

October 2023 Weather Digest



October 2023 Weather Summary

The main story for October was a continuation of dry and abnormally warm weather which characterized most of the summer season. Much of southern New Mexico and west Texas saw well below normal rainfall, with the exception of much of Sierra County which enjoyed normal to above normal rainfall. Temperatures once again were very warm, with several days tallying record high temperatures for many sites. The average maximum temperature ran about 2 to 5 degrees above normal around the area. With these warm temperatures the area was able to last through the end of the month without any measurable snowfall. Typically the higher mountains see some snow by mid to late October.

The only weather action came towards the end of the month. On October 24-25, a Pacific storm was able to scoop up some sub-tropical moisture and bring it over the area. This was the only period that most sites received any rain for the month. Then on the 30th, a strong arctic cold front swept across the area, lowering temperatures some 25 to 30 degrees from previous days.

October 2023 Weather Summary

Looking ahead to November, most or all of the lowlands will experience their first freeze, usually by mid month. Most of the higher elevation mountain sites begin receiving occasional snowfall. The daylight continues to decrease and also shifts as we revert back to standard time from daylight time. Daylight length in El Paso decreases from 10 hours, 54 minutes on the first day to 10 hours, 14 minutes on the last day. Temperatures continue to decrease also, as El Paso's average high temperature on November 1st is 73 degrees, while on November 30th it is 61 degrees.

For the lunar fans out there, our November full moon occurs on the 27th, also known as the Beaver Moon. The new moon will occur on the 13th. No solar or lunar eclipses are on the schedule for November.

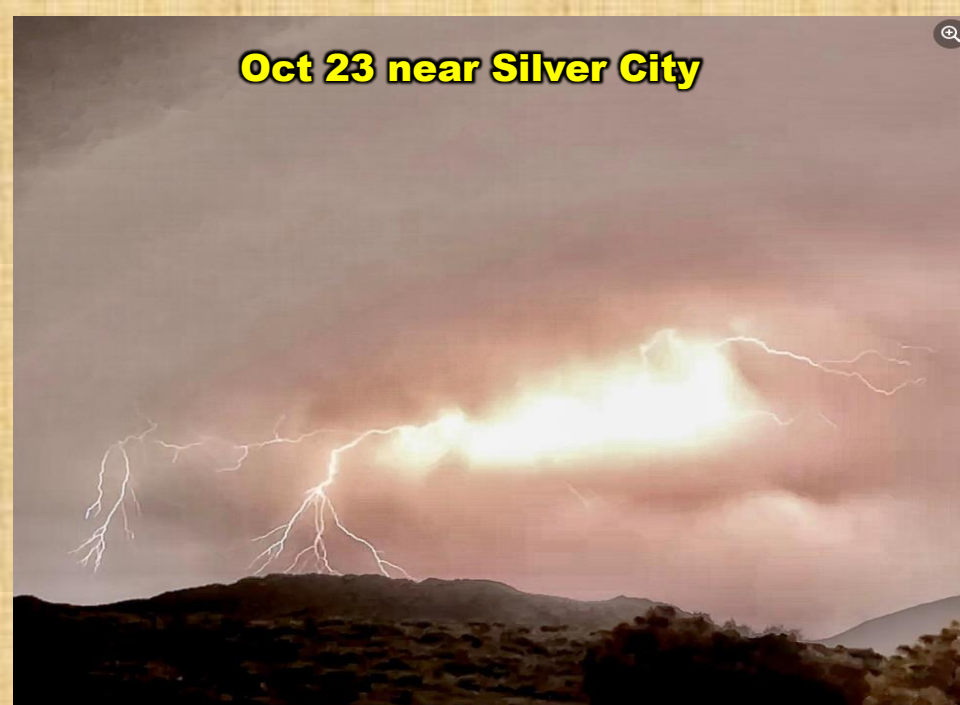
Oct 17 near Cliff



**Oct 19 Prescribe burn
near Signal Peak**



Oct 23 near Silver City



Oct 23 near Silver City



Oct 24 near Silver City



Oct 23 near Silver City



Oct 24 Lake Roberts



Oct 31 chilly morning at Lake Roberts



Oct 24 near White Signal



Oct 23 near White Signal



ENSO Alert System Status: El Niño Advisory is in Effect

ENSO Alert System

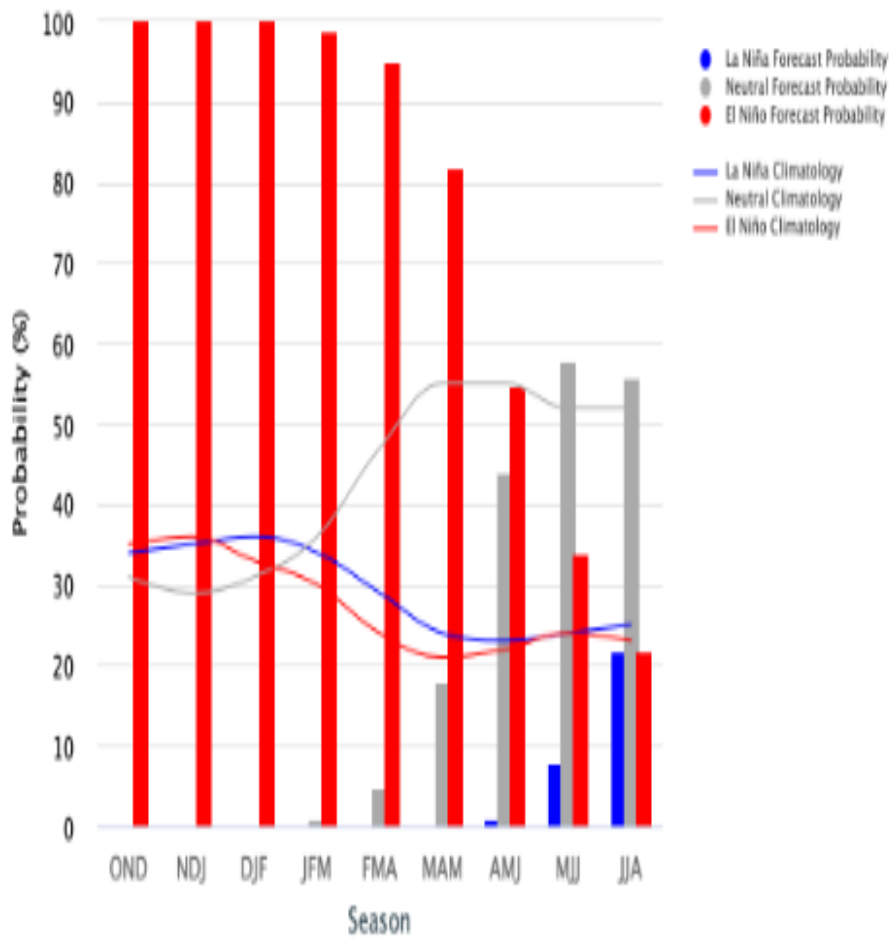
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

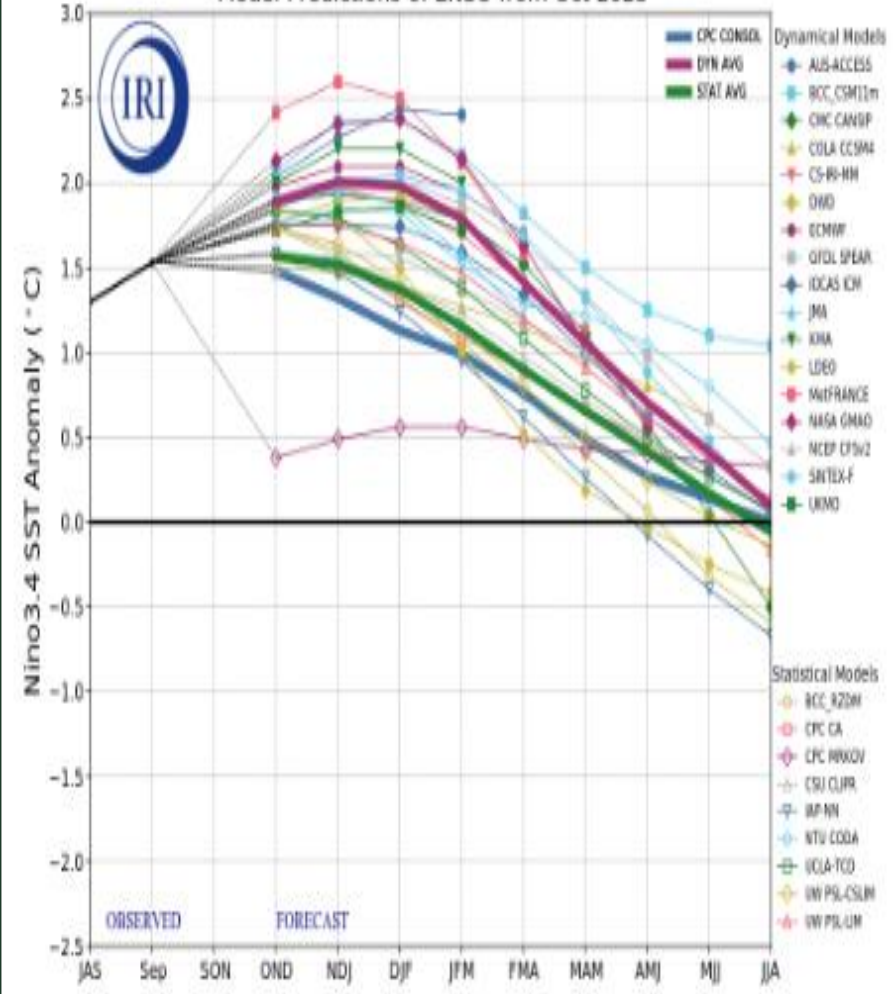
ENSO is in El Niño status and is expected to increase in strength over the next several months. Expected to remain through at least the spring of 2024.

Mid-October 2023 IRI Model-Based Probabilistic ENSO Forecasts

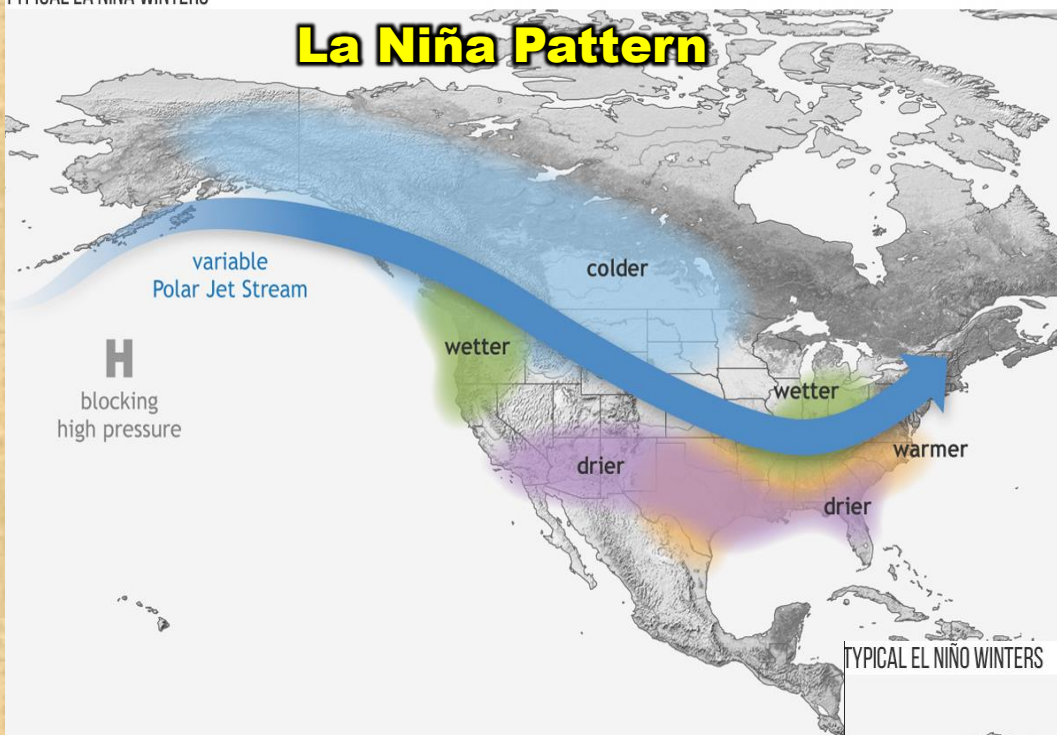
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5 °C to 0.5 °C



Model Predictions of ENSO from Oct 2023

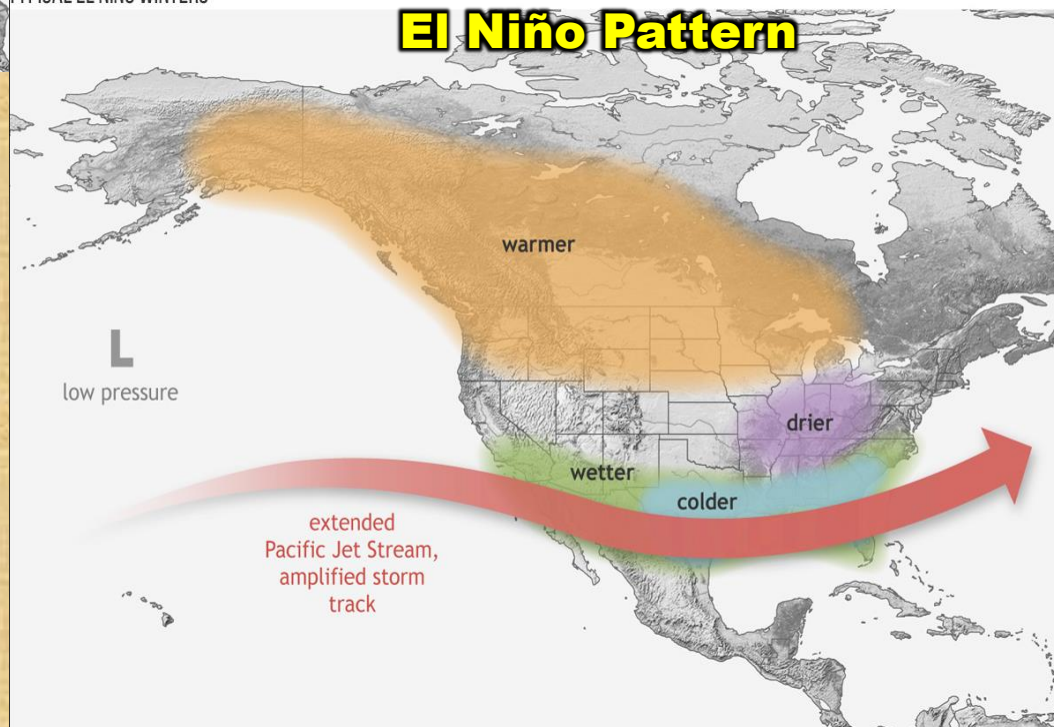


La Niña Pattern



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



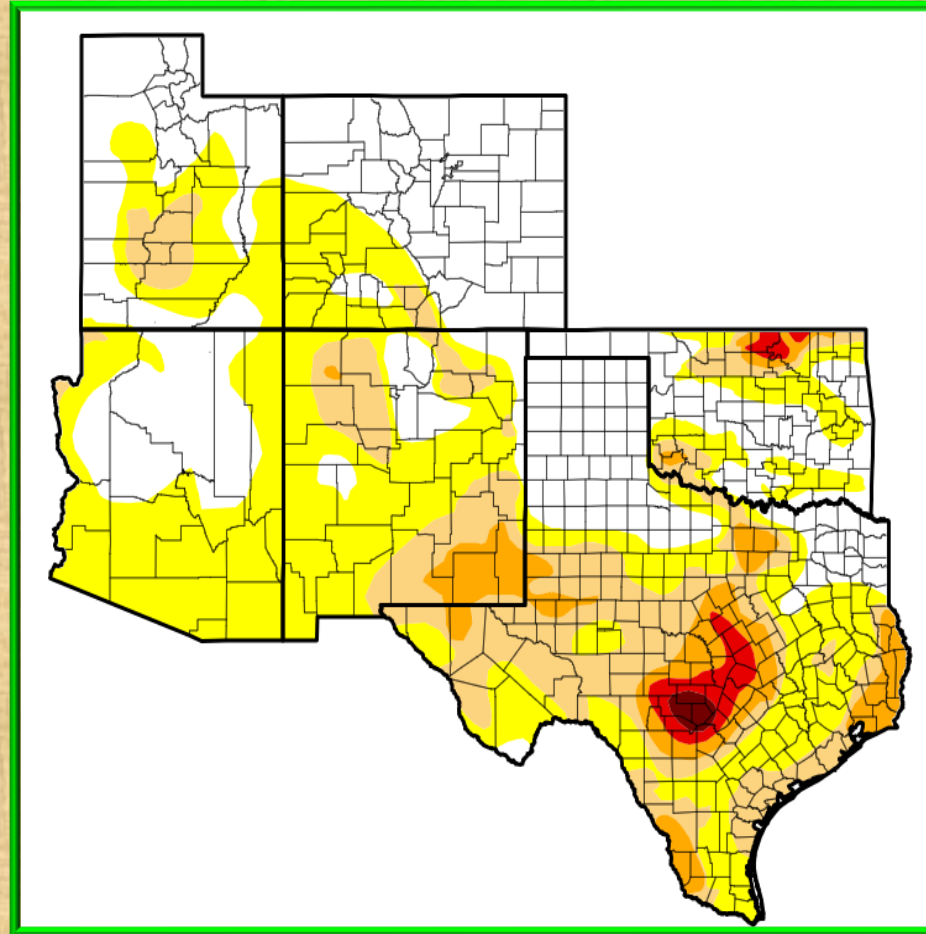
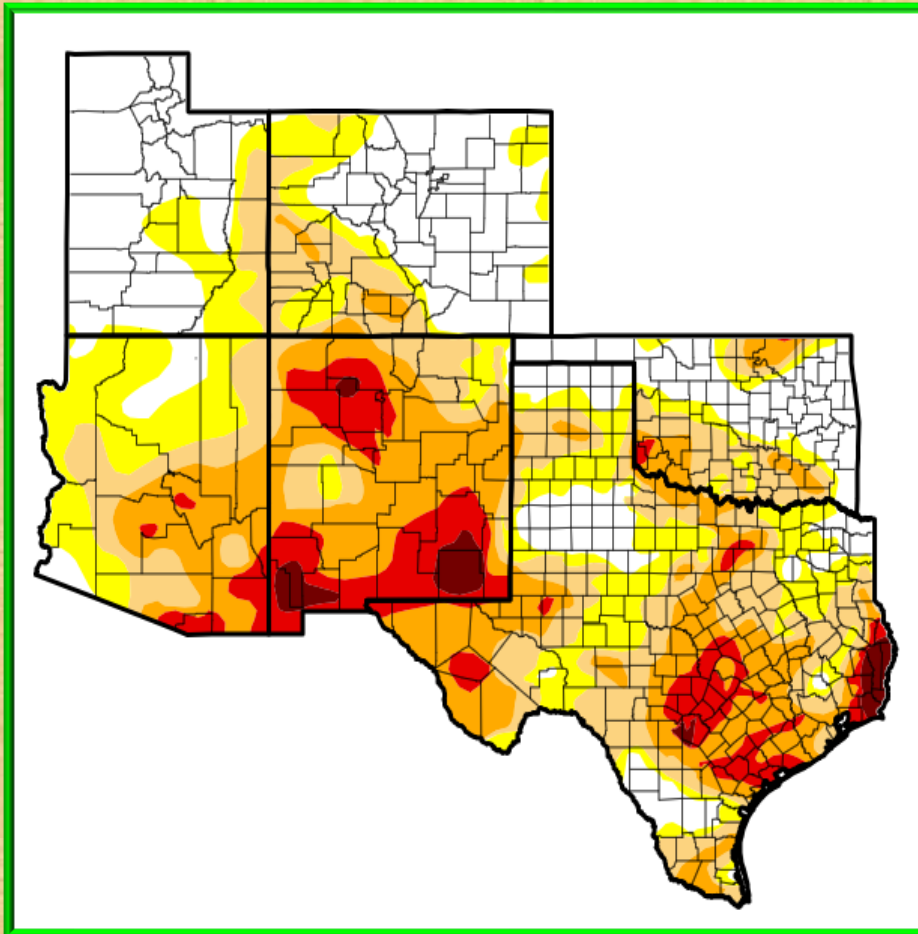
With El Niño, we often see the opposite pattern where the eastern Pacific ridge of high pressure is often weak or non-existent, allowing winter storms to sweep across the southern U.S. This typically will give the southwestern U.S. above normal precipitation.

Current drought conditions and 3 month change

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

Oct 31, 2023

Jul 25, 2023



Precipitation for the Water Year Oct 1 –Sep 30, 2024

Compare to last few years and average values

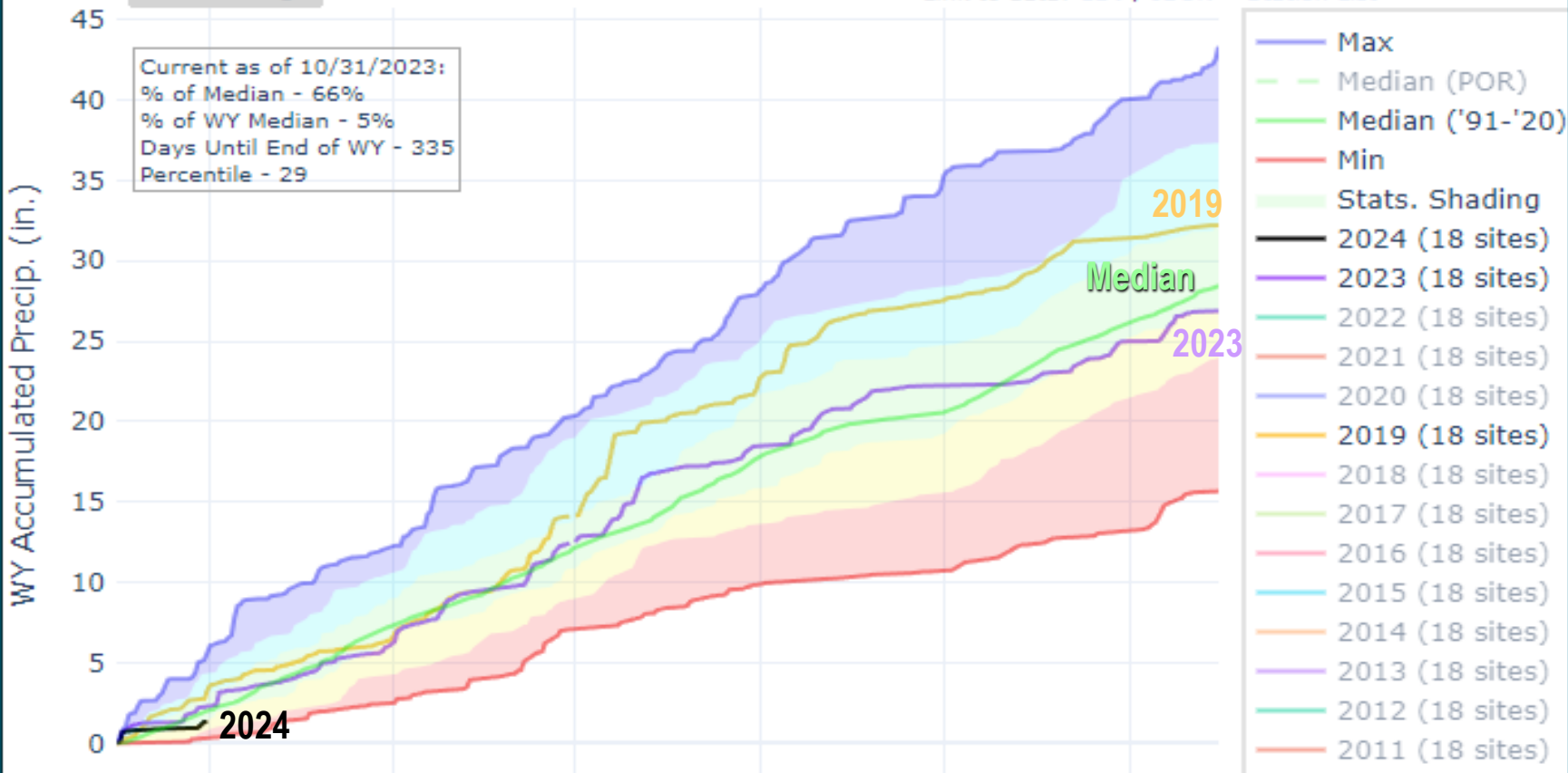
PRECIPITATION IN UPPER RIO GRANDE

Reset Range

Link to data: [CSV](#) / [JSON](#)

Station List

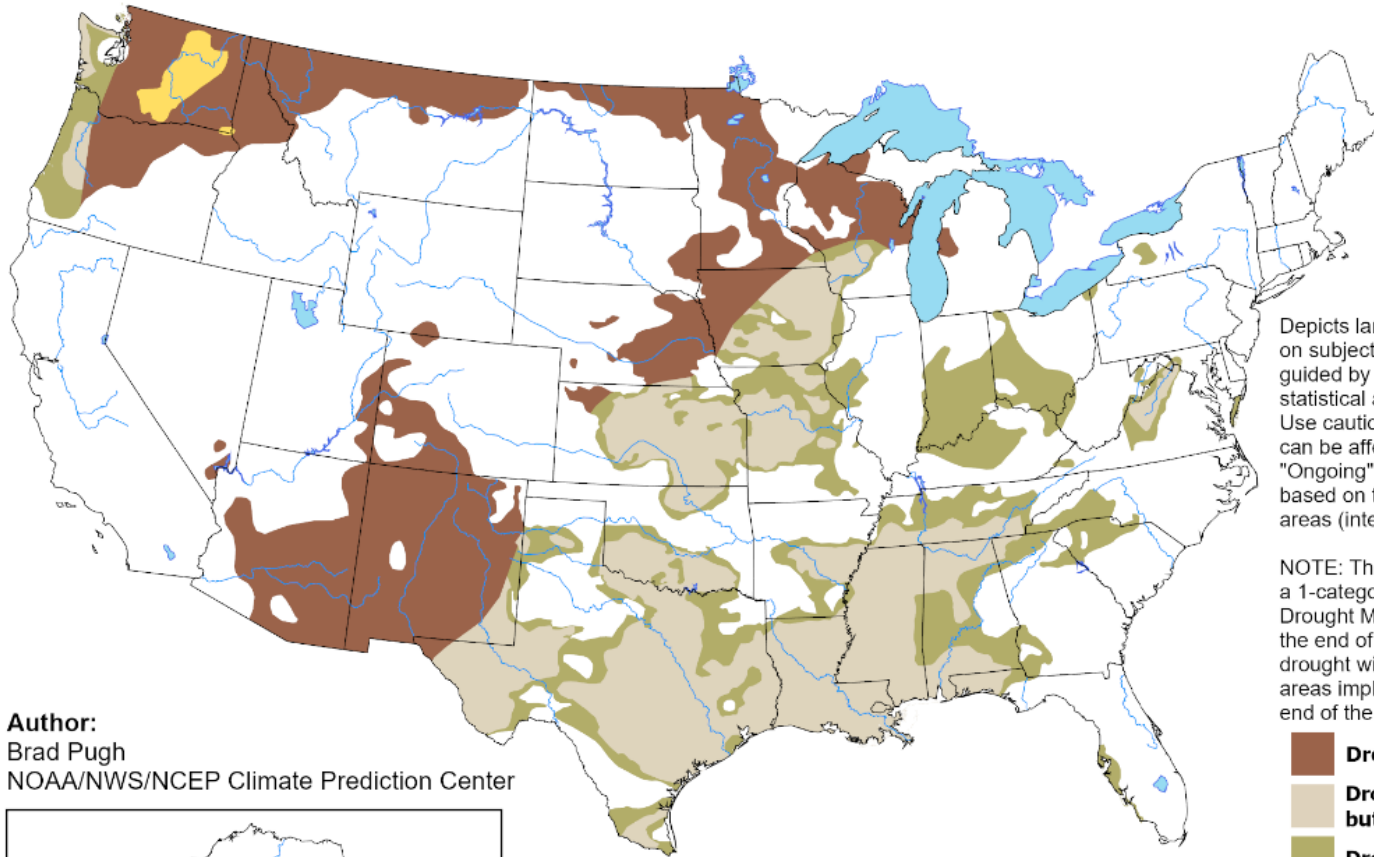
Current as of 10/31/2023:
 % of Median - 66%
 % of WY Median - 5%
 Days Until End of WY - 335
 Percentile - 29



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for October 19, 2023 - January 31, 2024
Released October 19, 2023

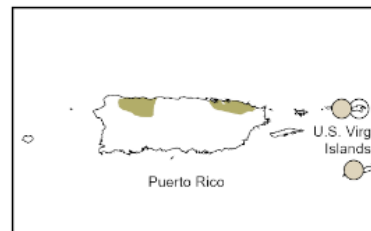
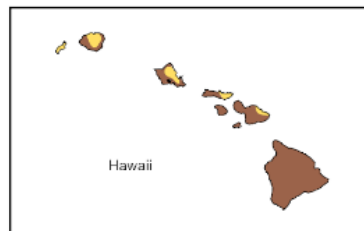


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to 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**

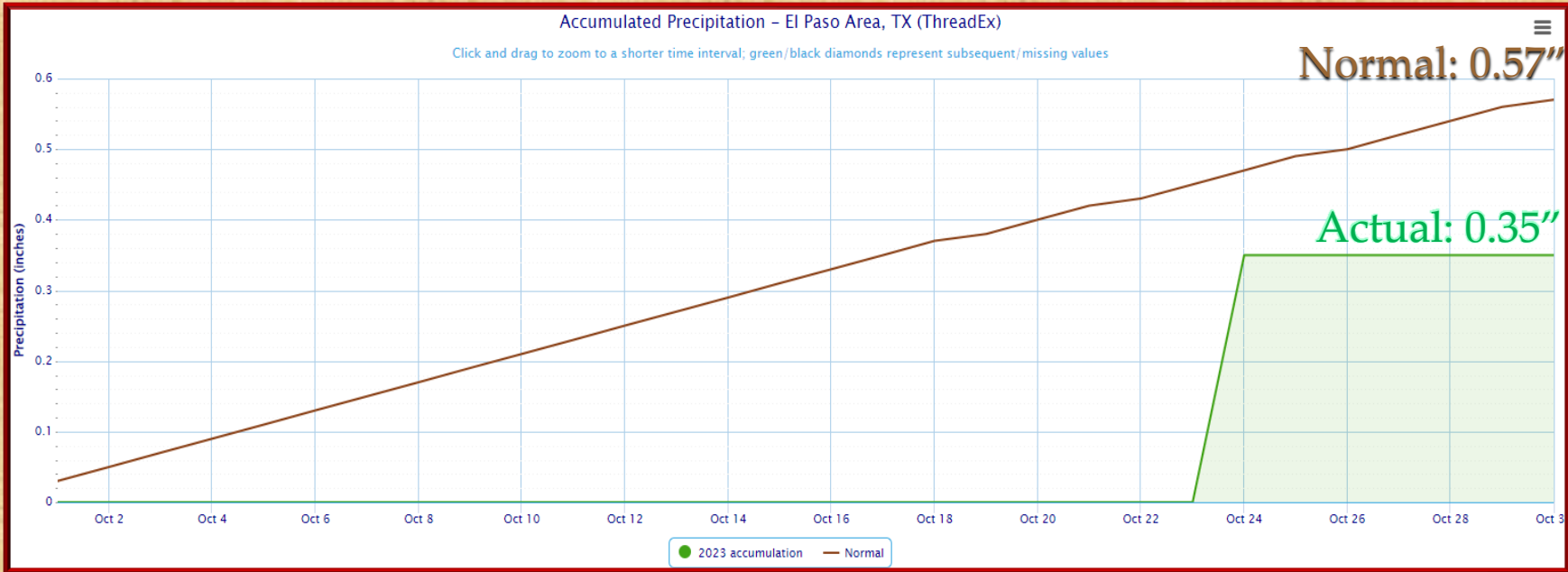
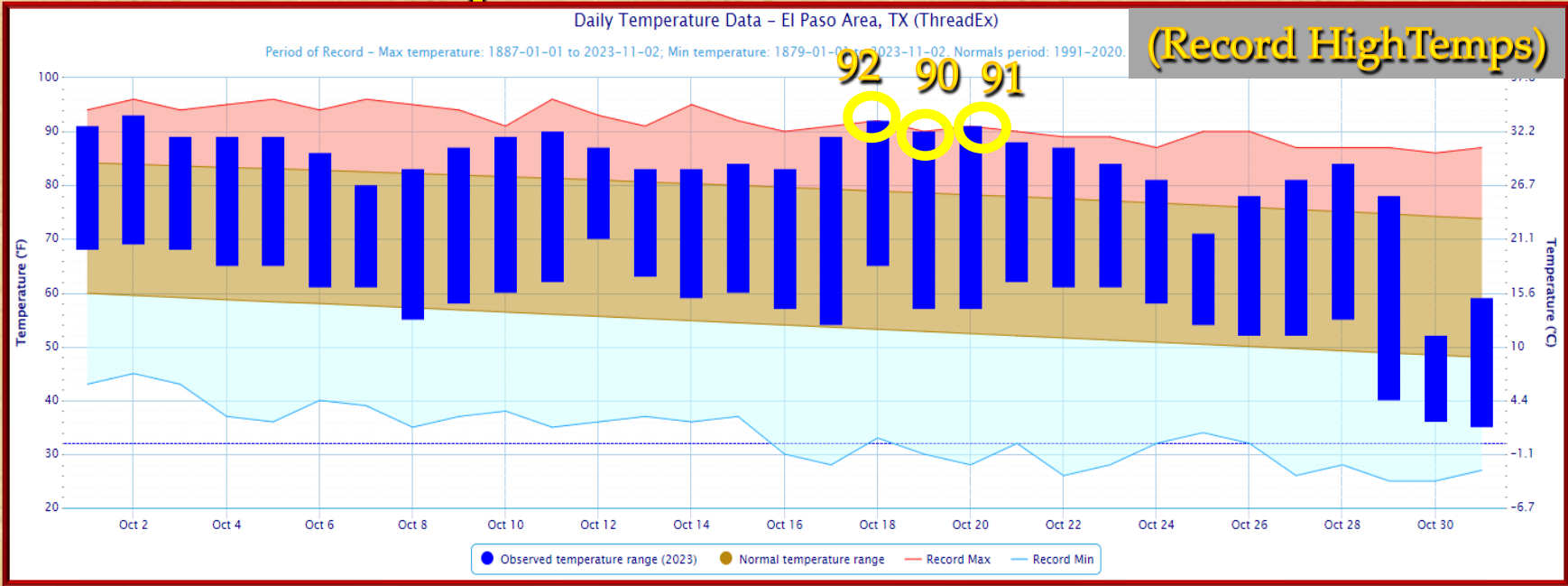
Author:
Brad Pugh
NOAA/NWS/NCEP Climate Prediction Center



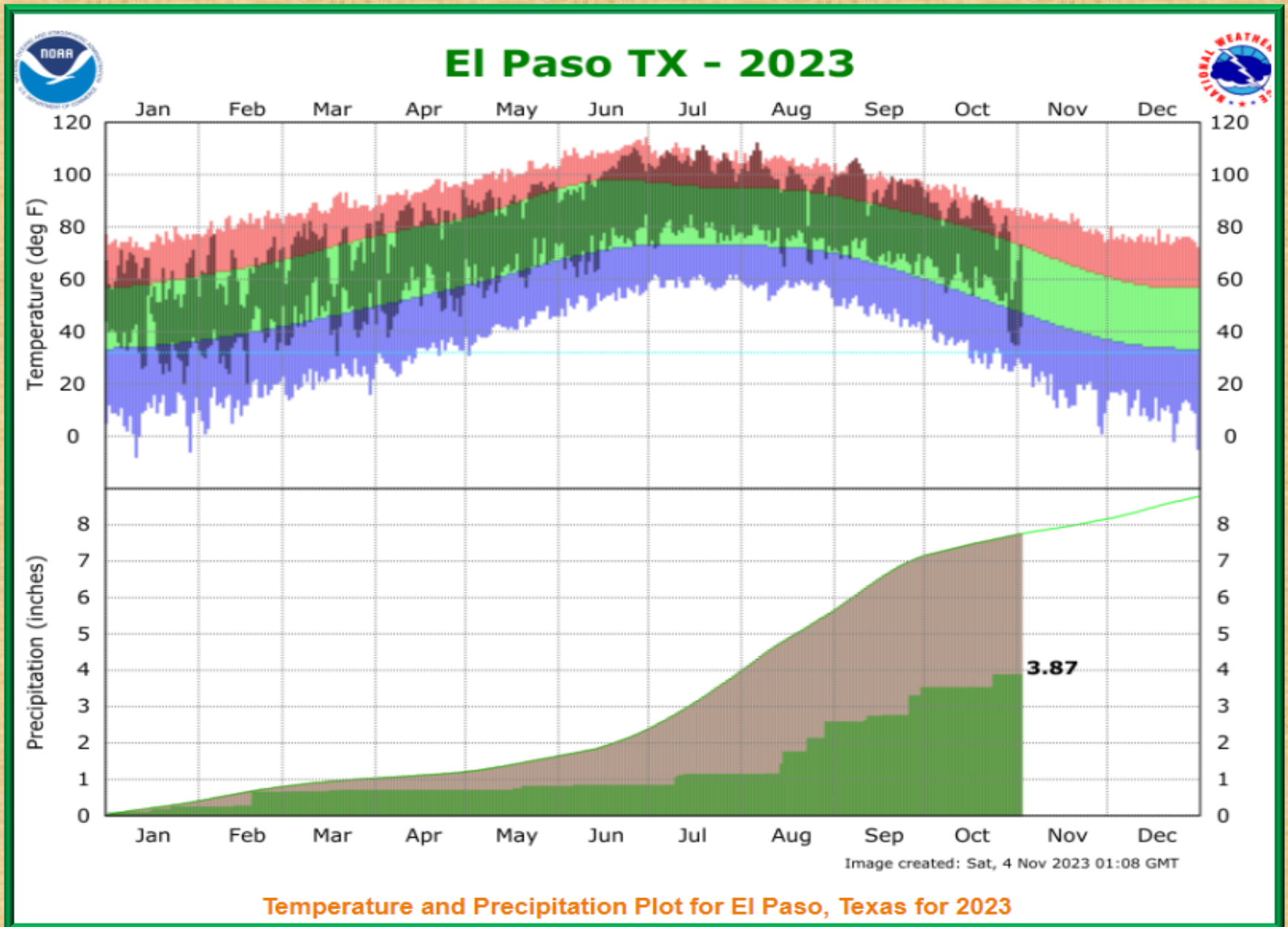
<https://go.usa.gov/3eZ7>

Temperature and precipitation data for September 2023 in El Paso

○ = record

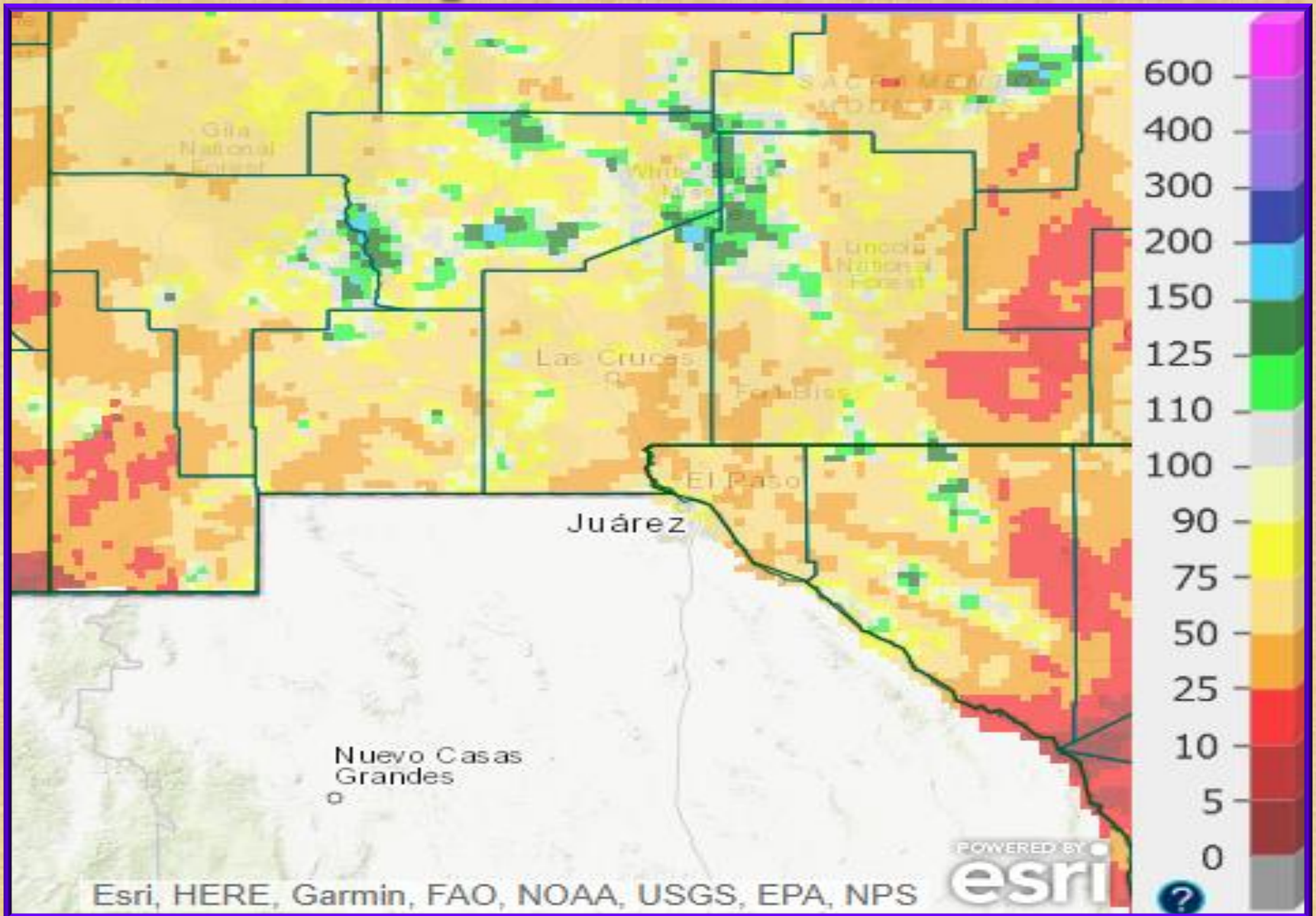


Temperature and Precipitation for 2023 YTD for El Paso

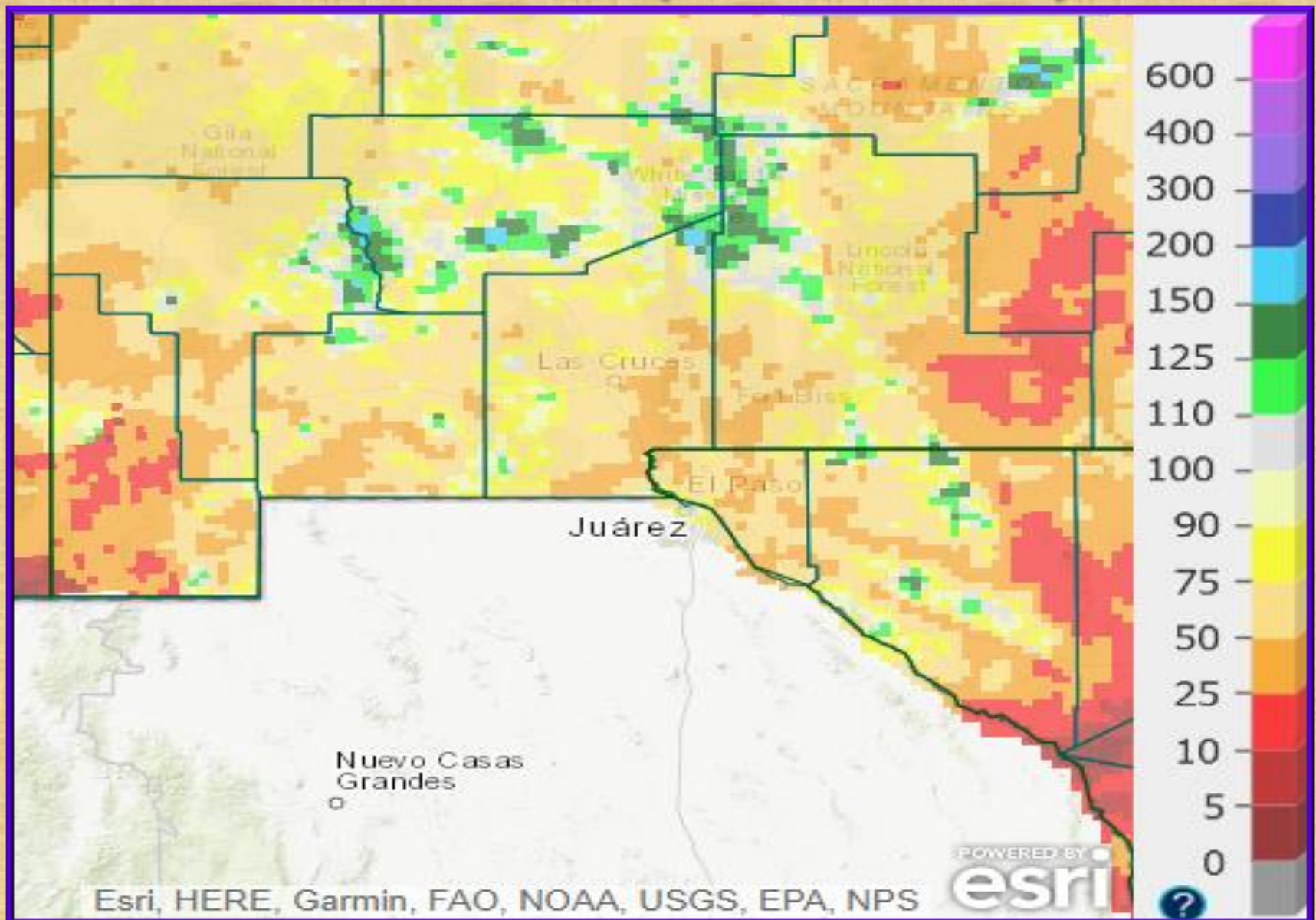


Temperature and Precipitation Plot for El Paso, Texas for 2023

October 2023 rainfall estimate percent of normal



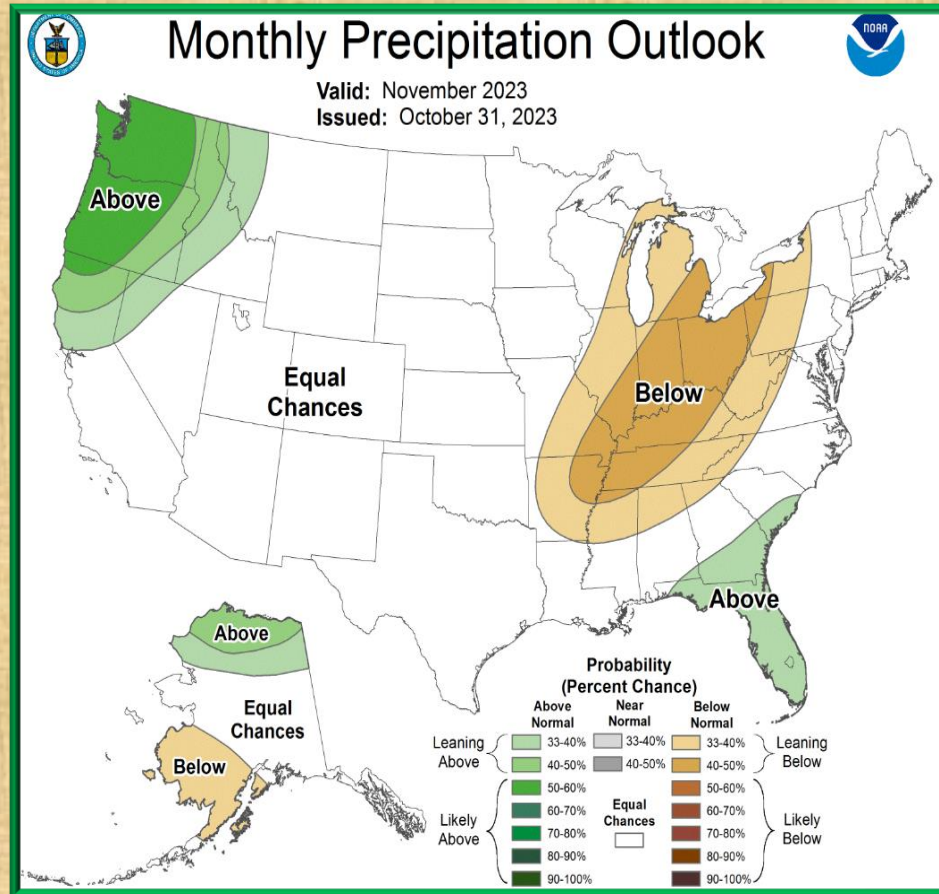
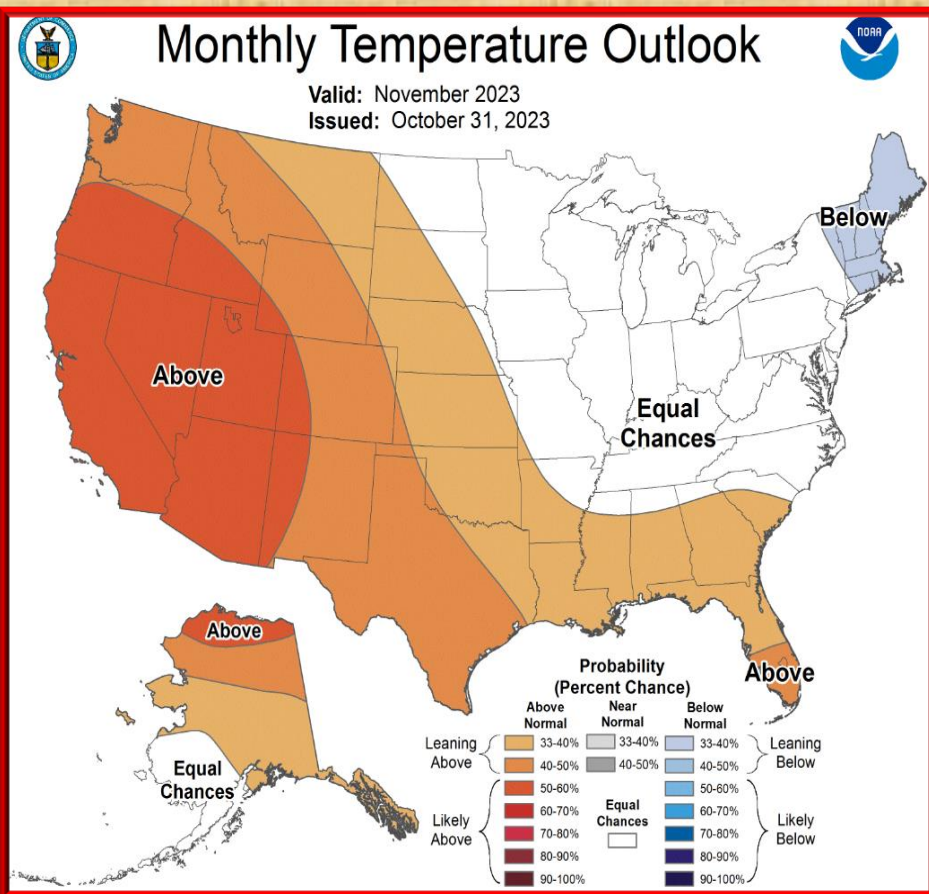
Radar rainfall estimate percent of normal for the Water Year (Oct 1 – Oct 31)



Temperature and precipitation outlook For November 2023

Temperature

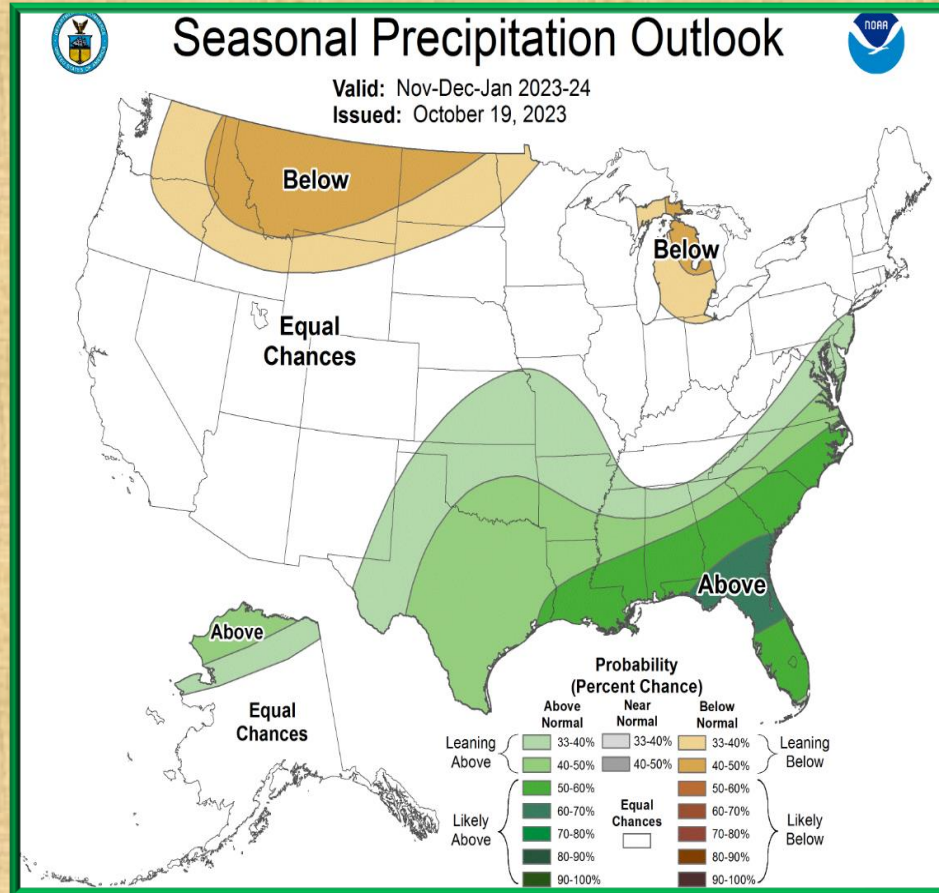
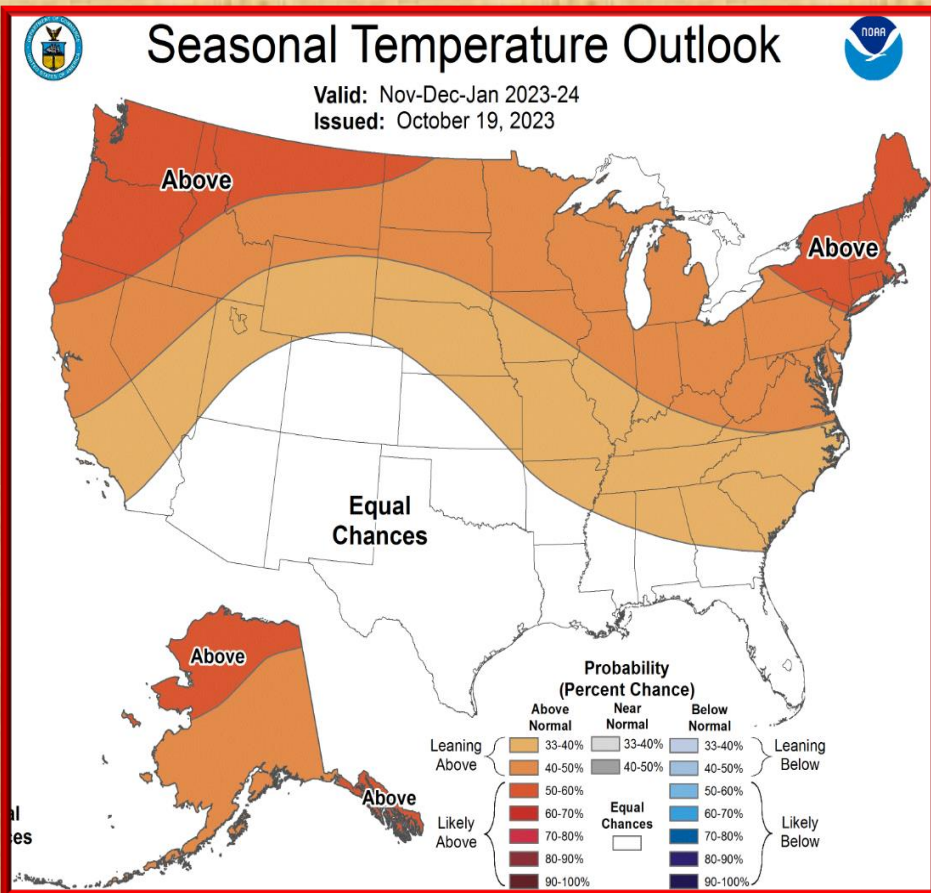
Precipitation



Temperature and precipitation outlook for Nov-Jan 2024

Temperature

Precipitation



Temperature and precipitation outlook for Feb-Apr 2024

Temperature

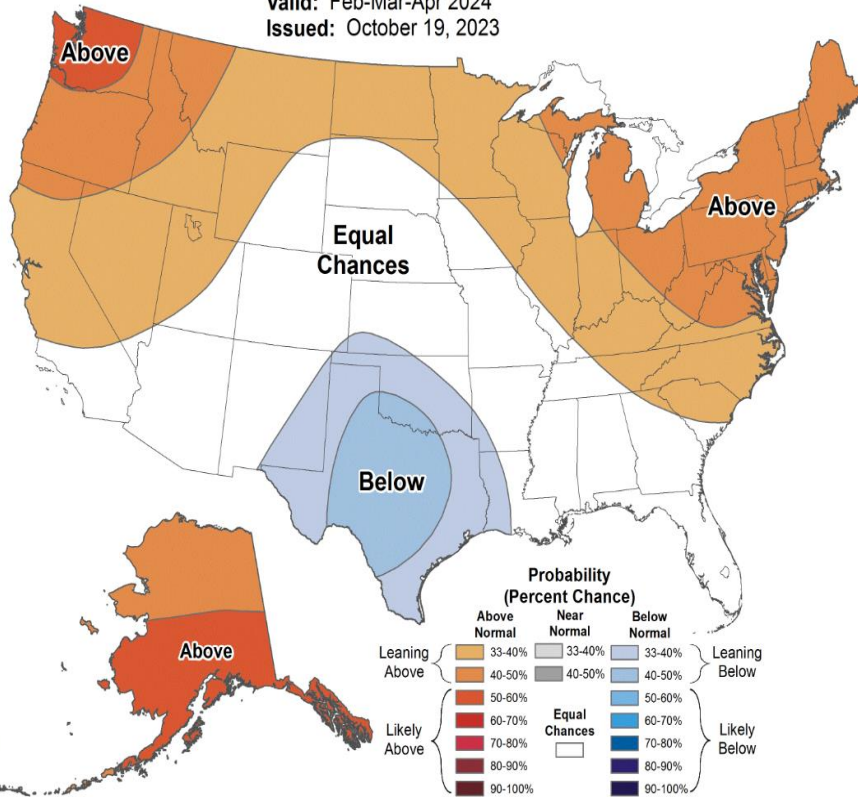
Precipitation



Seasonal Temperature Outlook



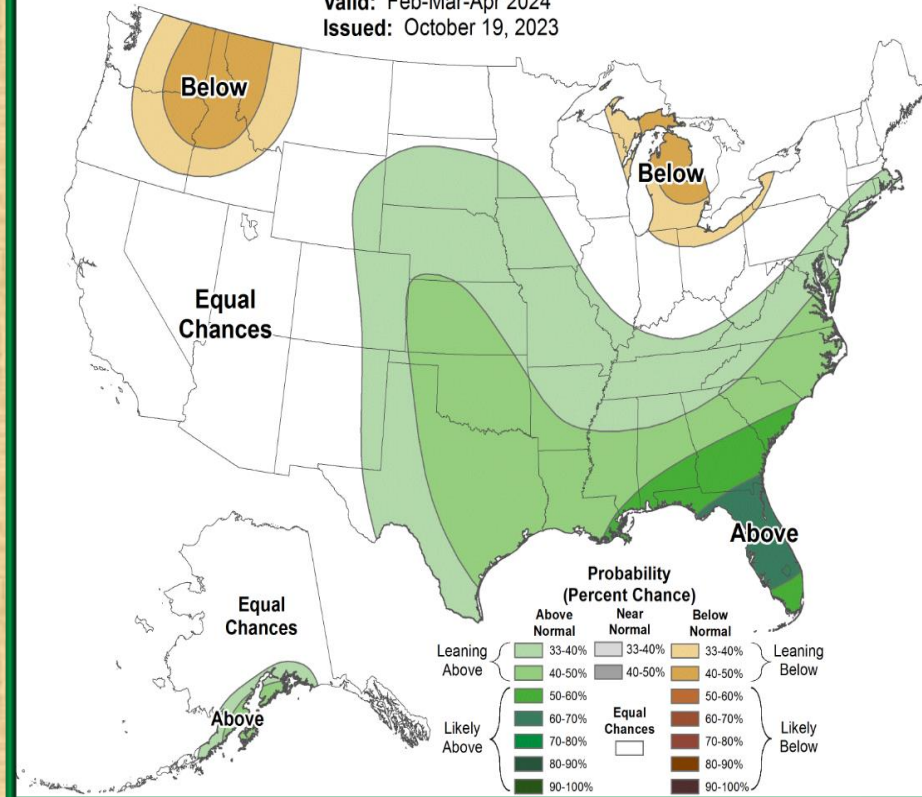
Valid: Feb-Mar-Apr 2024
Issued: October 19, 2023



Seasonal Precipitation Outlook



Valid: Feb-Mar-Apr 2024
Issued: October 19, 2023

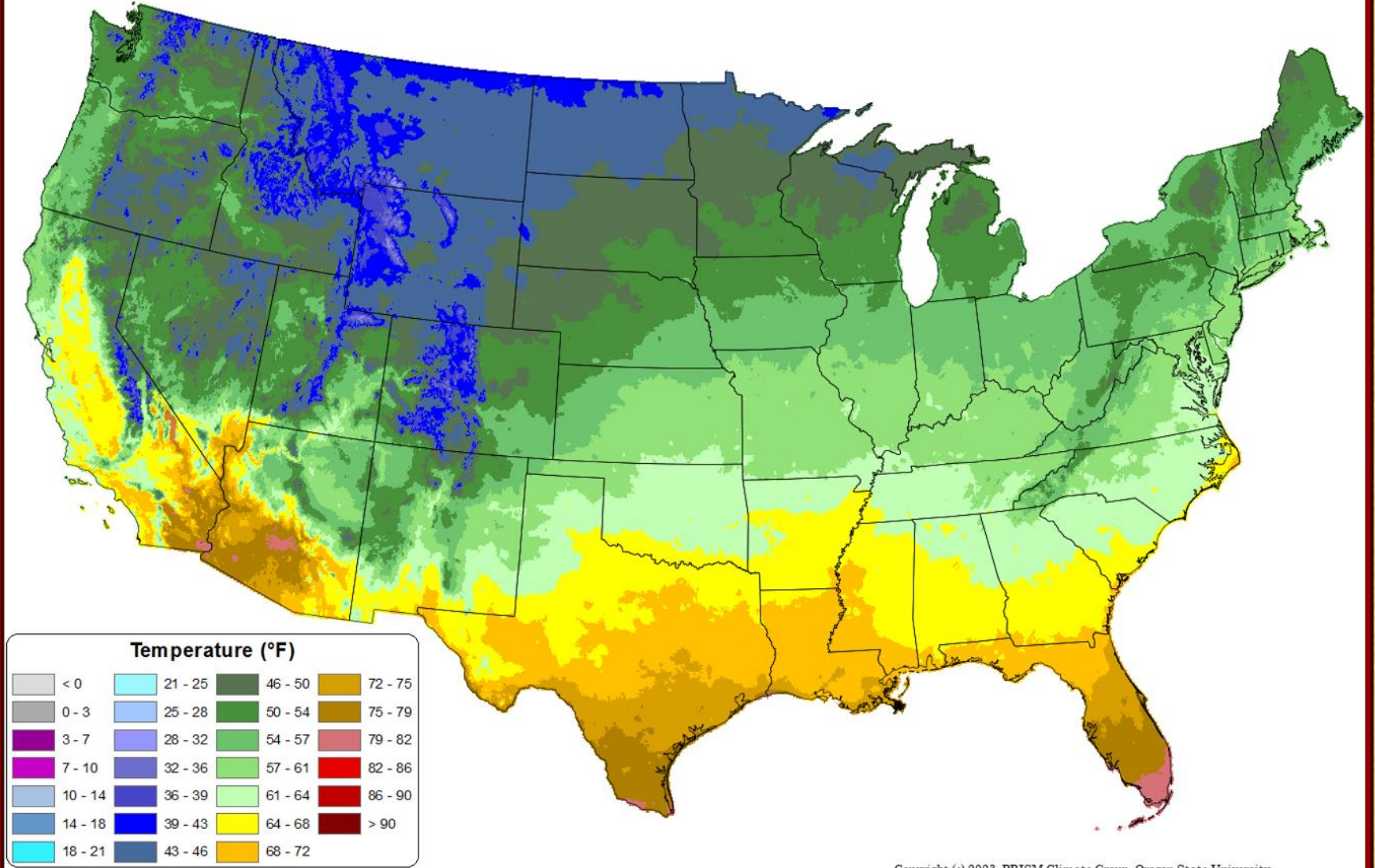


Average Daily Mean Temperature for October 2023

Average Daily Mean Temperature: Oct 2023

Period ending 7 AM EST 31 Oct 2023

(Map created 02 Nov 2023)

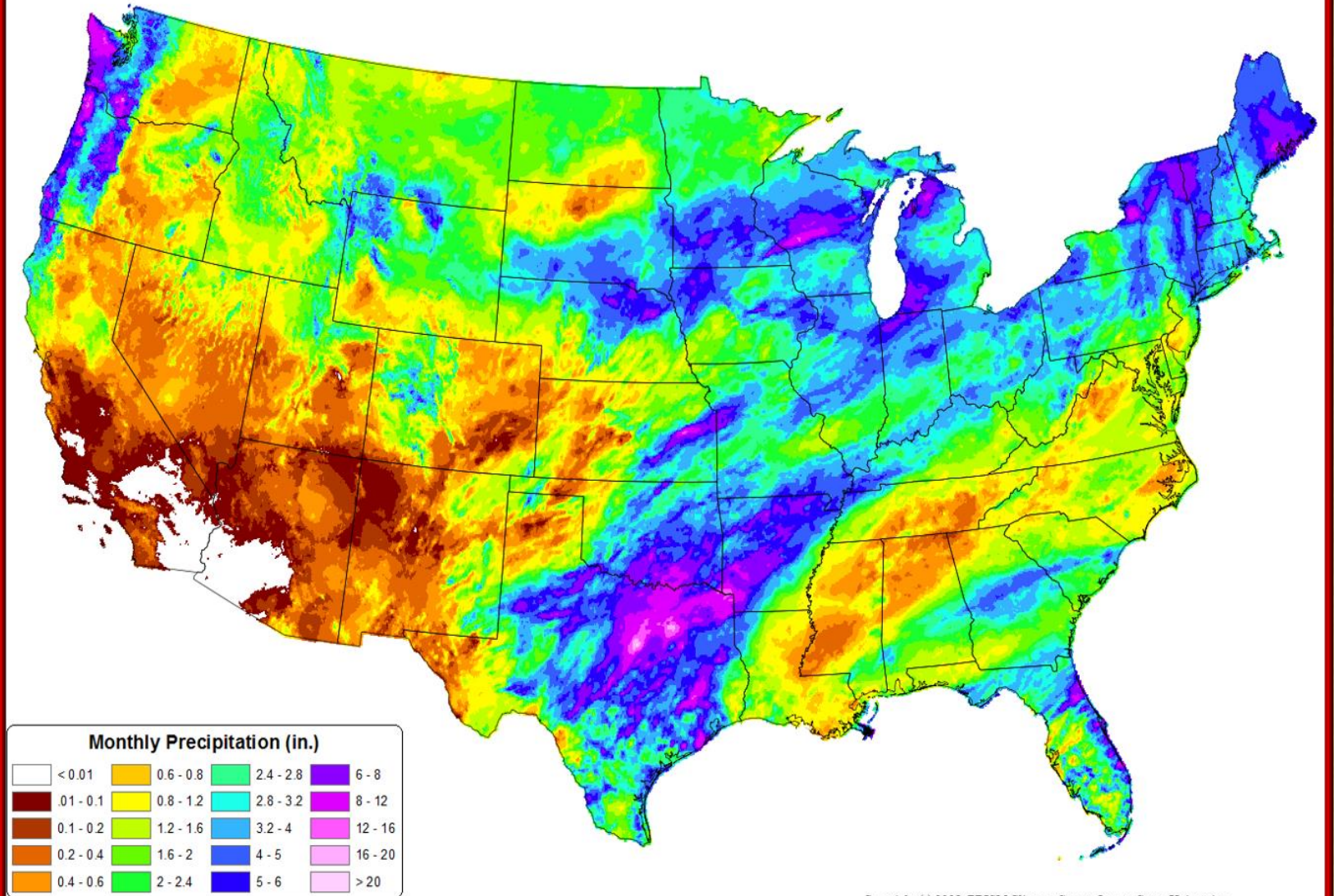


Total Precipitation for October 2023

Total Precipitation: Oct 2023

Period ending 31 Oct 2023

(Map created 02 Nov 2023)



Selected Weather Reports October 2023

| Date/Time | Location (County) | Event |
|------------------|------------------------------|-----------------------|
| OCT 30 350 AM | LORDSBURG PLAYA MP13-HIDALGO | 53 MPH PEAK WIND GUST |
| OCT 29 1059 PM | T OR C AIRPORT-SIERRA | 51 MPH PEAK WIND GUST |
| OCT 29 1000 PM | DEMING AIRPORT-LUNA | 40 MPH PEAK WIND GUST |
| OCT 29 839 PM | SANTA TERESA NWS-DONA ANA | 39 MPH PEAK WIND GUST |
| OCT 29 955 PM | SAN AUGUSTIN PASS-DONA ANA | 39 MPH PEAK WIND GUST |
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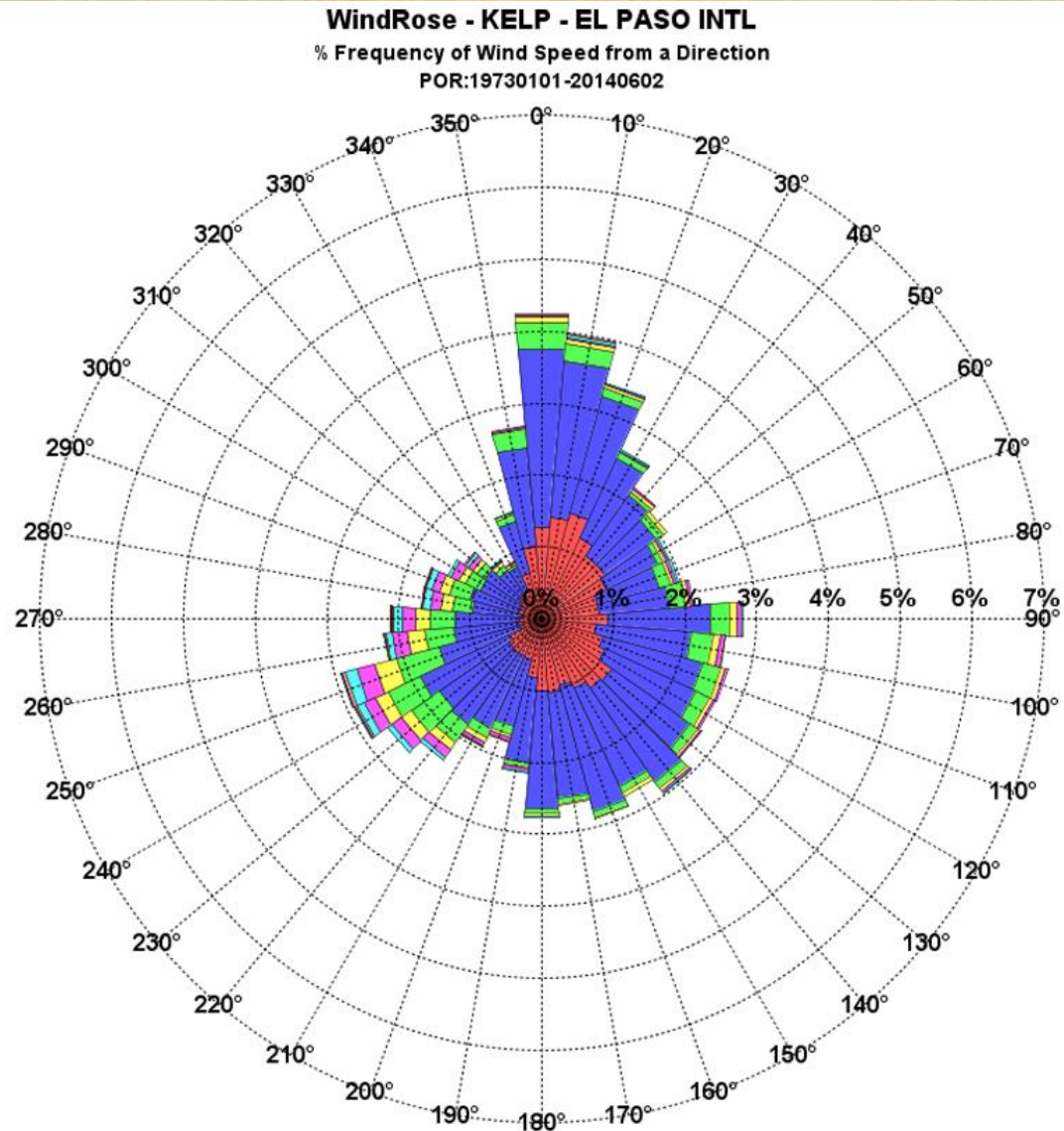
Special Features

www.weather.gov/epz/elpwindrosedata

Month: OCTOBER

Calm: 12.23%

Variable: 2.30%



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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NWS El Paso
[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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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.gov/epz

Don't Forget-Current and past issues of our Weather Digest are available on our website at 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 DIGESTS AND BULLETINS | |
|-------------------------------|--|
| Weather Digest | Southwest Weather Bulletins |
| January | 2005 Spring Fall |
| February | 2006 Spring Fall |
| March | 2007 Spring Fall |
| April | 2008 Spring Fall |
| May | 2009 Spring Fall |
| June | 2010 Spring Fall |
| July | 2011 Spring Fall |
| August | 2012 Spring Fall |
| September | 2013 Spring Fall |
| October | 2014 Spring Fall |
| November | |
| December | |