

November 2022 Weather Digest



November 2022 Weather Summary

La Niña continued her ways in November, as dry conditions dominated the month. Areas west of the Rio Grand Valley received little if any rain, totaling about 0 to 25 percent of normal. Areas to the east fared little better, receiving about 10 to 50 percent of normal. Temperatures ran a bit below normal for the month, which is a bit unusual for La Niña winters.

Storms steered clear of the area for the most part. The only noteworthy storms occurred on November 3rd, when a Pacific storm barreled through, bringing wind gusts of 40 to 65 mph with it. The other storm moved in on the 24th and 25th. With the help of a low level cold front from the east, rain showers and mountain snow fell. While the lowland rain was mostly light, some significant snow fell in the mountains—with the Sacramento Mountains above 7500 feet receiving 6 to 12 inches.

November 2022 Weather Summary, cont'd

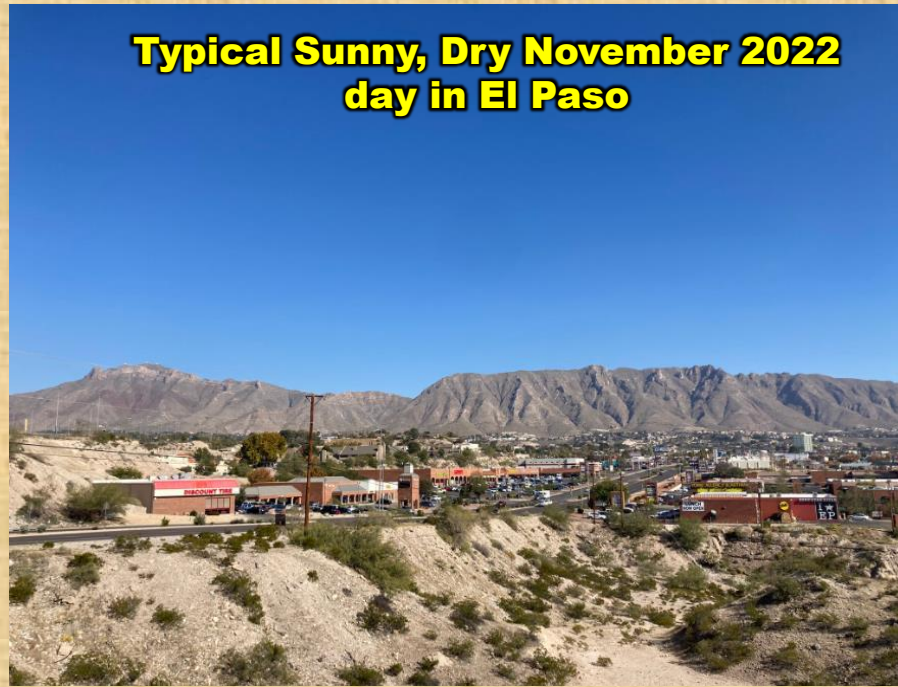
Looking ahead to December, we enter Meteorological Winter and with that also comes the Winter Solstice. The Solstice this month falls on December 21 at 248 pm MST. This is the day in which we measure the shortest amount of daylight. After this date, daylight begins to slowly increase again. Of course temperatures continue to decrease during December. At El Paso, the average high temperature begins the month at 61 degrees and ends the month at 57 degrees. Daylight also continues to decrease with 10 hours, 13 minutes on December 1 decreasing to 10 hours, 4 minutes on December 21, and then slowly increasing up to 10 hours, 6 minutes at the end of the month.

For the lunar fans out there, our December full moon occurs on the 7th, while the new moon occurs on the 23rd. This full moon is commonly called the Cold Moon, or the Long Nights Moon. There are no solar or lunar eclipses visible from the US in December, though a total solar eclipse will occur on December 4th, which will be visible in the southern Hemisphere.

November Sunrise



**Typical Sunny, Dry November 2022
day in El Paso**



Nov 24 Santa Teresa Storm



Nov 25 Organ Mtn



Nov 25 Snow at Transmountain Pass



Nov 25 Snow at Transmountain Pass



2022-11-25 09:08:02
[AM-TBTCMJ]

Nov 25 Snow at Cloudcroft



© CloudcroftWeather.com Fri Nov 25, 2022 09:07:38 AM

Nov 25 Snow at Cloudcroft



Nov 25 Snow at Timberon



Nov 25 Snow at Apache Summit

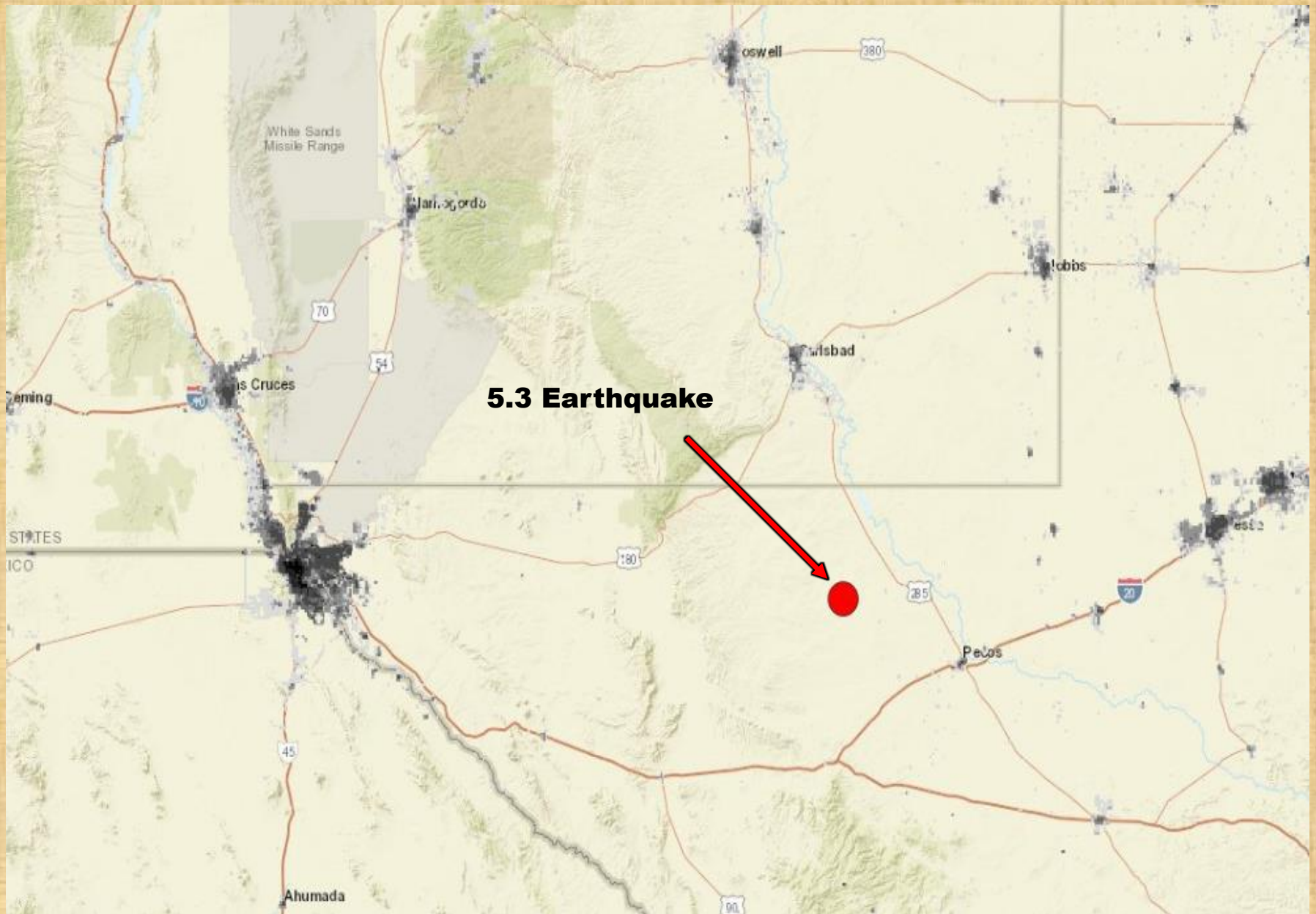
Nov 25 Snow at Lake Mescalero



Nov 25 Snow at Cloudcroft



Nov 16 Earthquake near Pecos, TX



ENSO Alert System Status: La Niña Advisory in Affect

ENSO Alert System

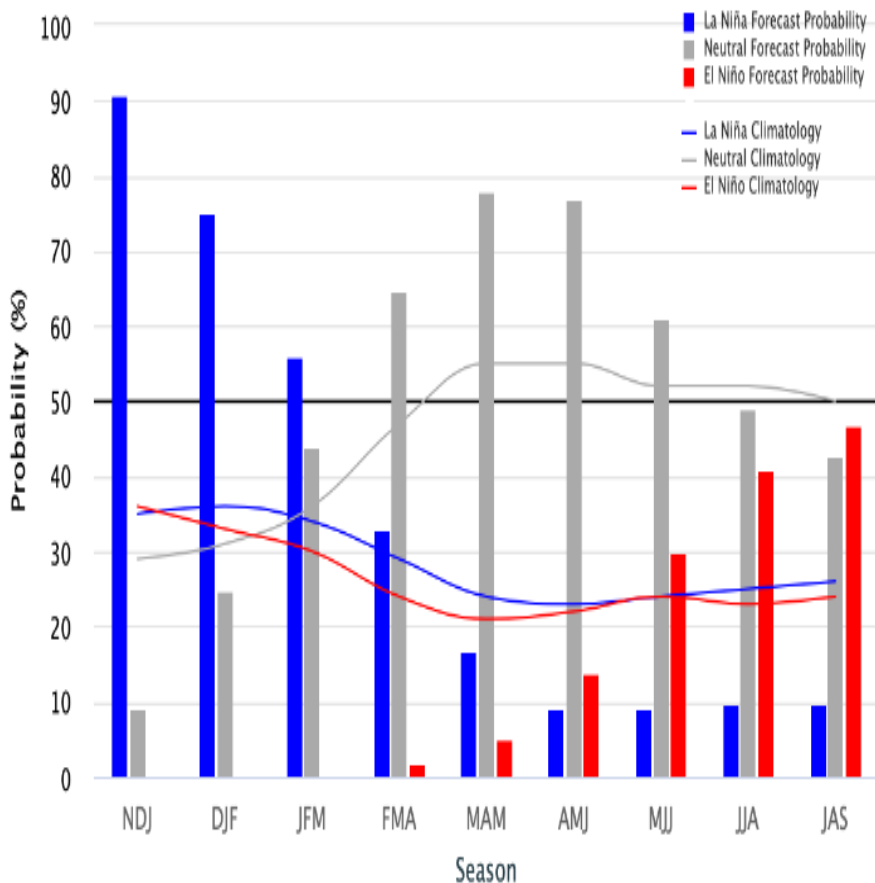
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

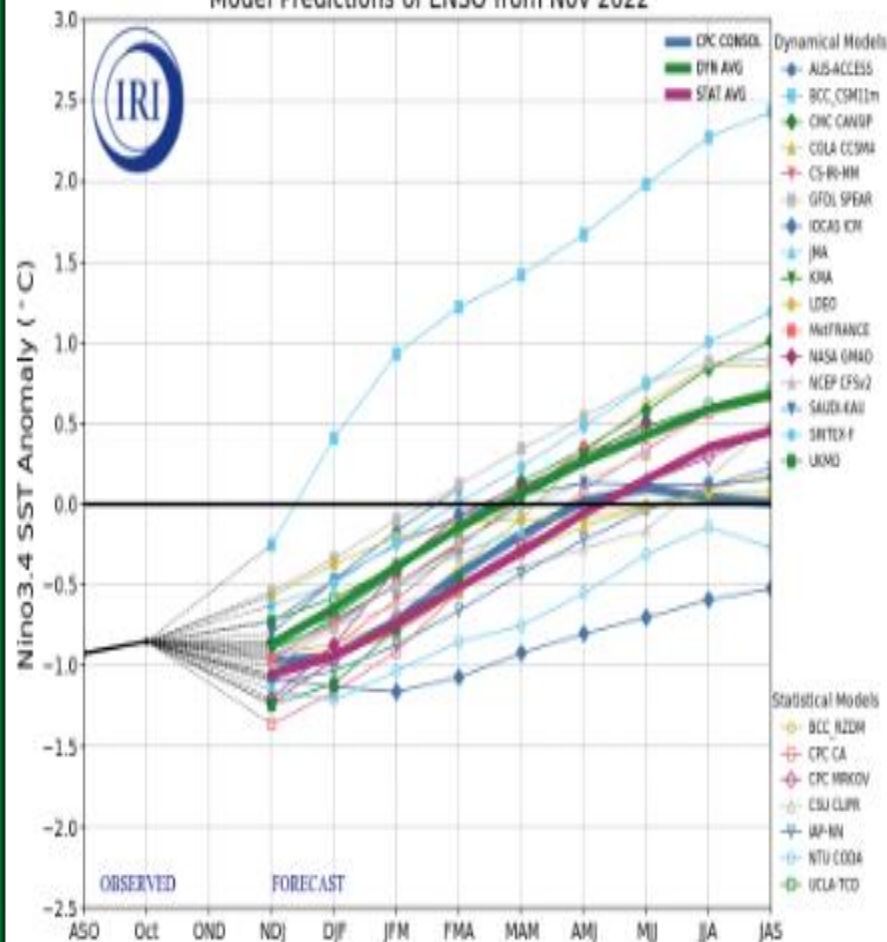
ENSO is in La Niña status. Forecast shows decent chance of La Niña lasting into late winter, likely transitioning to neutral toward spring of 2023.

Mid-November 2022 IRI Model-Based Probabilistic ENSO Forecasts

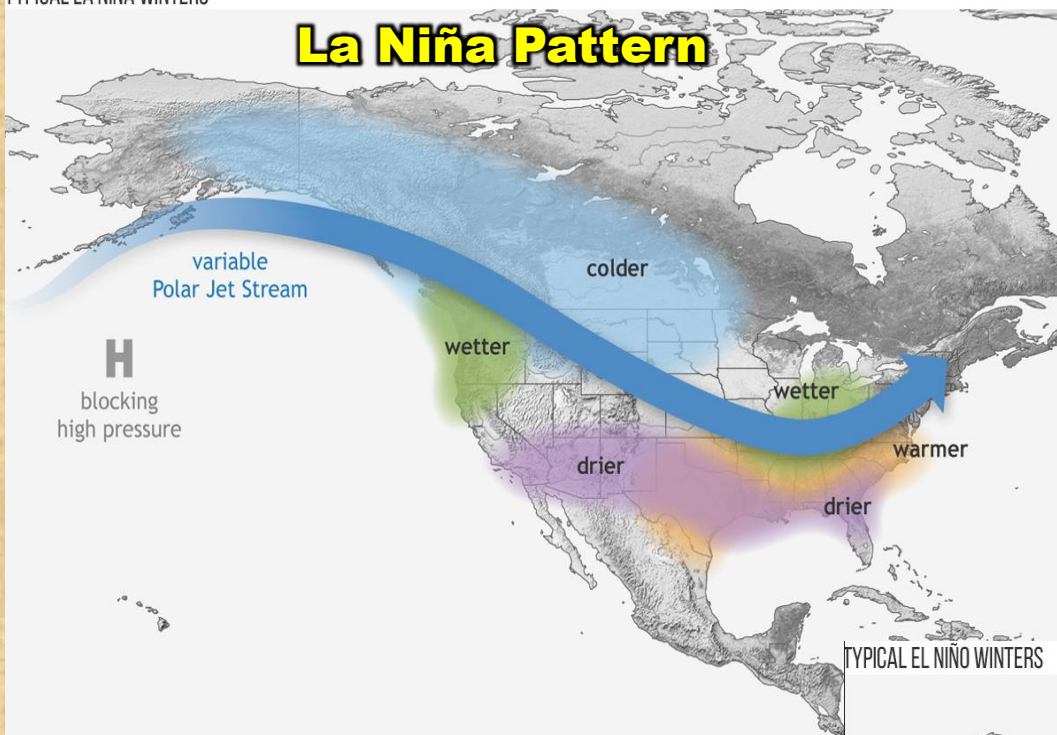
ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: -0.5 °C to 0.5 °C



Model Predictions of ENSO from Nov 2022

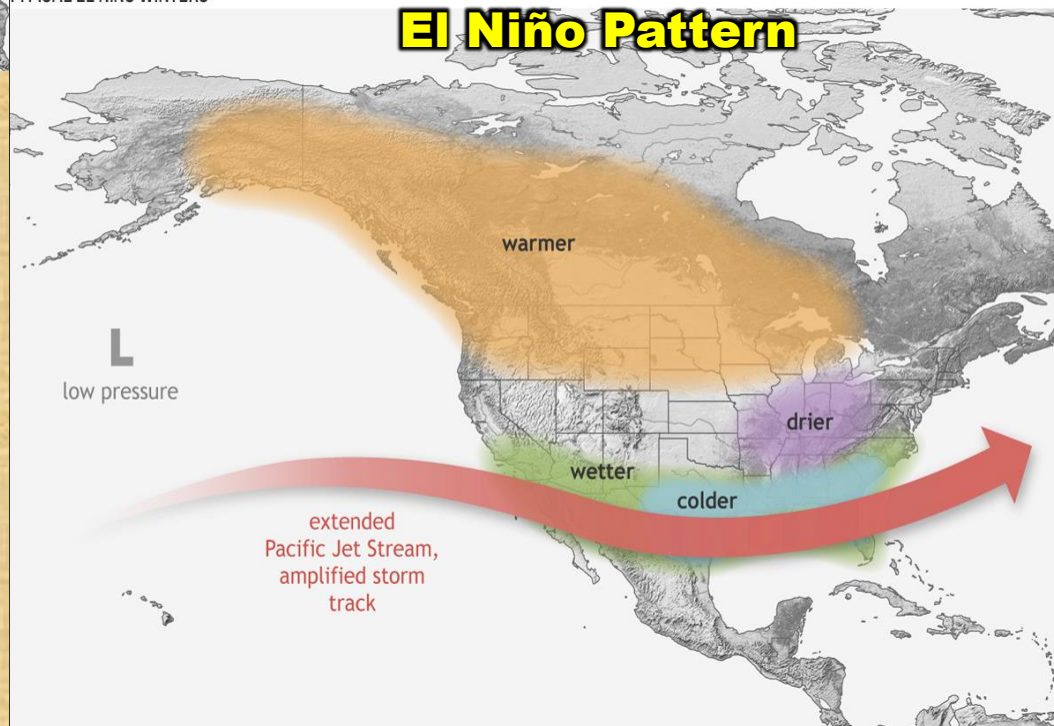


La Niña Pattern



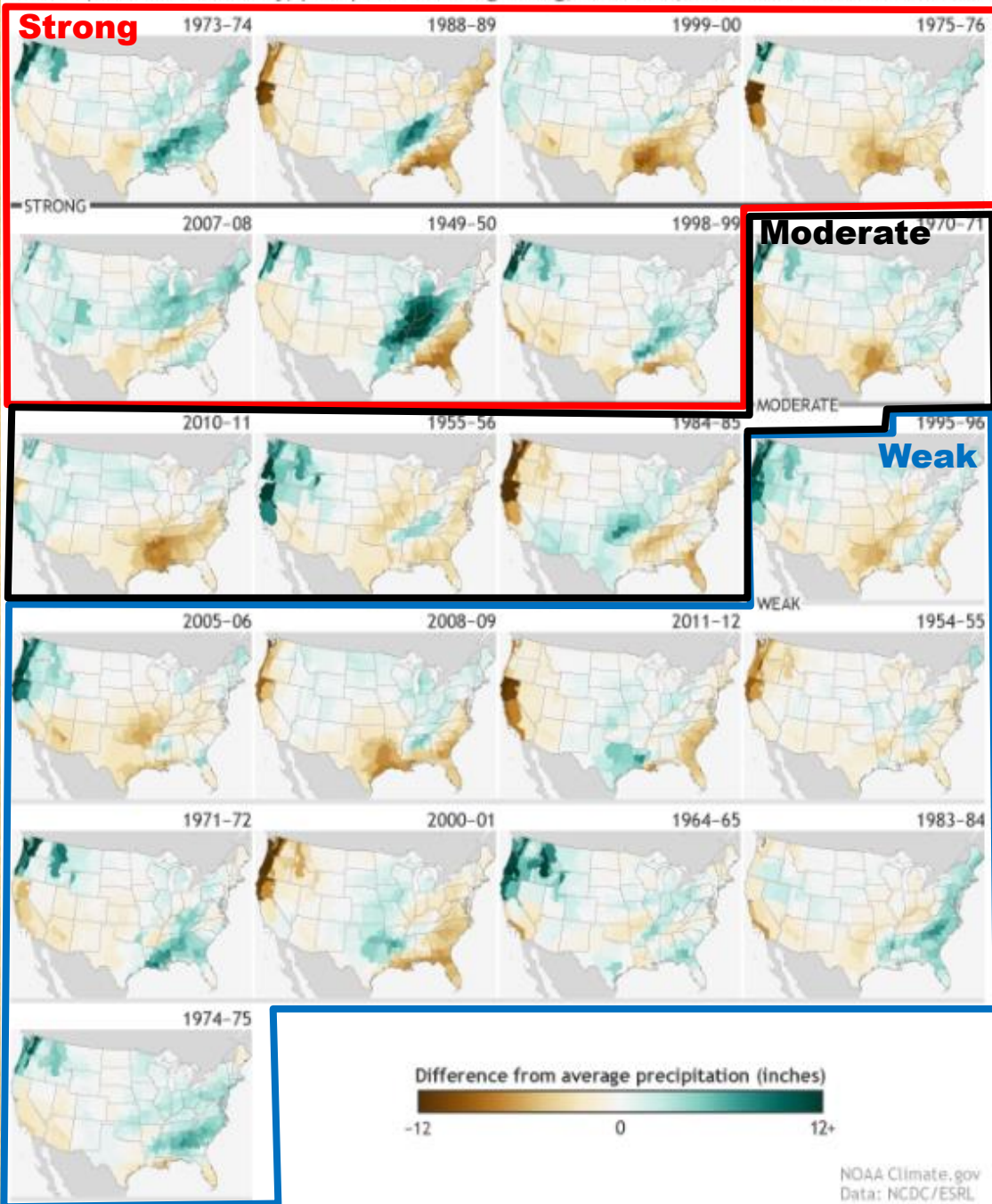
With a La Niña pattern, a ridge of high pressure tends to build off the west coast of the U.S., blocking most of our Pacific winter storm systems. These storms tend to end up moving across the northern Plains and down to the southeastern part of the country. Of course it is important to remember that 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.

Winter (December-February) precipitation during strong, moderate, and weak La Niñas since 1950



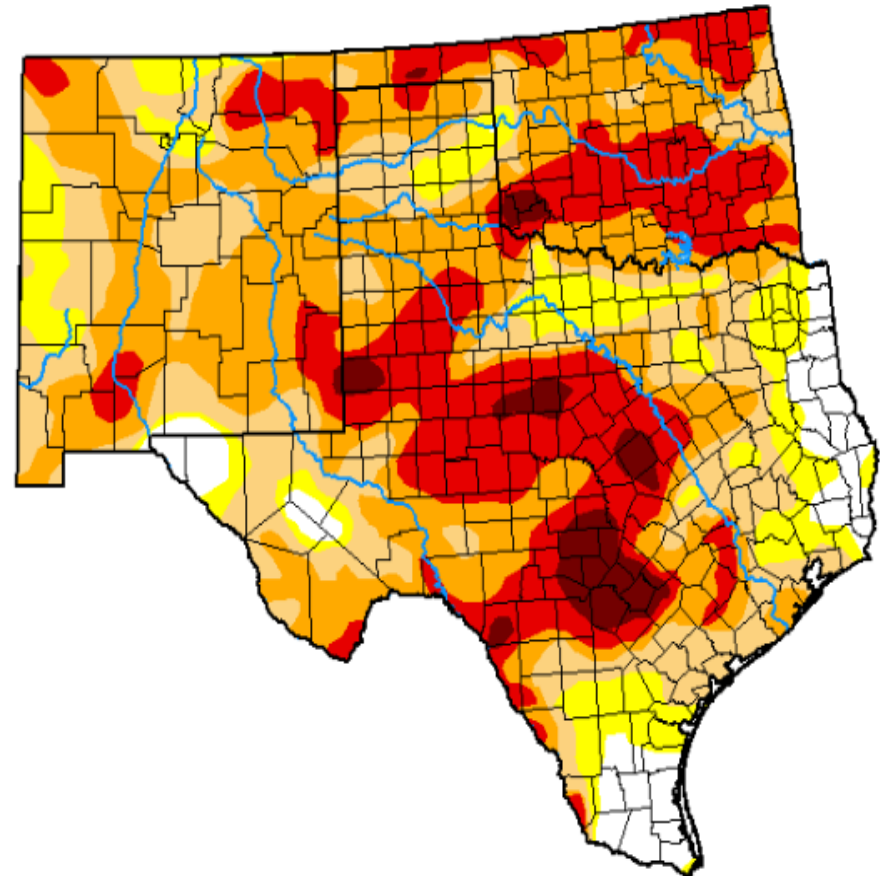
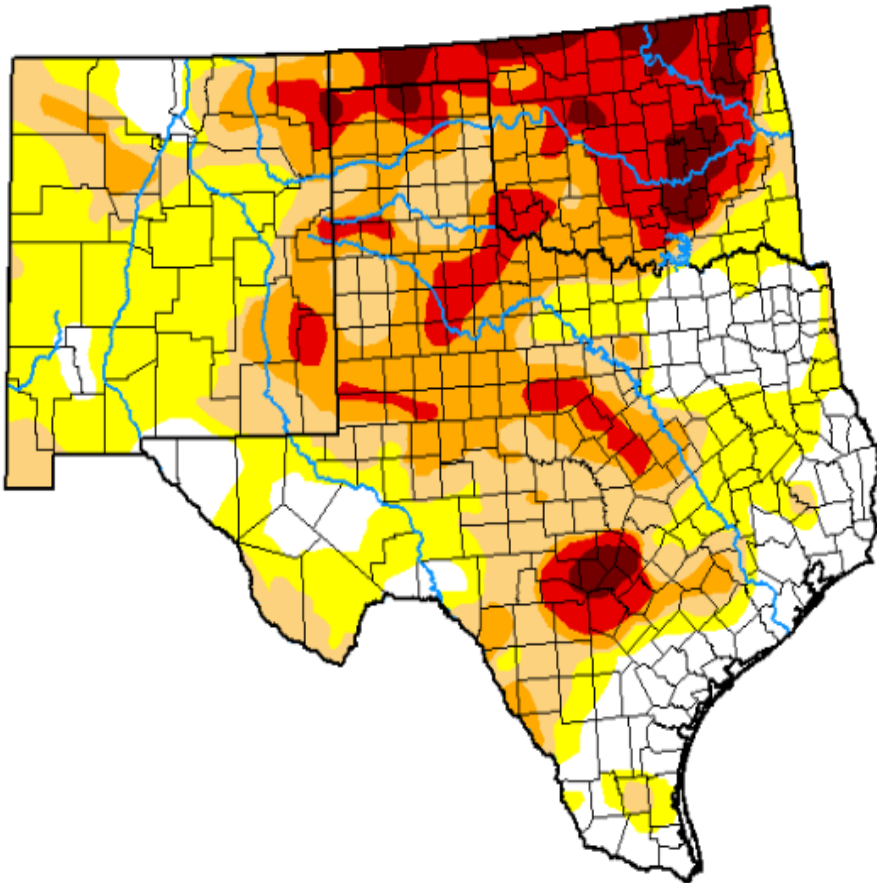
Examples of the numerous La Niña winters since 1950. These maps depict the departure from normal precipitation amounts for a winter.

Current drought conditions and 3 month change

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

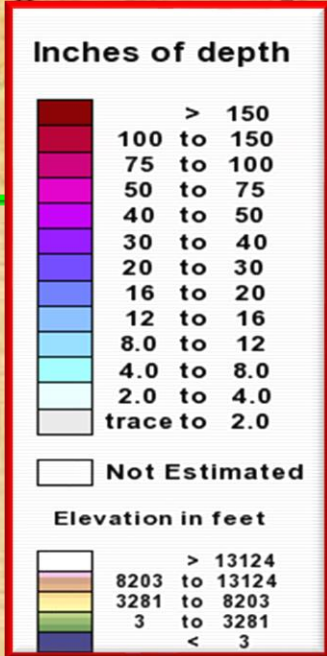
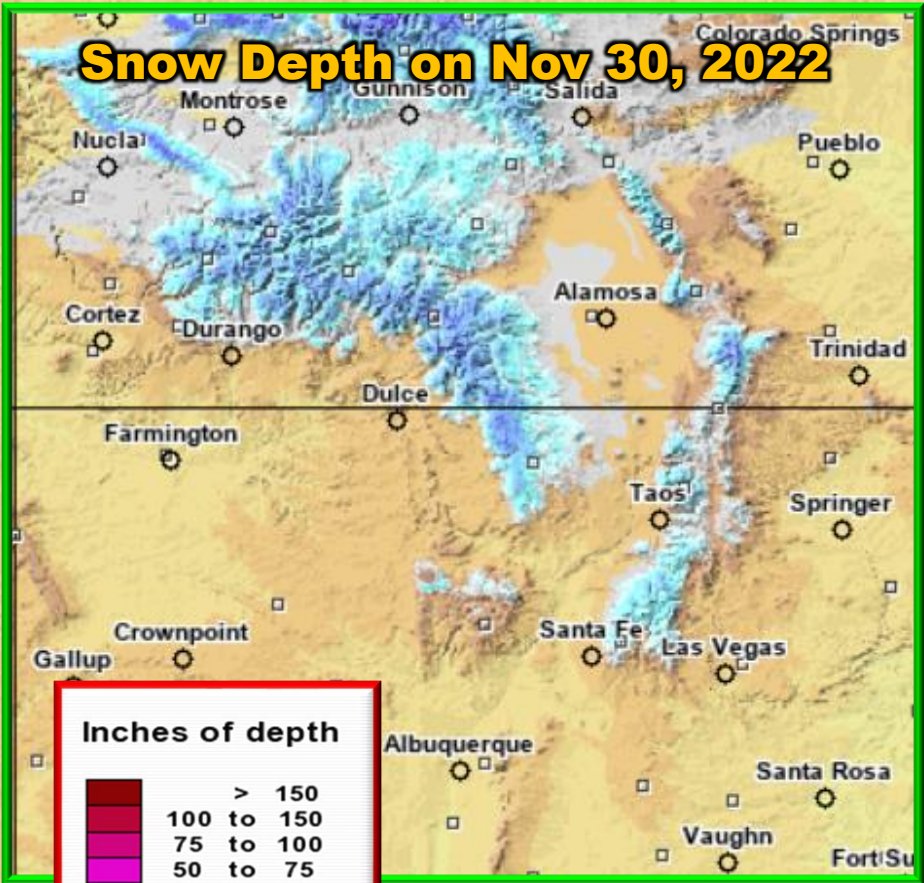
November 29, 2022

August 30, 2022

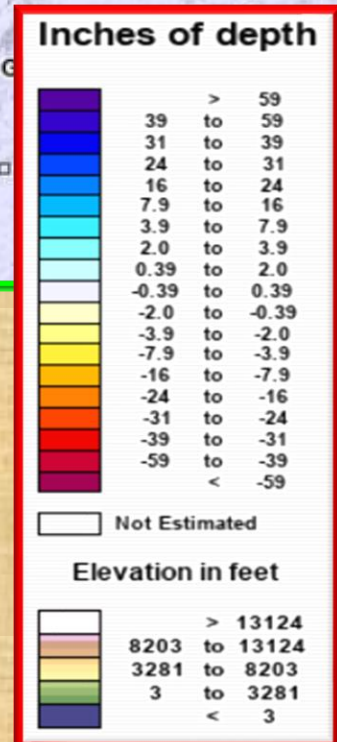
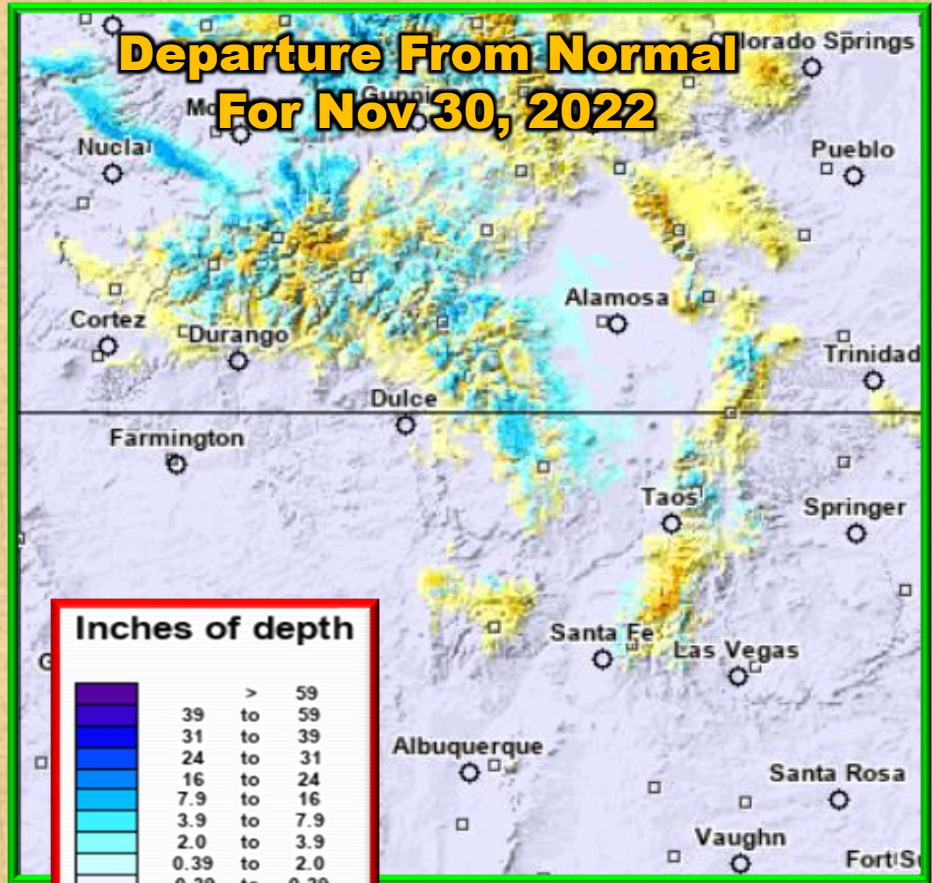


Snow Data Upper Rio Grand Basin as of Nov 30, 2022

Snow Depth on Nov 30, 2022

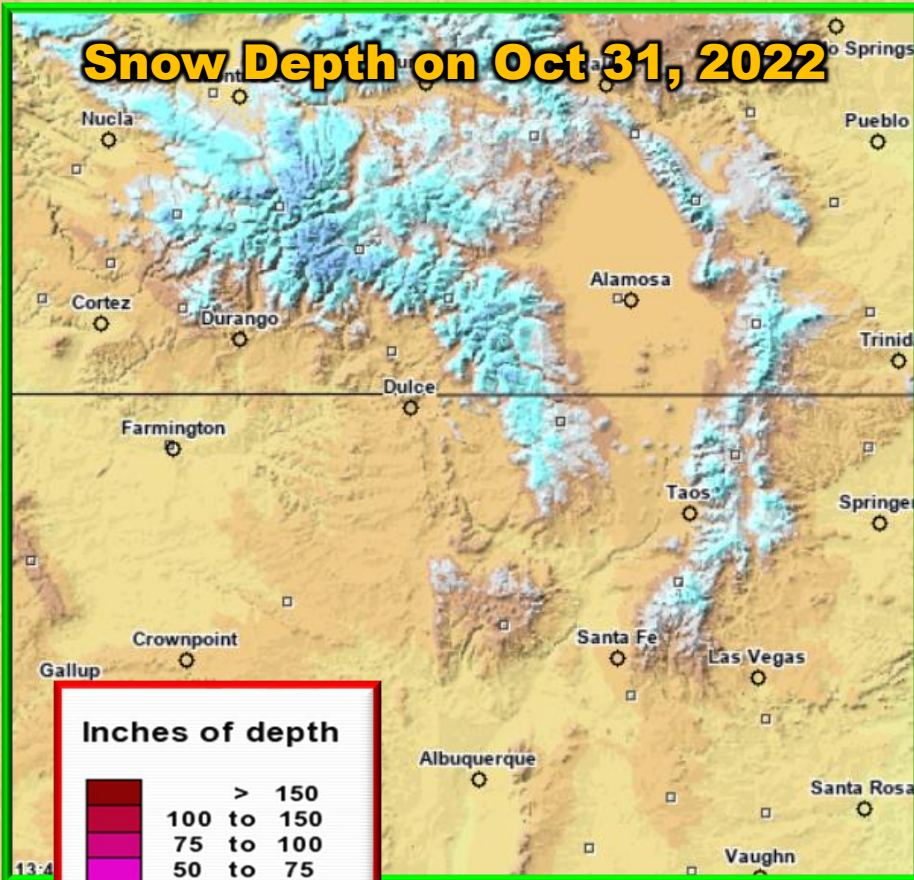


Departure From Normal For Nov 30, 2022

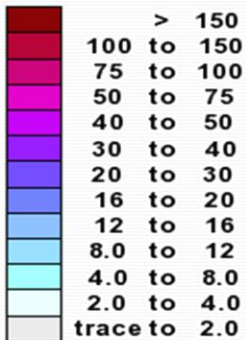


Snow Data Upper Rio Grand Basin as of Oct 31, 2022

Snow Depth on Oct 31, 2022

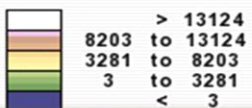


Inches of depth

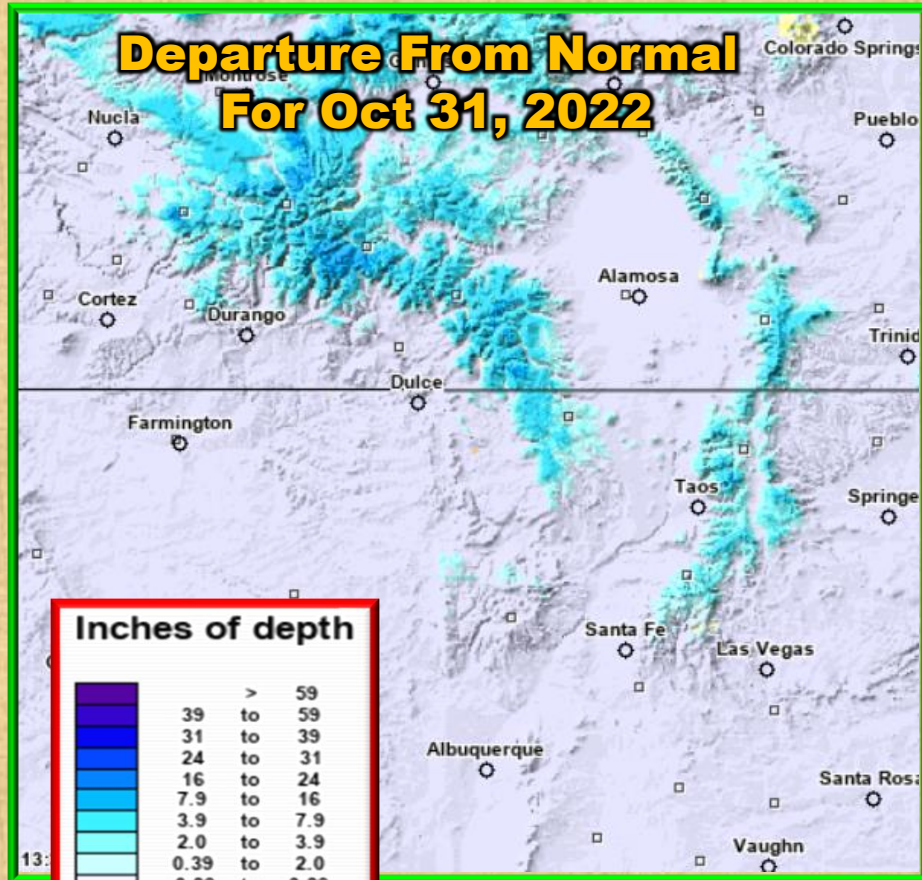


Not Estimated

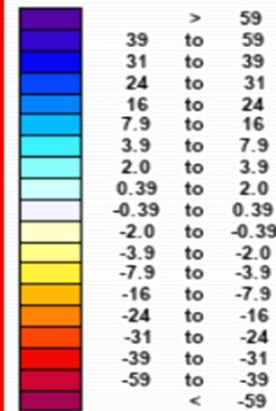
Elevation in feet



Departure From Normal For Oct 31, 2022

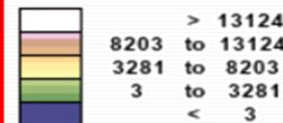


Inches of depth



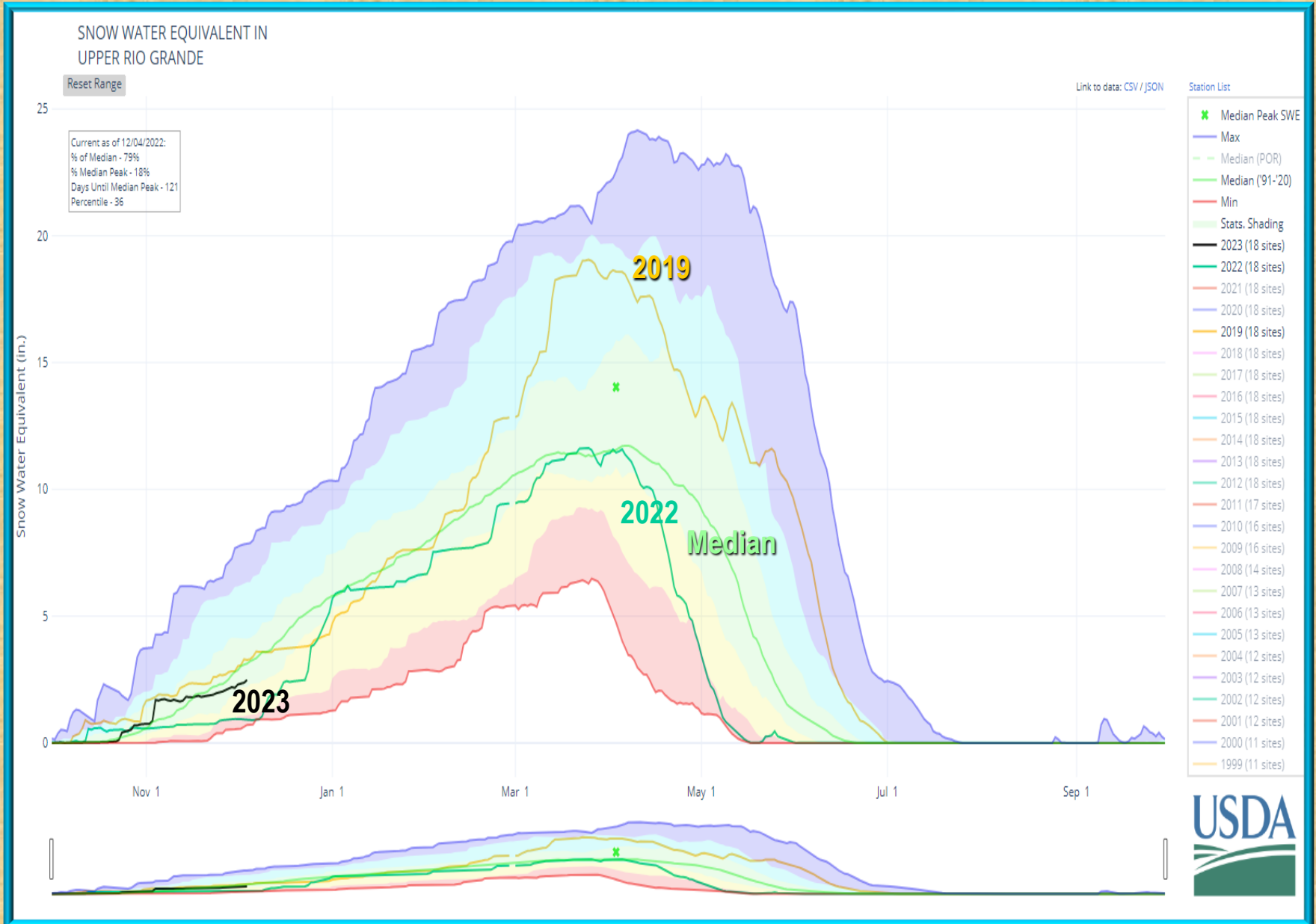
Not Estimated

Elevation in feet



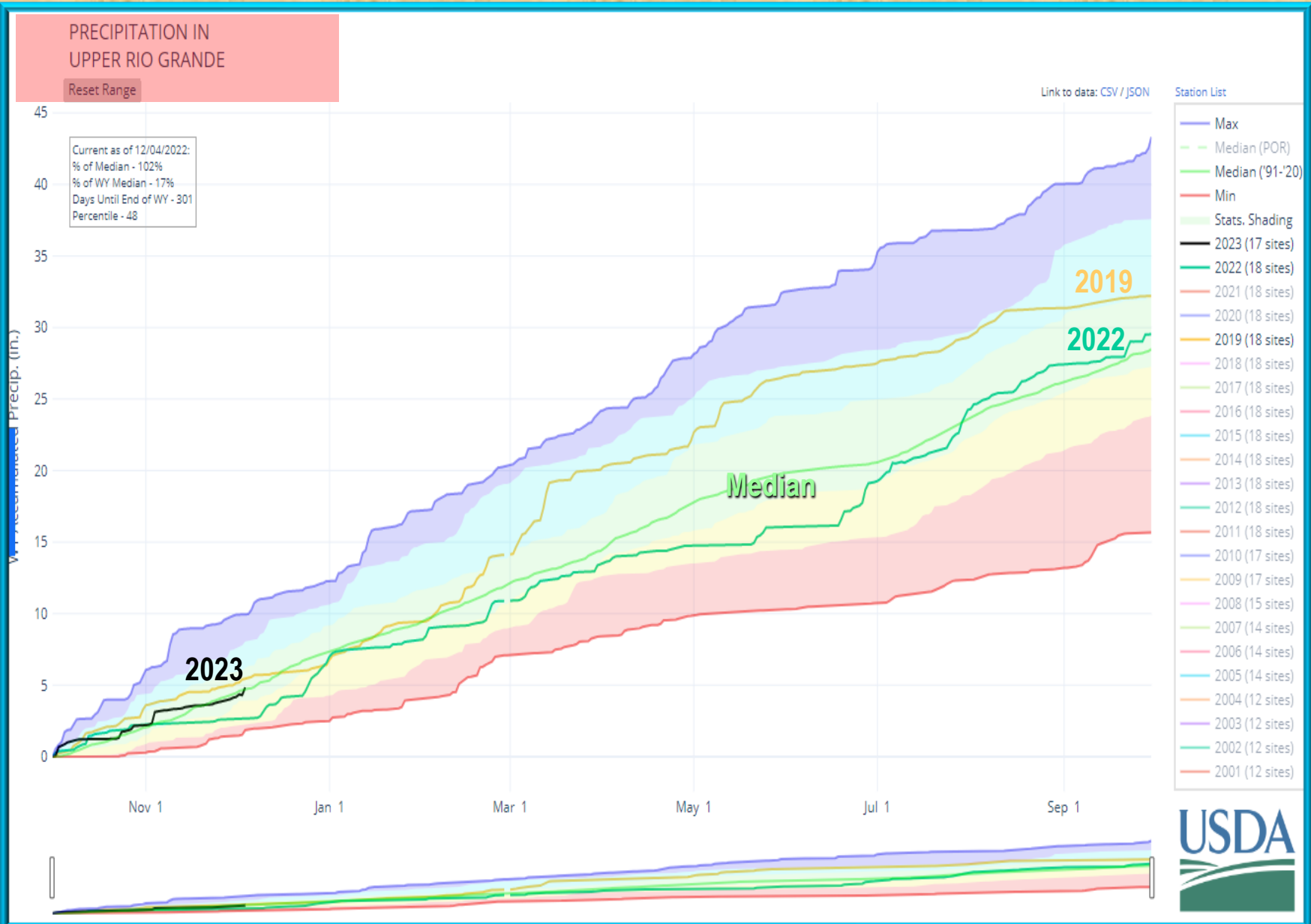
Snow Water Equivalent as of Nov 30, 2022

Compare to last few years and average values



Precipitation for the Water Year Oct 1 – Nov 30, 2022

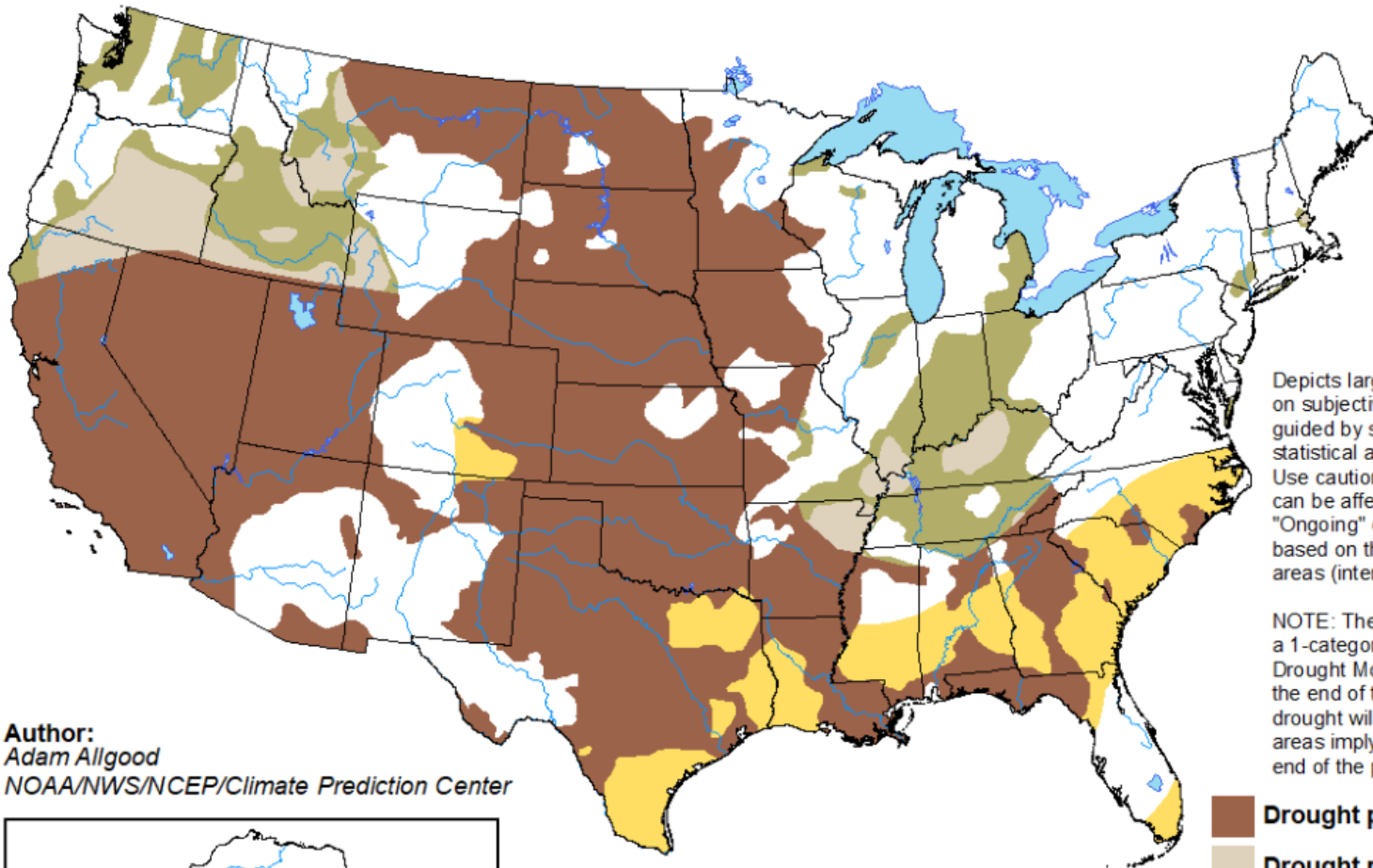
Compare to last few years and average values



U.S. Seasonal Drought Outlook

Valid for November 17, 2022 - February 28, 2023
Drought Tendency During the Valid Period





Released November 17, 2022

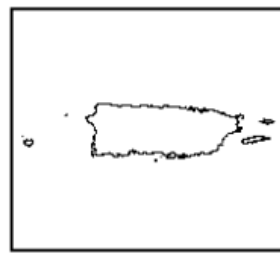
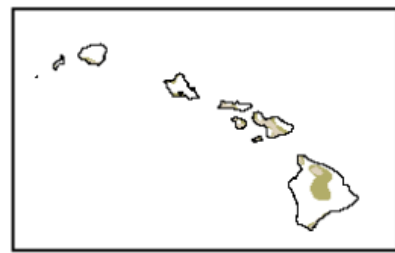
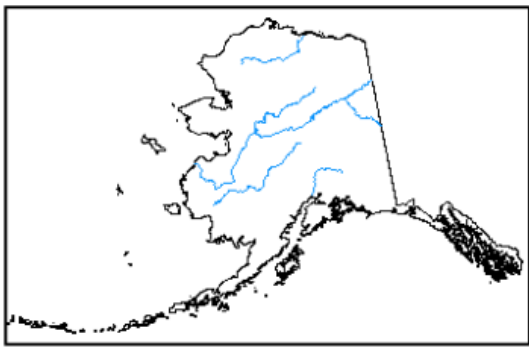


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

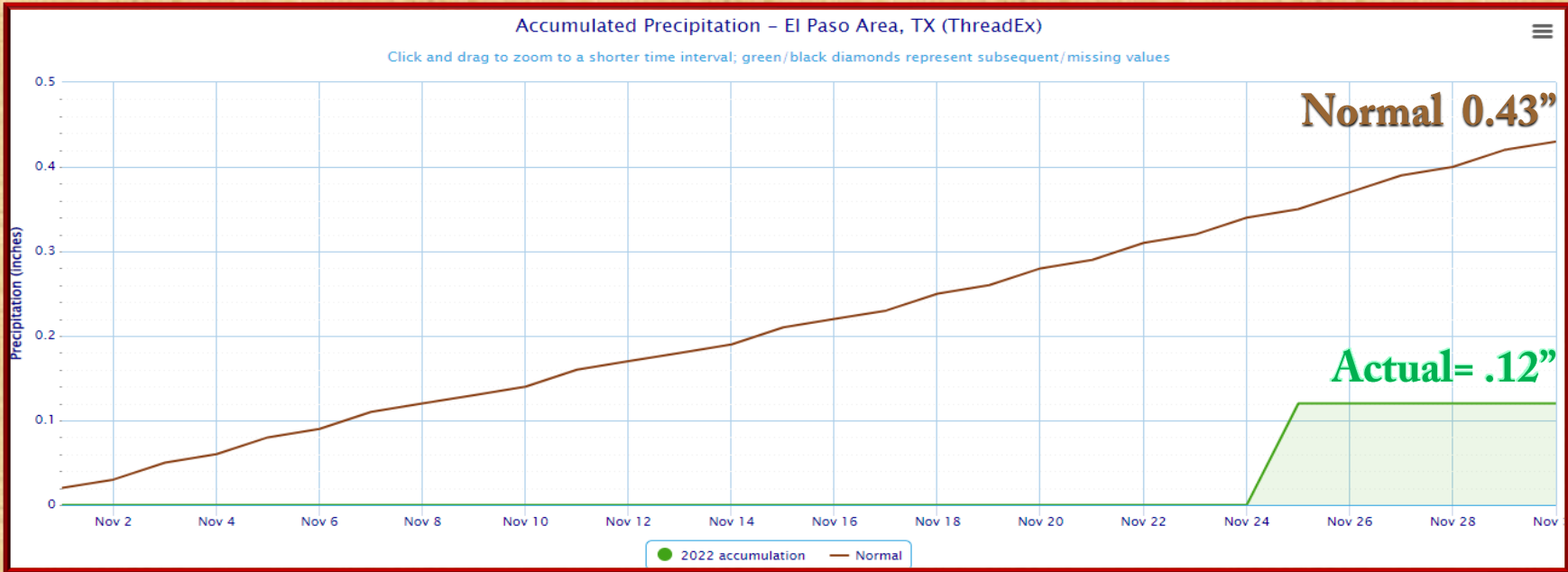
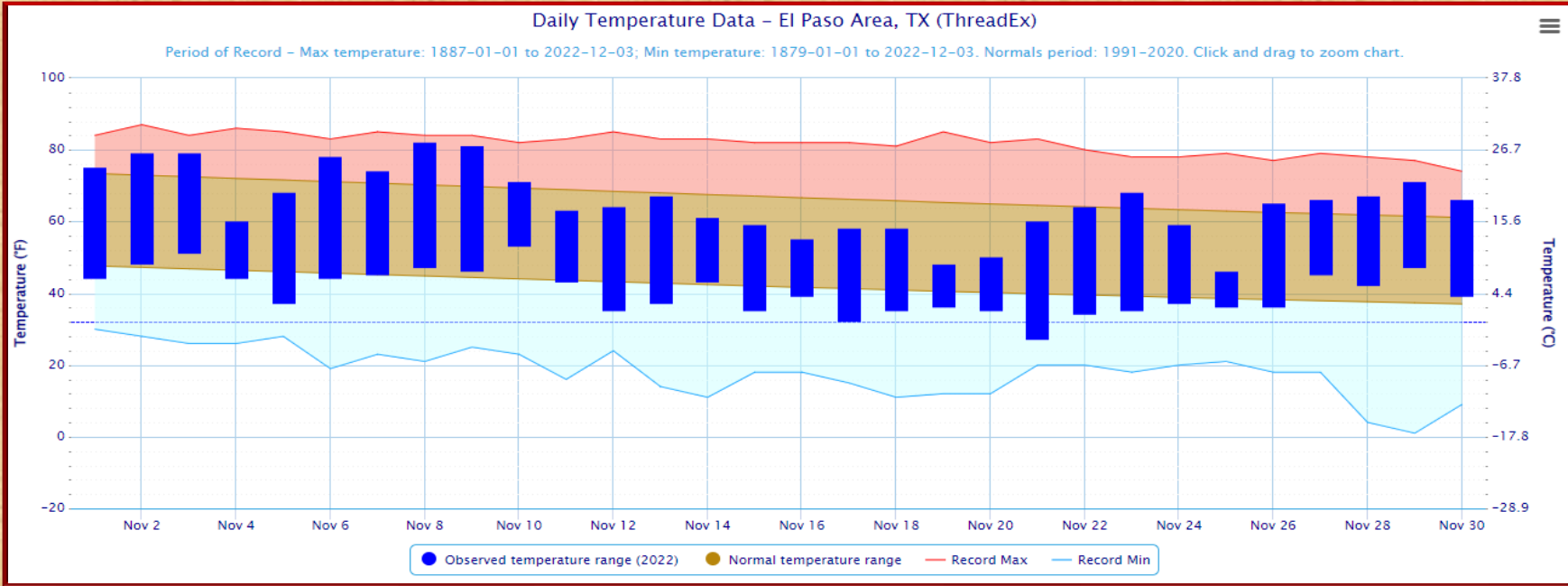
-  Drought persists
-  Drought remains but improve
-  Drought removal likely
-  Drought development likely



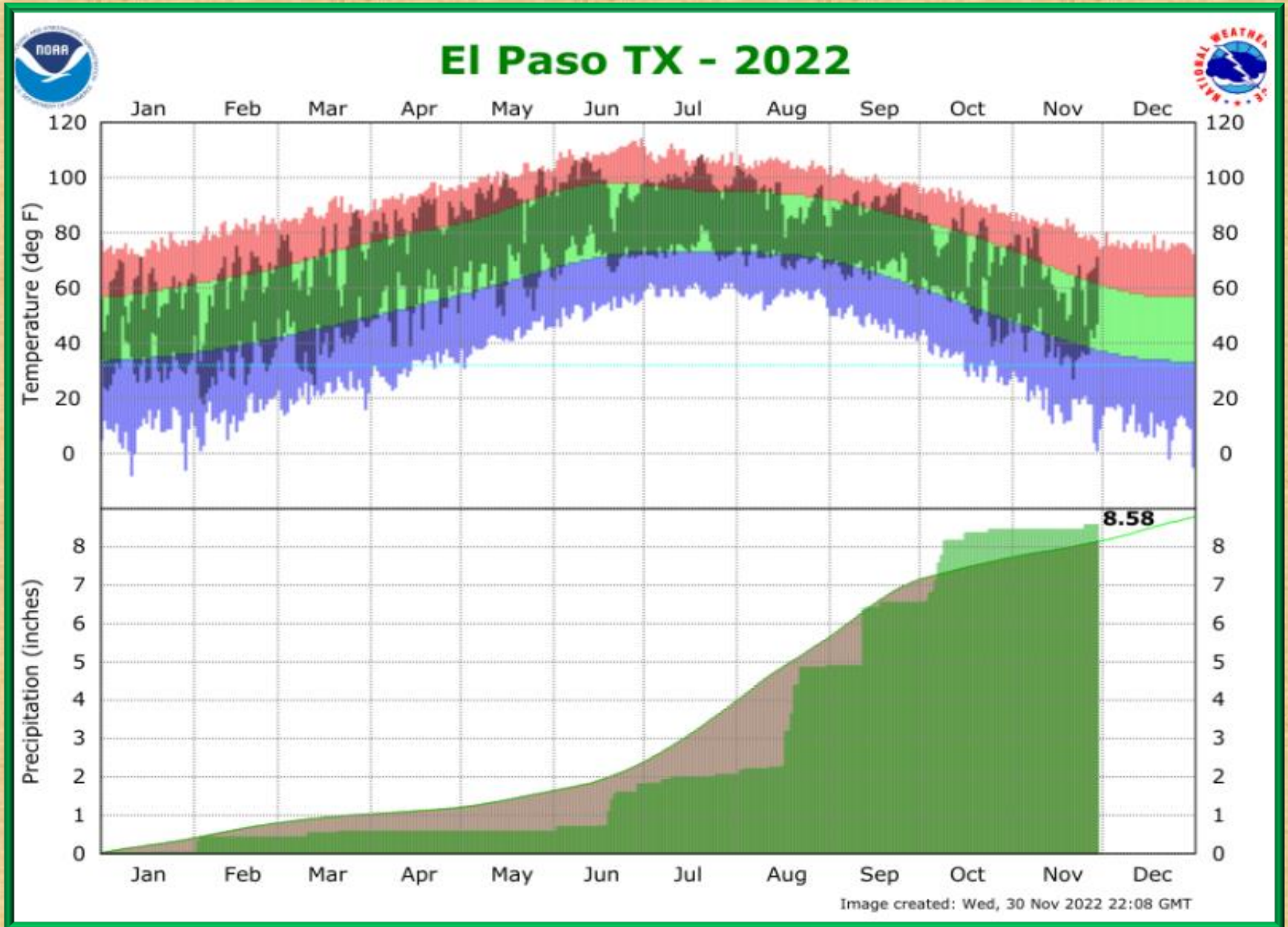
<http://go.usa.gov/3eZ73>

Temperature and precipitation data for November 2022 in El Paso

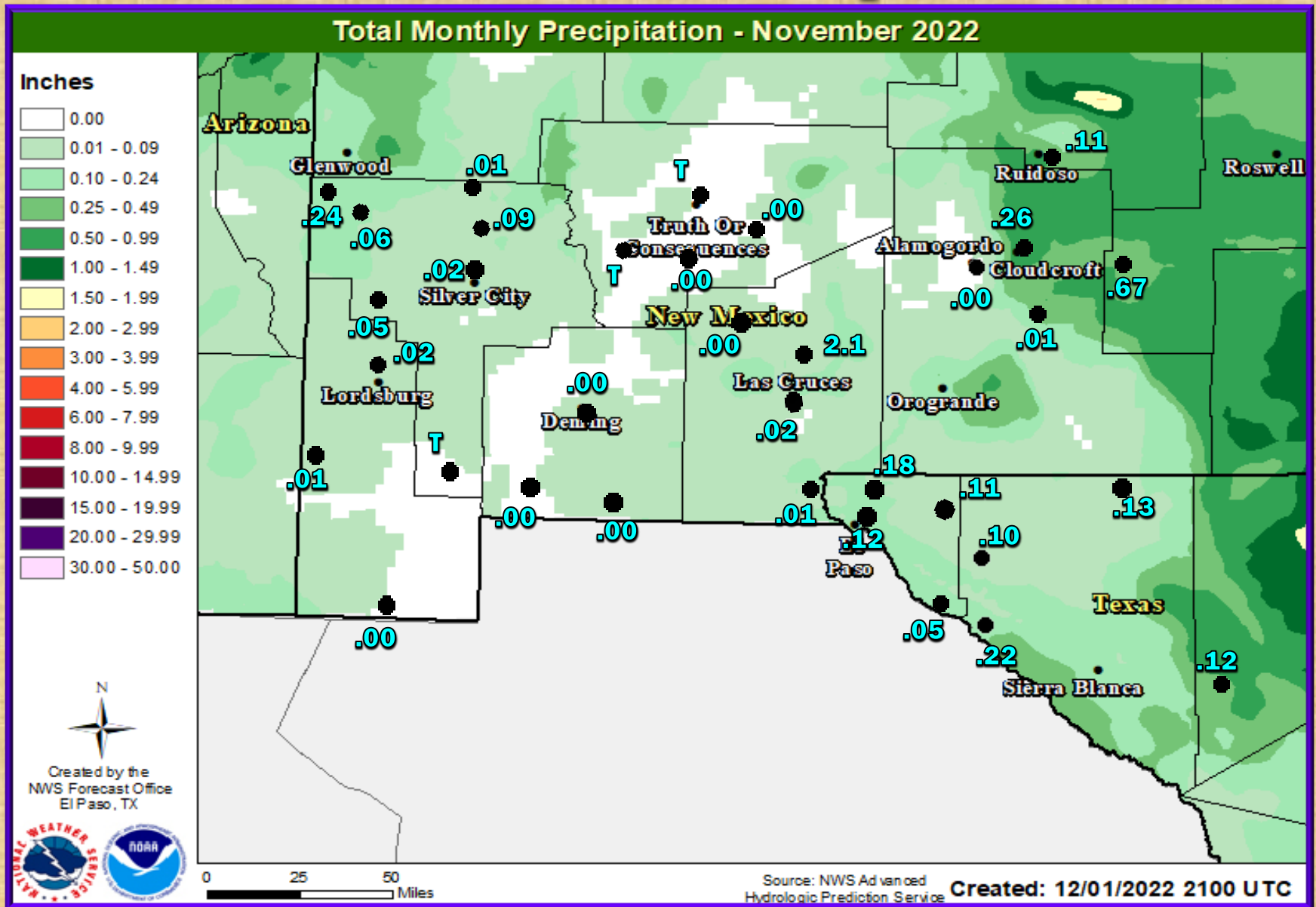
○ = record



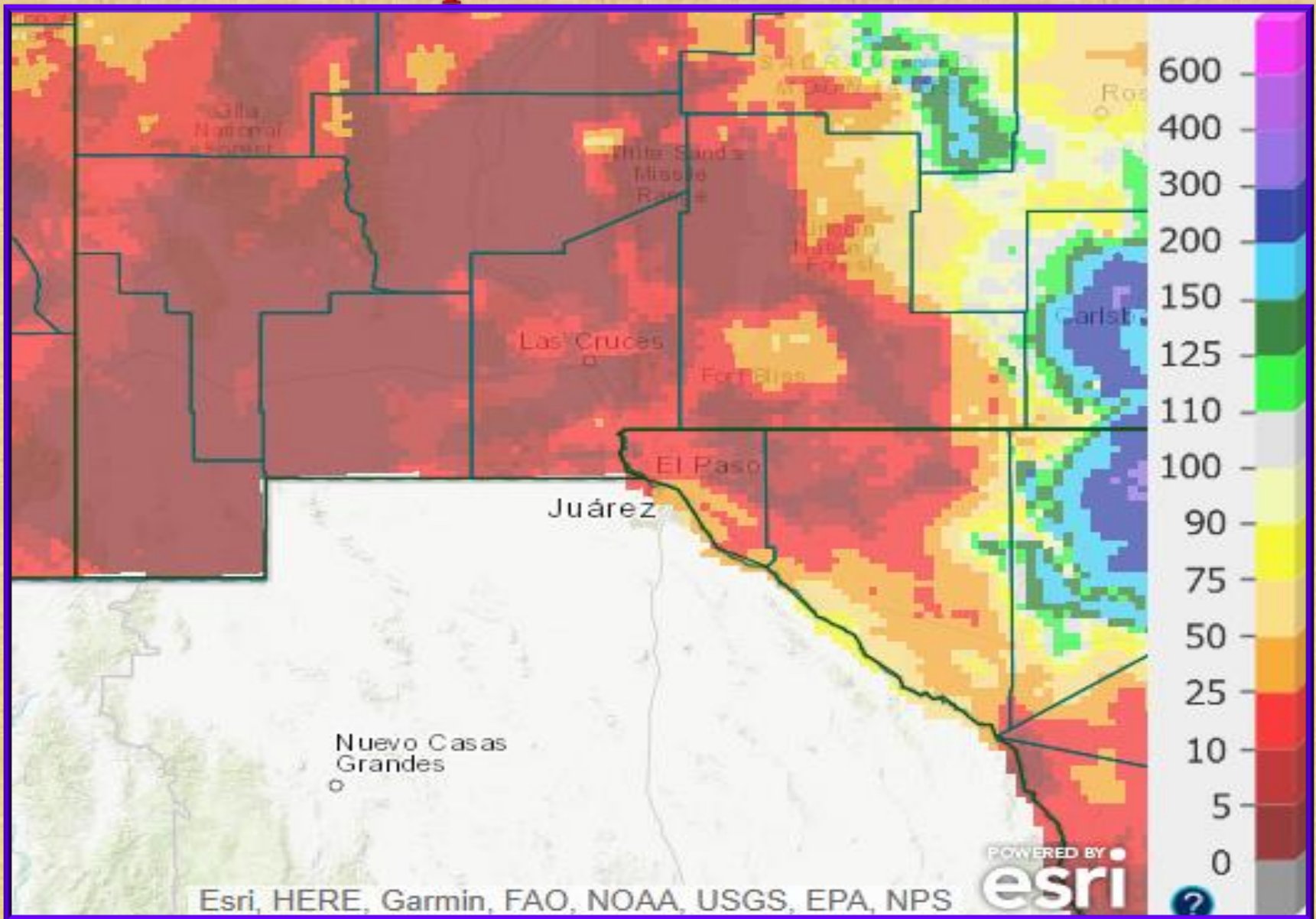
2022: Temperature and Precipitation YTD Data for El Paso



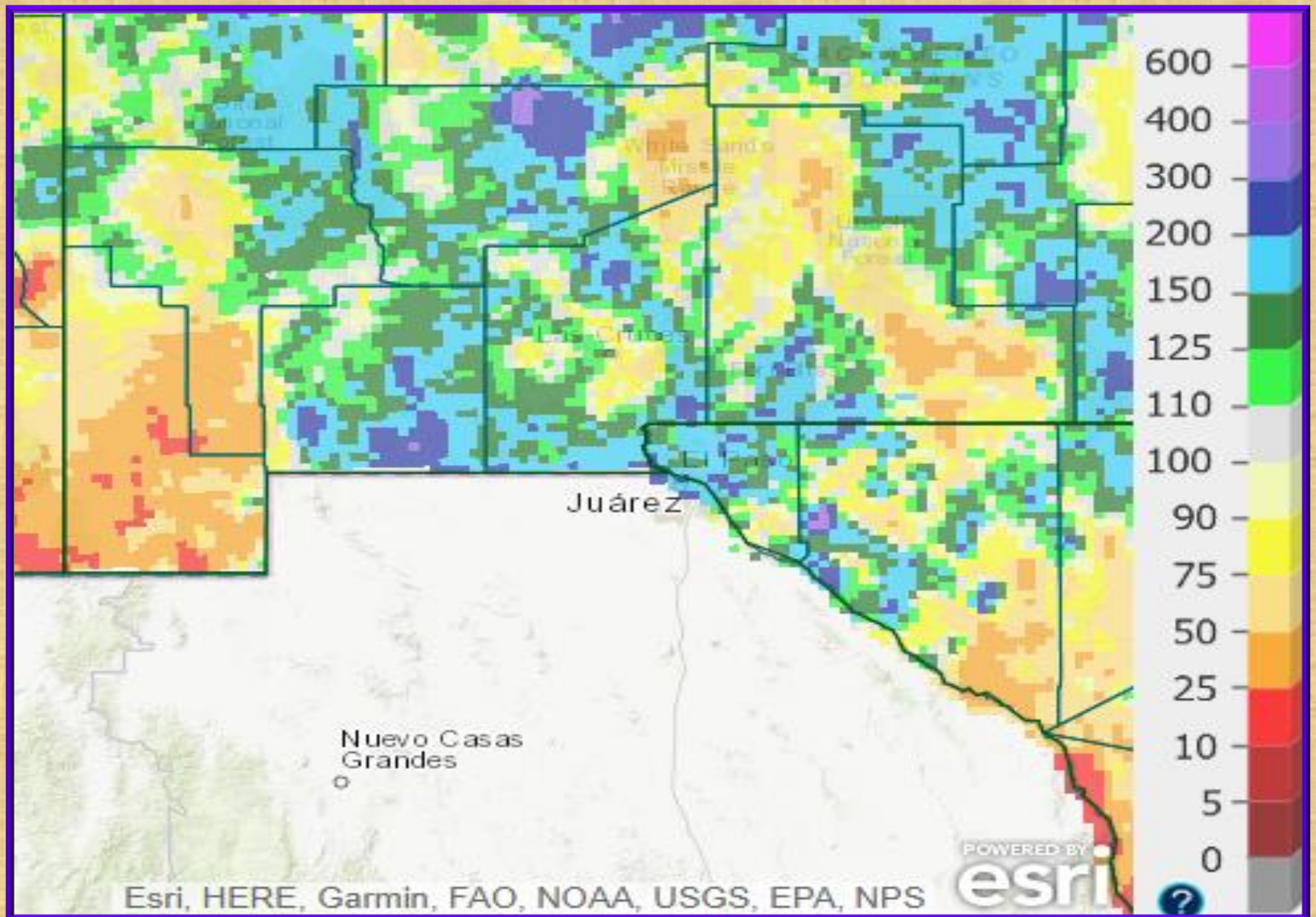
November 2022 radar rainfall estimate with surface rainfall reports



November 2022 rainfall estimate percent of normal



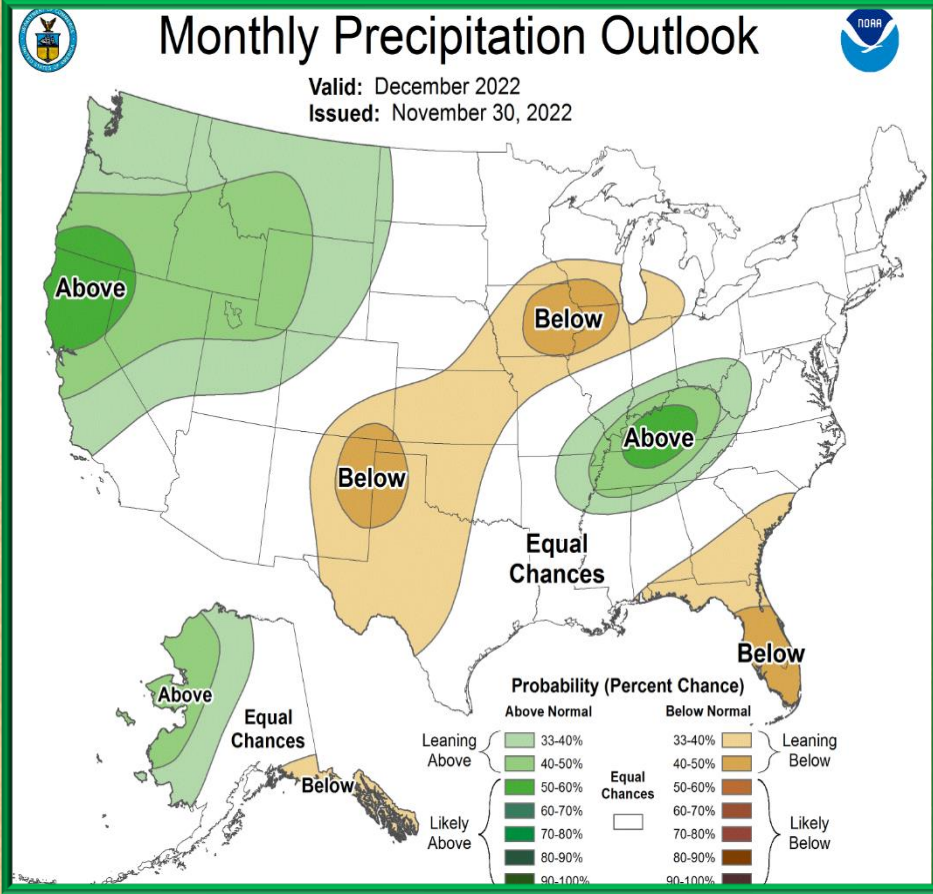
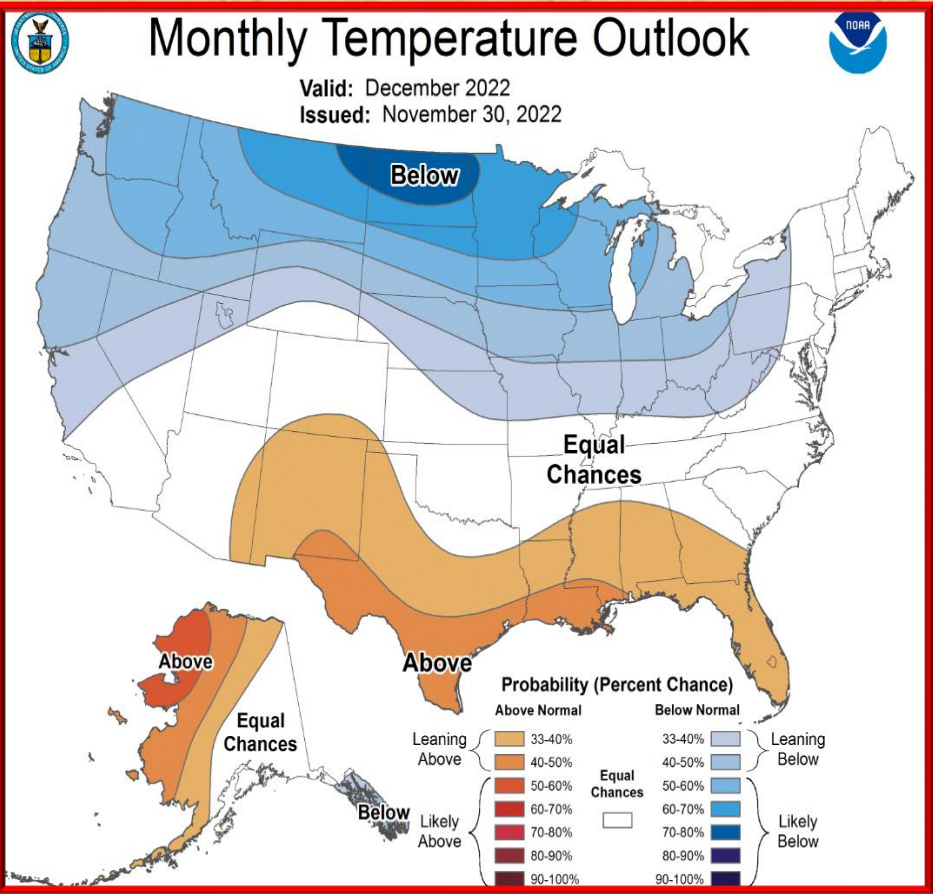
Radar rainfall estimate percent of normal for the Water Year (Oct 1 – Nov 30)



Temperature and precipitation outlook For December 2022

Temperature

Precipitation



Temperature and precipitation outlook for Dec-Feb 2023

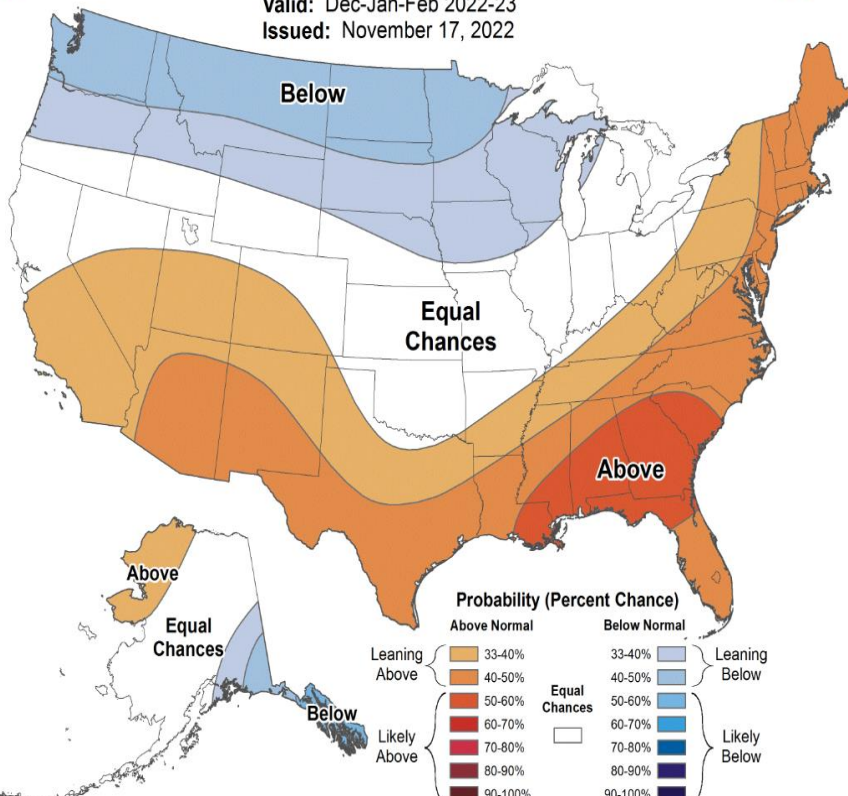
Temperature

Precipitation



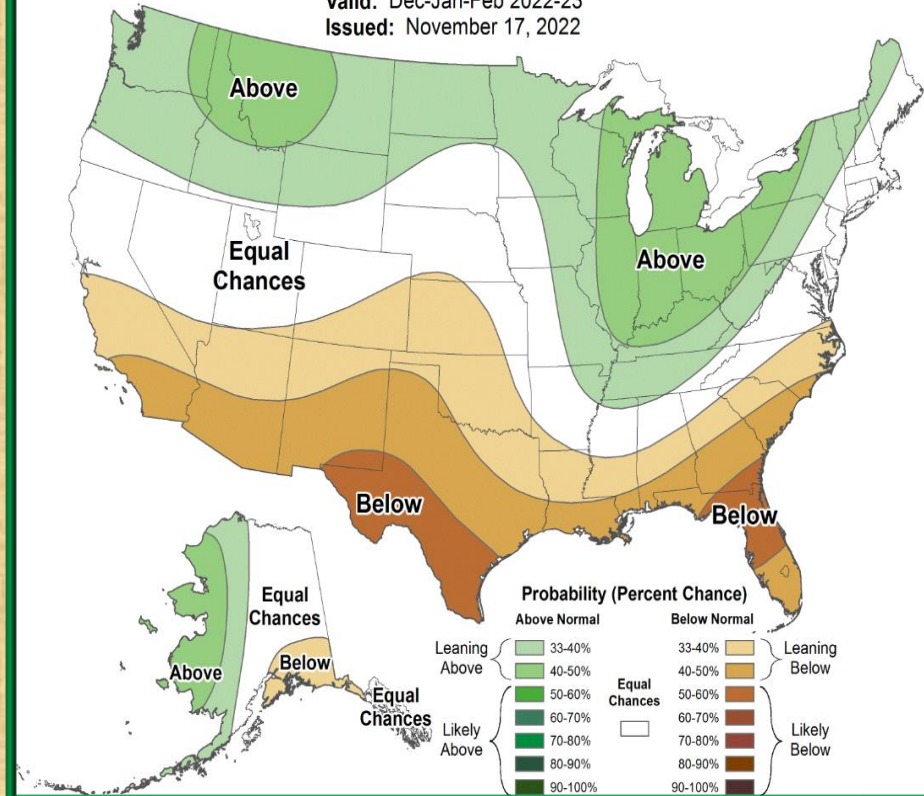
Seasonal Temperature Outlook

Valid: Dec-Jan-Feb 2022-23
Issued: November 17, 2022



Seasonal Precipitation Outlook

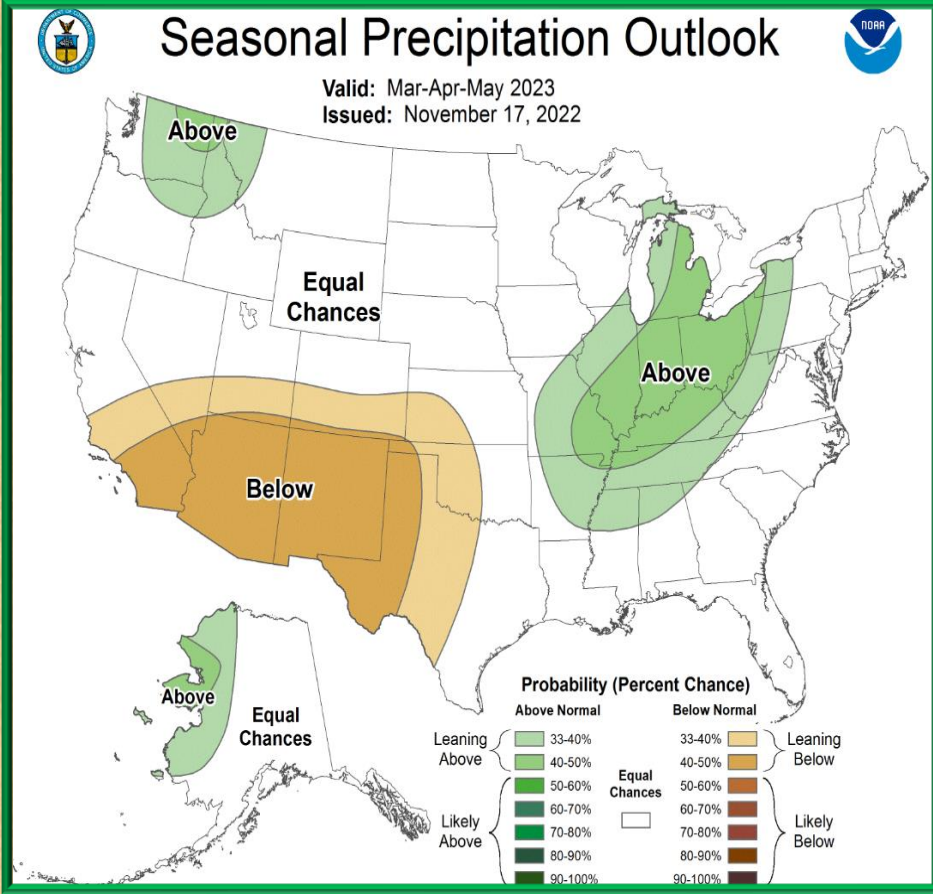
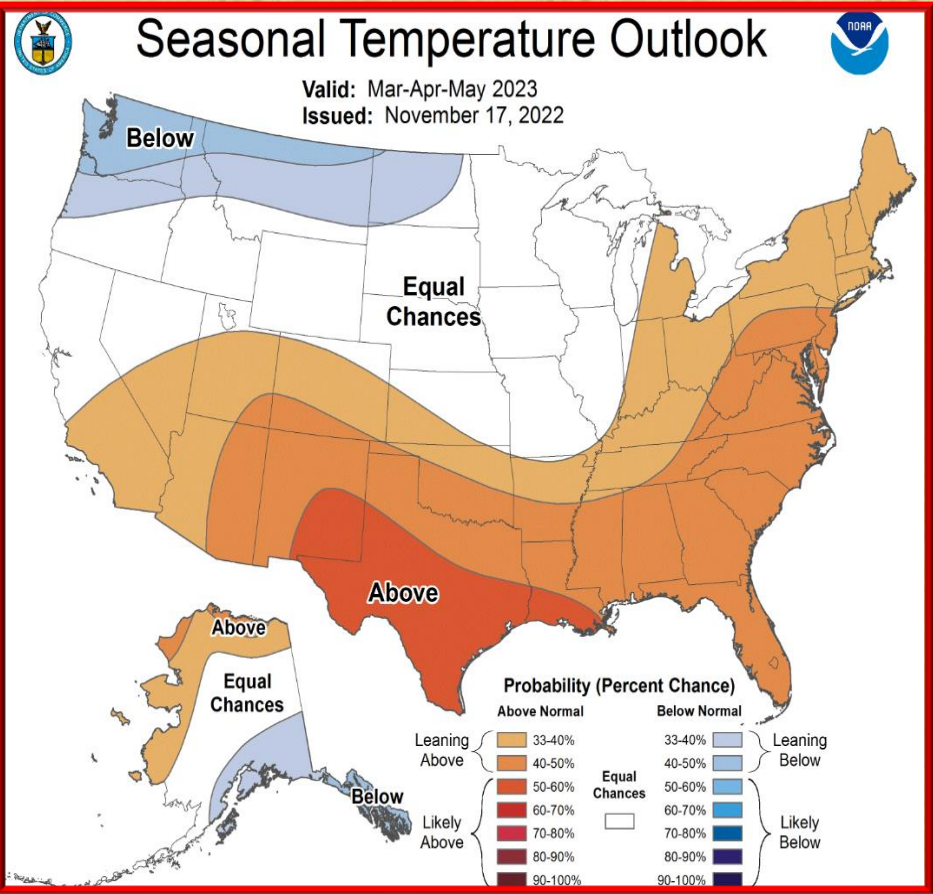
Valid: Dec-Jan-Feb 2022-23
Issued: November 17, 2022



Temperature and precipitation outlook for Mar-May 2023

Temperature

Precipitation

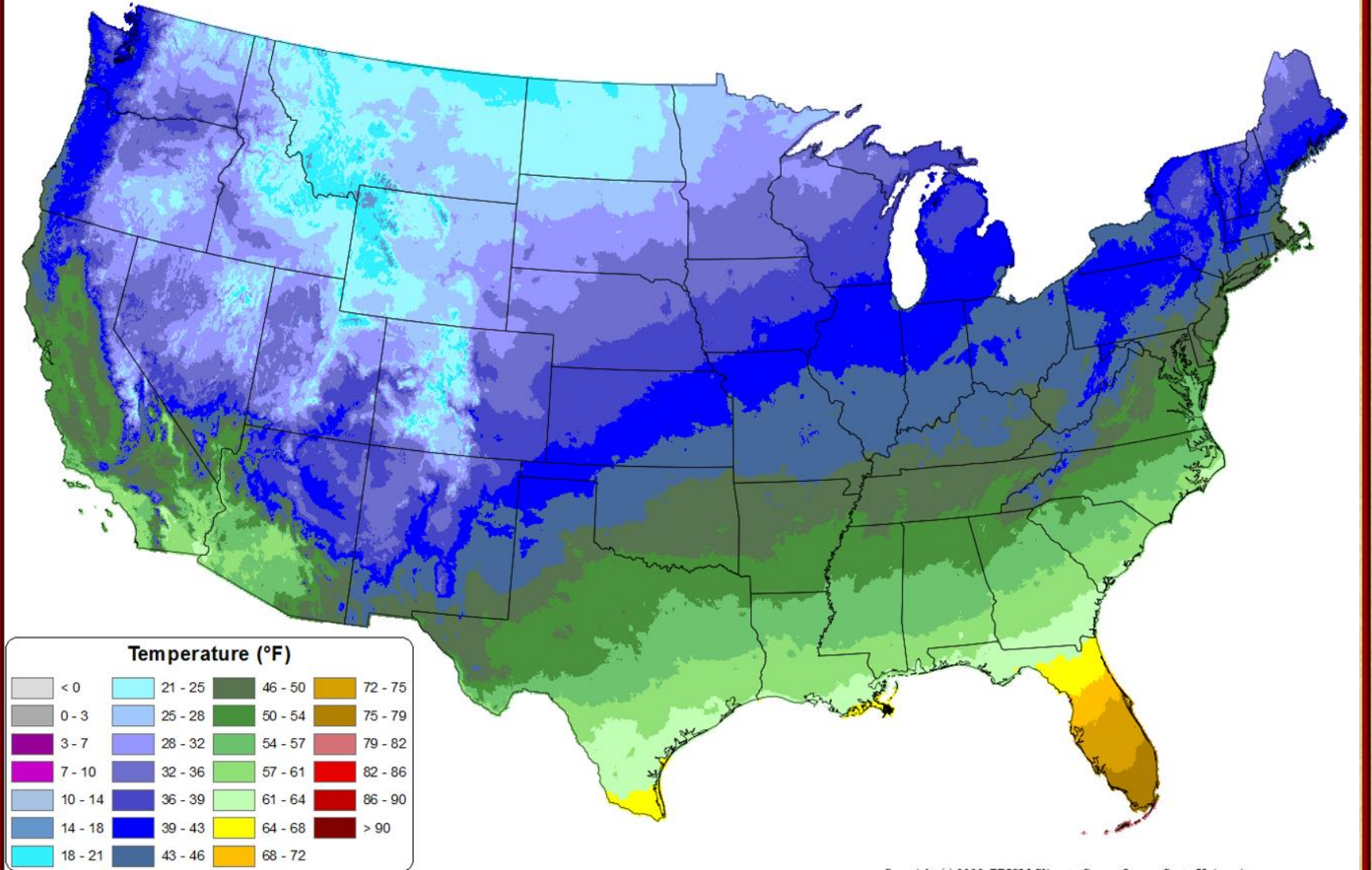


Average Daily Mean Temperature for November 2022

Average Daily Mean Temperature: Nov 2022

Period ending 7 AM EST 30 Nov 2022

(Map created 02 Dec 2022)

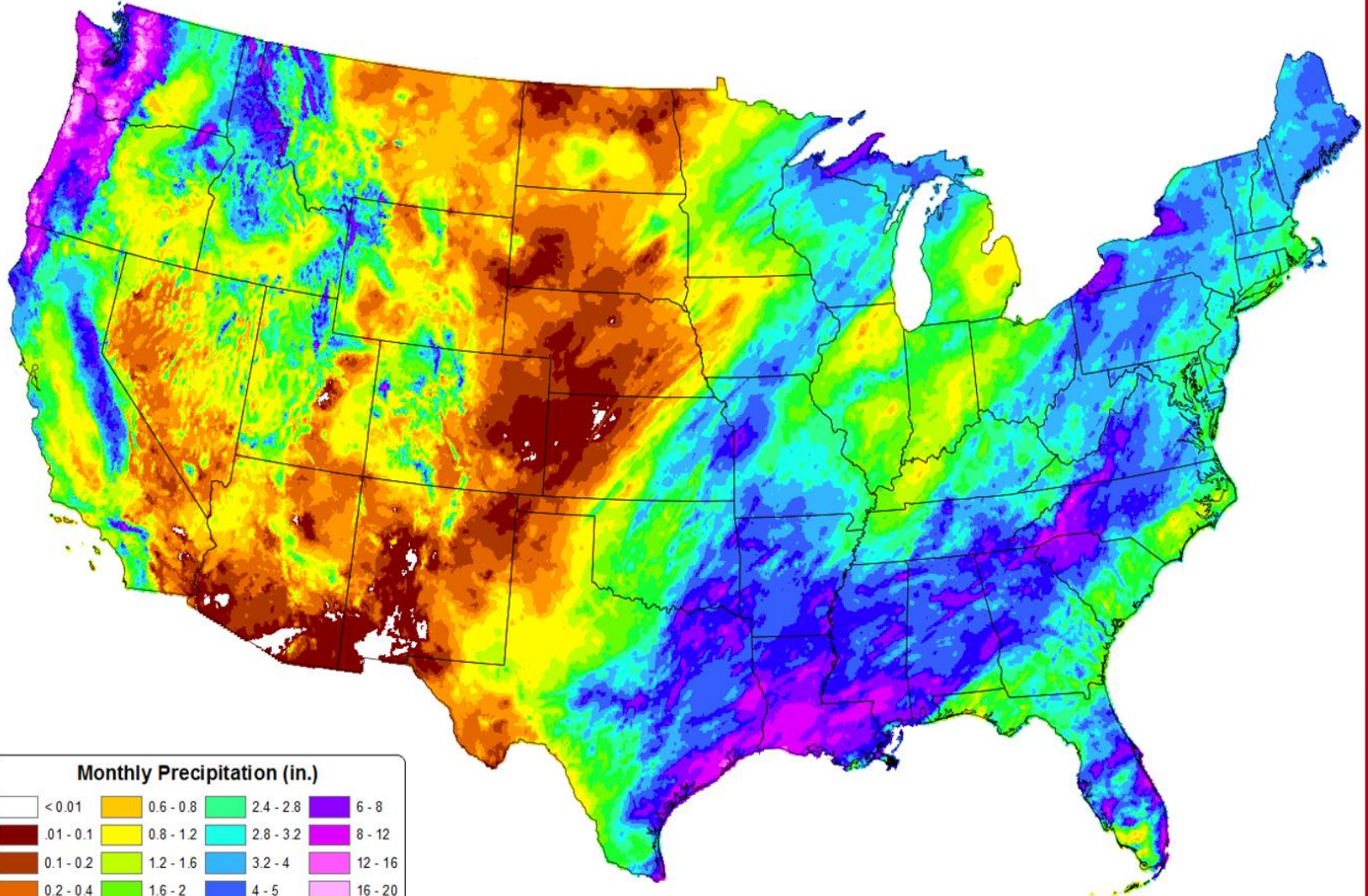


Total Precipitation for November 2022

Total Precipitation: Nov 2022

Period ending 30 Nov 2022

(Map created 02 Dec 2022)



Monthly Precipitation (in.)

<math>< 0.01</math>	0.6 - 0.8	2.4 - 2.8	6 - 8
0.01 - 0.1	0.8 - 1.2	2.8 - 3.2	8 - 12
0.1 - 0.2	1.2 - 1.6	3.2 - 4	12 - 16
0.2 - 0.4	1.6 - 2	4 - 5	16 - 20
0.4 - 0.6	2 - 2.4	5 - 6	>20

Selected Weather Reports November 2022

Date/Time	Location (County)	Event
NOVEMBER 3 800 PM	WSMR MAIN POST-DONA ANA	67 MPH PEAK WIND
NOVEMBER 3 435 PM	SAN AUGUSTIN PASS-DONA ANA	63 MPH PEAK WIND
NOVEMBER 3 259 PM	BURRO MTN-GRANT	52 MPH PEAK WIND
NOVEMBER 3 1240 PM	HACHITA VALLEY-HIDALGO	49 MPH PEAK WIND
NOVEMBER 3 1159 AM	T OR C AIRPORT-SIERRA	49 MPH PEAK WIND
NOVEMBER 3 525 PM	DEMING AIRPORT-LUNA	47 MPH PEAK WIND
NOVEMBER 3 122 PM	WINSTON-SIERRA	47 MPH PEAK WIND
NOVEMBER 3 326 PM	DRIPPING SPRINGS-DONA ANA	46 MPH PEAK WIND
NOVEMBER 3 524 PM	SANTA TERESA NWS-DONA ANA	45 MPH PEAK WIND
NOVEMBER 3 345 PM	LORDSBURG PLAYA MM9-HIDALGO	45 MPH PEAK WIND
NOVEMBER 3 335 PM	SPACEPORT AMERICA-SIERRA	45 MPH PEAK WIND
NOVEMBER 3 906 PM	BIGGS FIELD-EL PASO	45 MPH PEAK WIND

Selected Weather Reports November 2022

Date/Time	Location (County)	Event
NOVEMBER 3 509 PM	HIGH ROLLS-OTERO	44 MPH PEAK WIND
NOVEMBER 3 204 PM	EL PASO INTL AIRPORT-EL PASO	44 MPH PEAK WIND
NOVEMBER 3 1130 AM	ARREY 2N-SIERRA	43 MPH PEAK WIND
NOVEMBER 3 1201 PM	MAYHILL-OTERO	42 MPH PEAK WIND
NOVEMBER 3 1115 AM	LAS CRUCES AIRPORT-DONA ANA	41 MPH PEAK WIND
NOVEMBER 3 245 PM	SIERRA BLANCA-HUDSPETH	40 MPH PEAK WIND
NOVEMBER 26 700 AM	MAYHILL-OTERO	11.5" SNOWFALL
NOVEMBER 26 700 AM	CLOUDCROFT 1NW-OTERO	7.0" SNOWFALL
NOVEMBER 26 700 AM	CLOUDCROFT 1SE-OTERO	5.3" SNOWFALL
NOVEMBER 26 700 AM	KINGSTON-SIERRA	1.5" SNOWFALL
NOVEMBER 26 700 AM	HILLSBORO-SIERRA	TRACE SNOWFALL
NOVEMBER 26 700 AM	EL PASO INTL AIRPORT-EL PASO	TRACE SNOWFALL

Special Features

<http://www.srh.noaa.gov/epz/?n=elpwindrosedata>

Month: NOVEMBER

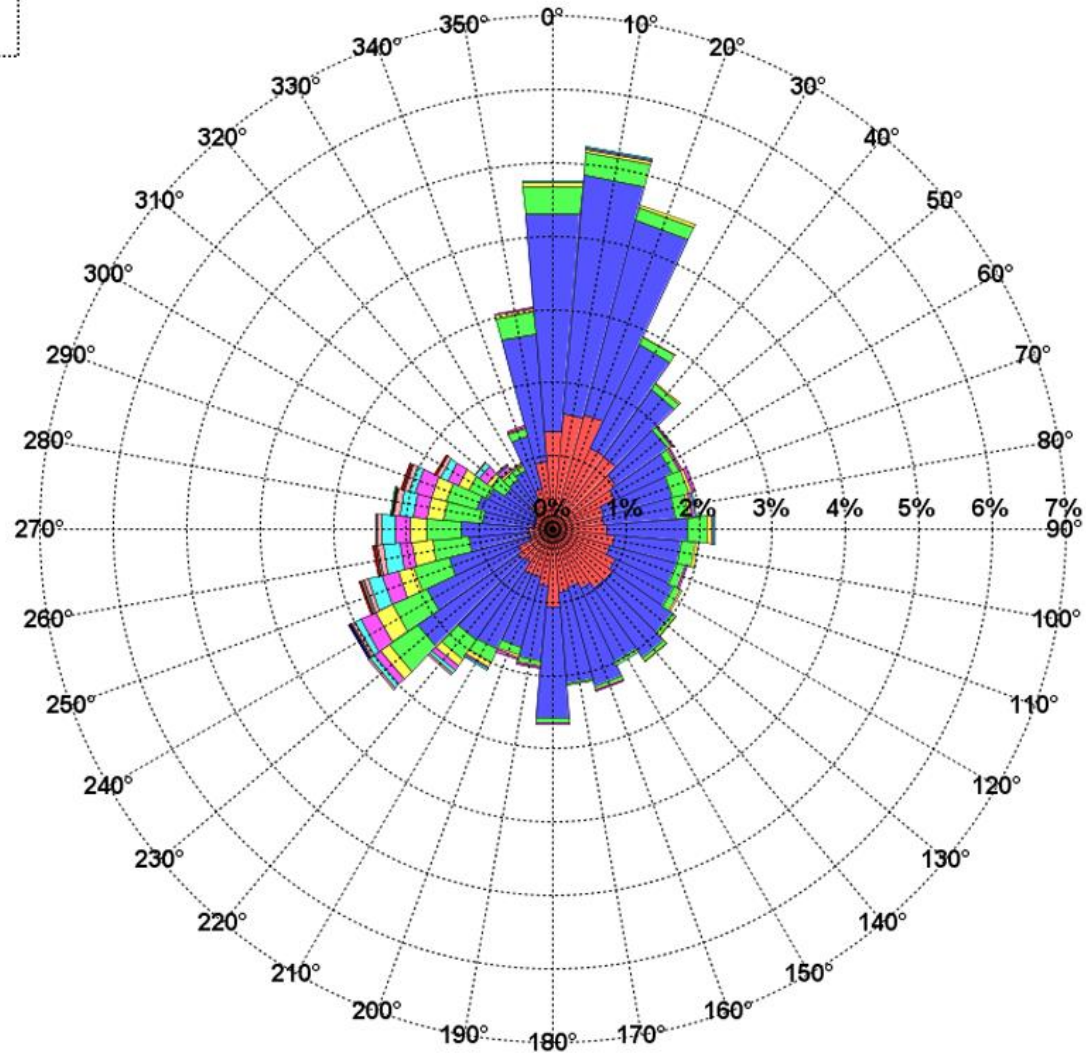
Calm: 12.23%

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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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 <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 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	