

# Fall and Winter Weather Outlook

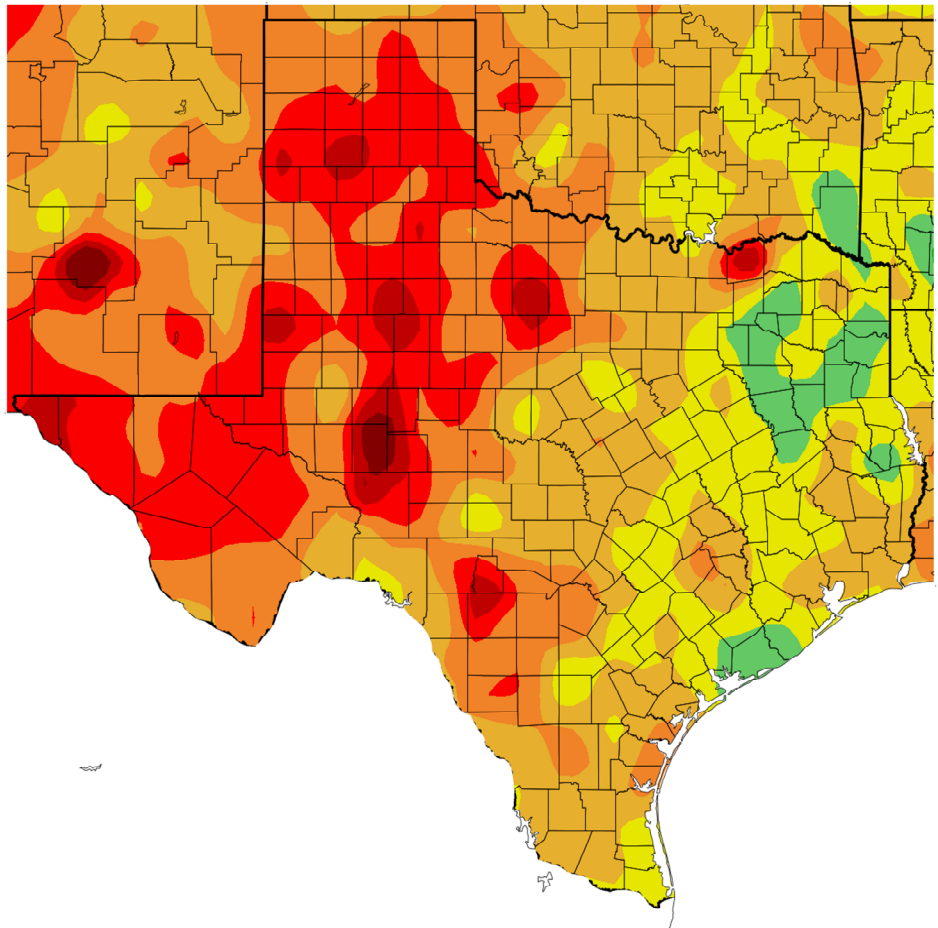
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Water Operations Committee Meeting  
Oct. 22, 2024

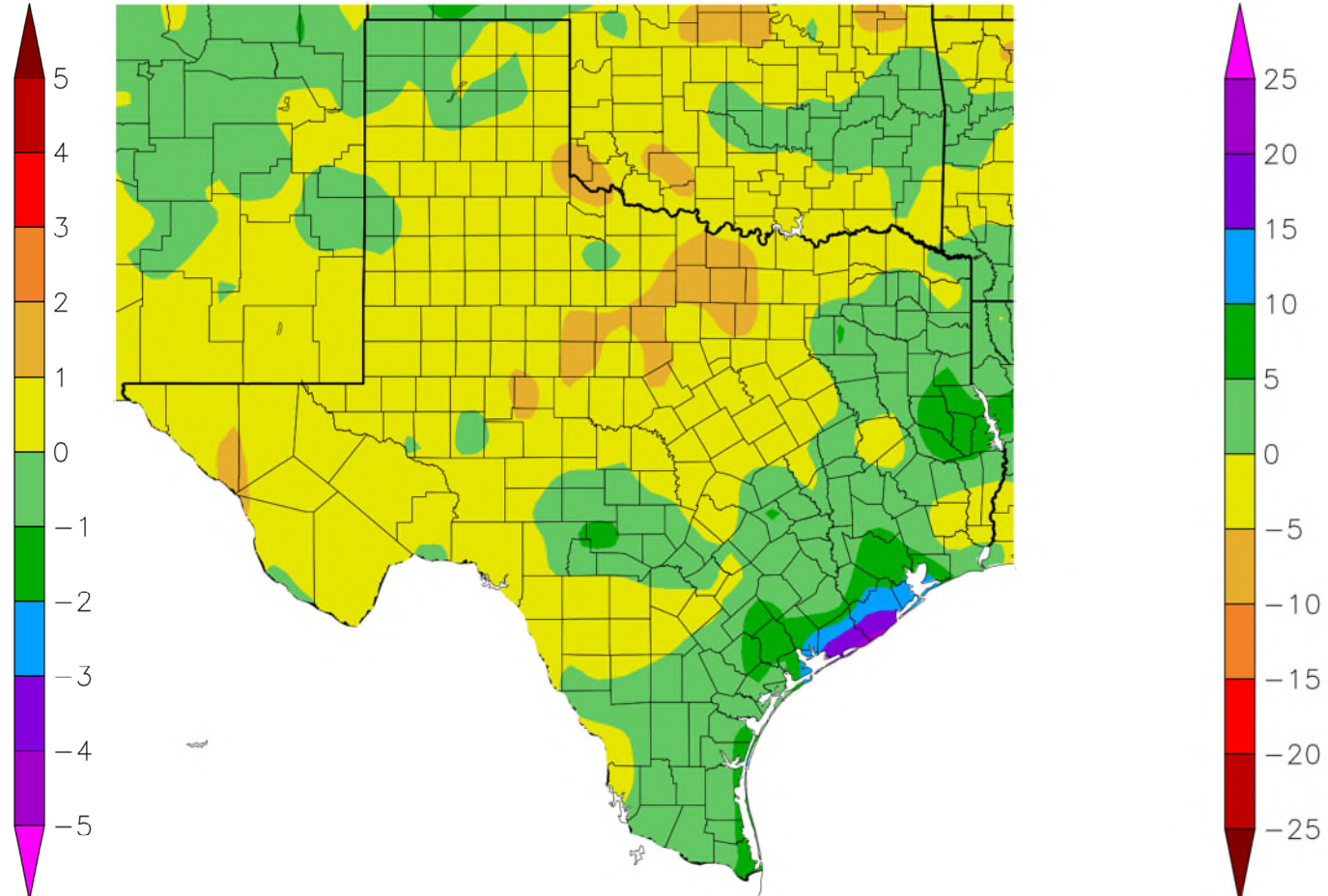


# Summer 2024 Temperature and Precipitation

Departure from Normal Temperature (F)  
6/1/2024 – 8/31/2024

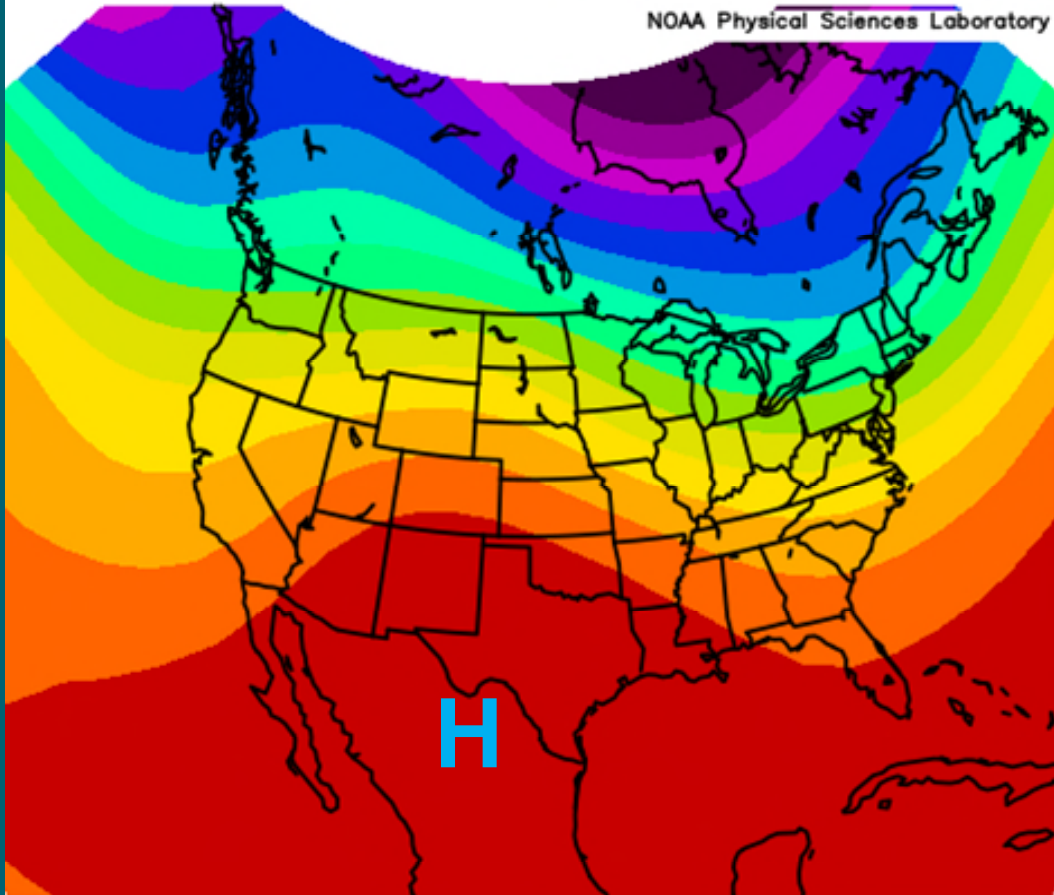


Departure from Normal Precipitation (in)  
6/1/2024 – 8/31/2024



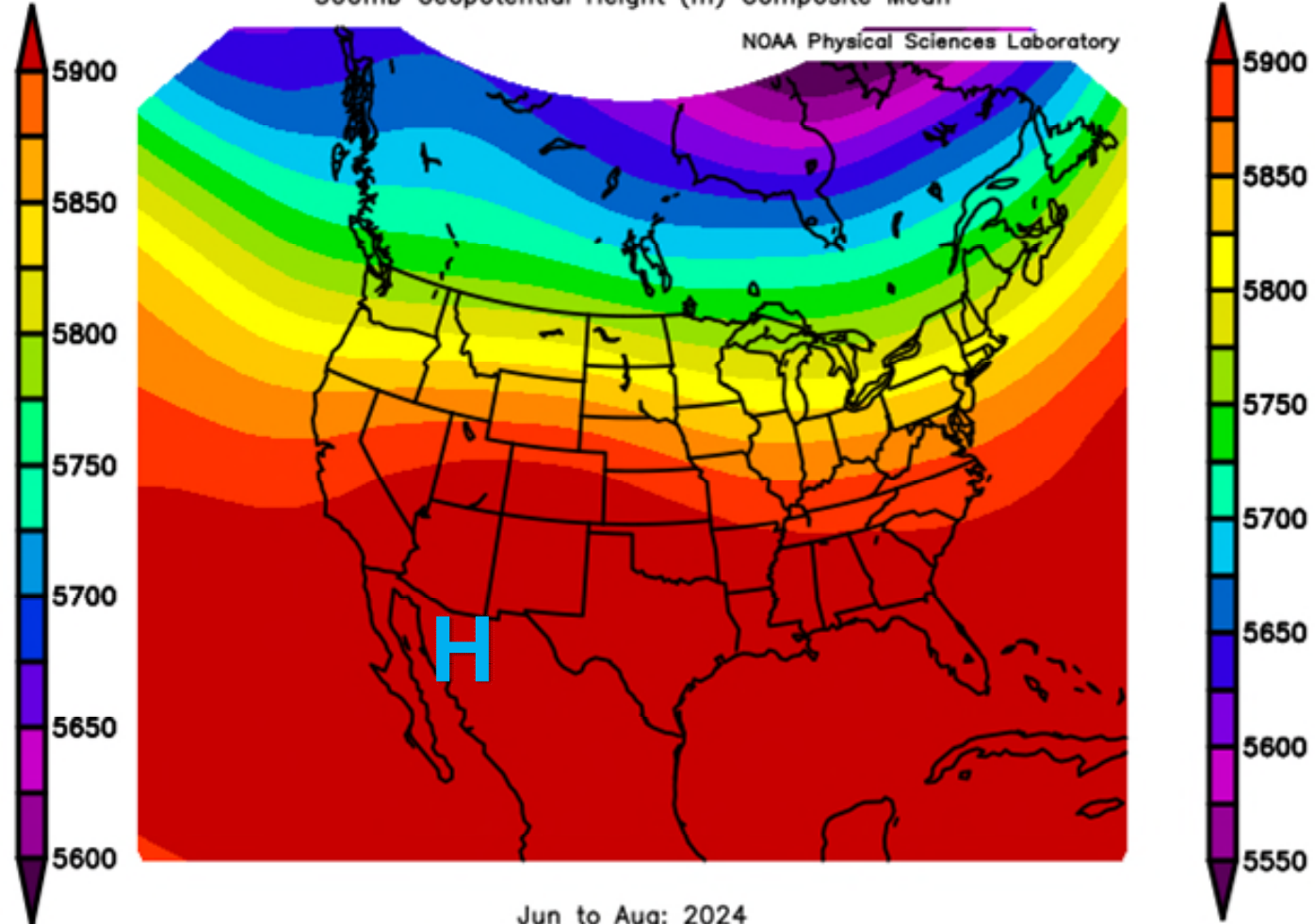
# Summer Heat Dome 2023 vs. 2024

NCEP/NCAR Reanalysis  
500mb Geopotential Height (m) Composite Mean  
NOAA Physical Sciences Laboratory



Jun to Aug: 2023

NCEP/NCAR Reanalysis  
500mb Geopotential Height (m) Composite Mean  
NOAA Physical Sciences Laboratory



Jun to Aug: 2024

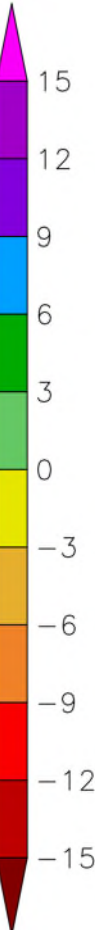
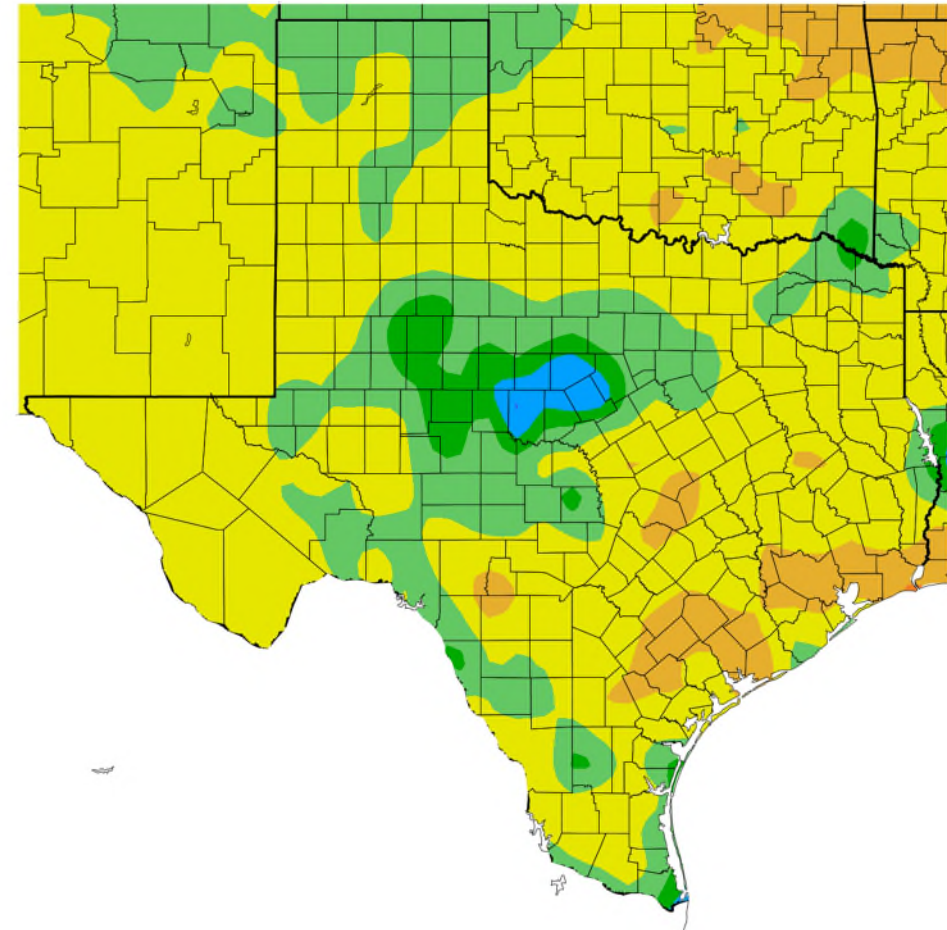
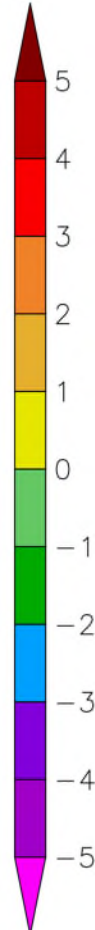
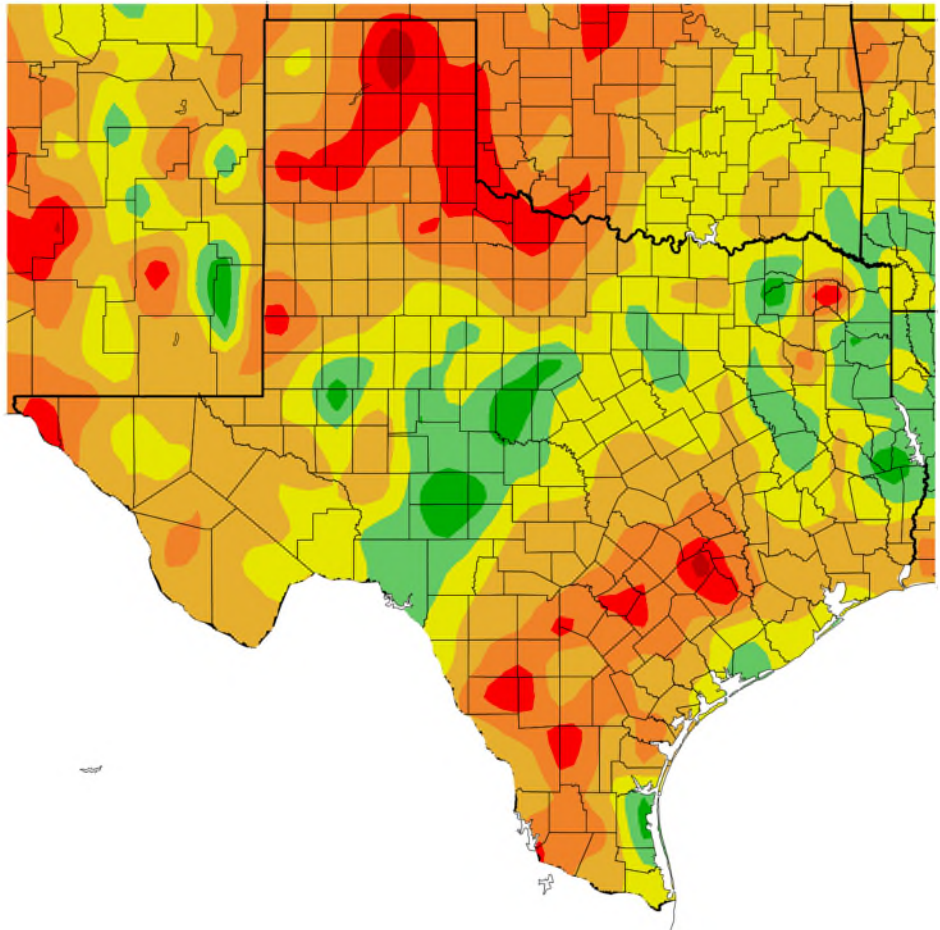
# Summer 2024 Recap

- **Seventh-hottest summer on record across Texas**
- **Temperatures averaged 2 degrees above normal**
  - Summer 2023 temperatures averaged 4 degrees above normal
- **Statewide, rainfall averaged near the long-term average**
- **Austin had 30 days at 100 degrees or higher**
  - Austin in 2023 had 69 days at 100 degrees or higher

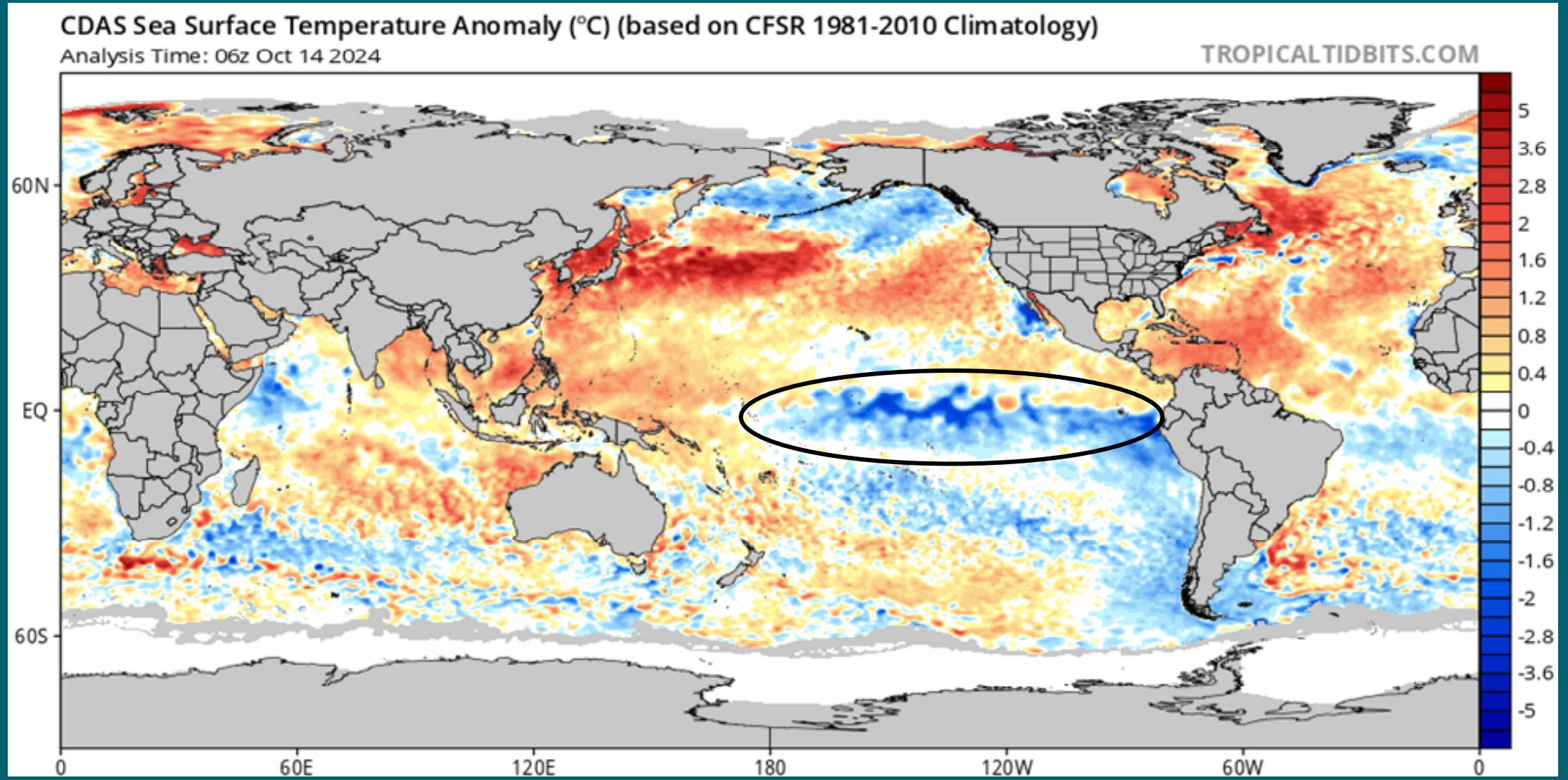
# September Temperature and Precipitation

Departure from Normal Temperature (F)  
9/1/2024 – 9/30/2024

Departure from Normal Precipitation (in)  
9/1/2024 – 9/30/2024



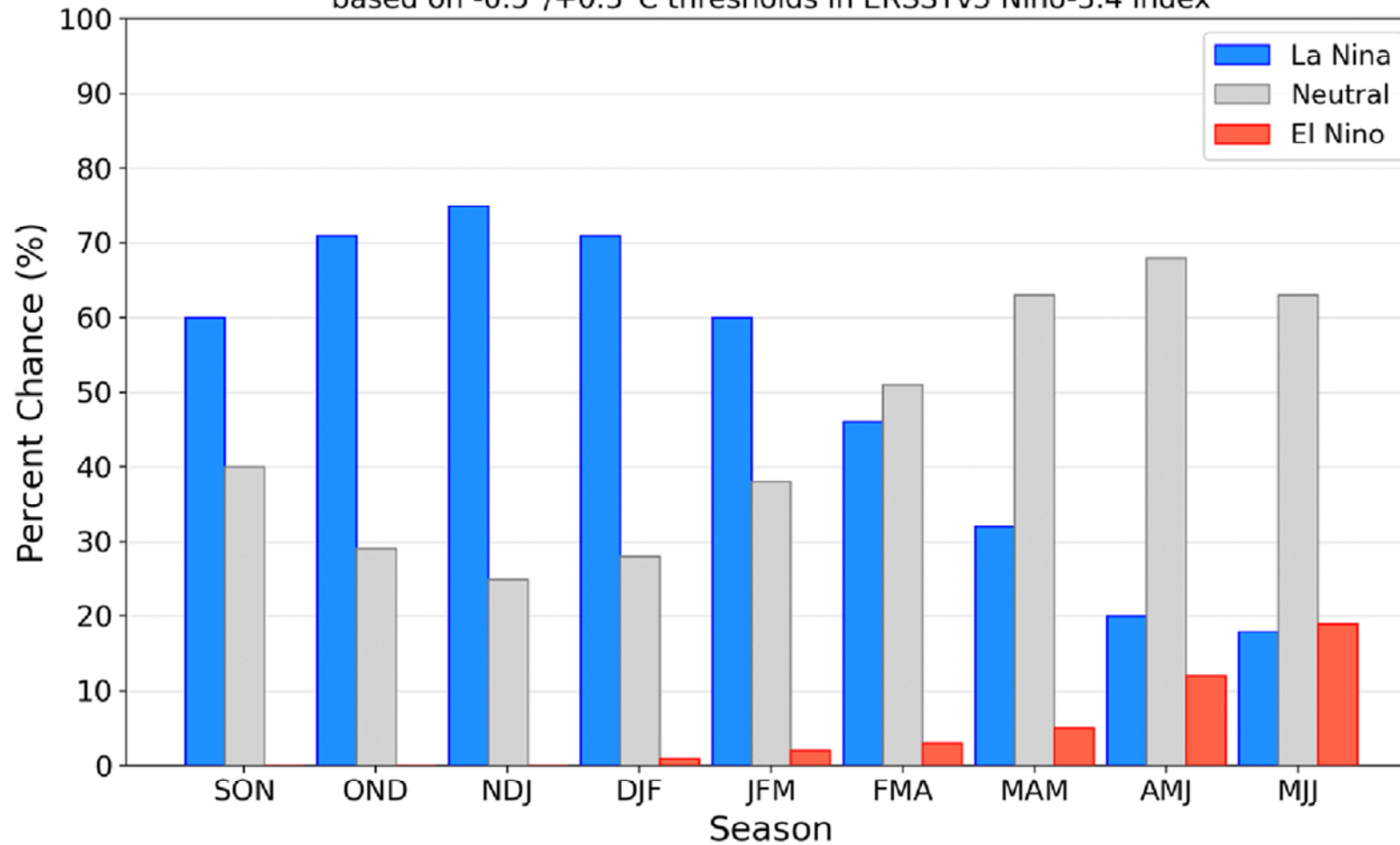
# October 2024: ENSO Neutral in Place



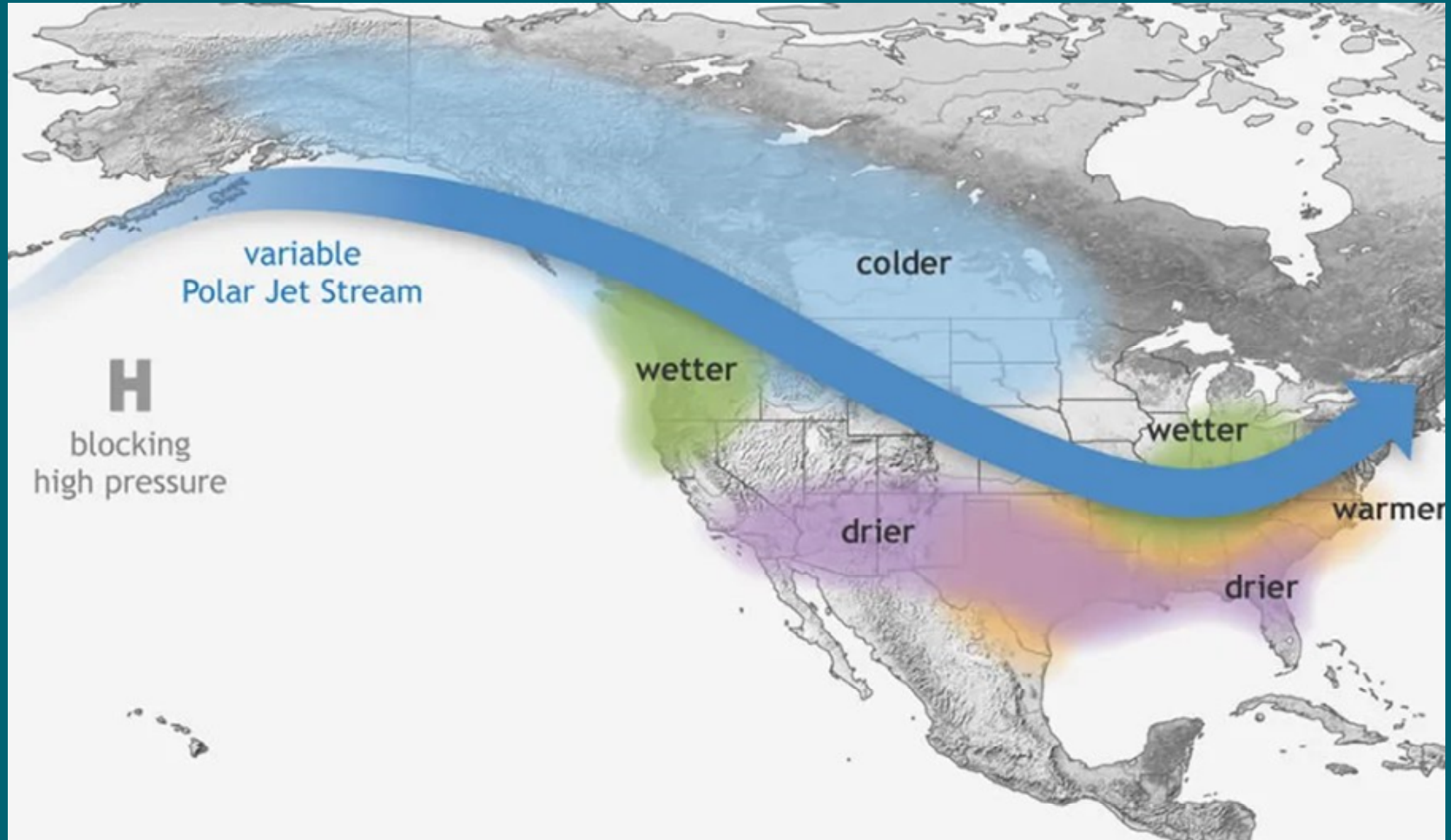
# La Niña Expected to Develop This Fall

## Official NOAA CPC ENSO Probabilities (issued October 2024)

based on  $-0.5^{\circ}/+0.5^{\circ}\text{C}$  thresholds in ERSSTv5 Niño-3.4 index

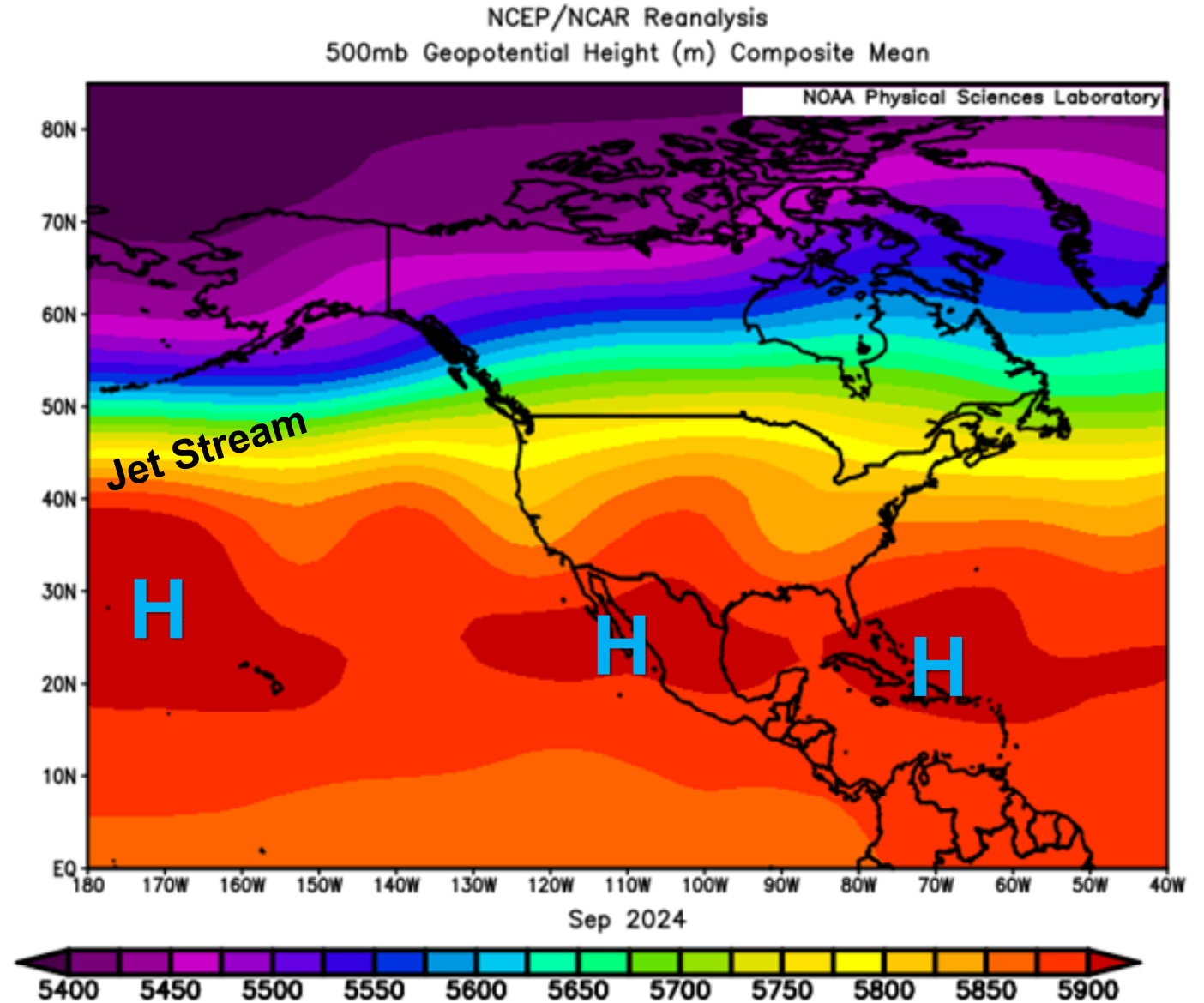


# La Niña Impacts

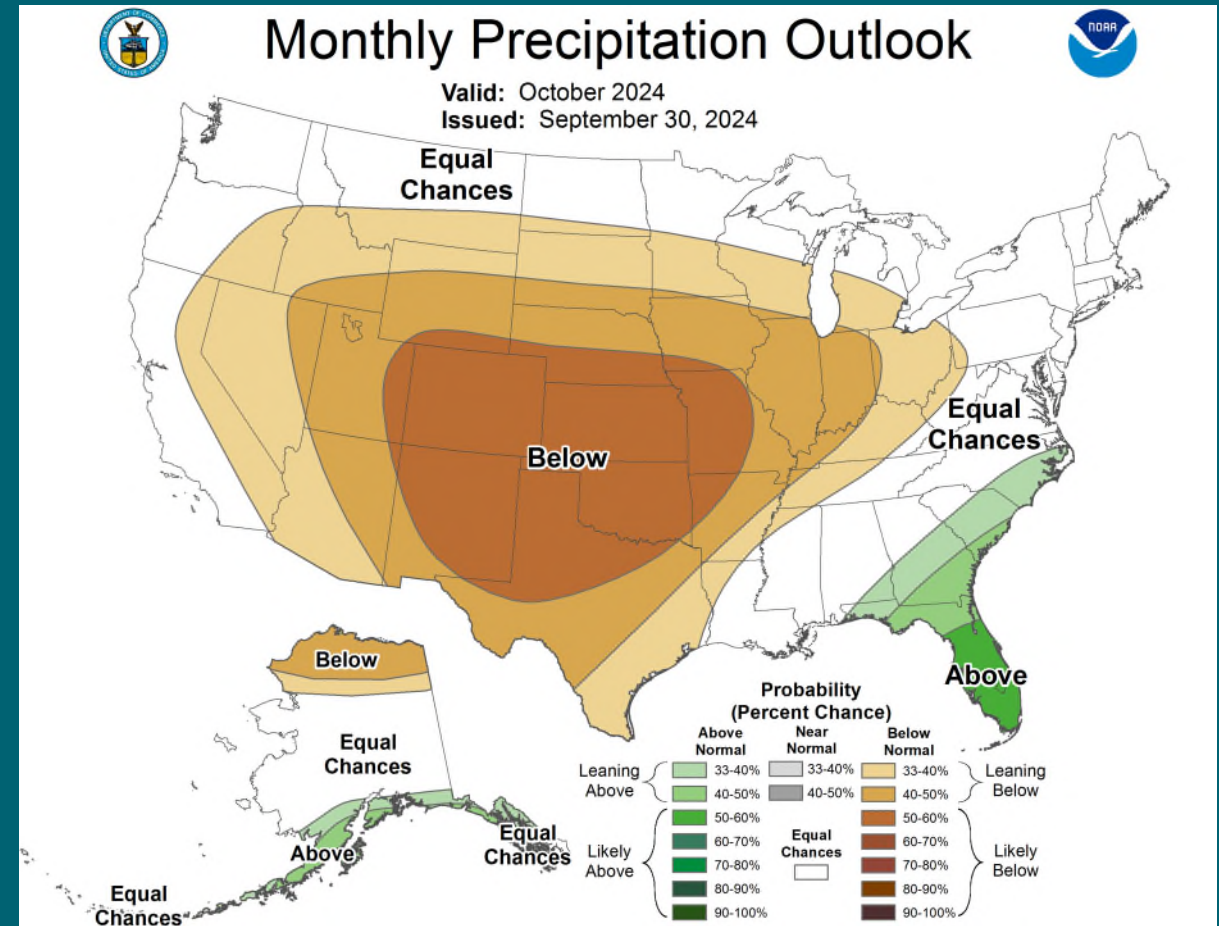
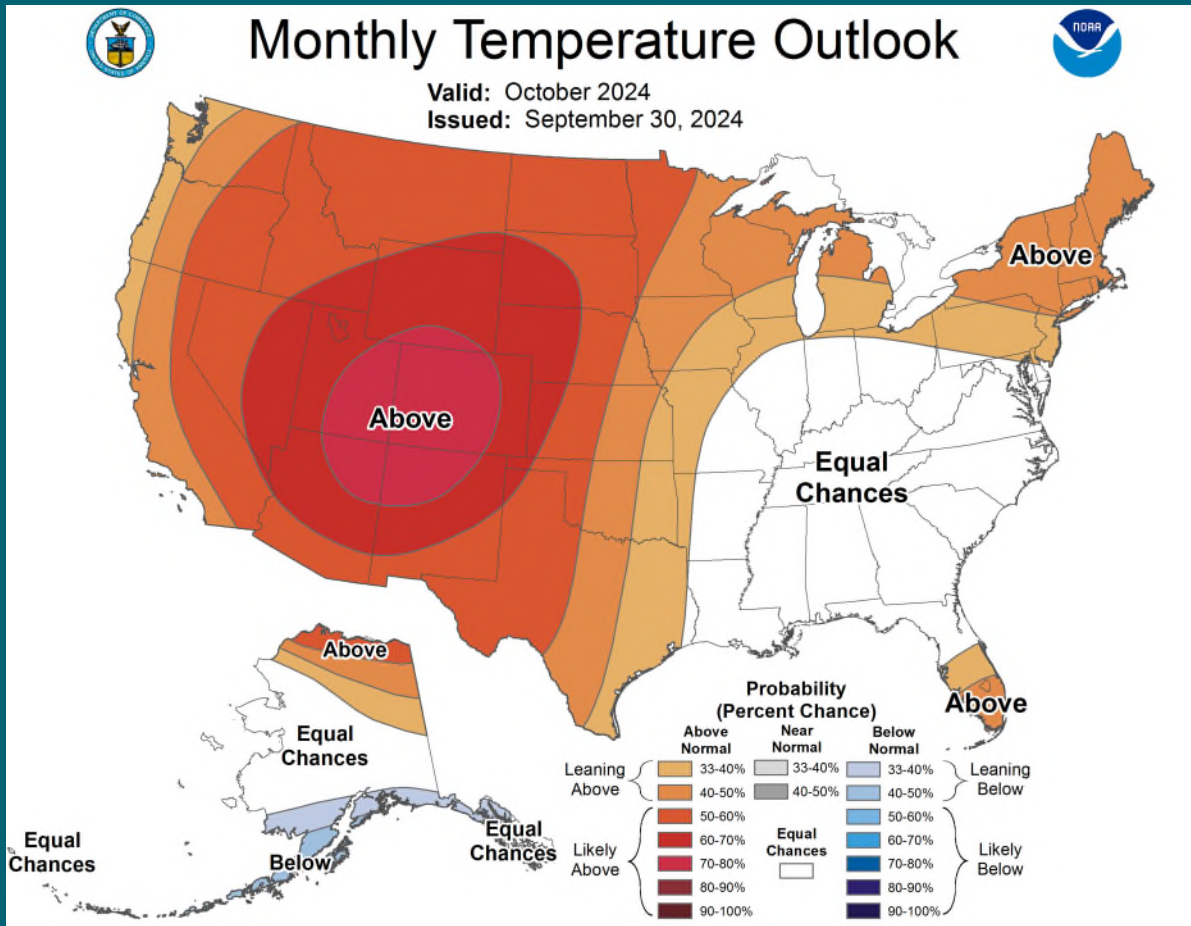




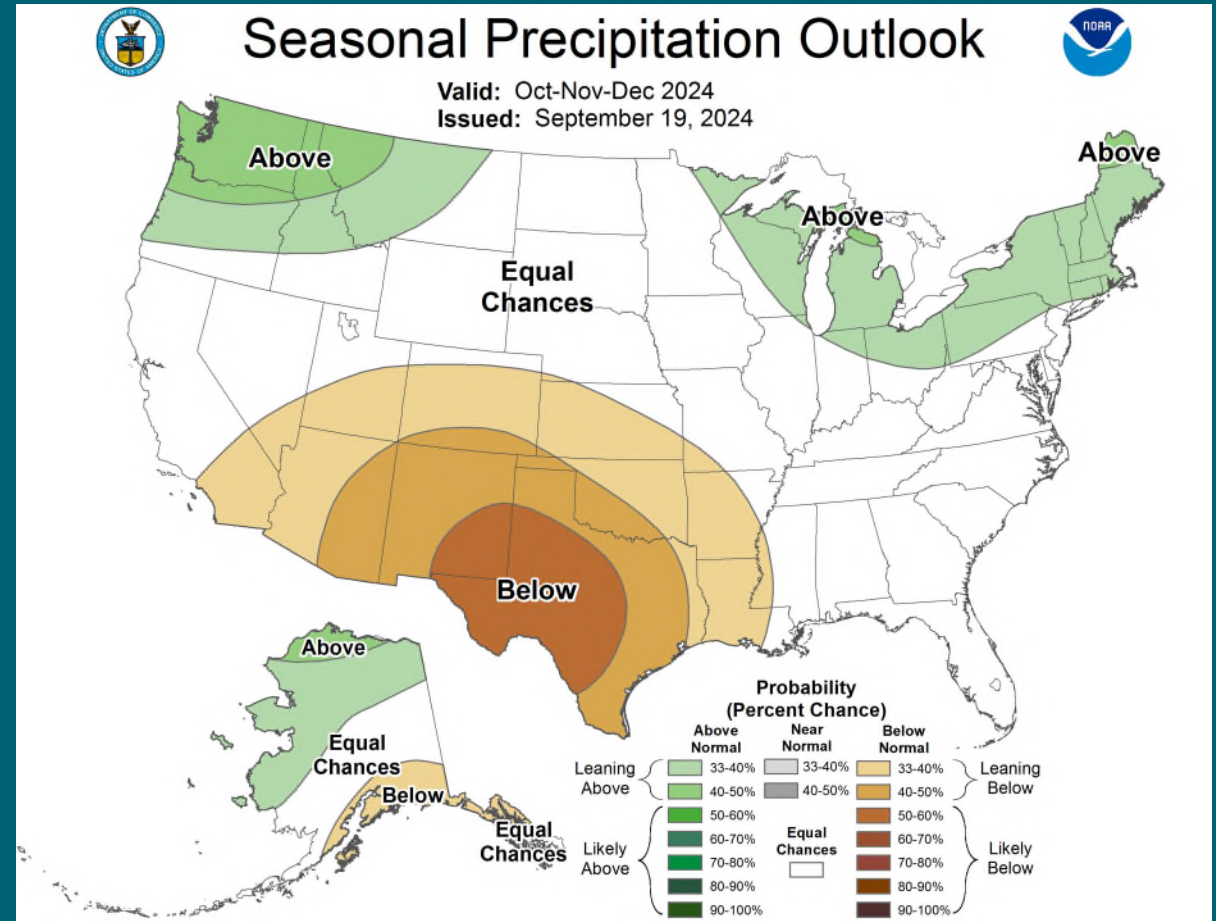
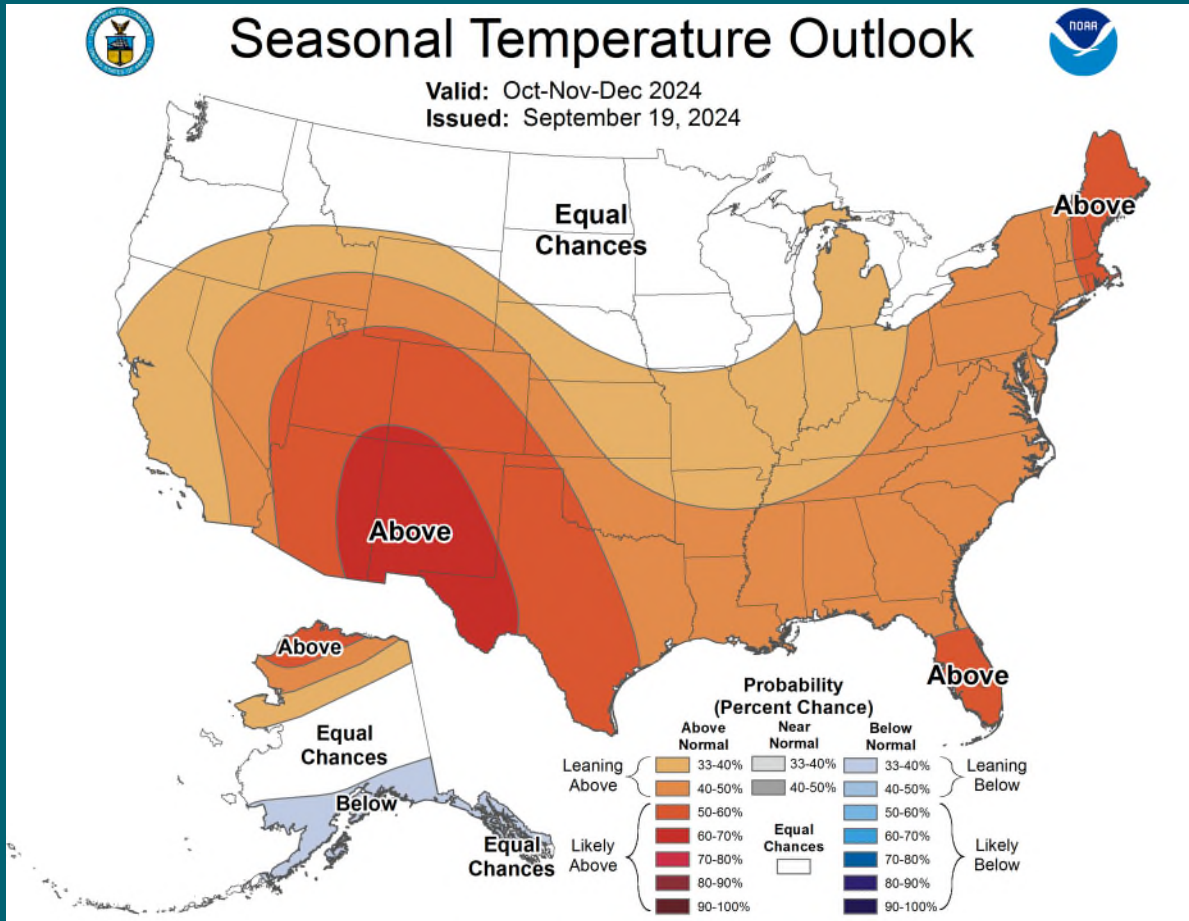
# An Unusual September Jet Stream Pattern



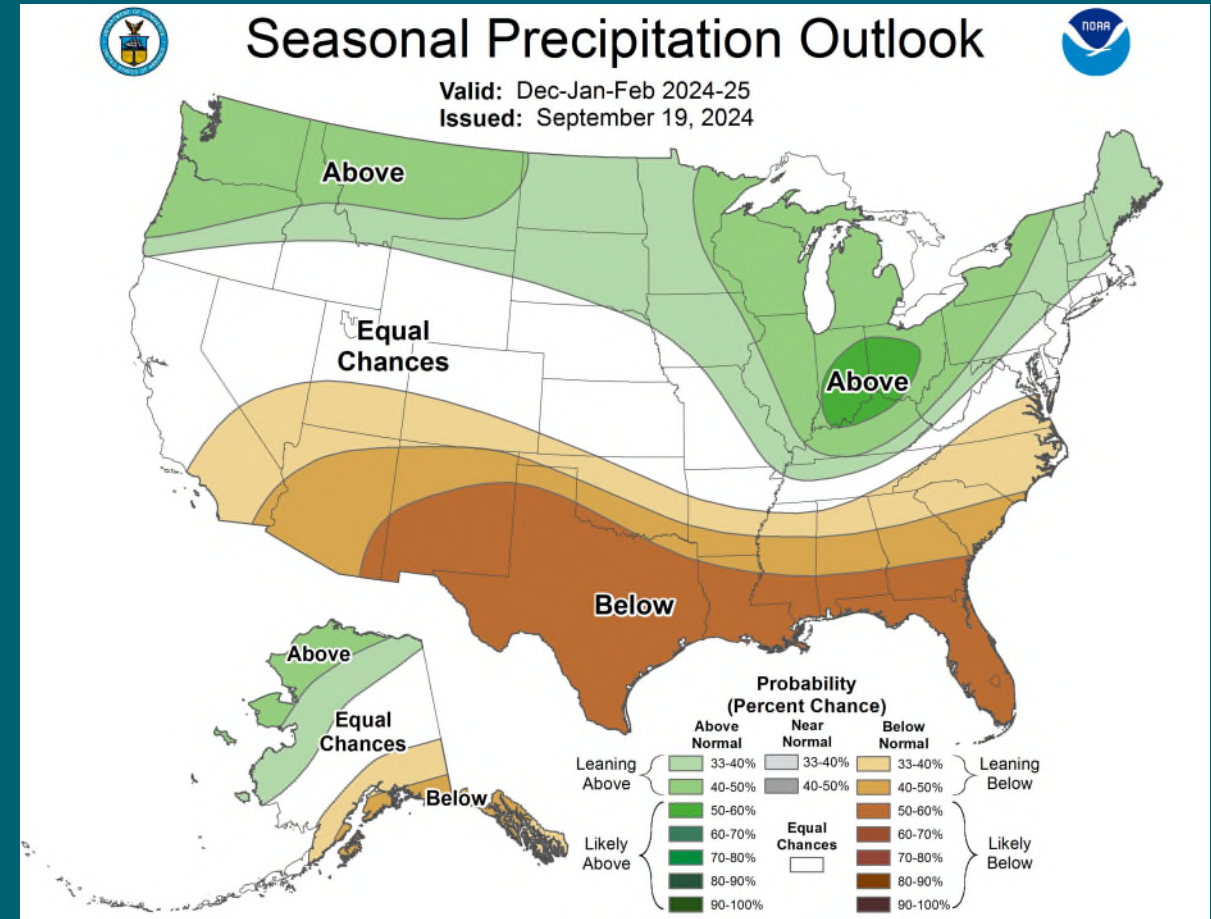
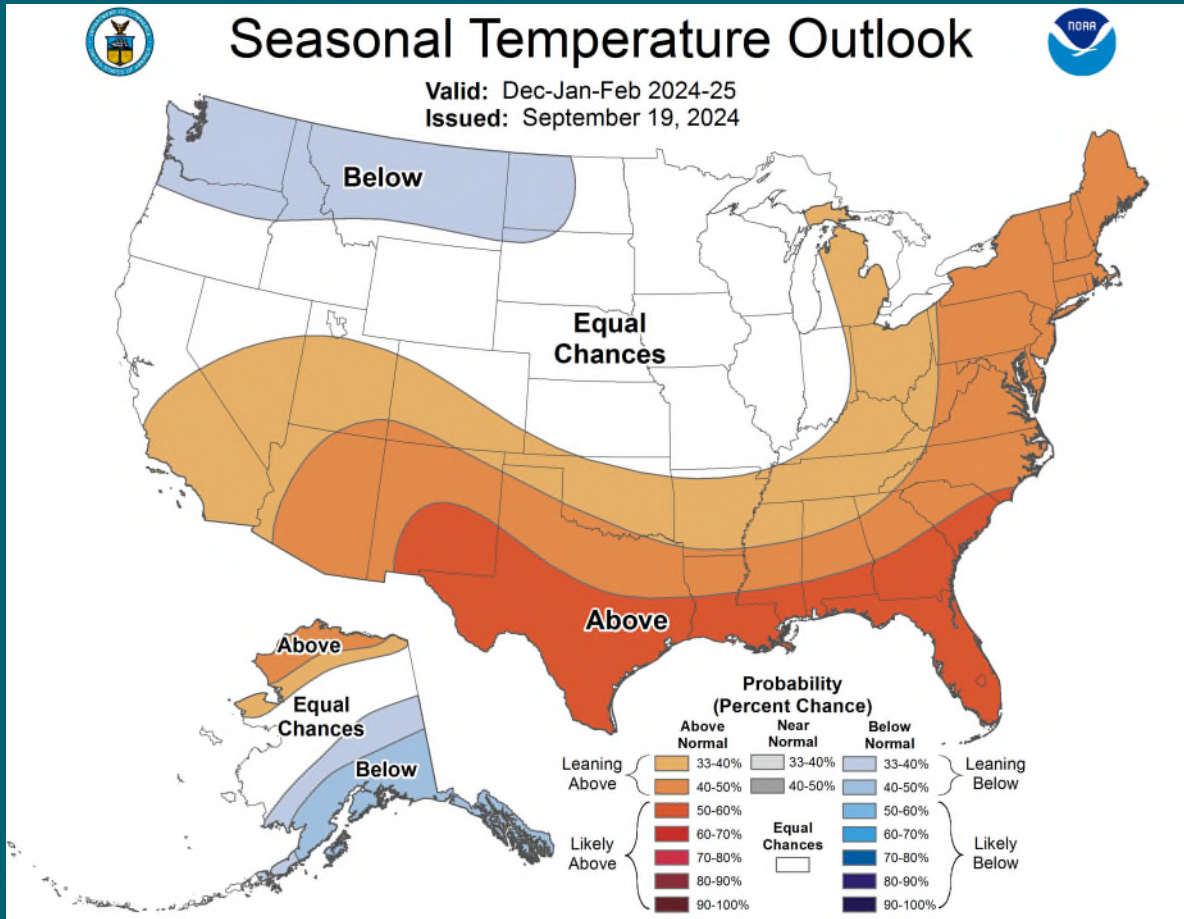
# NOAA's October Outlook



# NOAA's October-December Outlook



# NOAA's December-February Outlook



# **Fall and Winter Weather Outlook**

- **Fall weather forecast to be warmer than normal with below-normal rainfall**
- **Temperature forecast to average between 1 and 2 degrees above normal**
- **Winter weather shaping up to be milder than normal with continued below-normal rainfall**
- **Expect some periods of cold weather, but no sustained cold**
- **La Niña forecast to end sometime next spring**

