

# November 2024 Weather Digest



# November 2024 Weather Summary

In terms of precipitation this November was unusual in its delivery of rain and snow. Much of the Borderland from the Rio Grande Valley east enjoyed rainfall from 150-300 percent of normal, with mountain snowfall of around double the usual totals. Unfortunately much of the area to the west ranged from about 25-75 percent of normal. With the abnormal cloud cover and precipitation, most sites recorded temperatures within about 1 degree plus or minus of normal, this coming after several months in a row of above normal temperatures. Precipitation came mainly in two events; the first being a Pacific storm moving through on the 3rd/4th. This was a warm system with only the highest of mountain elevations receiving any snow. The second storm, another Pacific type, swept through on the 17th/18th. This system was colder and hence moderate rainfall at lowland sites meant moderate to heavy mountain snowfall. Many sites in the Sacramento Mtns received from 6-10 inches.

# November 2024 Weather Summary

Looking ahead to December, we enter our winter period with our shortest daylength (10 hrs, 4 mins.) of the year, the Winter Solstice, on Dec 21. Daylength on the first is 10 hours, 13 mins, decreasing to 10 hours, 7 minutes on the last day of the month. The normal high in El Paso on Dec. 1 is 61°, while on Dec. 31 it is 57°. The December full moon occurs on the 15th, known as the Cold Moon. The new moon occurs on the Dec. 30th.

**Nov 4 Near Pinos Altos**



**Nov 4 Near Pinos Altos**



**Nov 4 Near Pinos Altos**



**Nov 4 Near Pinos Altos**



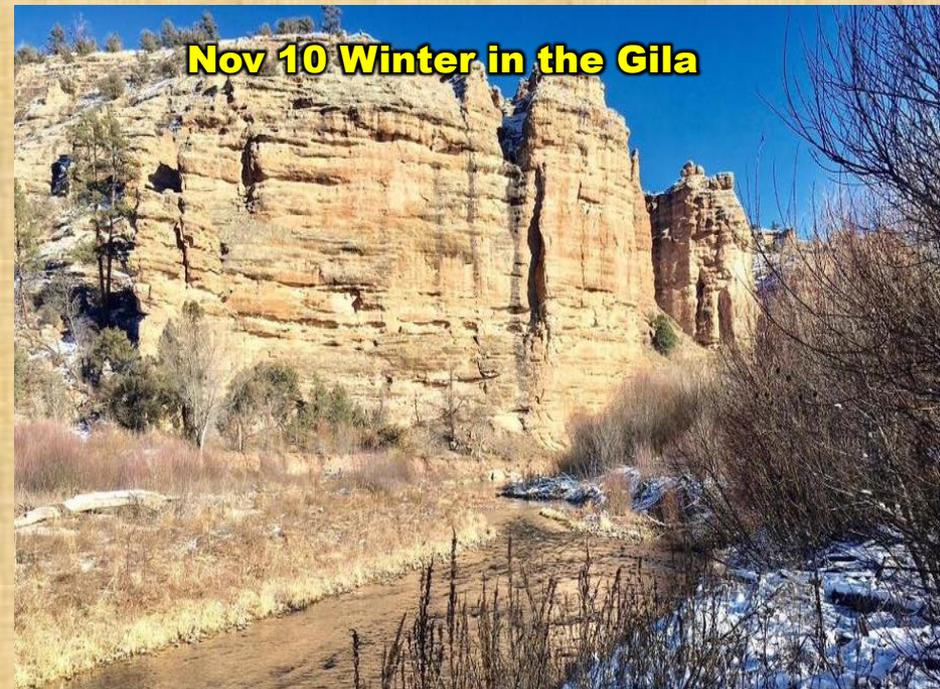
**Nov 7 Rainbow at Santa Teresa**



**Nov 7 Franklin Mtns**



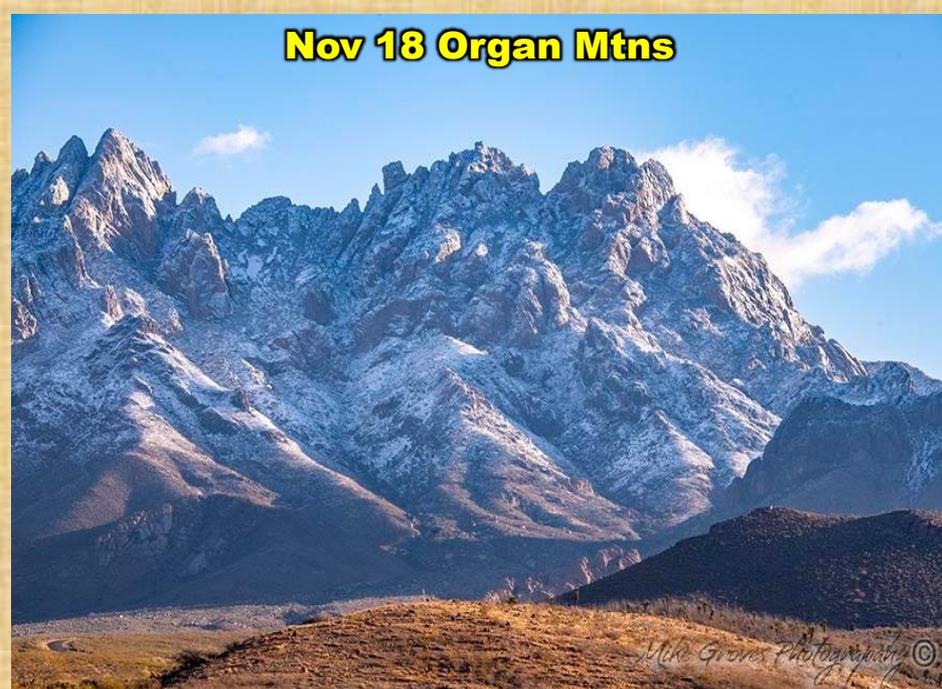
**Nov 10 Winter in the Gila**



**Nov 17 Storm near Lordsburg**

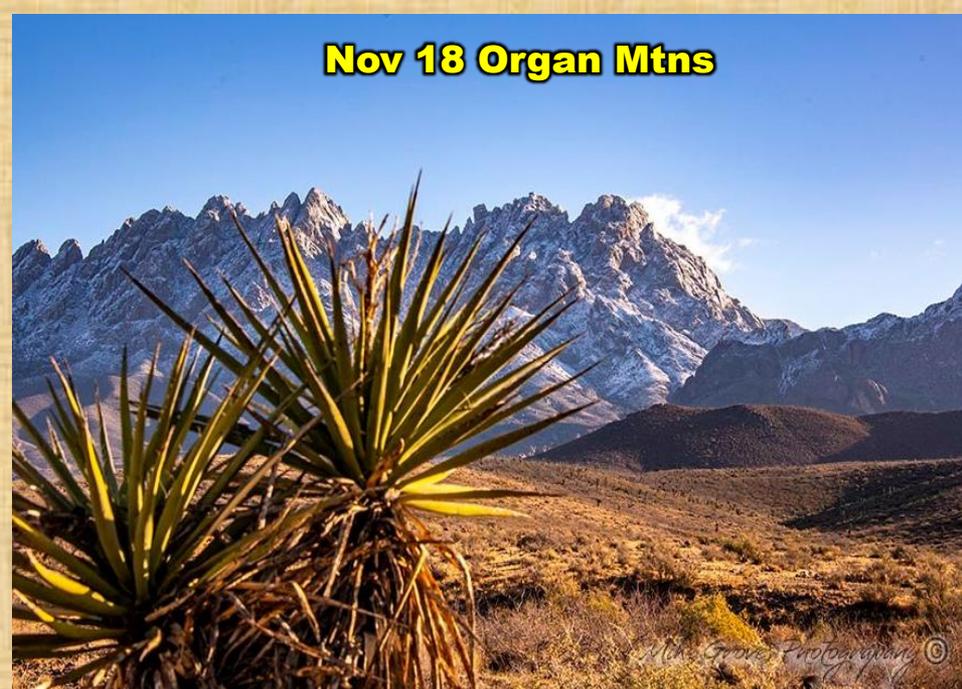


**Nov 18 Organ Mtns**



*Mike Groves Photography ©*

**Nov 18 Organ Mtns**



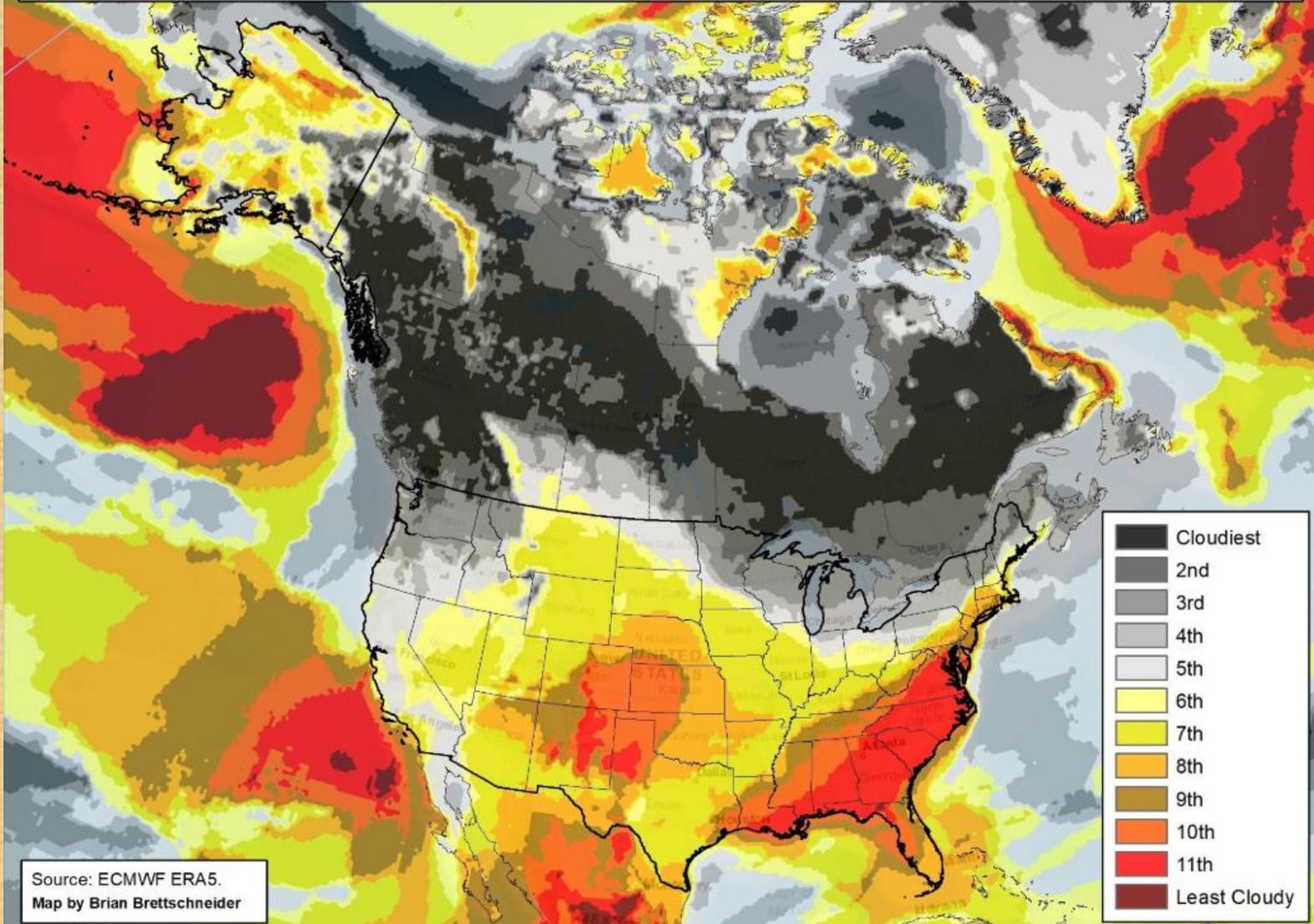
*Mike Groves Photography ©*

**Nov 3 Mogollon Country**



# November averages the 7<sup>th</sup> cloudiest month across the Borderland

November Cloud Climatology: Rank From Cloudiest to Least Cloudy



# **ENSO Alert System Status:** **La Niña Watch is in effect**

## **ENSO Alert System**

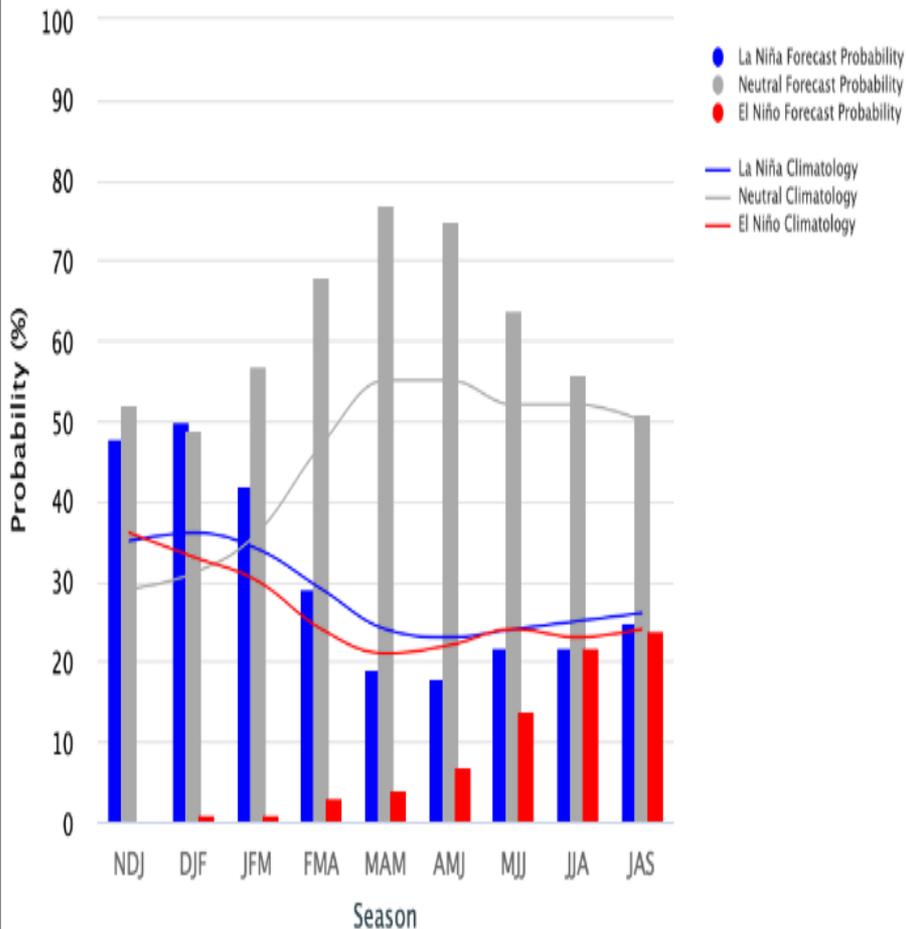
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

# ENSO Forecast

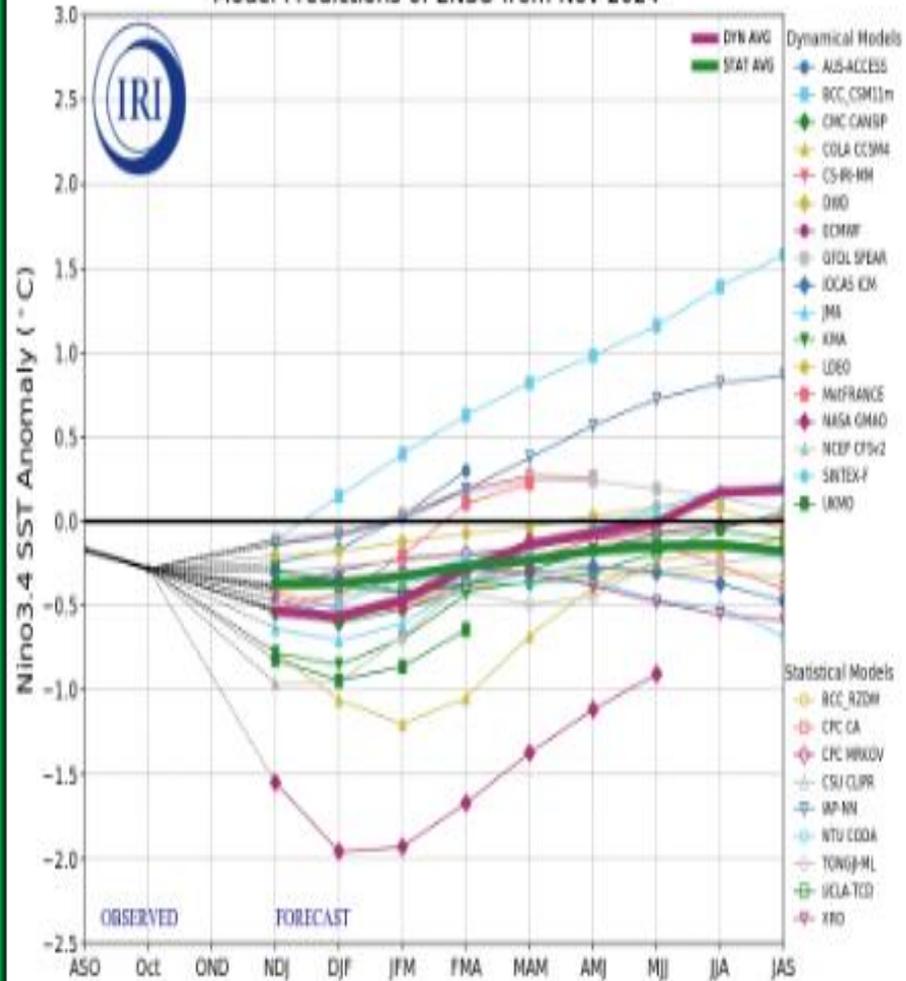
**ENSO is in Neutral phase and is expected to transition to La Niña within a month**

Mid-November 2024 IRI Model-Based Probabilistic ENSO Forecasts

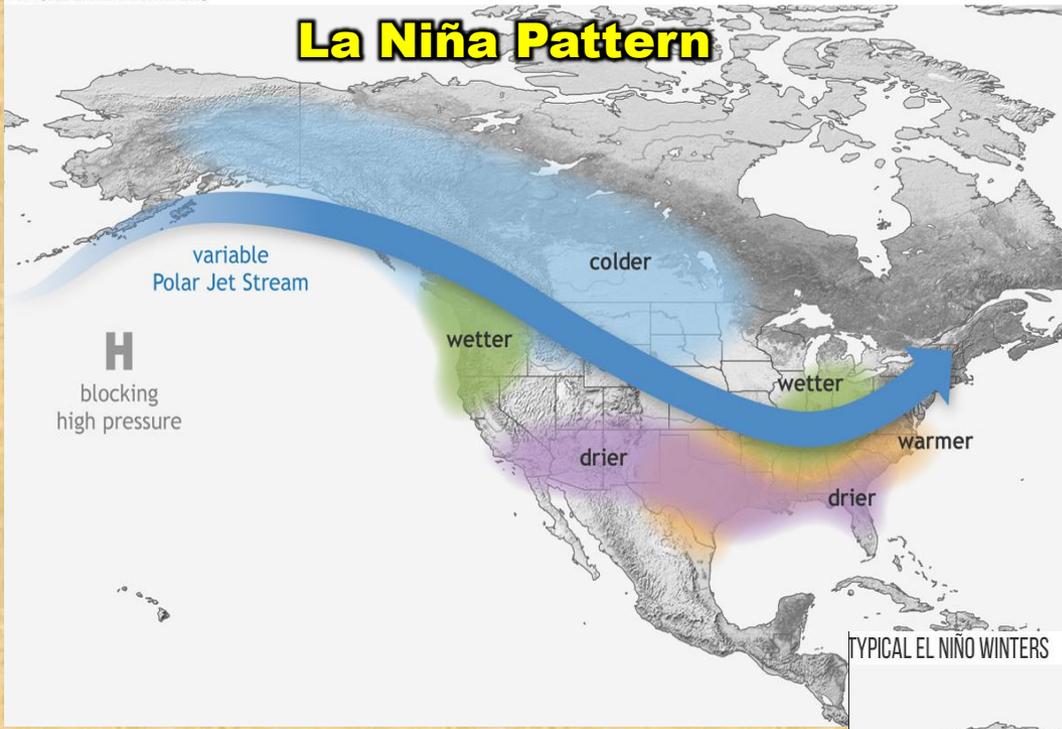
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO:  $-0.5^{\circ}\text{C}$  to  $0.5^{\circ}\text{C}$



Model Predictions of ENSO from Nov 2024

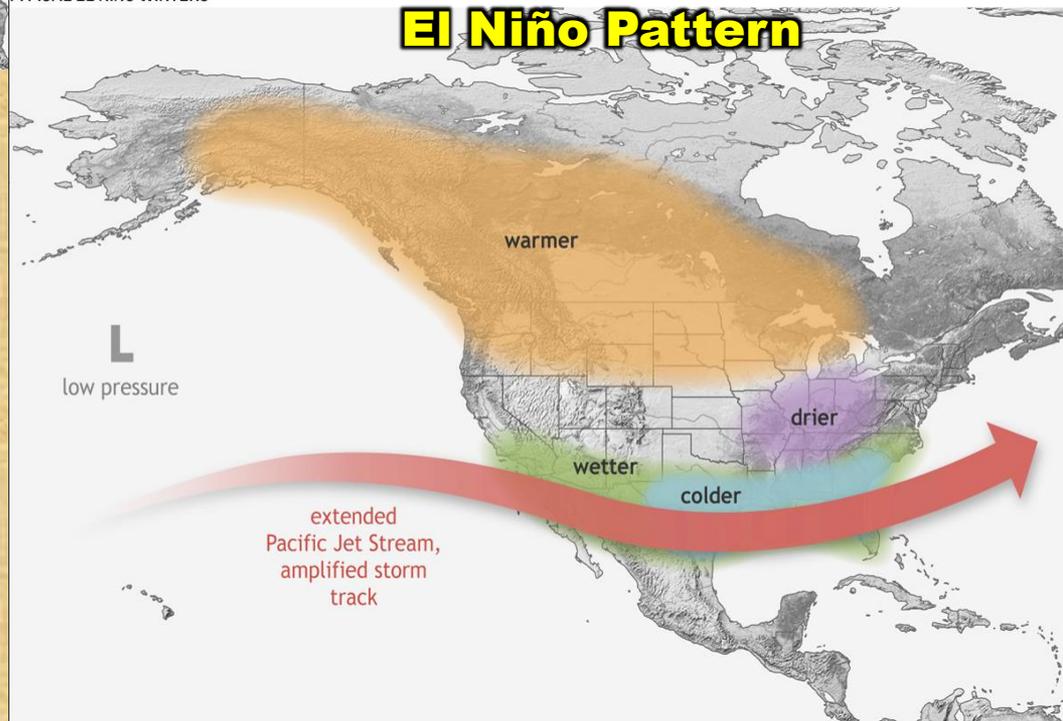


# La Niña Pattern



With a La Niña pattern, a ridge of high pressure tends to build off the west coast of the U.S., blocking most of our Pacific winter storm systems. These storms tend to end up moving across the northern Plains and down to the southeastern part of the country. Of course it is important to remember that these patterns are only what typically happens and are not guaranteed to occur.

# El Niño Pattern



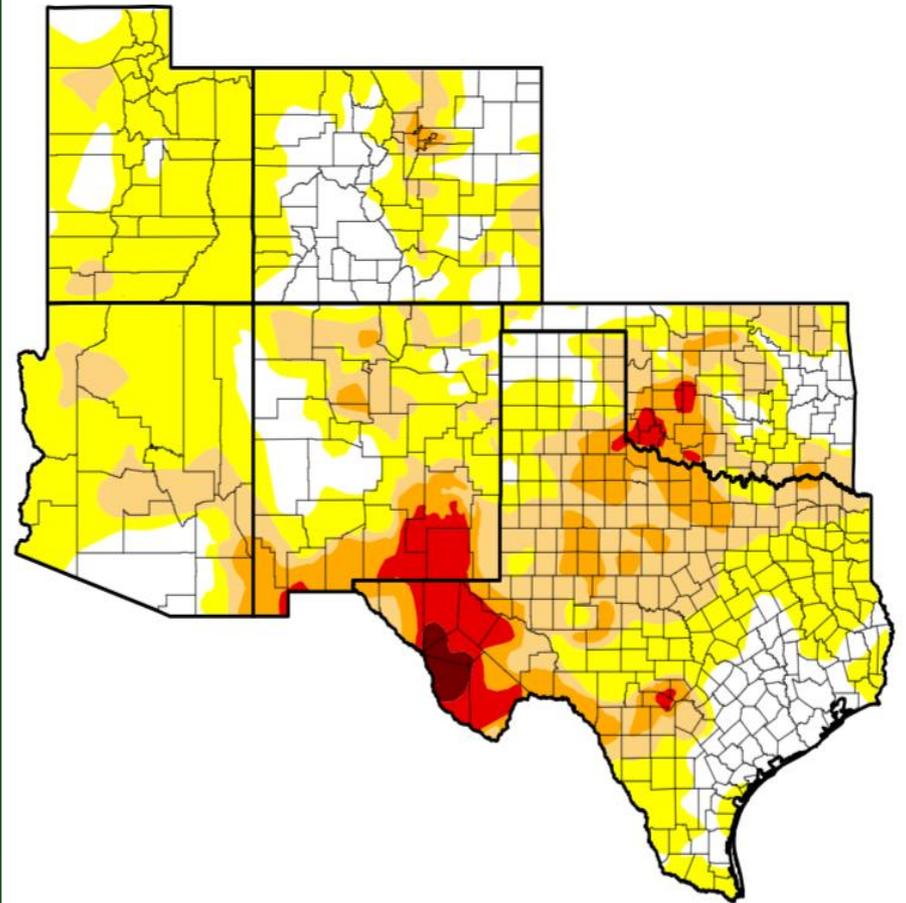
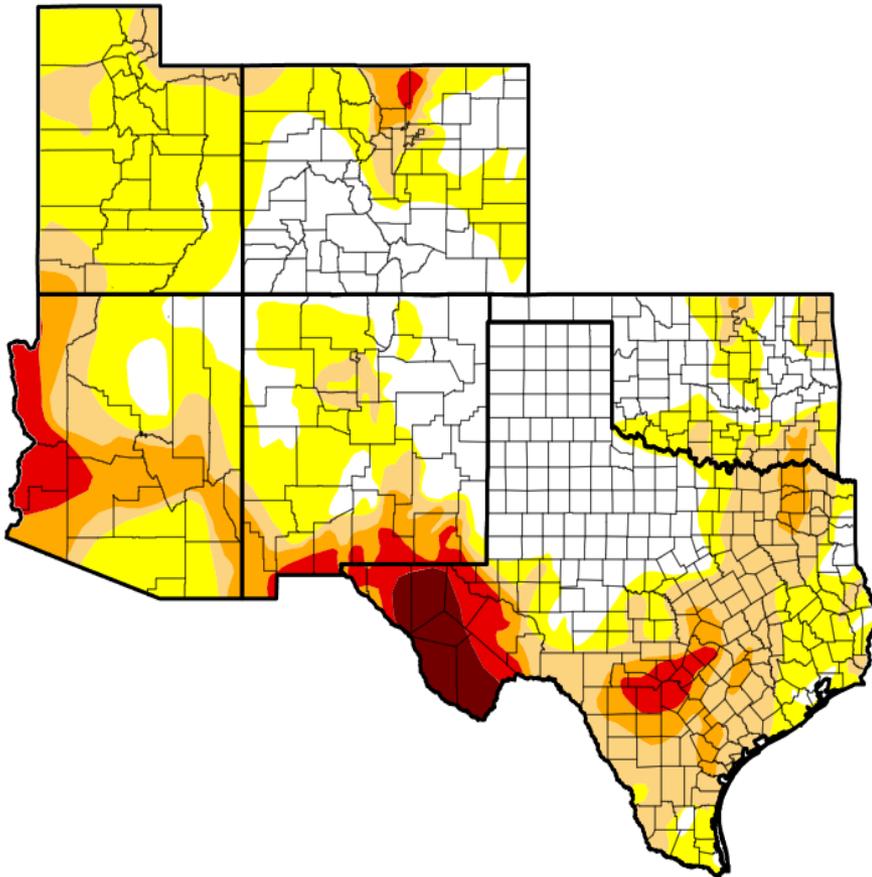
With El Niño, we often see the opposite pattern where the eastern Pacific ridge of high pressure is often weak or non-existent, allowing winter storms to sweep across the southern U.S. This typically will give the southwestern U.S. above normal precipitation.

# Current drought conditions and 3 month change

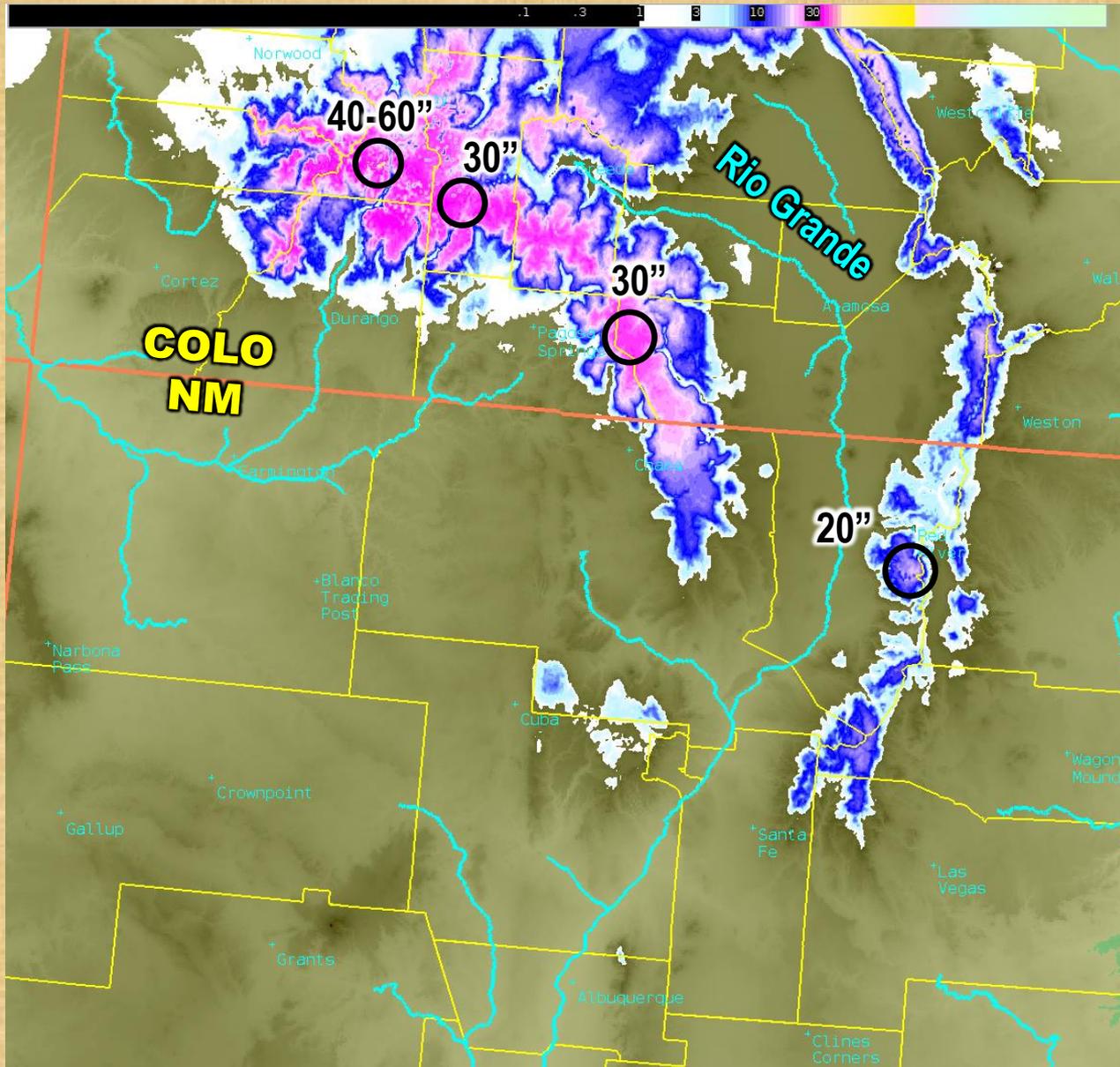
- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4

**Nov 26, 2024**

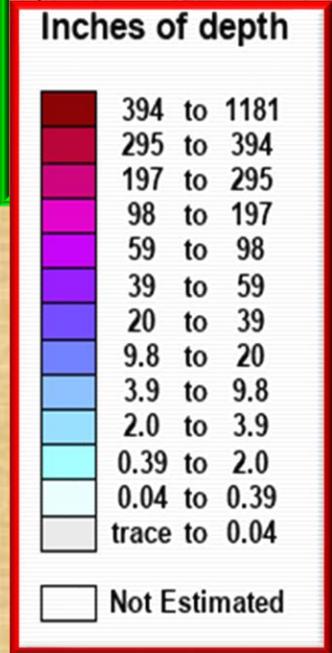
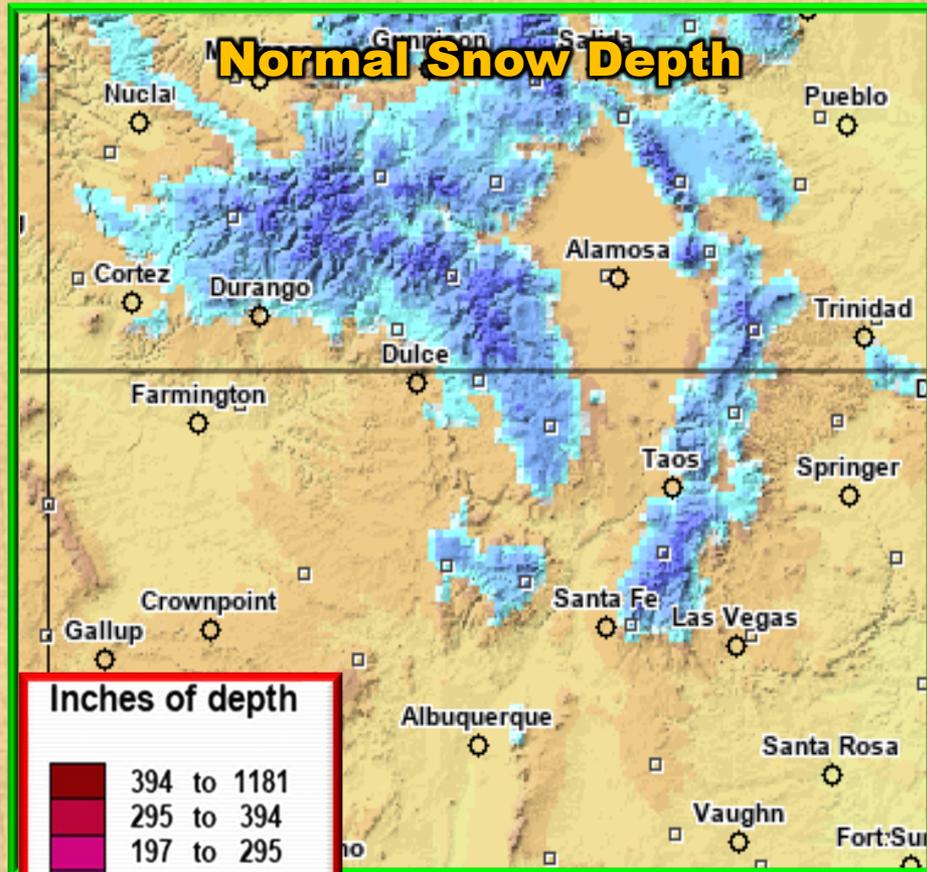
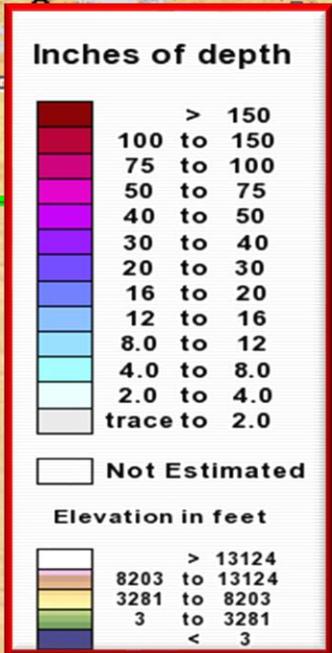
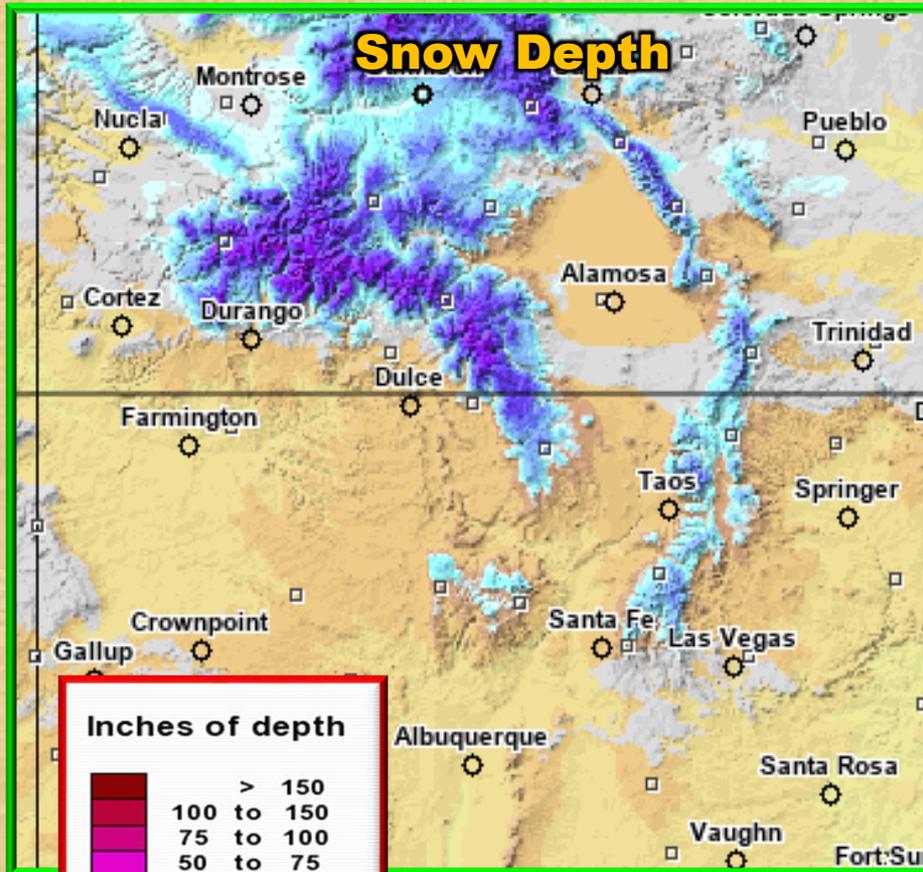
**Aug 27, 2024**



# November 30 Snow Depth Upper Rio Grande Basin

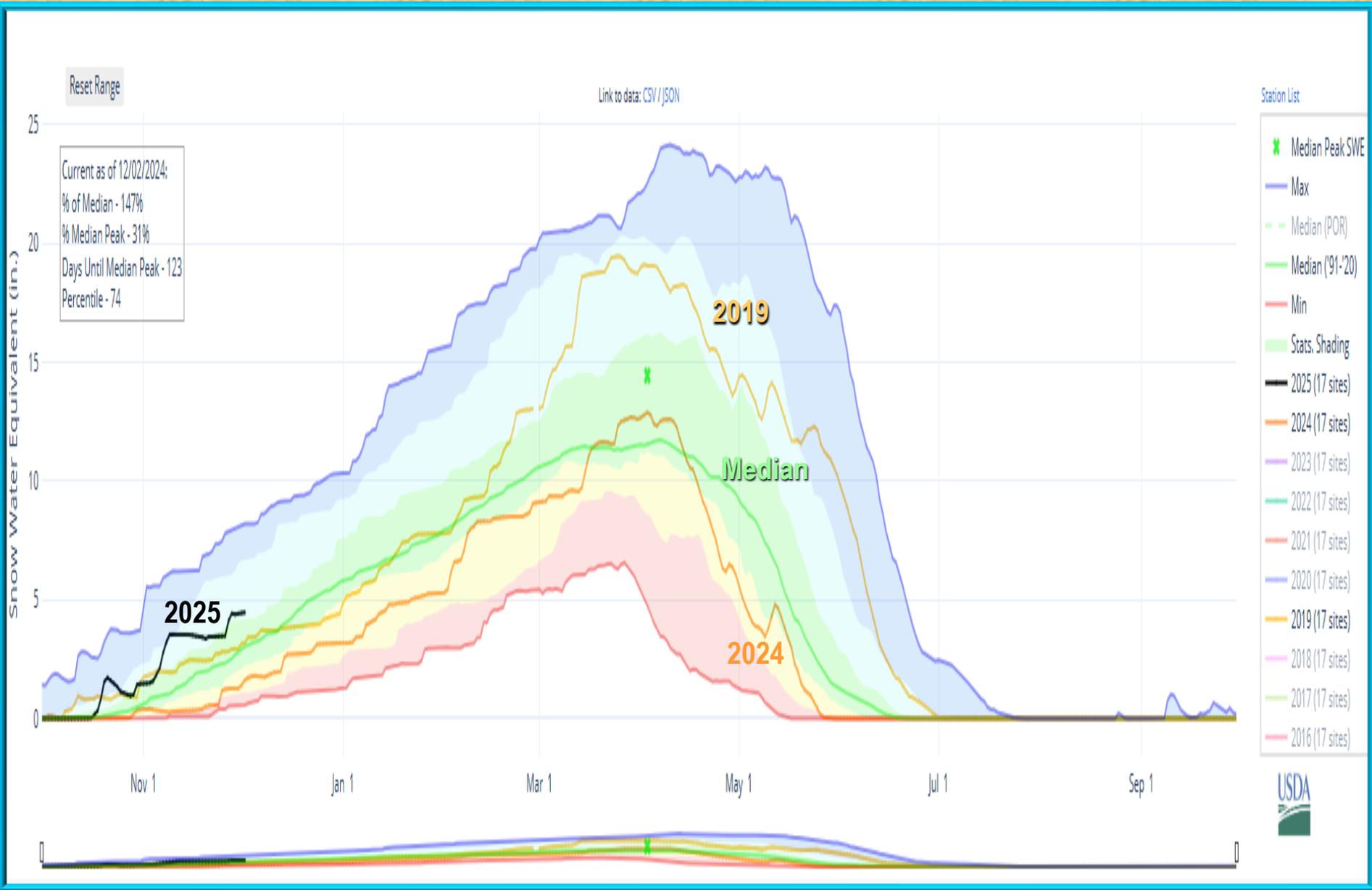


# Snow Data Upper Rio Grande Basin as of Nov 30, 2024



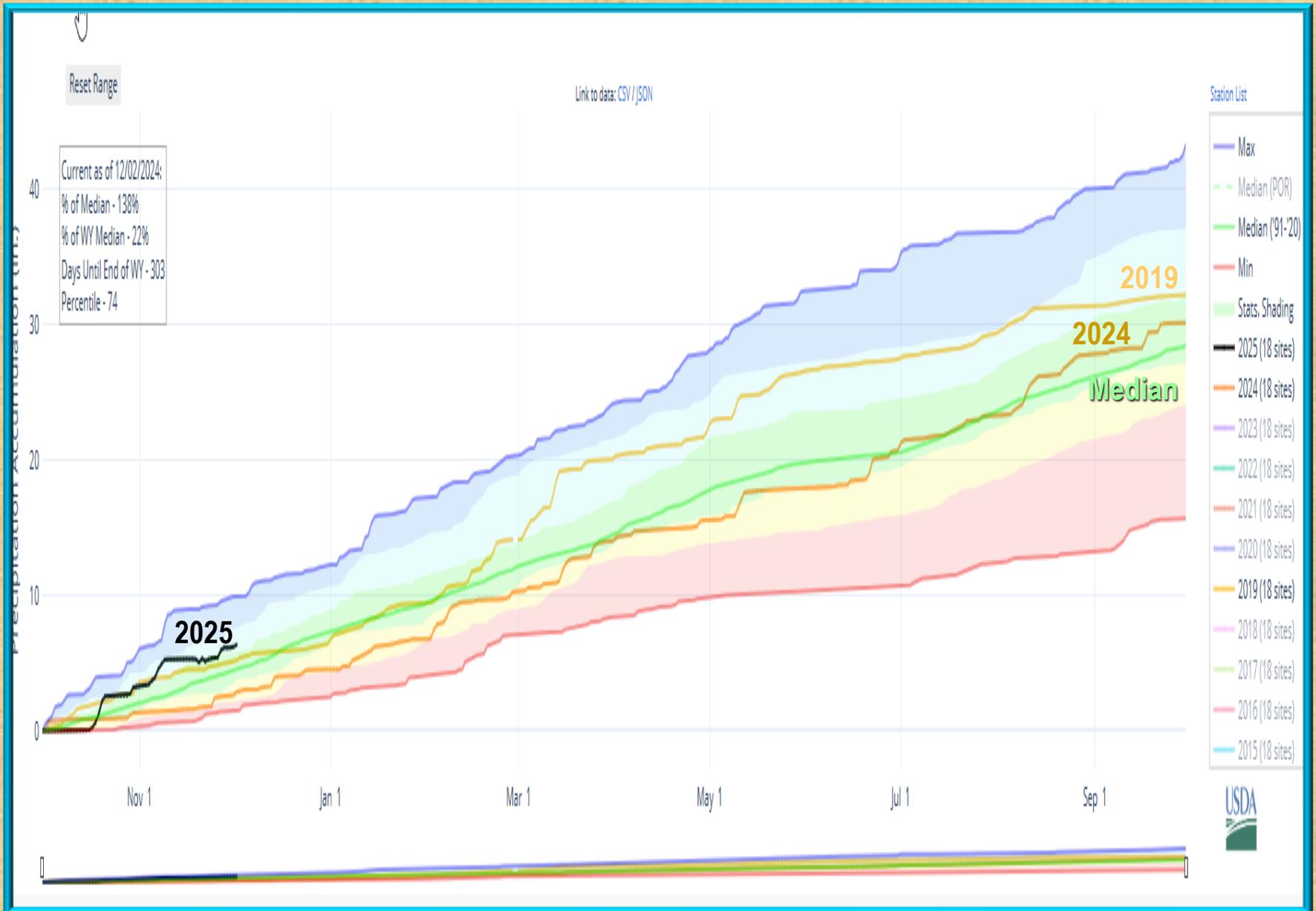
# Snow Water Equivalent as of Nov 30, 2024

## Compare to last few years and average values



# Precipitation for the Water YTD Oct 1 – Nov 30, 2025

## Compare to last few years and average values

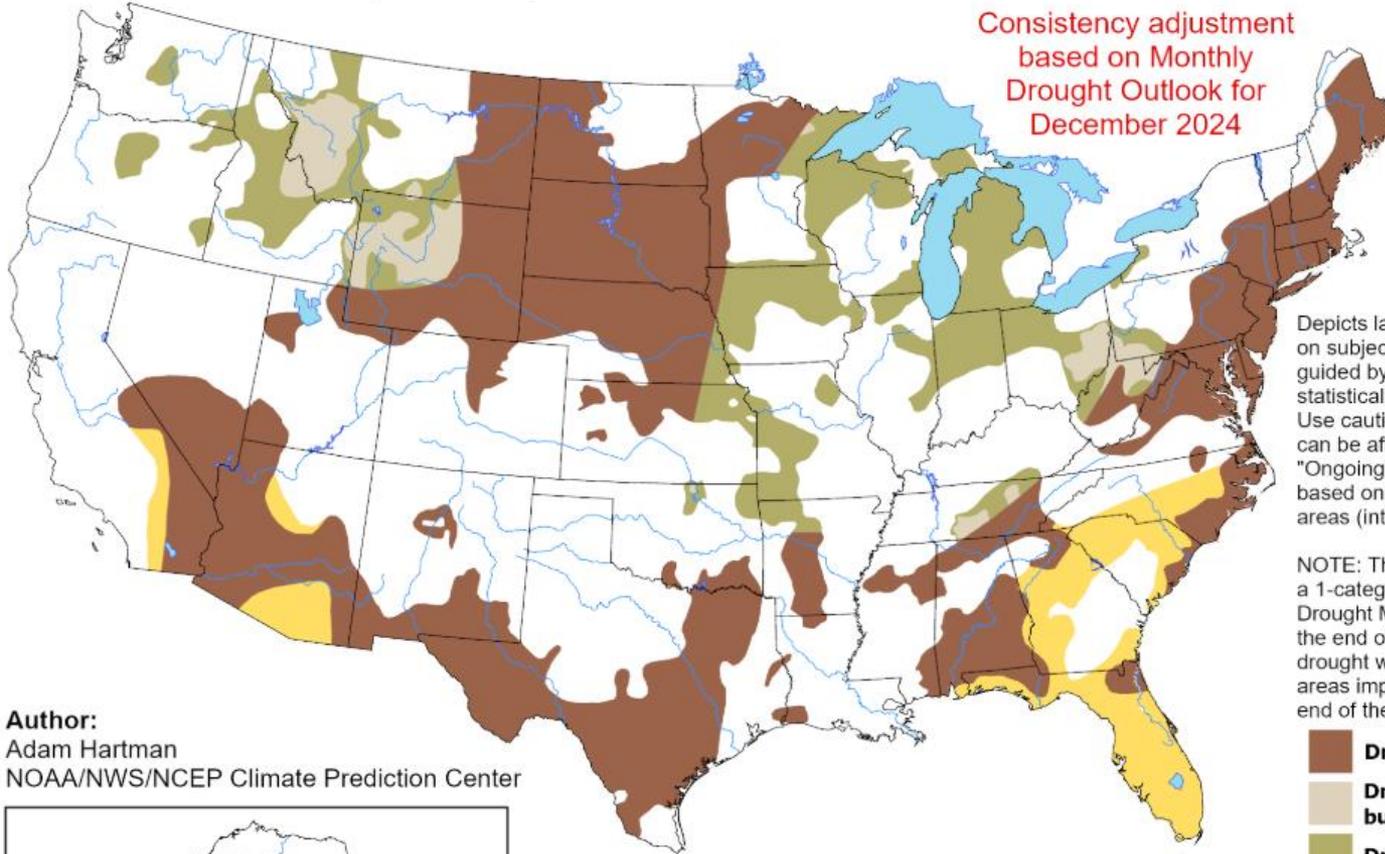


# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for December 1, 2024 - February 28, 2025  
Released November 30, 2024

Consistency adjustment  
based on Monthly  
Drought Outlook for  
December 2024

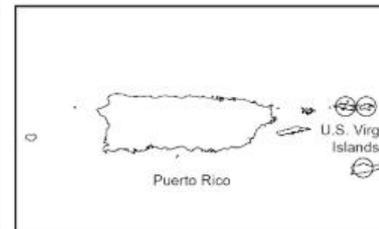
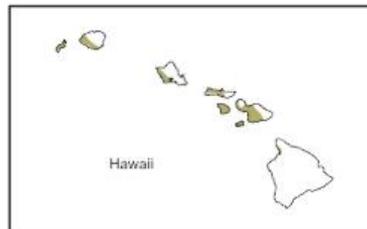


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to 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**
-  **No drought**

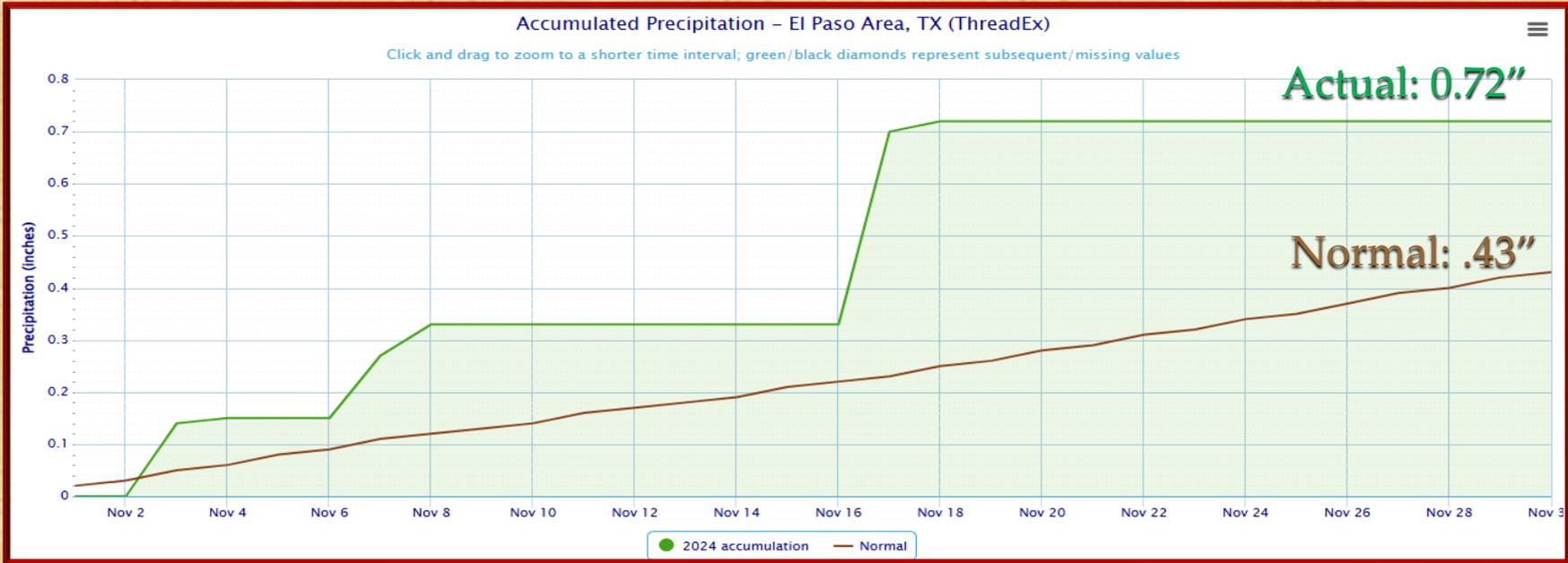
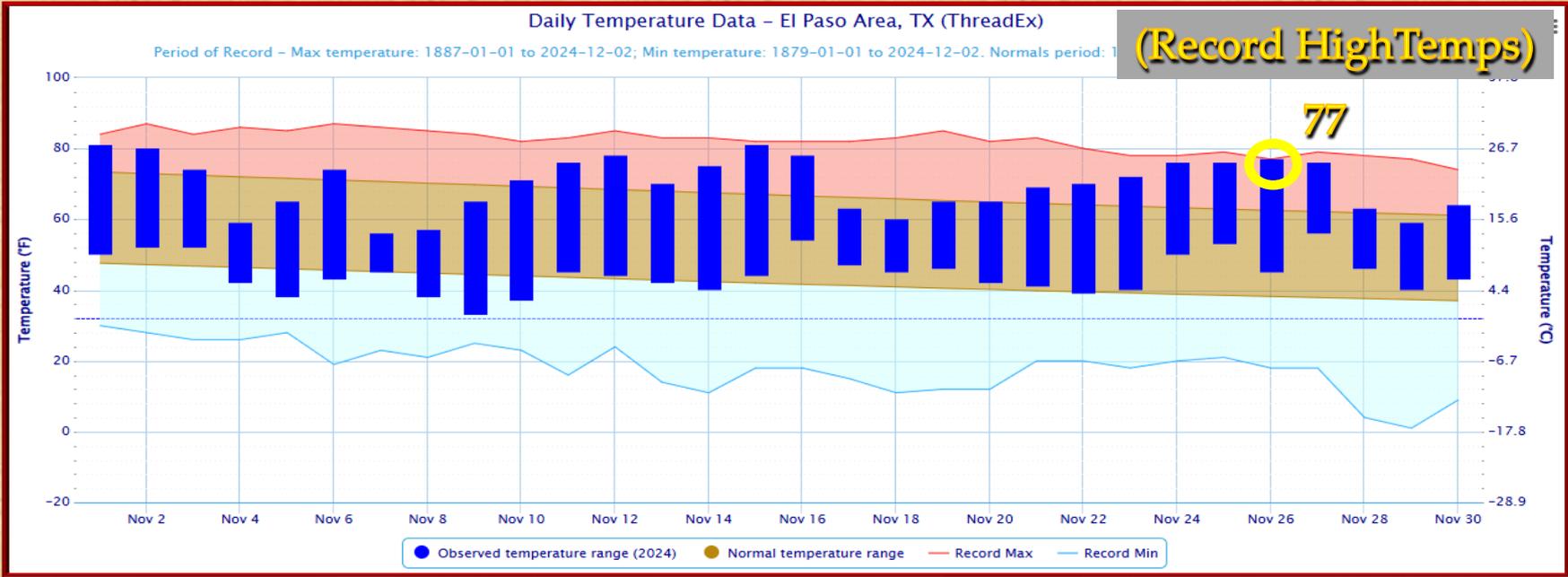
**Author:**  
Adam Hartman  
NOAA/NWS/NCEP Climate Prediction Center



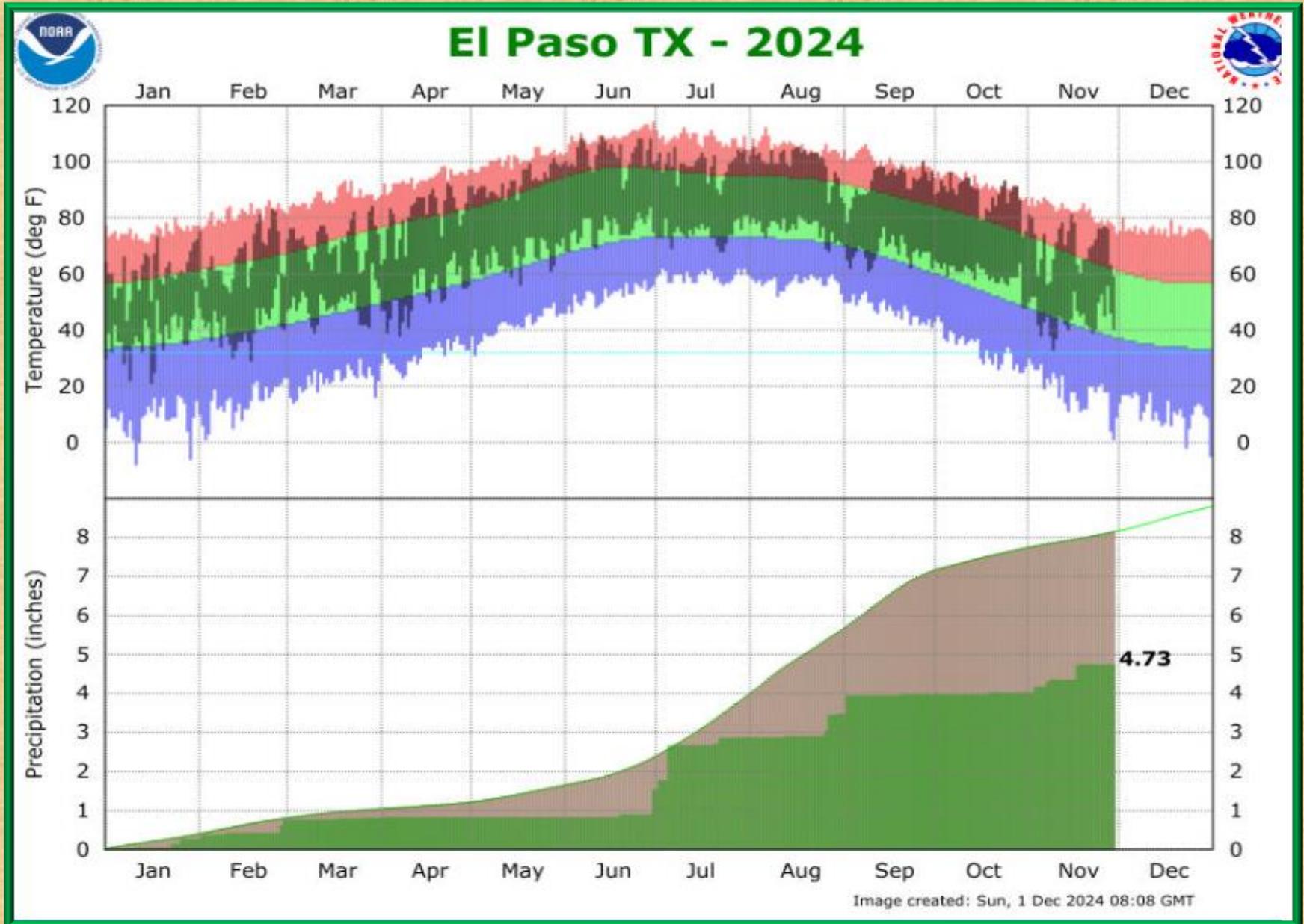
<https://go.usa.gov/3eZ73>

# Temperature and precipitation data for November 2024 in El Paso

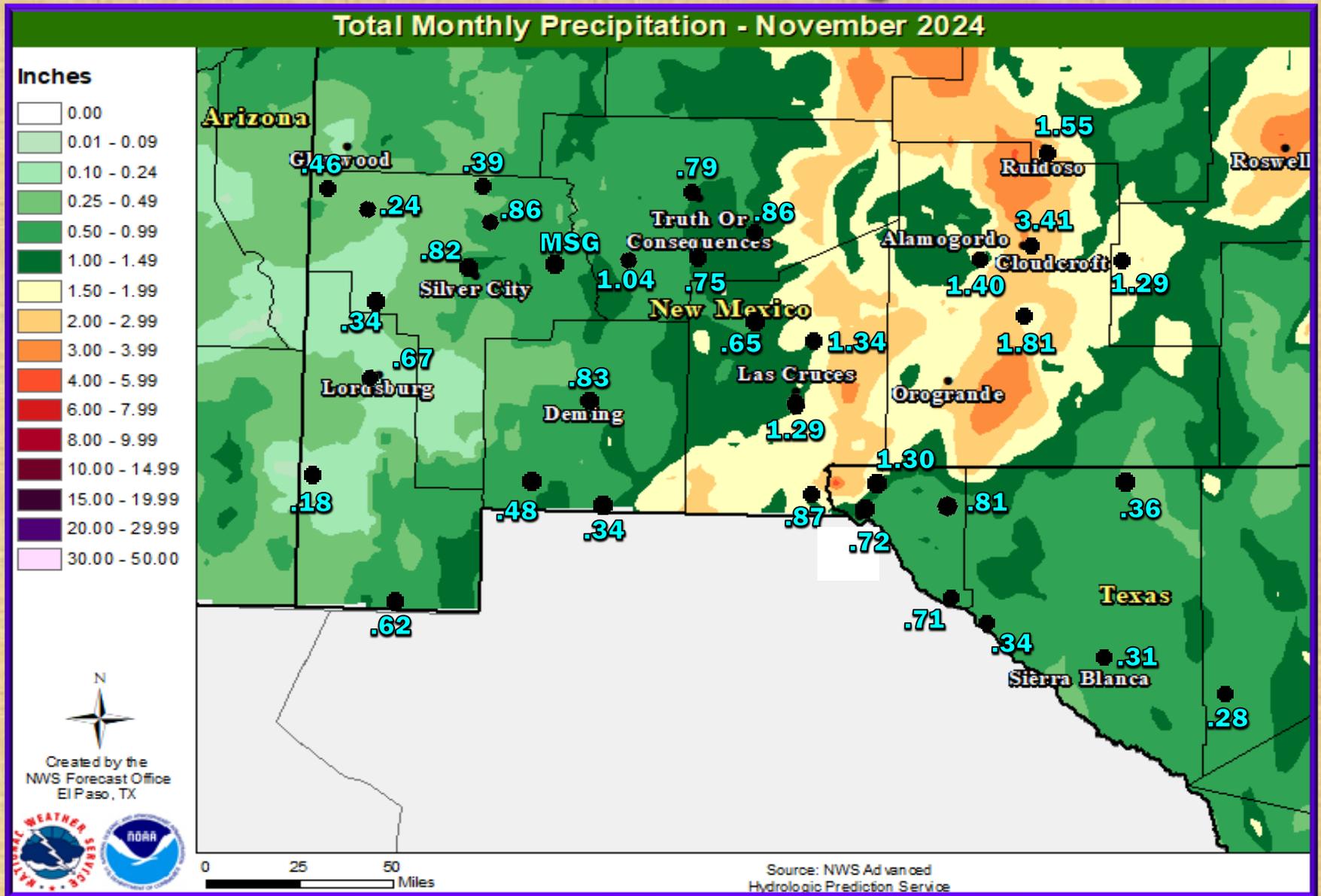
○ = record



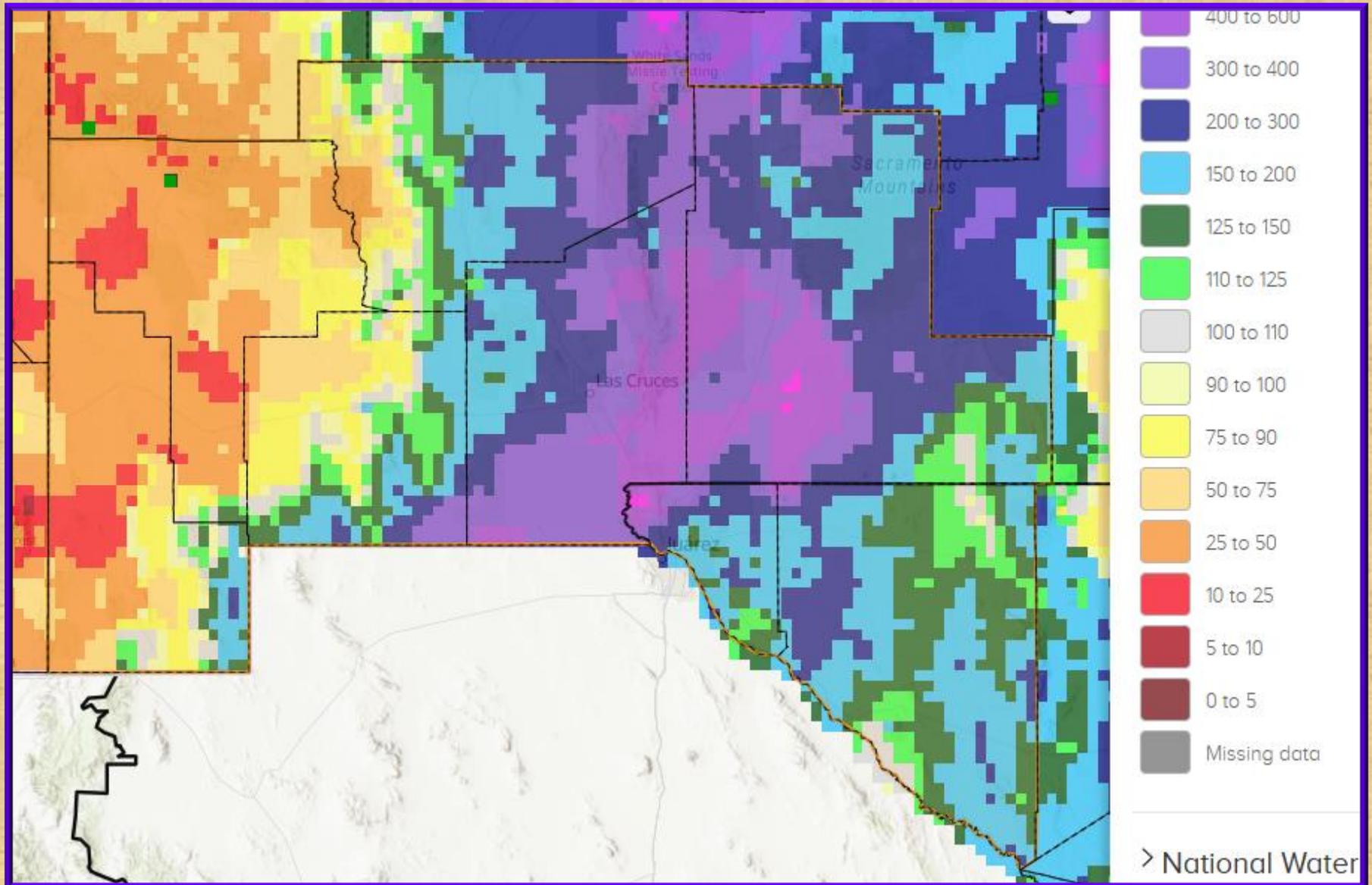
# Temperature and Precipitation Year-to-date for 2024 for El Paso



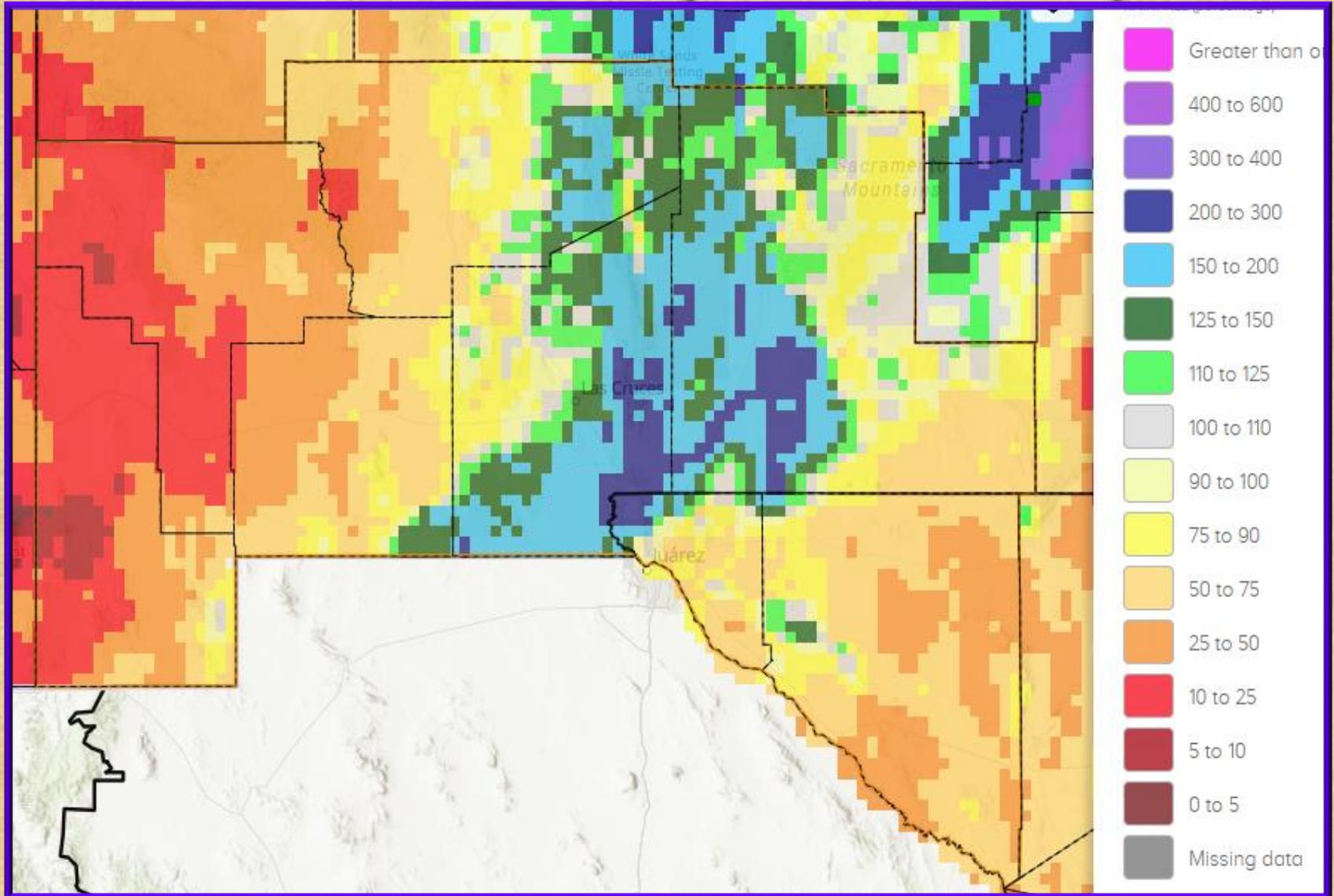
# November 2024 rainfall estimate with surface rainfall reports



# November 2024 rainfall estimate percent of normal



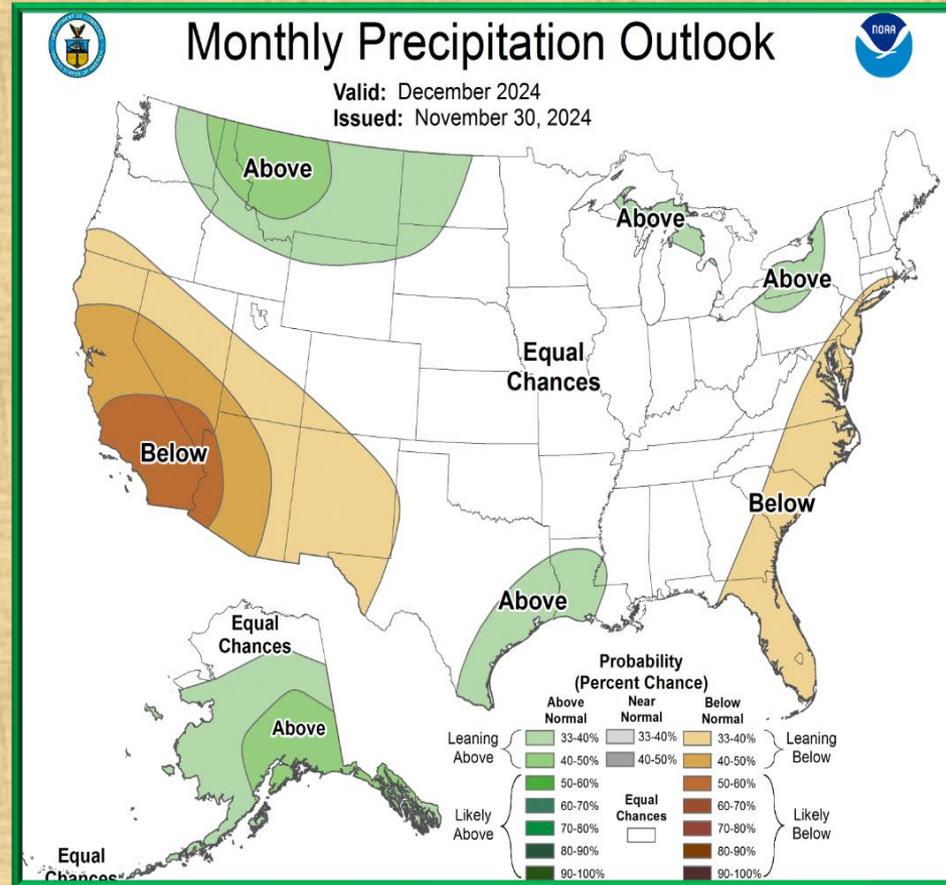
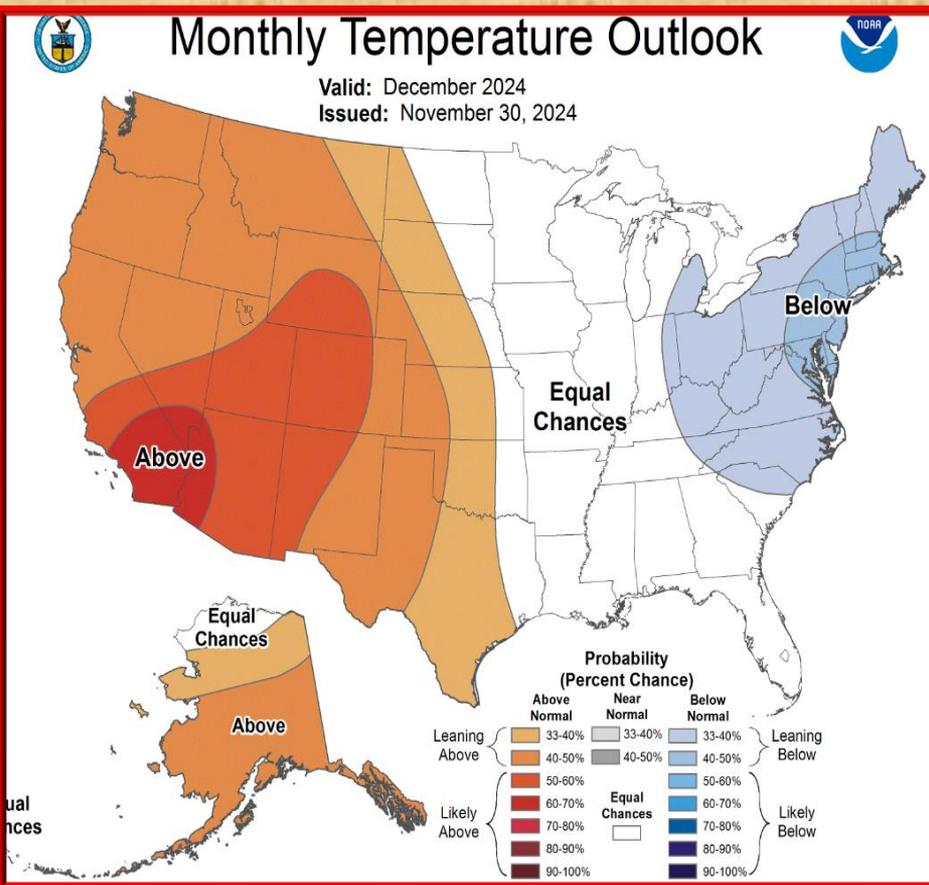
# Radar rainfall estimate percent of normal for the Water Year (Oct 1 – Nov 30)



# Temperature and precipitation outlook For Dec 2024

## Temperature

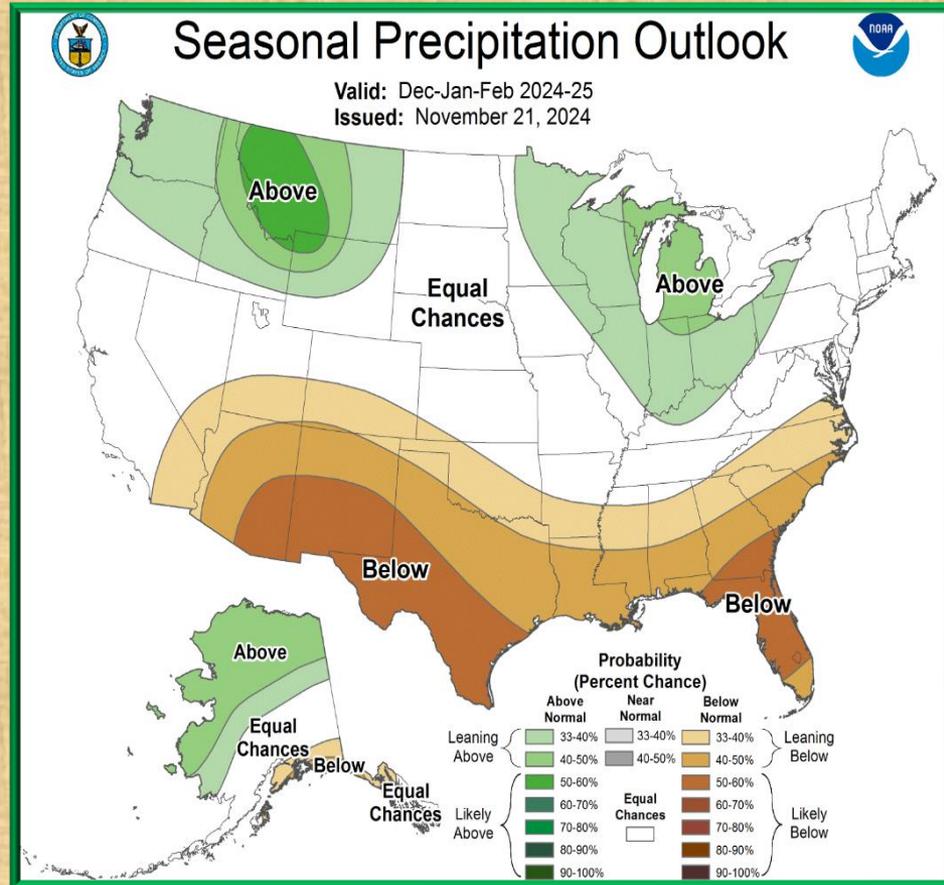
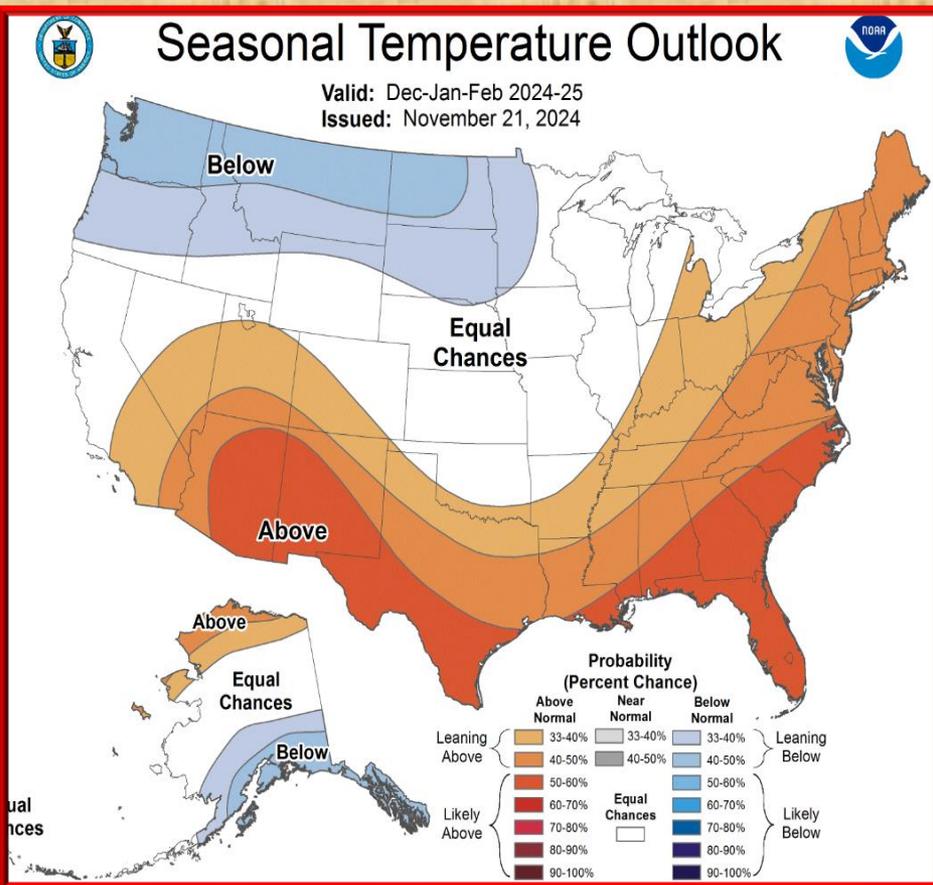
## Precipitation



# Temperature and precipitation outlook for Dec-Feb 2025

## Temperature

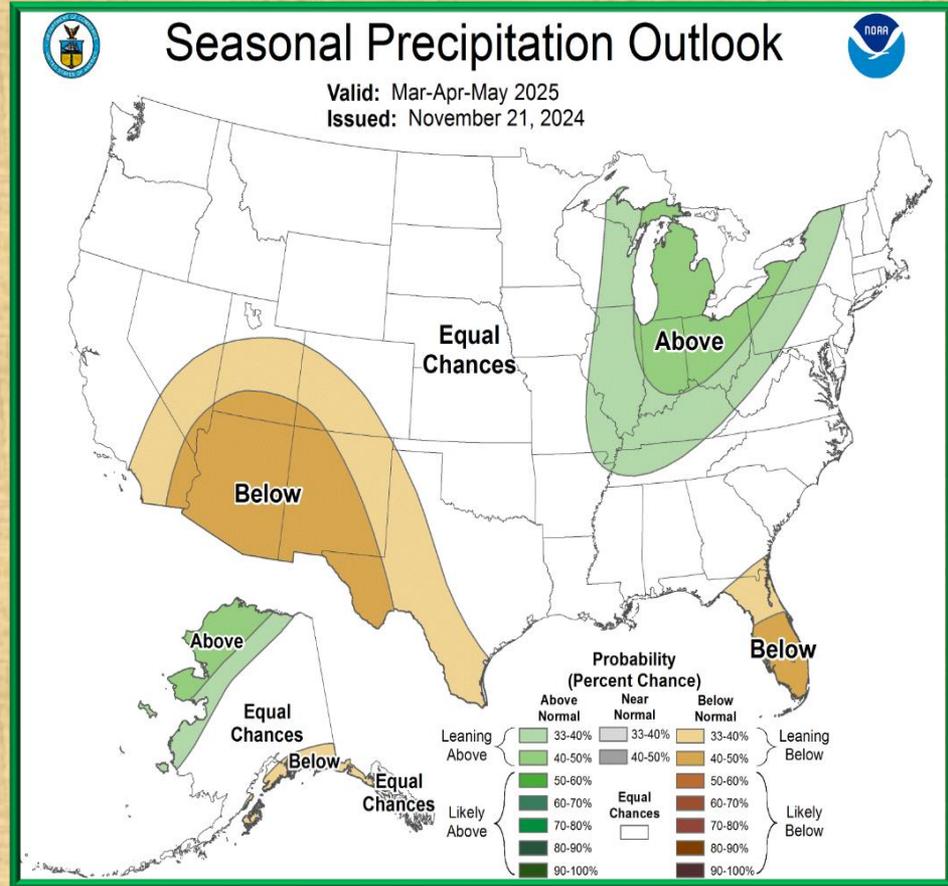
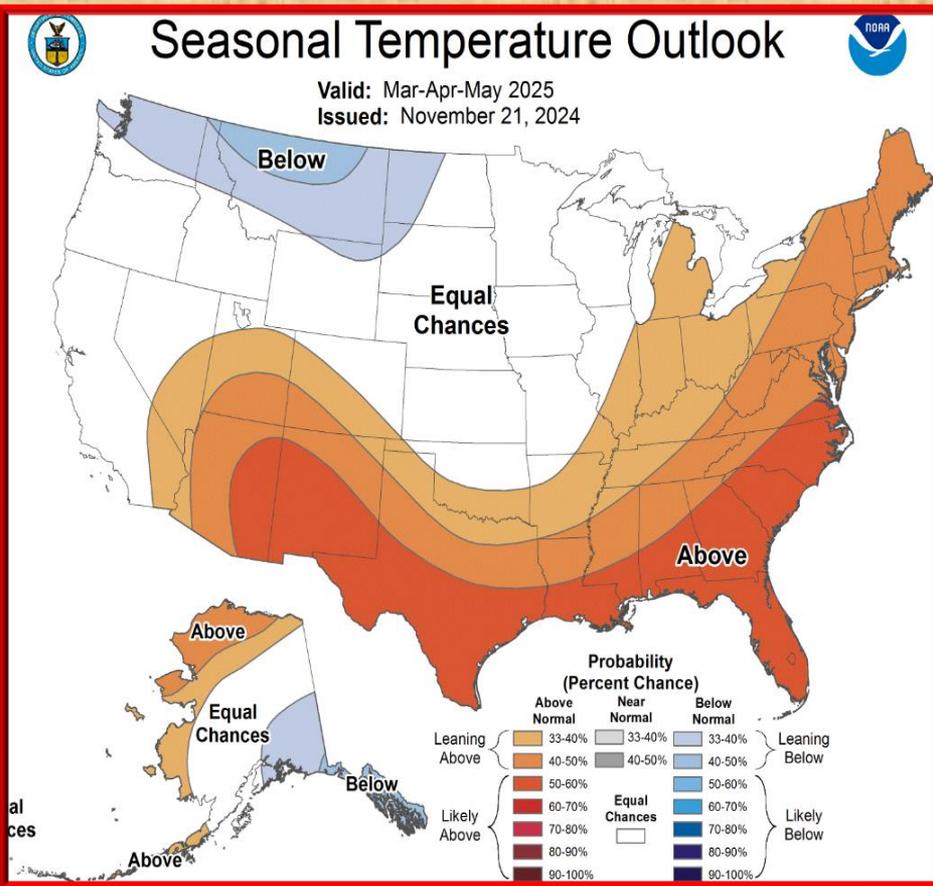
## Precipitation



# Temperature and precipitation outlook for Mar-May 2025

## Temperature

## Precipitation

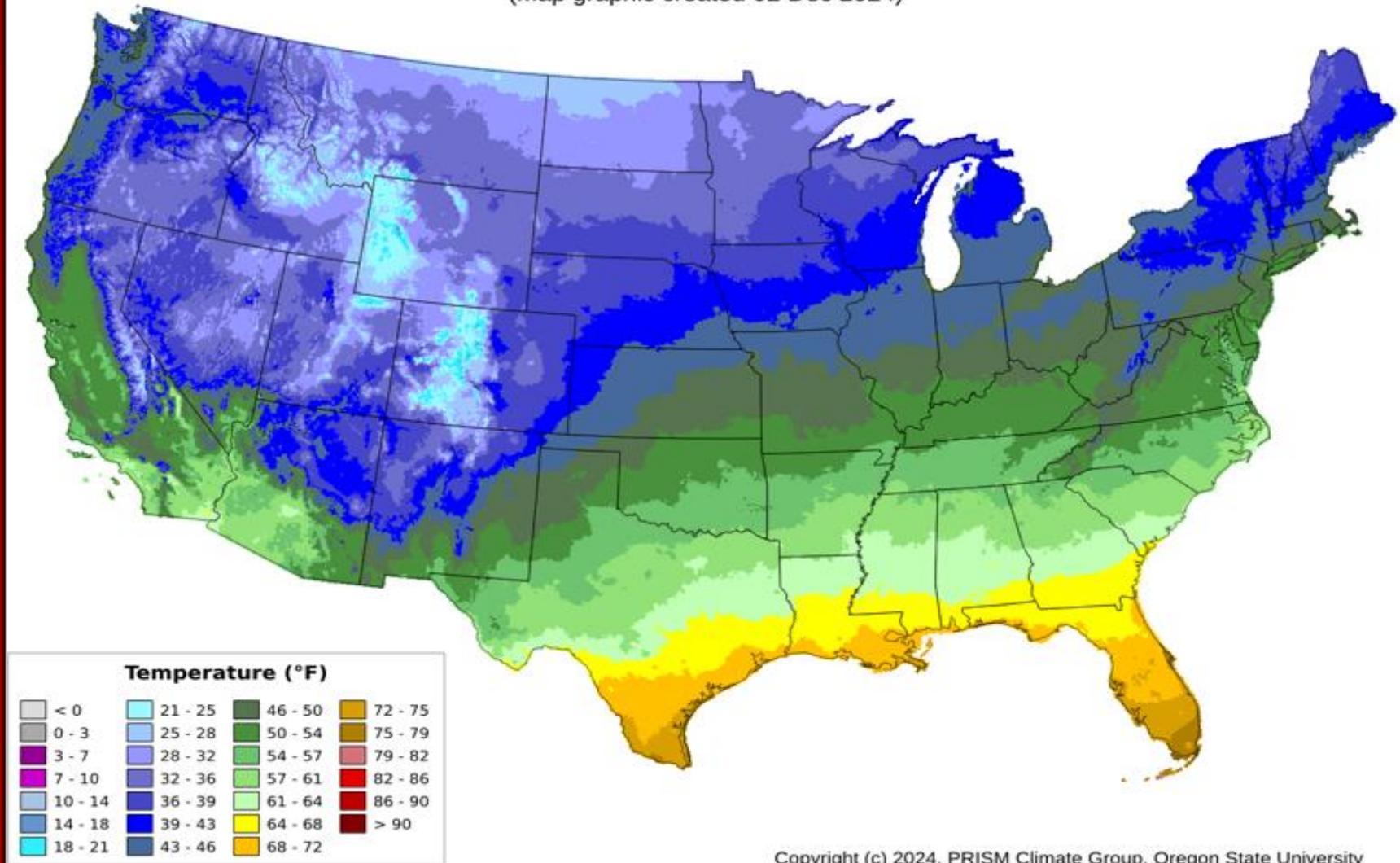


# Average Daily Mean Temperature for November 2024

Average Daily Mean Temperature: Nov 2024

Period ending 7 AM EST 30 Nov 2024

(Map graphic created 02 Dec 2024)

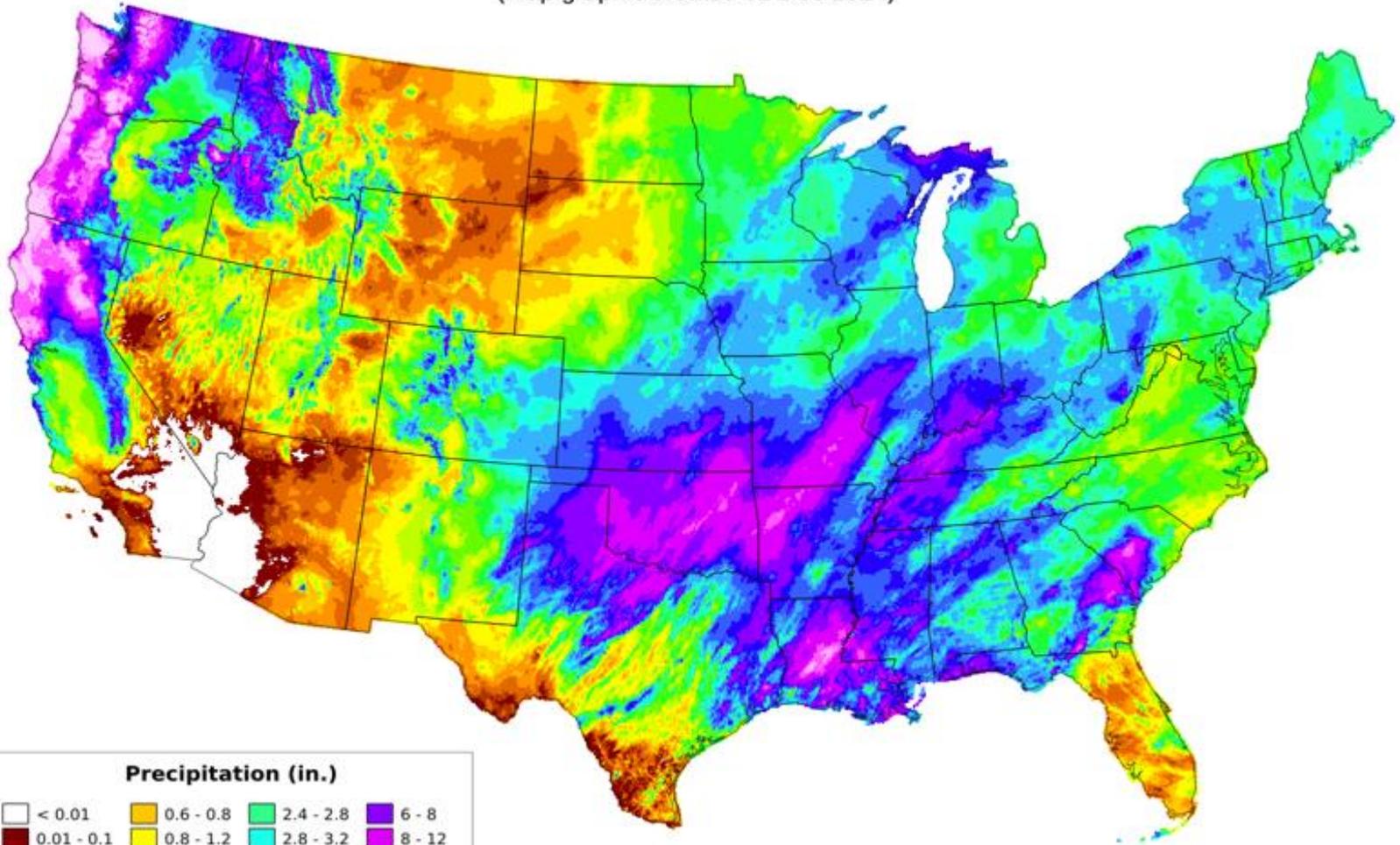


# Total Precipitation for November 2024

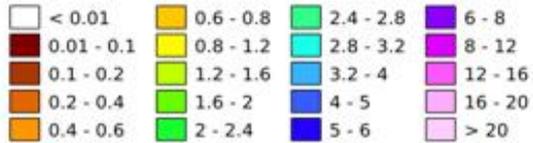
Total Precipitation: Nov 2024

Period ending 7 AM EST 30 Nov 2024

(Map graphic created 02 Dec 2024)



## Precipitation (in.)



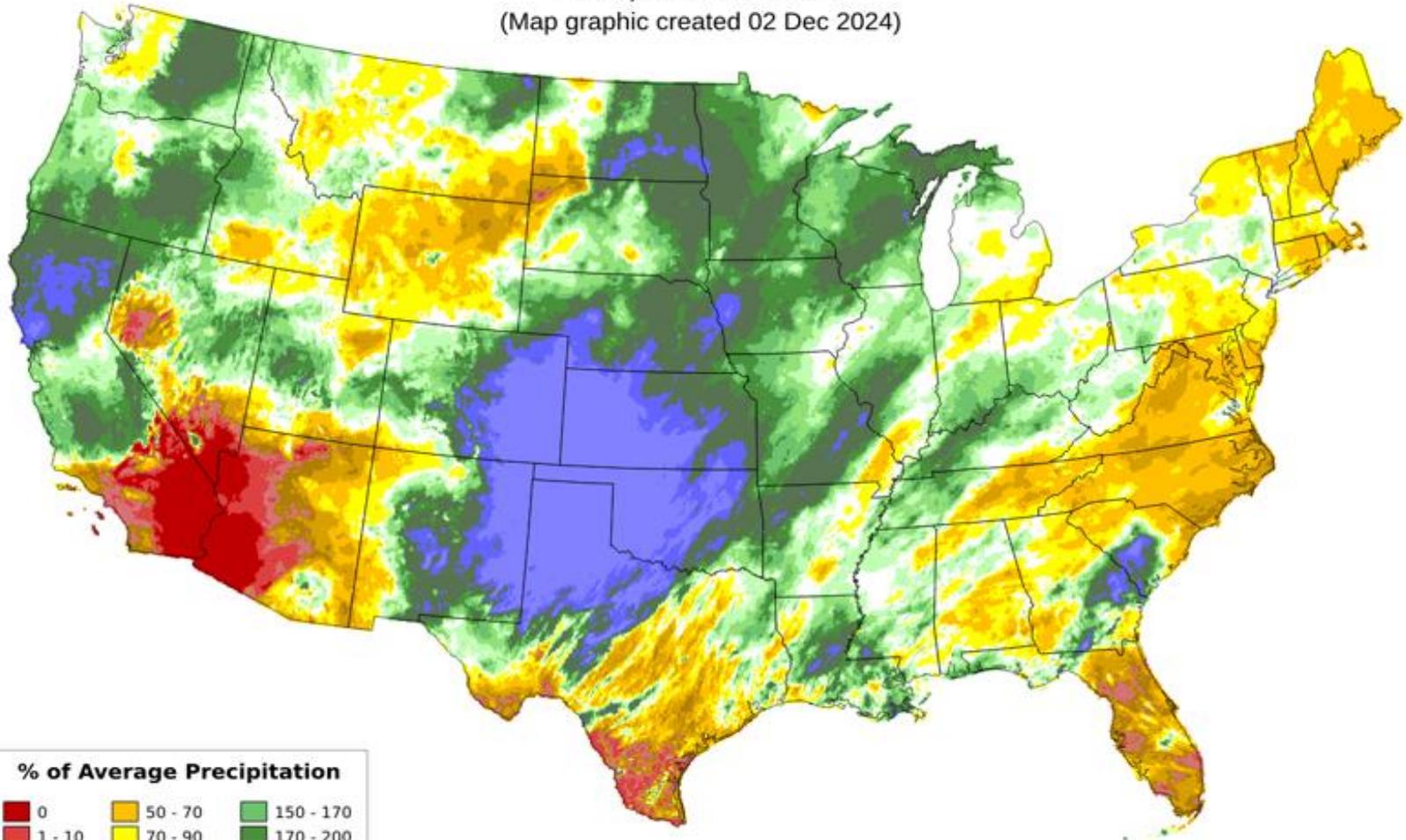
# Percent of Normal Precipitation for November 2024

Total Precipitation Anomaly: Nov 2024

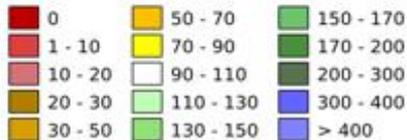
Period ending 7 AM EST 30 Nov 2024

Base period: 1991-2020

(Map graphic created 02 Dec 2024)



## % of Average Precipitation



# Special Features

[www.weather.gov/epz/elpwindrosedata](http://www.weather.gov/epz/elpwindrosedata)

Month: NOVEMBER

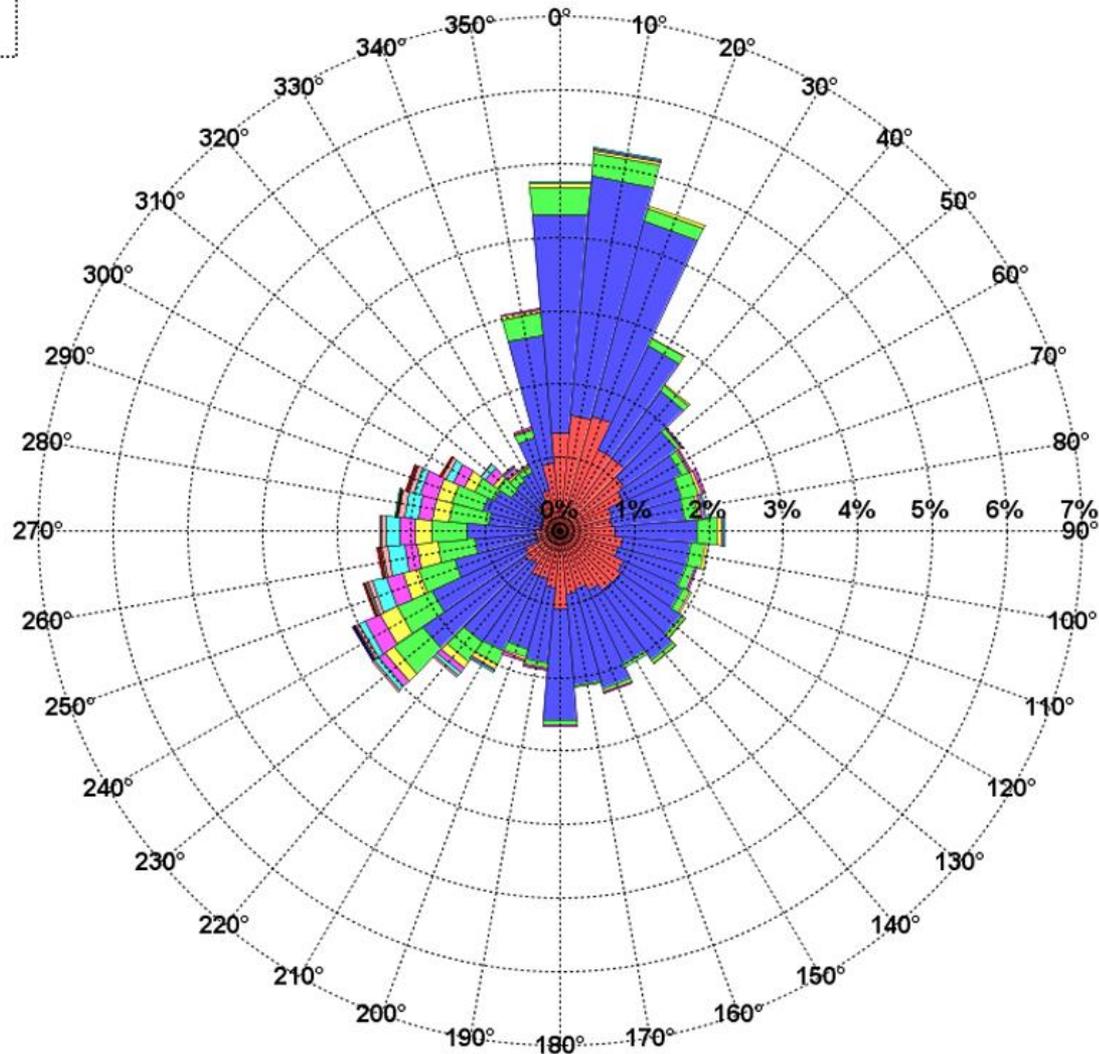
Calm: 12.23%

Variable: 2.30%

WindRose - KELP - EL PASO INTL

% Frequency of Wind Speed from a Direction

POR:19730101-20140602



Local forecast by "City, St" or ZIP code  
 Enter location ...   
[Location Help](#)

**Heavy Rain and Flash Flooding Possible Over Parts of the Eastern United States**  
 Heavy rainfall is expected over portions of the eastern United States through Thursday. Flooding and flash flooding will be possible in some areas. Click the "Read More" link for excessive rainfall forecasts from the Weather Prediction Center. [Read More >](#)

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[Weather.gov > El Paso, TX](#)

El Paso, TX  
 Weather Forecast Office

Current Hazards   Current Conditions   Radar   Forecasts   Rivers and Lakes   Climate and Past Weather   **Local Programs**

**Today**

**Wednesday**  
 Warmer with a Few Afternoon Storms

Weather Forecast Office  
**El Paso, TX**  
 September 27, 2016 4:43 PM

Local forecast by "City, St" or ZIP code  
 Enter location ...   
[Location Help](#)

**Heavy rain expected across the Mid-Atlantic region and central Appalachians.**  
 Heavy rainfall is possible over portions of the eastern United States today, with the highest risk across the Mid-Atlantic and central Appalachians. Click the "Read More" link for excessive rainfall forecasts from the Weather Prediction Center. Afternoon showers and thunderstorms are possible over portions of the Southwest and southern Rockies through Friday. [Read More >](#)

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[Weather.gov > El Paso, TX > Monthly Weather Digest](#)

El Paso, TX  
 Weather Forecast Office

Current Hazards   Current Conditions   Radar   Forecasts   Rivers and Lakes   Climate and Past Weather   **Local Programs**

Southern New Mexico and Far West Texas has a variety of weather from month to month. Conditions can range from extreme drought, to heavy flooding rains, from record breaking heat to bone chilling cold. Below you will find past weather highlights from the area that the NWS office in Santa Teresa NM covers. This area includes the following counties in New Mexico: Hudspeth, Grant, Luna, Sierra, Doña Ana and Otero and the following counties in Texas: El Paso and Hudspeth.

WEATHER DIGESTS AND BULLETINS	
Weather Digest	Southwest Weather Bulletins
<a href="#">January</a>	2005 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">February</a>	2006 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">March</a>	2007 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">April</a>	2008 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">May</a>	2009 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">June</a>	2010 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">July</a>	2011 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">August</a>	2012 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">September</a>	2013 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">October</a>	2014 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">November</a>	
<a href="#">December</a>	

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**[www.weather.gov/epz/](http://www.weather.gov/epz/)**

**Just click on "Local Programs>Weather Digest", then choose which month's Digest to view. Also, though discontinued, don't forget to check out our back issues of Southwest Weather Bulletin.**

[weather.gov/epz](http://weather.gov/epz)