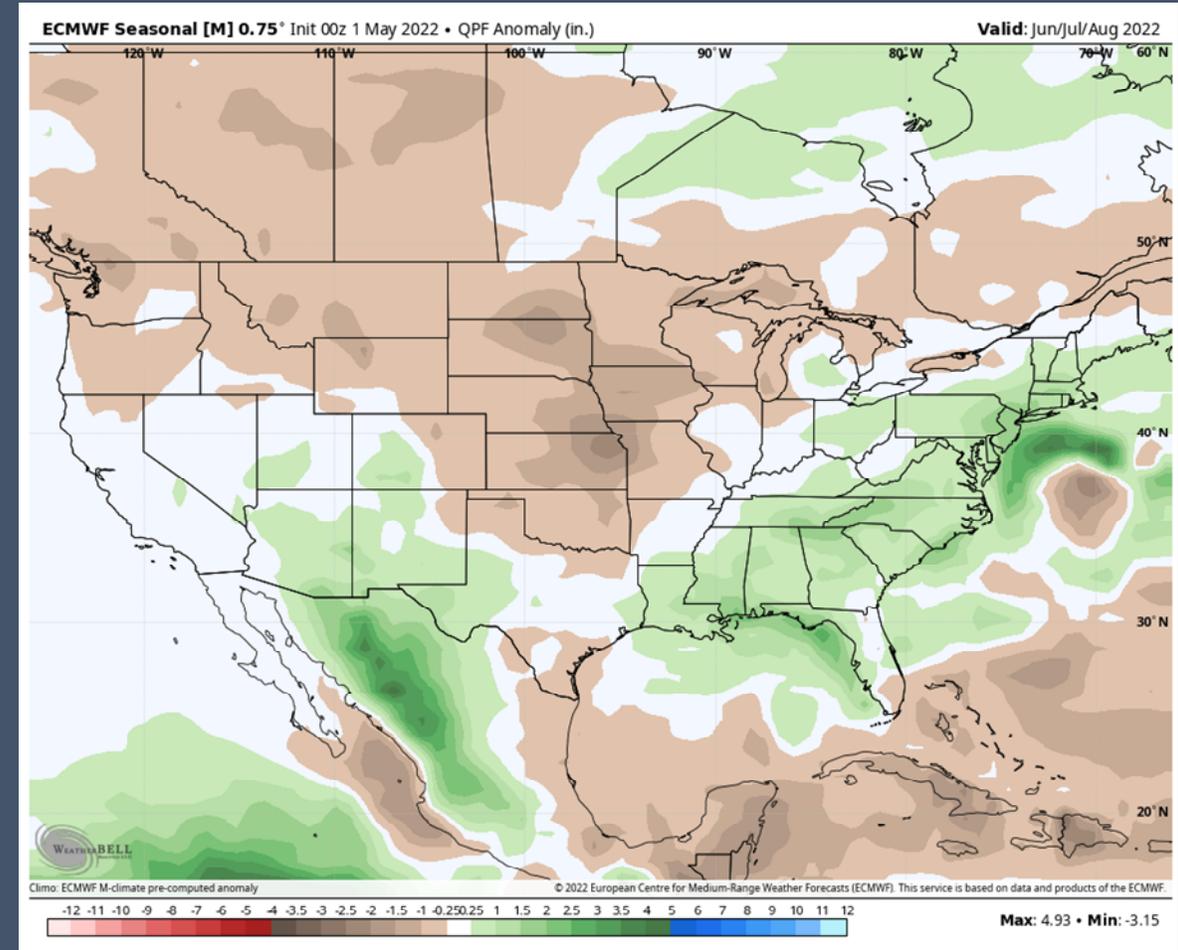
# Forecast Position for Summer Heat Ridge



# Forecast Model Rainfall Outlook for June-July-August

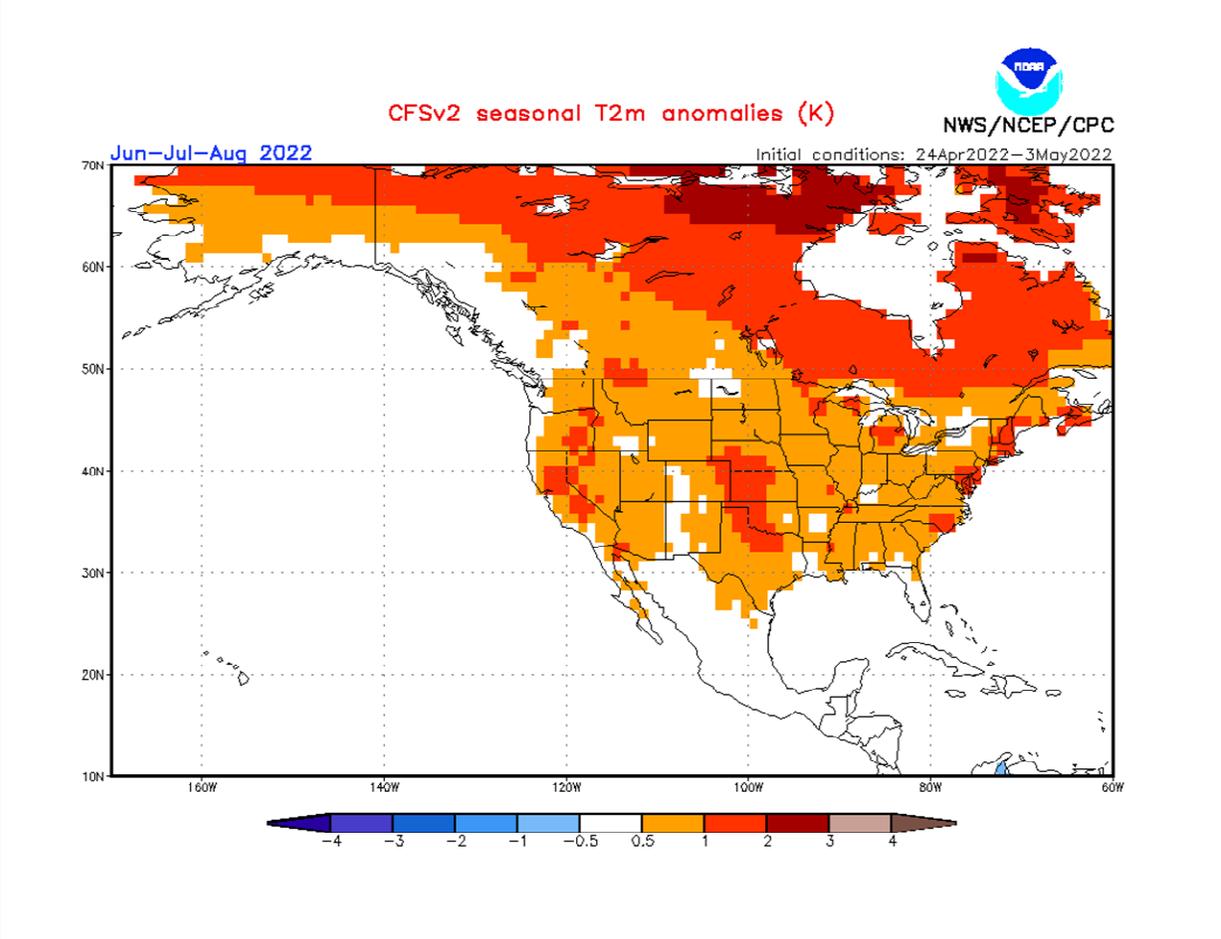


CFSv2

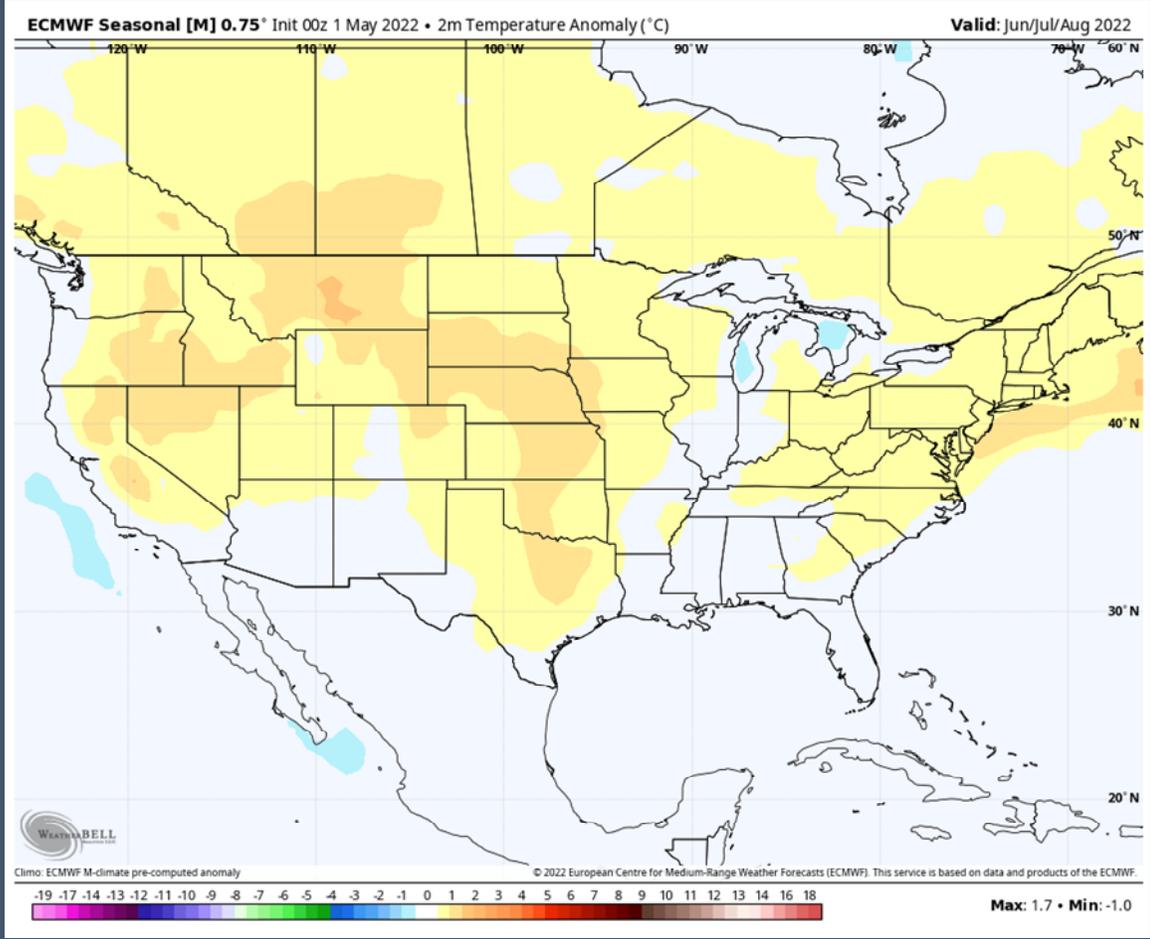


ECMWF

# Forecast Model Temperature Outlook for June-July-August



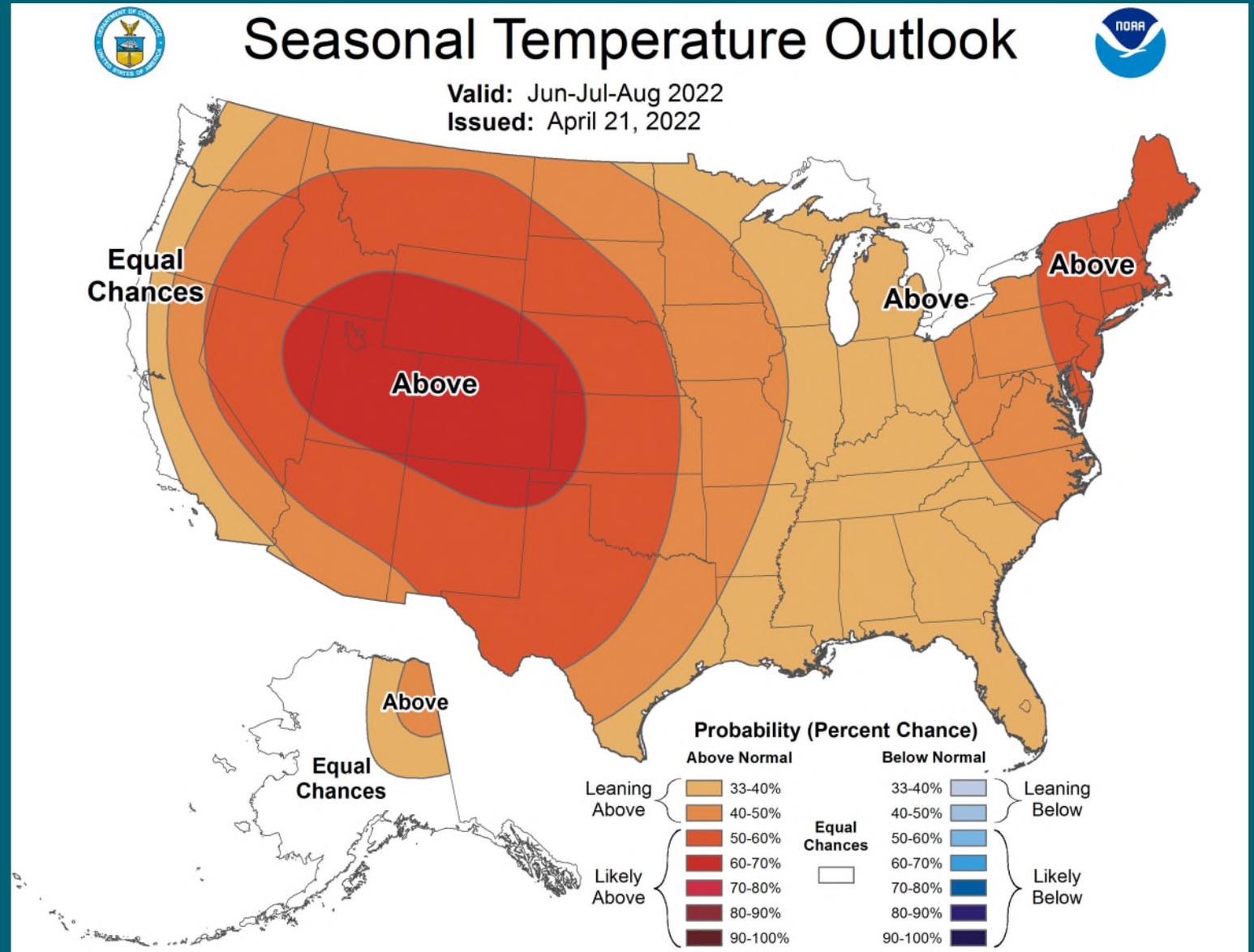
CFSv2



ECMWF

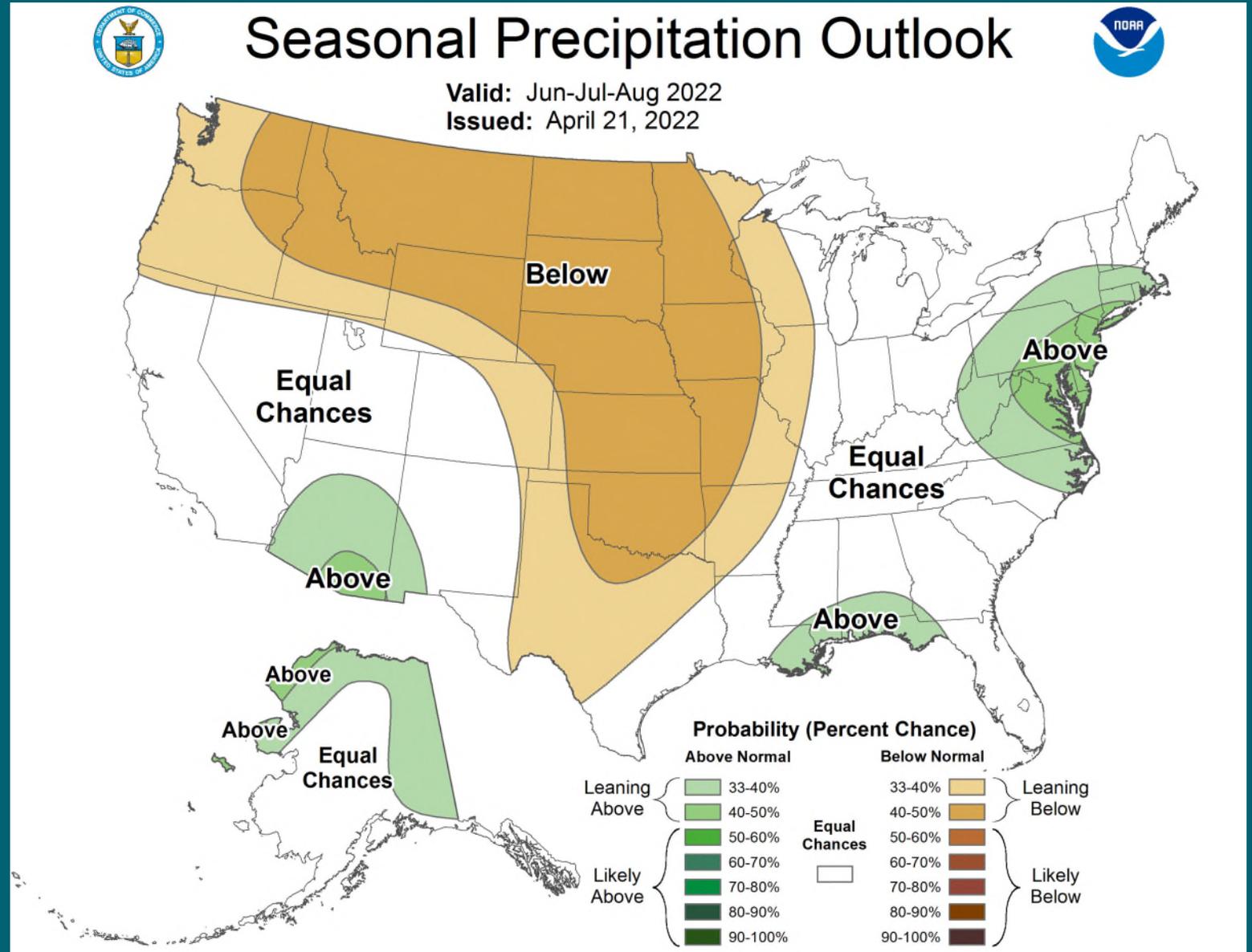
# Climate Prediction Center's Temperature Outlook

## June-July-August



# Climate Prediction Center's Rainfall Outlook

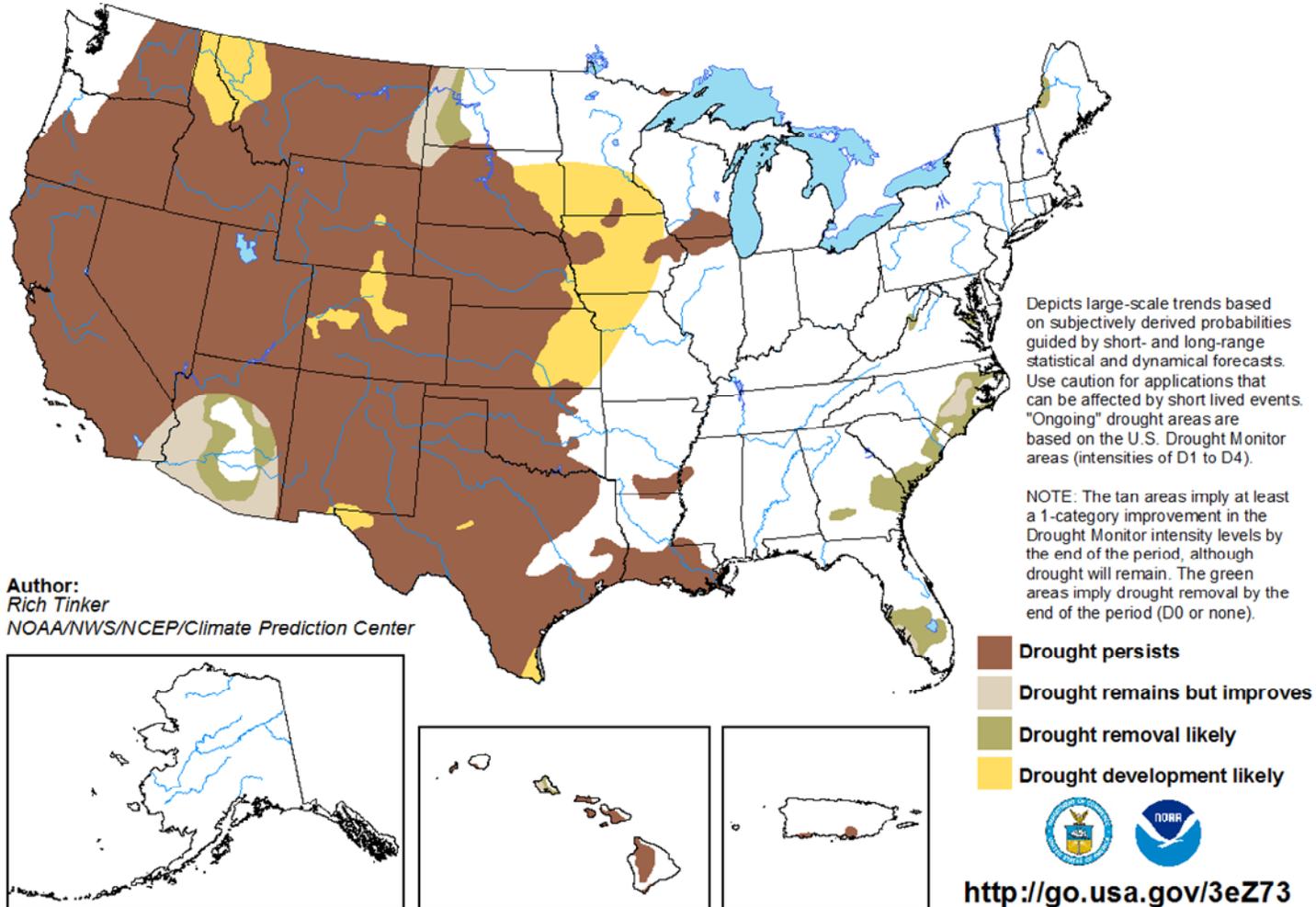
## June-July-August



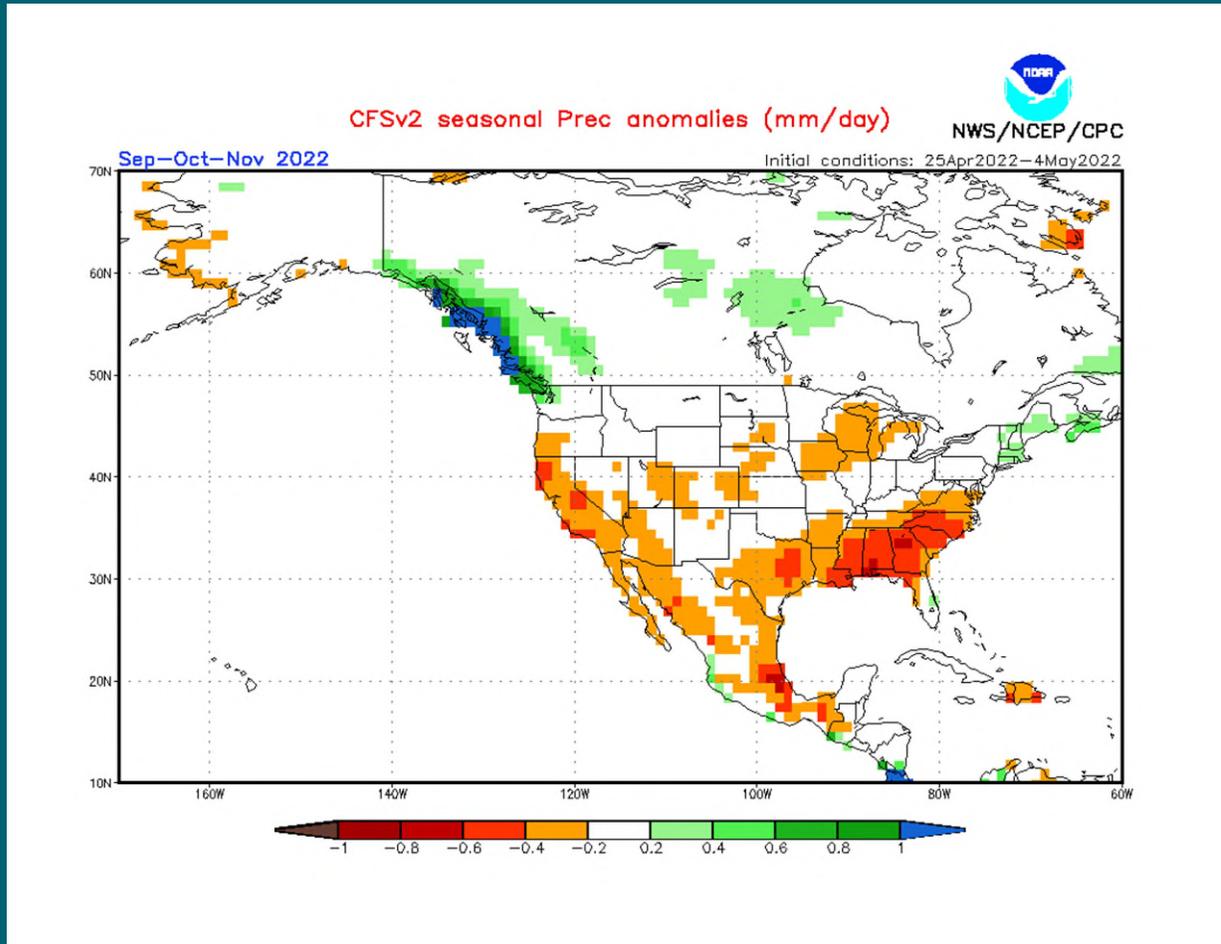
# NWS Seasonal Drought Outlook Through July

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

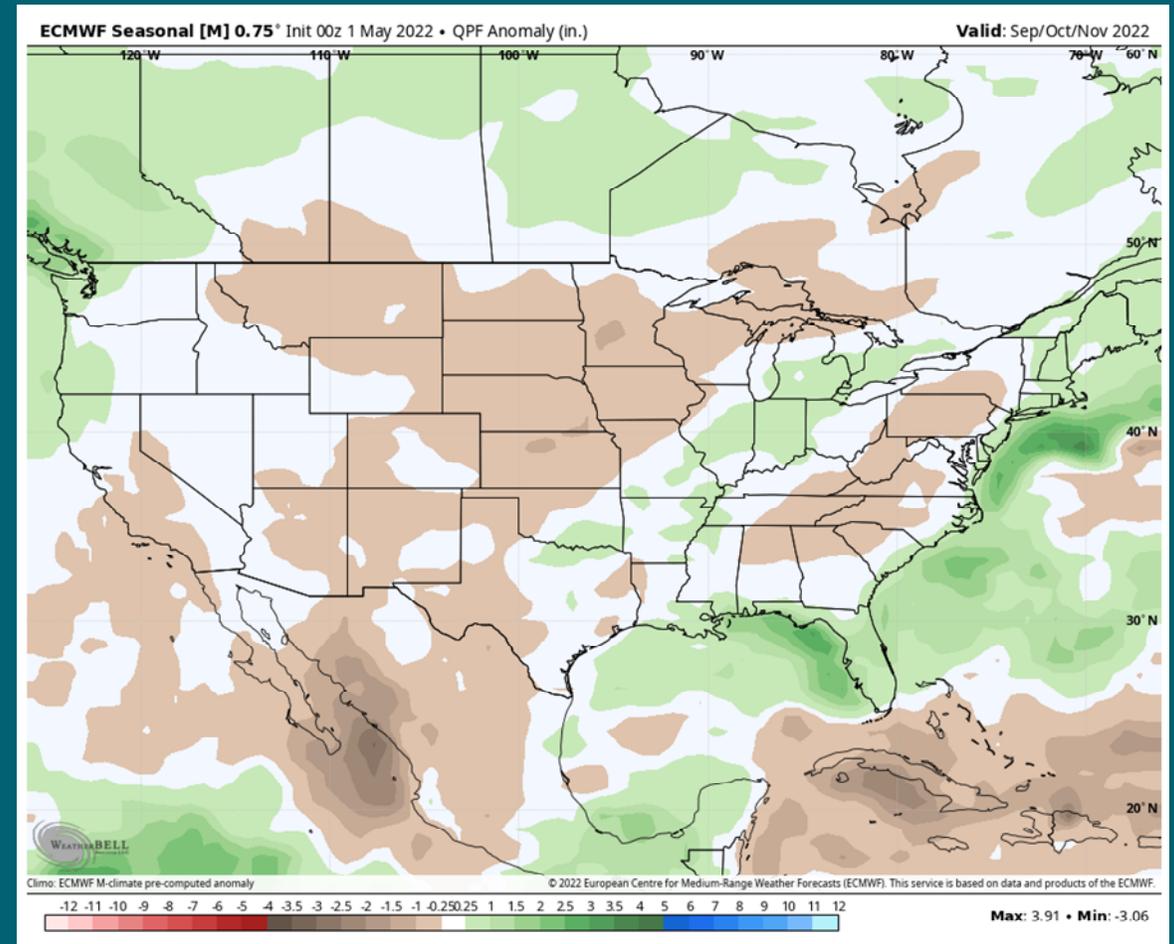
Valid for April 21 - July 31, 2022  
Released April 21



# Forecast Model Rain Outlook for September-October-November

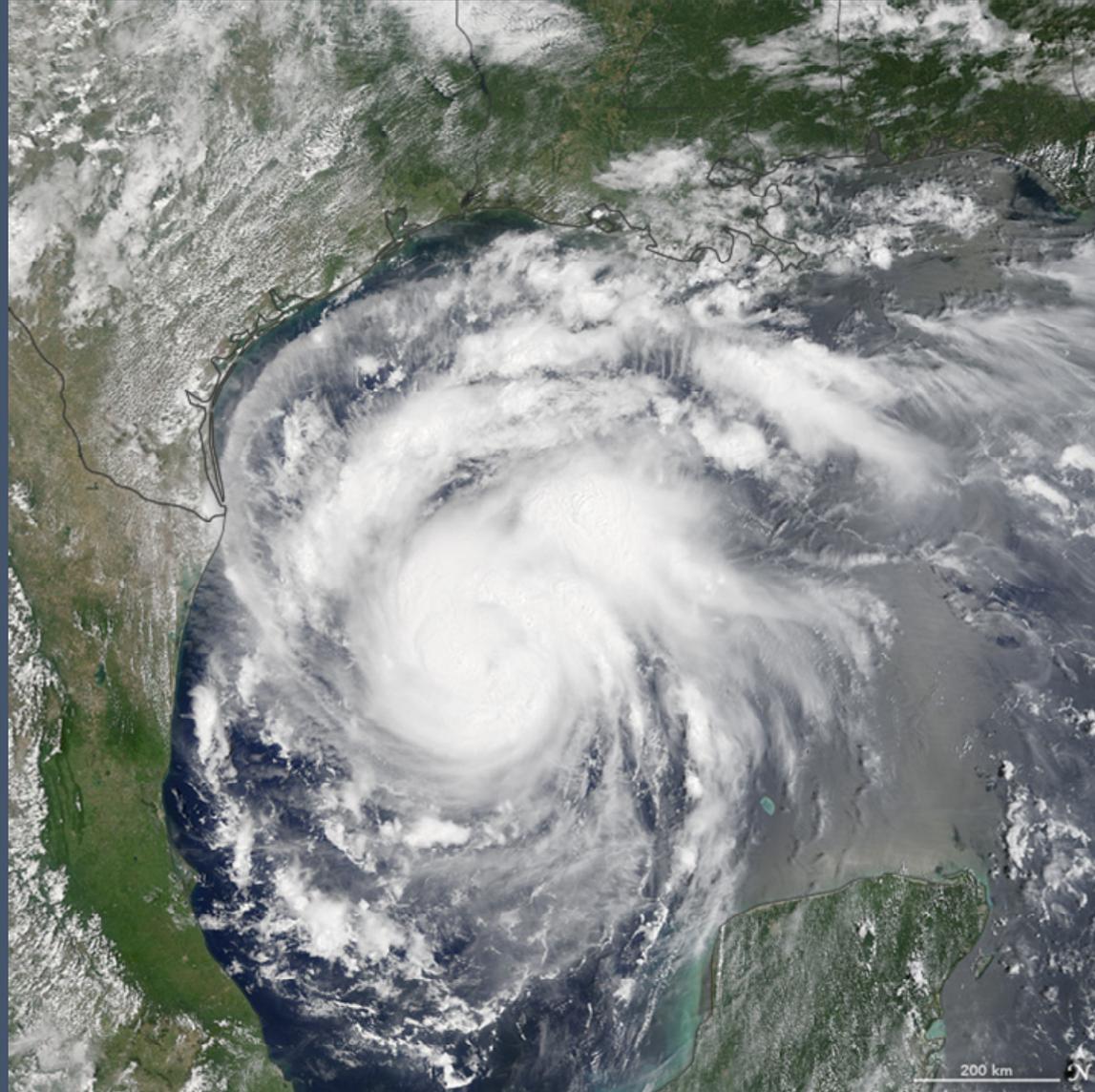


CFSV2

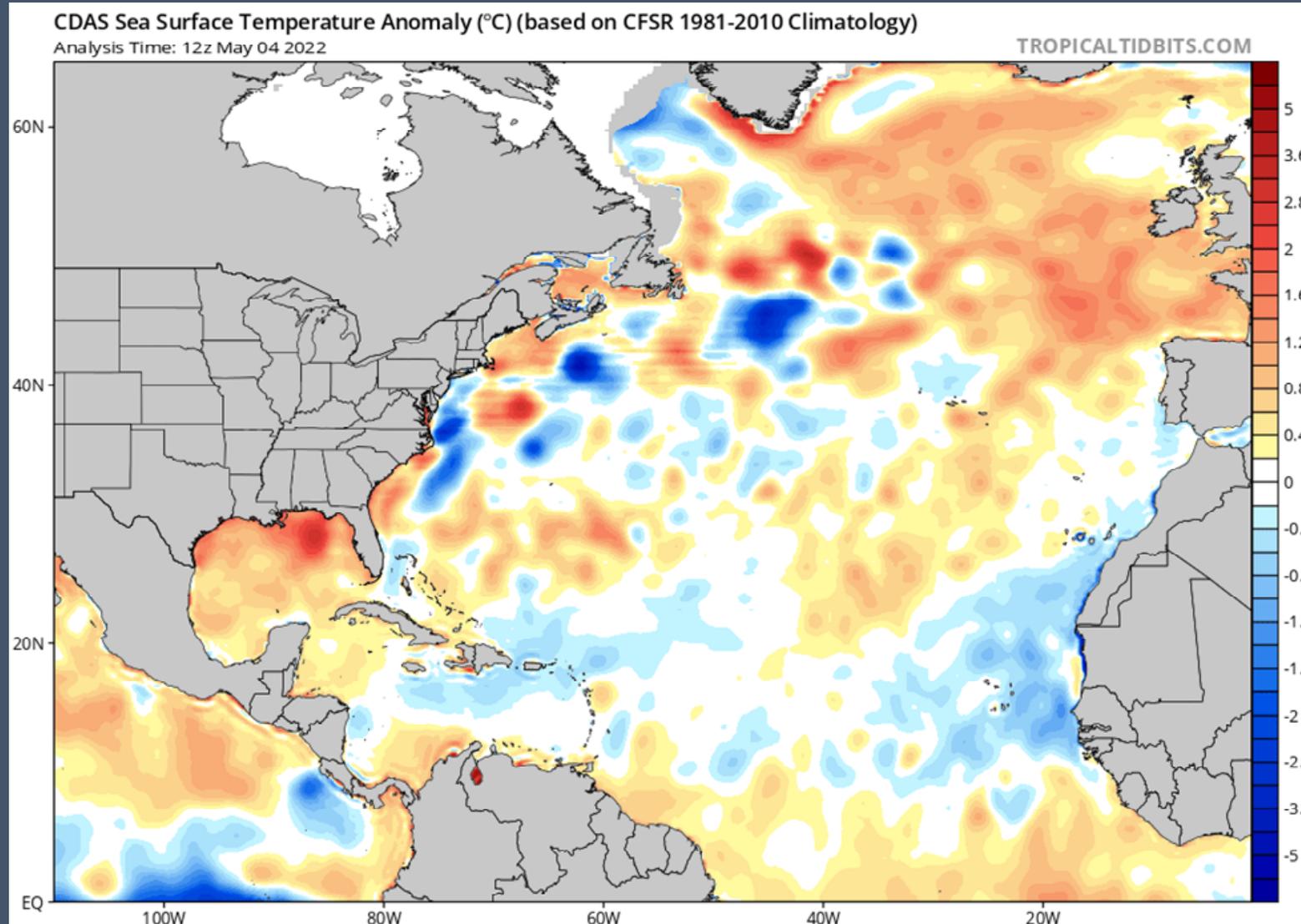


ECMWF

# Hurricane Season 2022



# Atlantic Waters Warmer Than Normal



# A Very Active Hurricane Season is Forecast

2022 FORECAST AS OF 7 APRIL 2022		
Forecast Parameter	CSU Forecast	1991–2020 Average
Named Storms (NS)	19	14.4
Named Storm Days (NSD)	90	69.4
Hurricanes (H)	9	7.2
Hurricane Days (HD)	35	27.0
Major Hurricanes (MH)	4	3.2
Major Hurricane Days (MHD)	9	7.4
Accumulated Cyclone Energy (ACE)	160	123
Net Tropical Cyclone Activity (NTC)	170	135

# Summer Weather Outlook

- **Temperatures are forecast to average between 1 and 3 degrees above normal May through August**
- **Below-normal rainfall is forecast May 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**

