

May 2024 Weather Digest



May 2024 Weather Summary

May ended up being a warm and extremely dry month as persistent dry west/southwest flow aloft and main storm track to our north eliminated most any chance for rain. Temperatures ranged from about 1 to 3 degrees above normal. The first triple digits of the year were recorded in the Rio Grande lower valley from El Paso downstream.

This dryness usually defines the beginning of the fire season each year, and it was no different this year as we saw several fire stars in the Sacramento Mountains. The Blue 2 fire northwest of Ruidoso was the most serious fire, although fortunately it burned mostly in an uninhabited area. It did cause some smoke/poor air quality issues in and around Ruidoso. As of this writing the fire was about 69 percent contained. As far as moisture, the entire area saw less than 50 percent of normal, with many areas near zero percent.

The other highlight of the month was the visibility of the Northern Lights (Aurora Borealis) early in the month due to strong impulses from solar flareups.

May 2024 Weather Summary

Looking ahead to June, we continue to warm up, and we often see some of our hottest temperatures of the season. Fortunately our humidity is usually still low, so night time temperatures are still able to cool somewhat. The average high temperature on June 1 is 95° and increases to 97° by the end of the month. Daylight continues to increase to 14 hours, 13 mins on June 20, which is the Summer Solstice. Daylight length then starts a very slow decrease into the Fall and Winter.

For our Lunar fans, June's full moon occurs on the 21st. It is commonly known as the Strawberry Moon. The new moon for this month occurs on June 6. There are no Lunar or Solar eclipses in June.

**May 26 Blue2 Fire northwest
of Ruidoso**



**May 26 Blue2 Fire northwest
of Ruidoso**



**May 26 Blue2 Fire northwest
of Ruidoso**



**May 26 Blue2 Fire northwest
of Ruidoso**



May 3 Fire at Timberon



May 21 Moser Fire near Cloudcroft



May 10 Borealis Silver City



May 10 Borealis Silver City



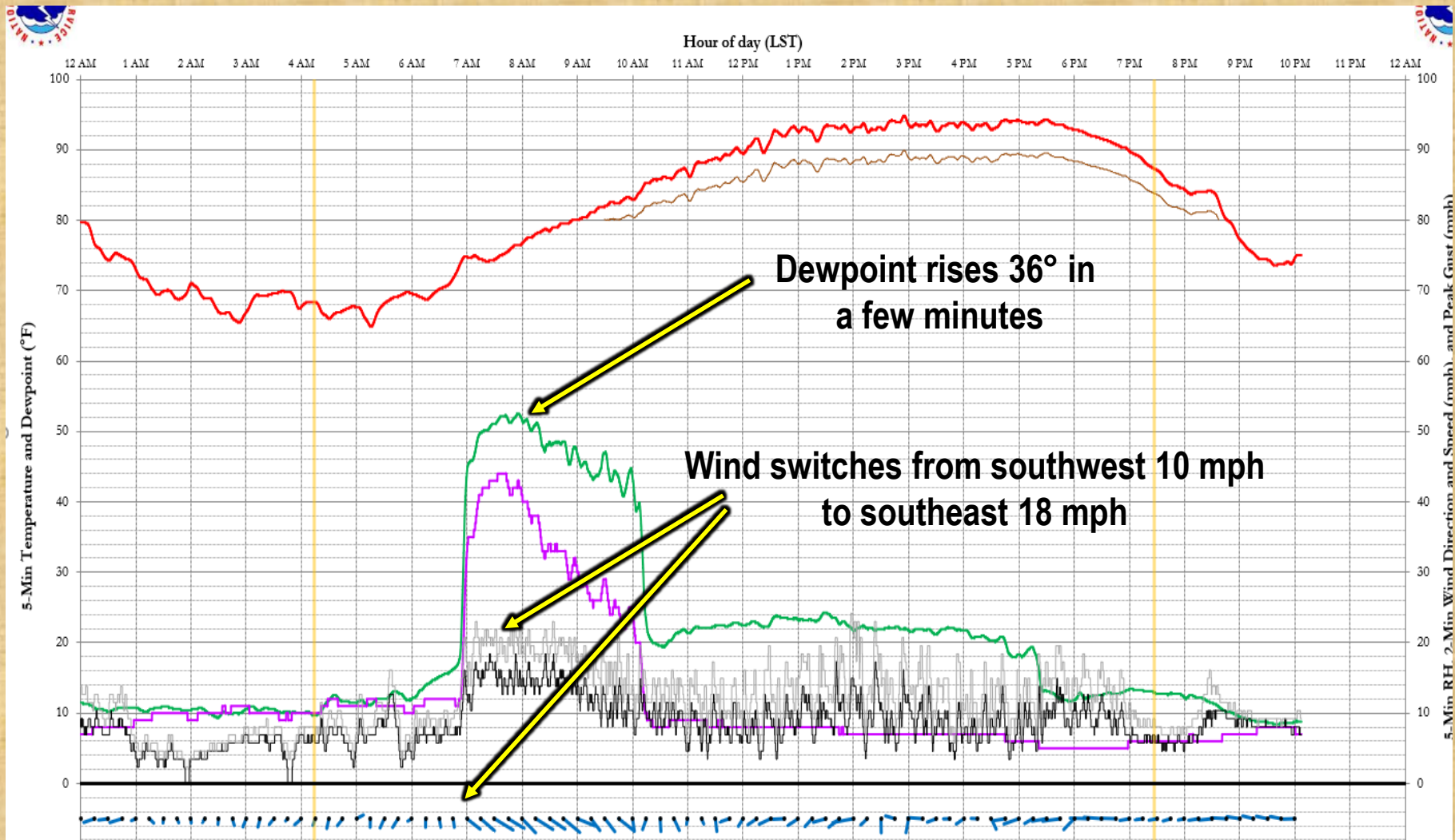
May 10 Borealis Wind Canyon



May 10 Borealis Santa Teresa



May 29 Dry-line moves west through our office at Santa Teresa



ENSO Alert System Status:
El Niño Advisory is in effect/
La Niña Watch is also in effect

ENSO Alert System

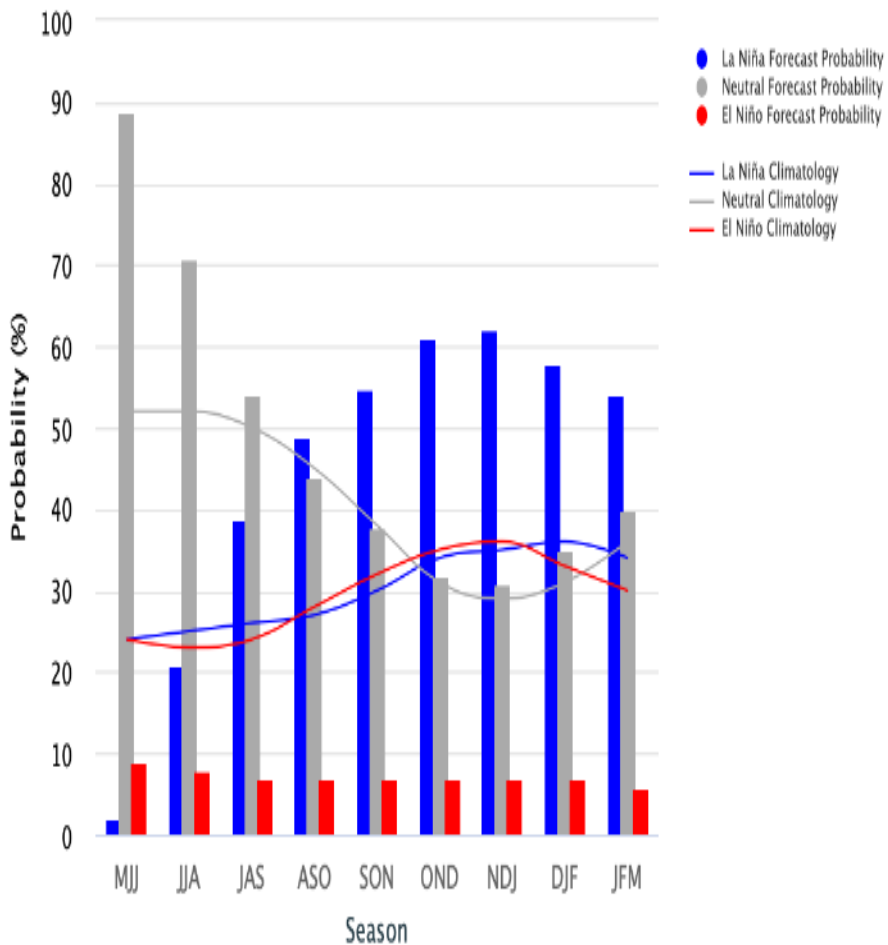
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

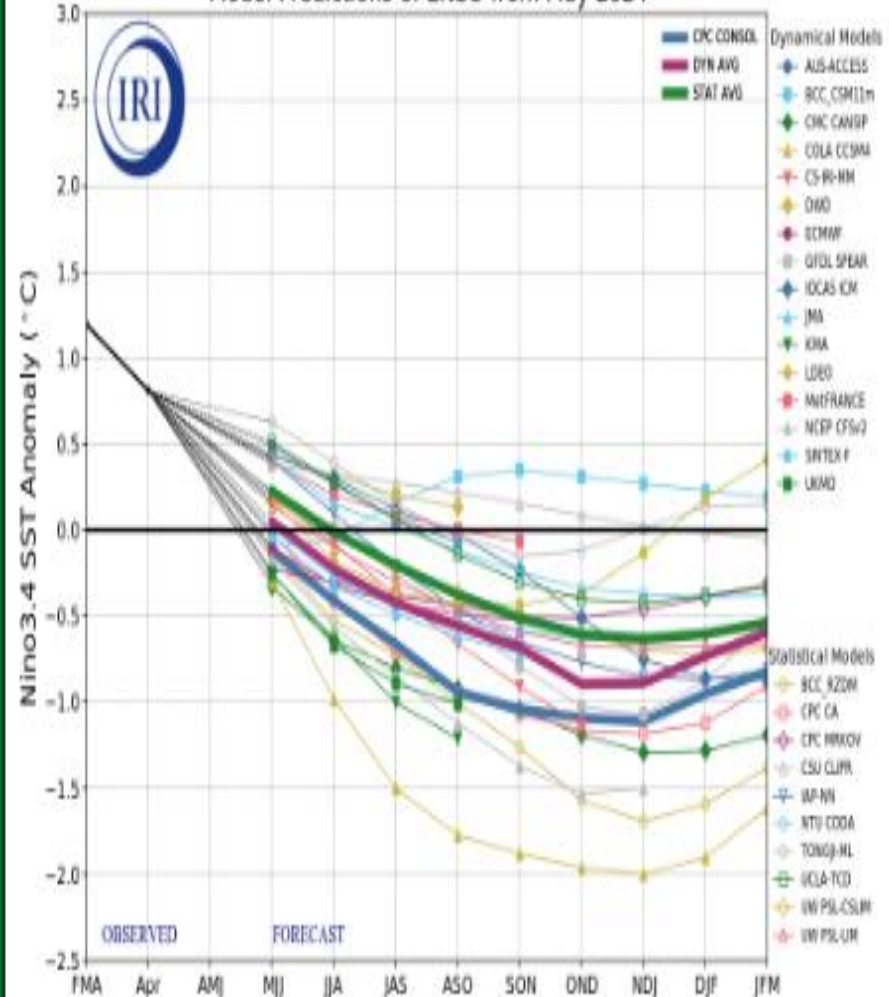
ENSO is in El Niño phase and is expected to transition to neutral by the beginning of this summer; and likely back to La Niña by the end of summer or early Fall.

Mid-May 2024 IRI Model-Based Probabilistic ENSO Forecasts

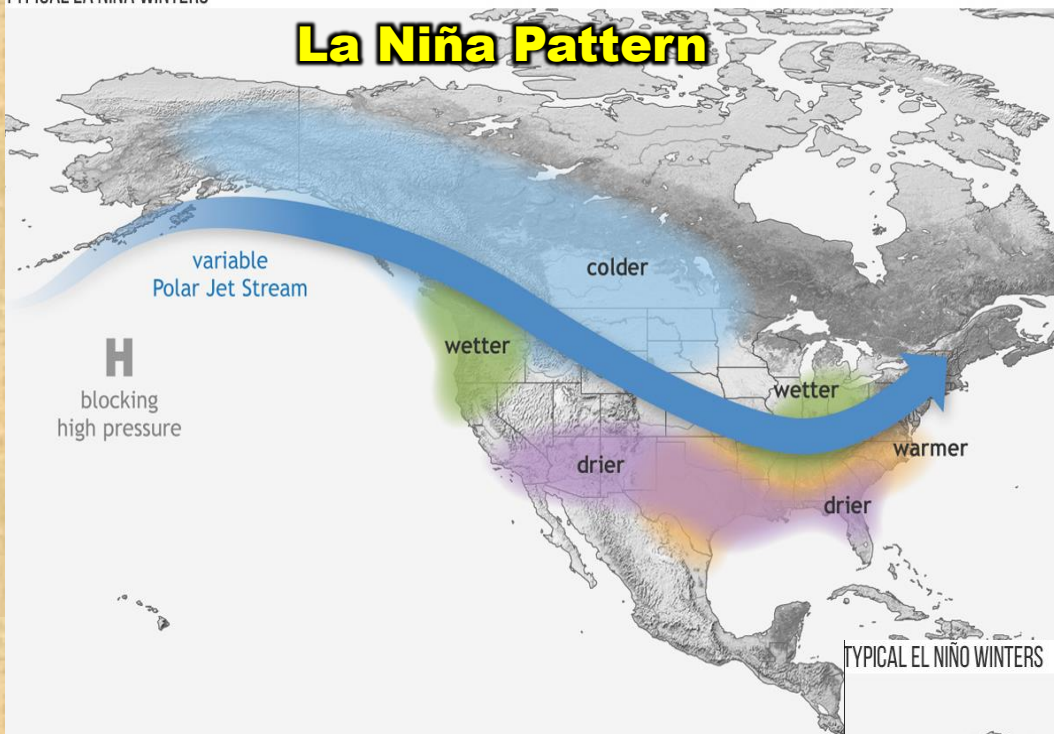
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5°C to 0.5°C



Model Predictions of ENSO from May 2024

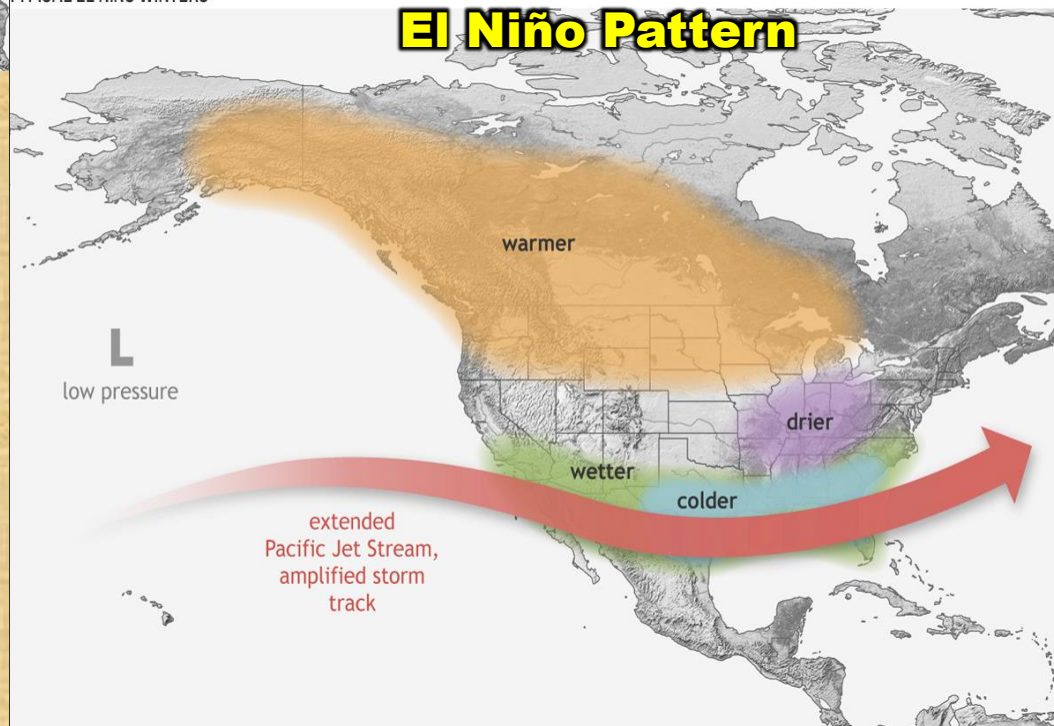


La Niña Pattern



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



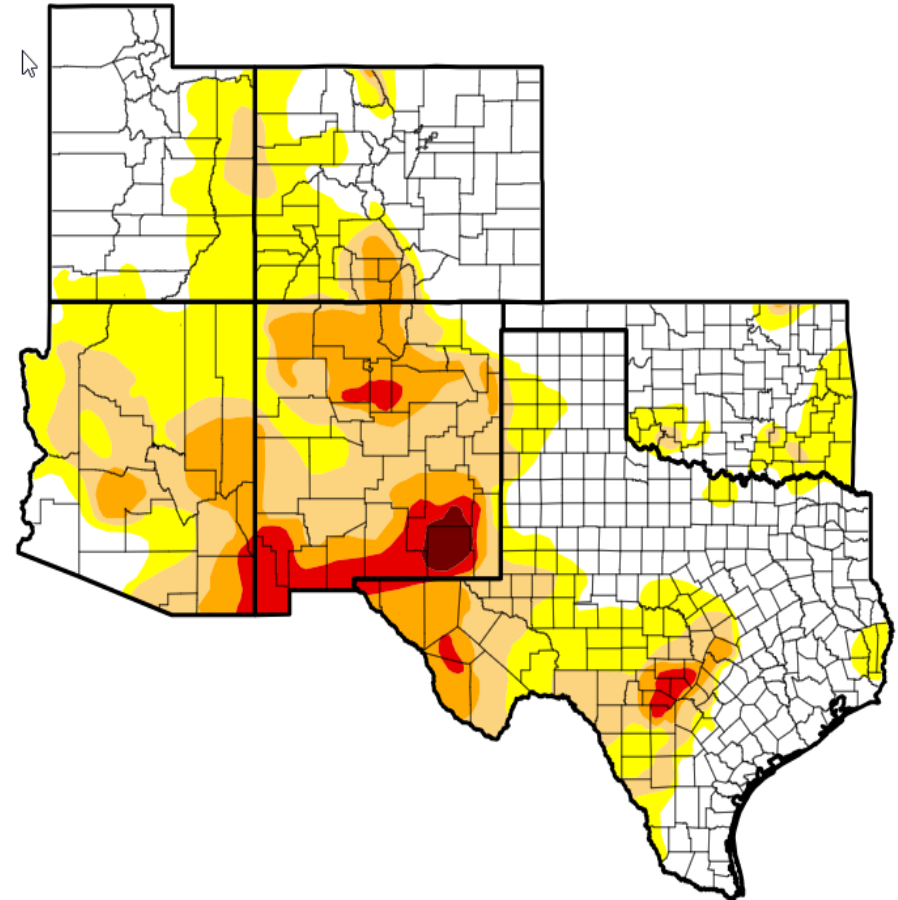
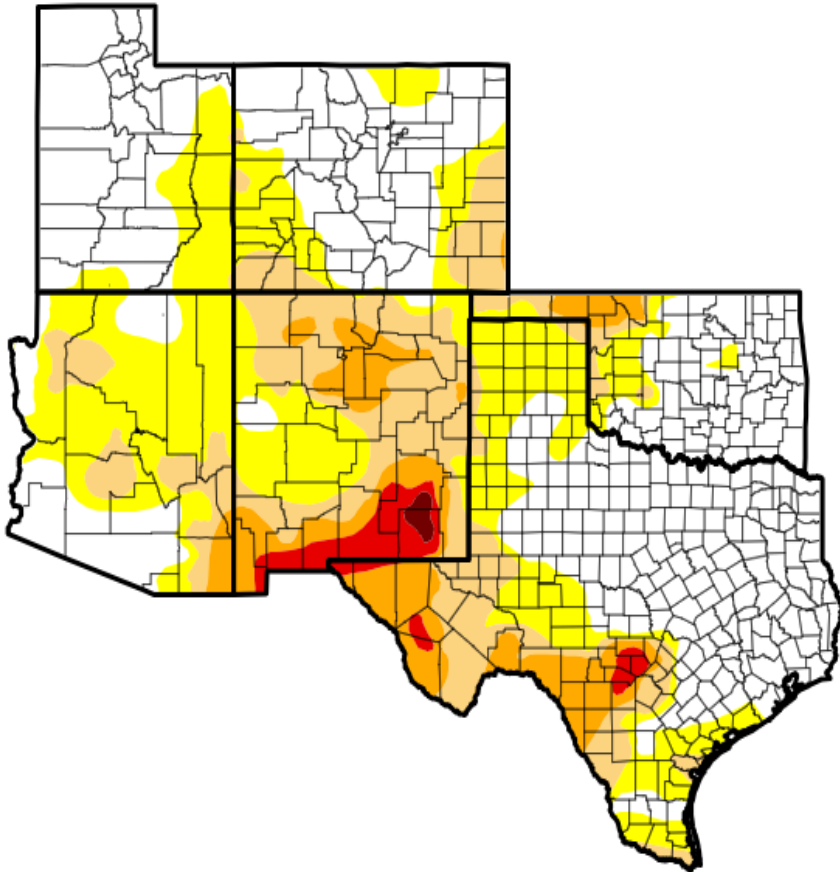
With El Niño, we often see the opposite pattern where the eastern Pacific ridge of high pressure is often weak or non-existent, allowing winter storms to sweep across the southern U.S. This typically will give the southwestern U.S. above normal precipitation.

Current drought conditions and 3 month change

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

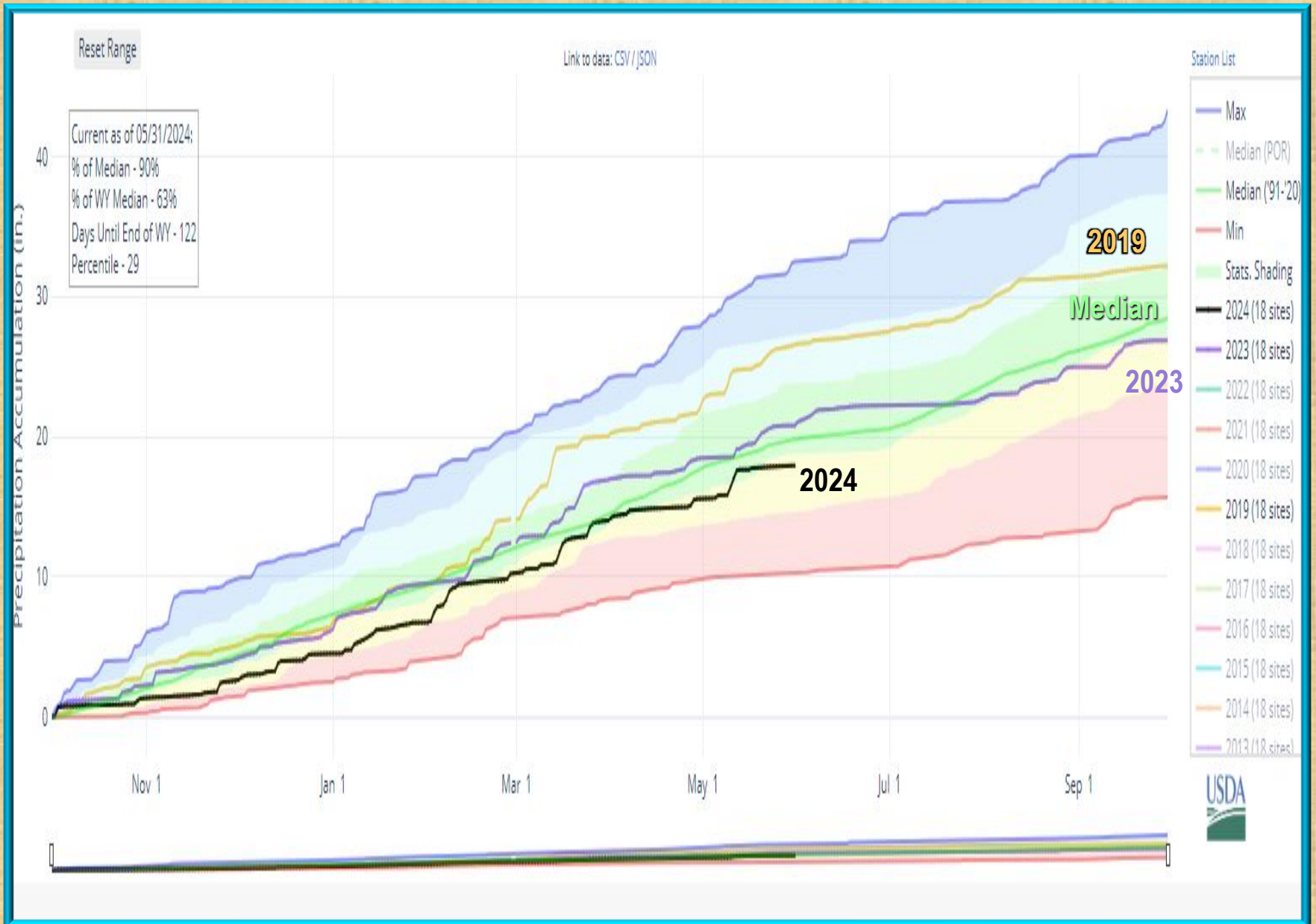
May 28, 2024

Feb 27, 2024



Precipitation for the Water Year Oct 1 – May 31, 2024

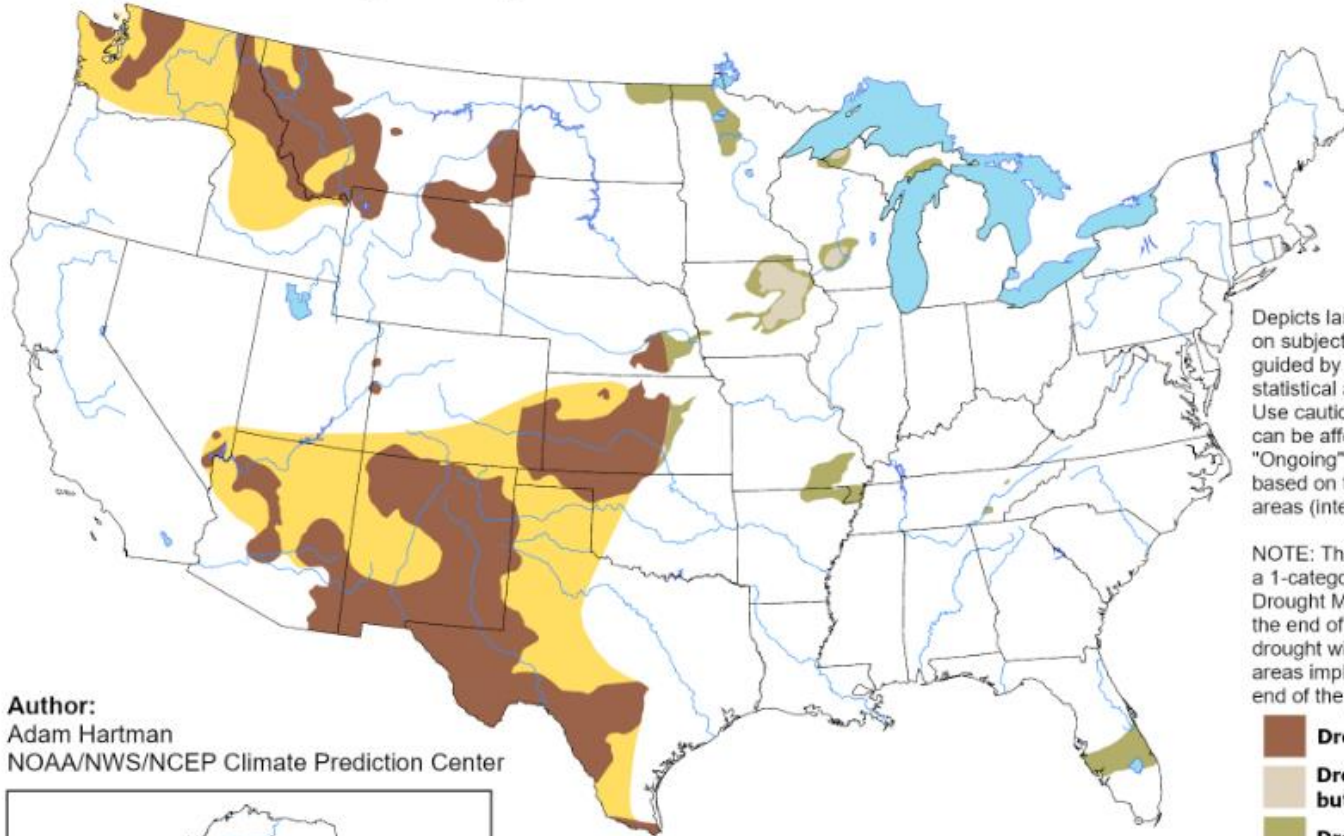
Compare to last few years and average values



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

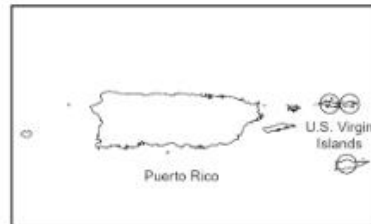
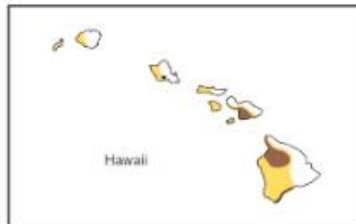
Valid for May 16 - August 31, 2024
Released May 16, 2024



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).

Author:
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NOAA/NWS/NCEP Climate Prediction Center



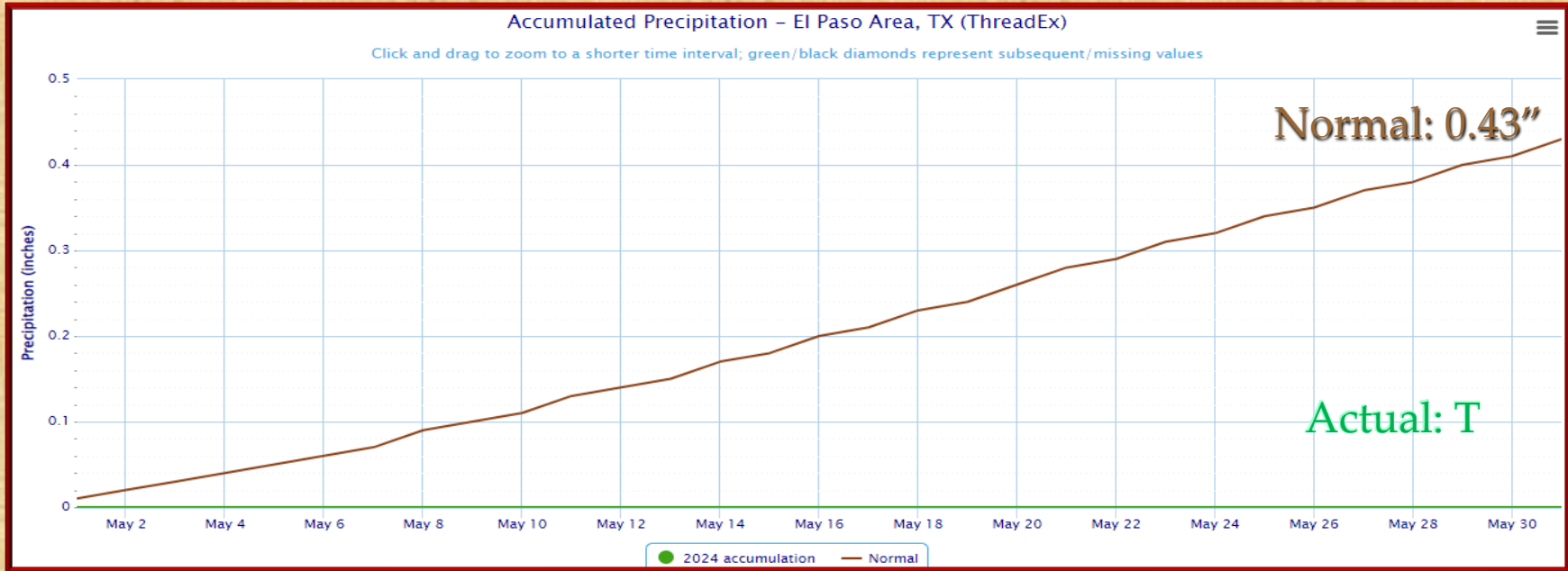
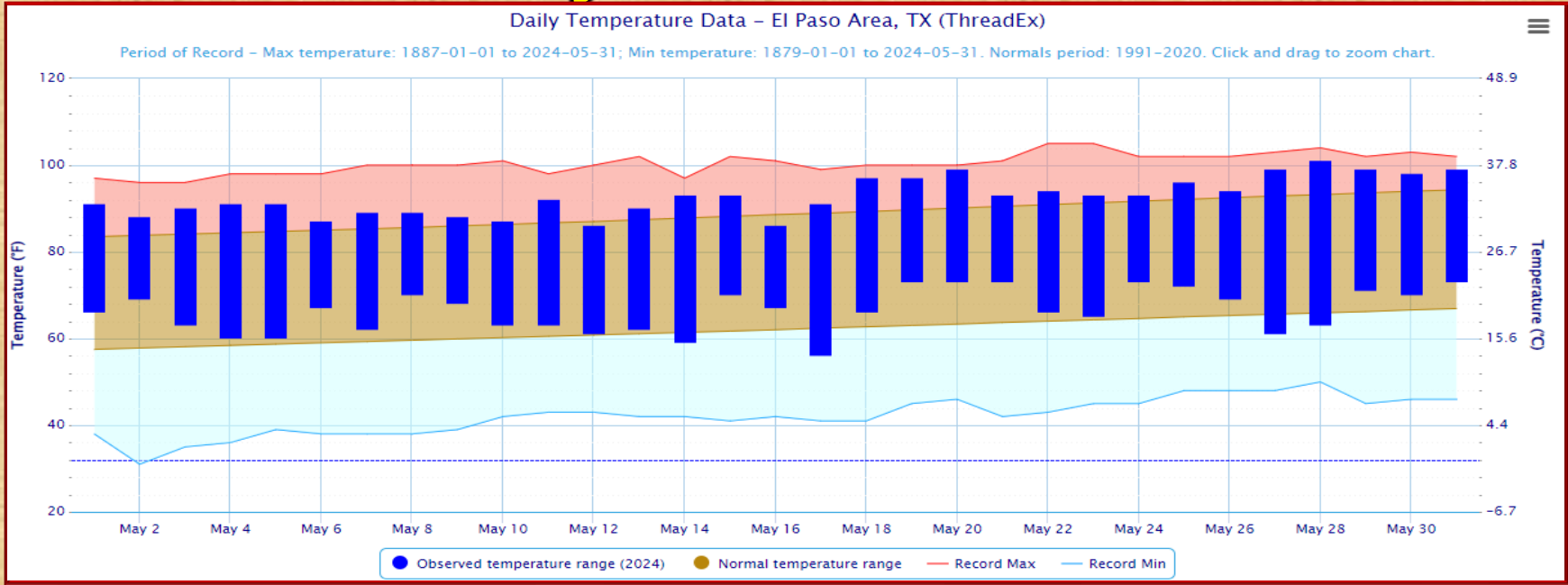
-  **Drought persists**
-  **Drought remains, but improves**
-  **Drought removal likely**
-  **Drought development likely**
-  **No drought**



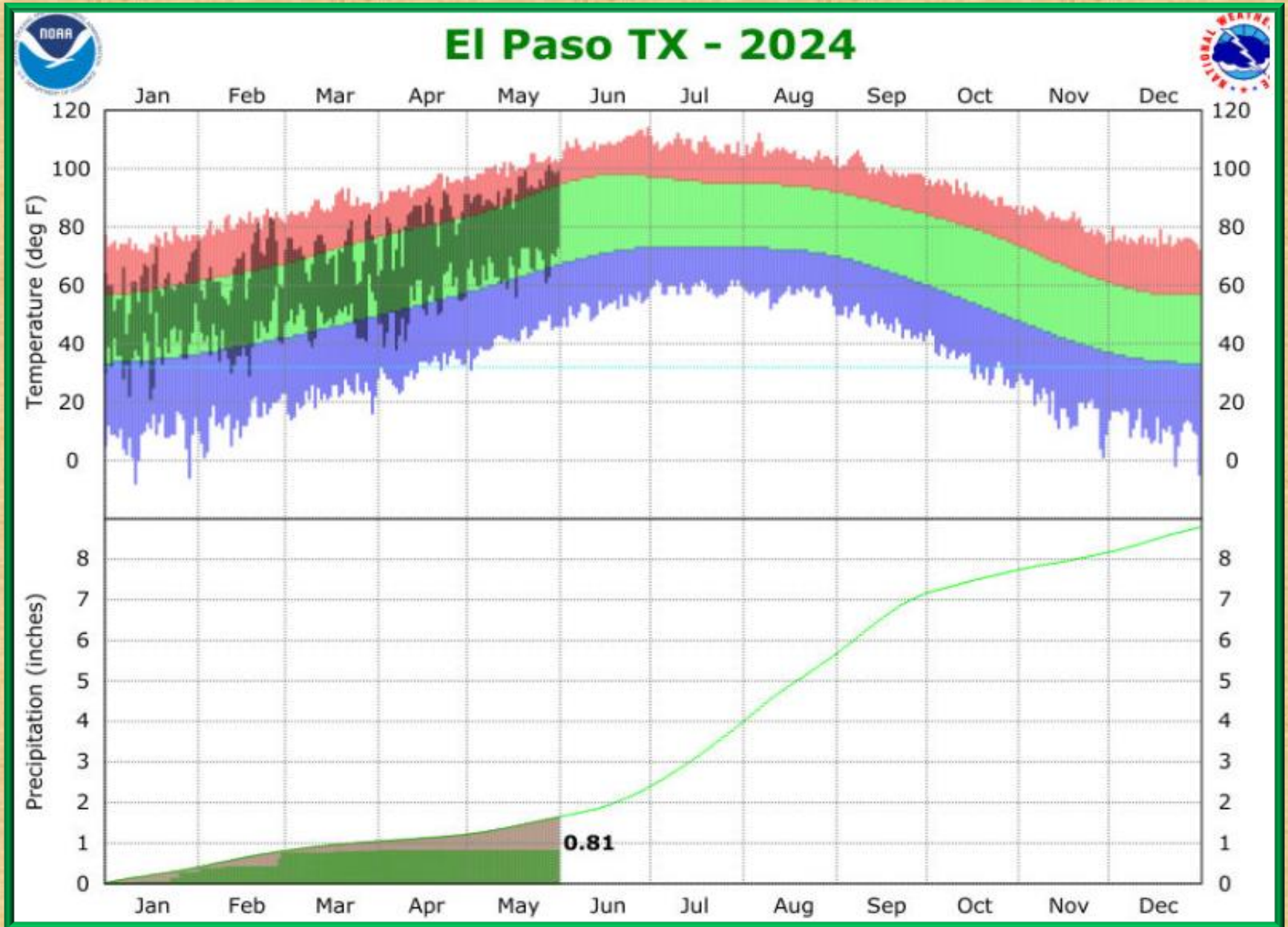
<https://go.usa.gov/3eZ73>

Temperature and precipitation data for May 2024 in El Paso

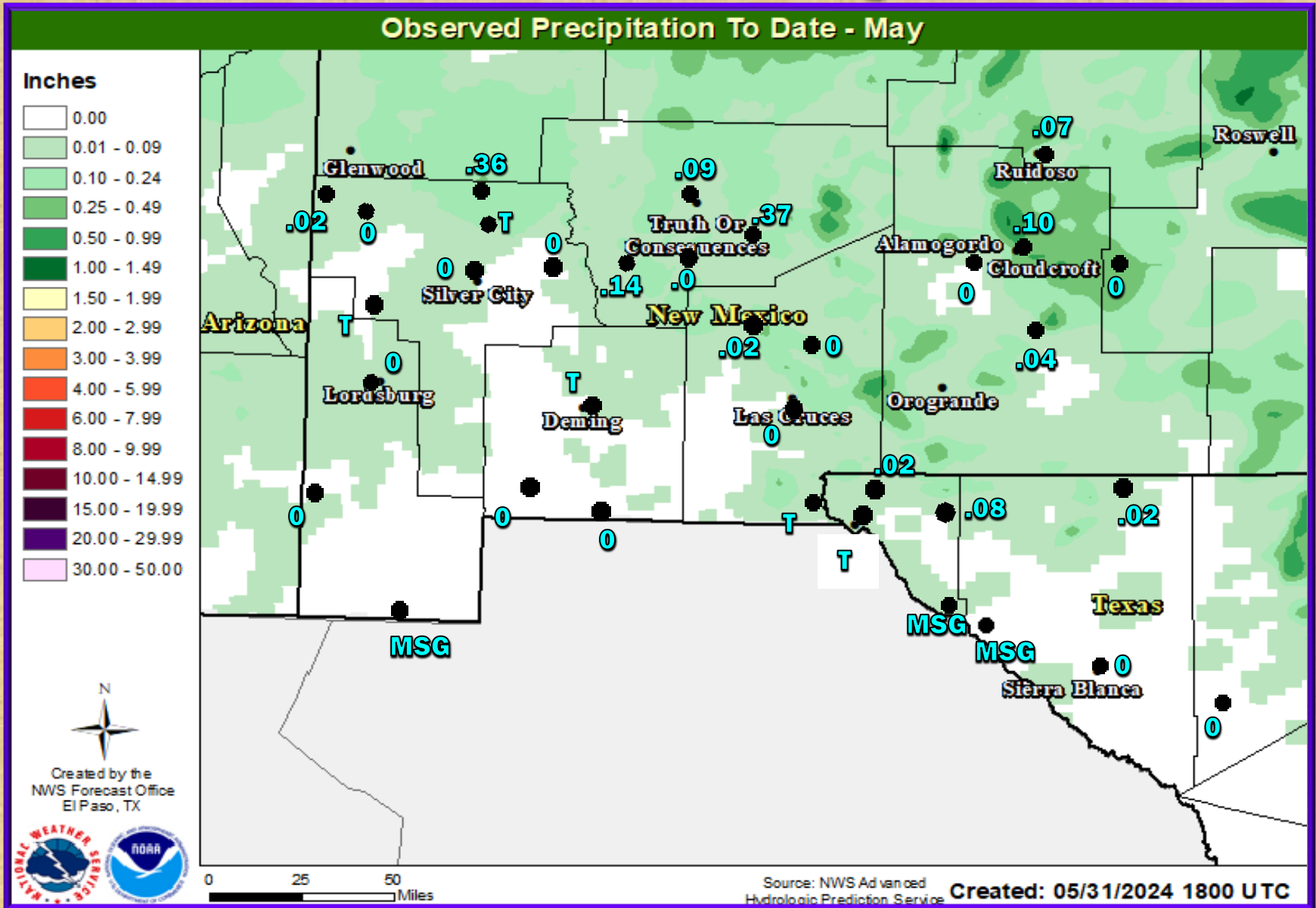
○ = record



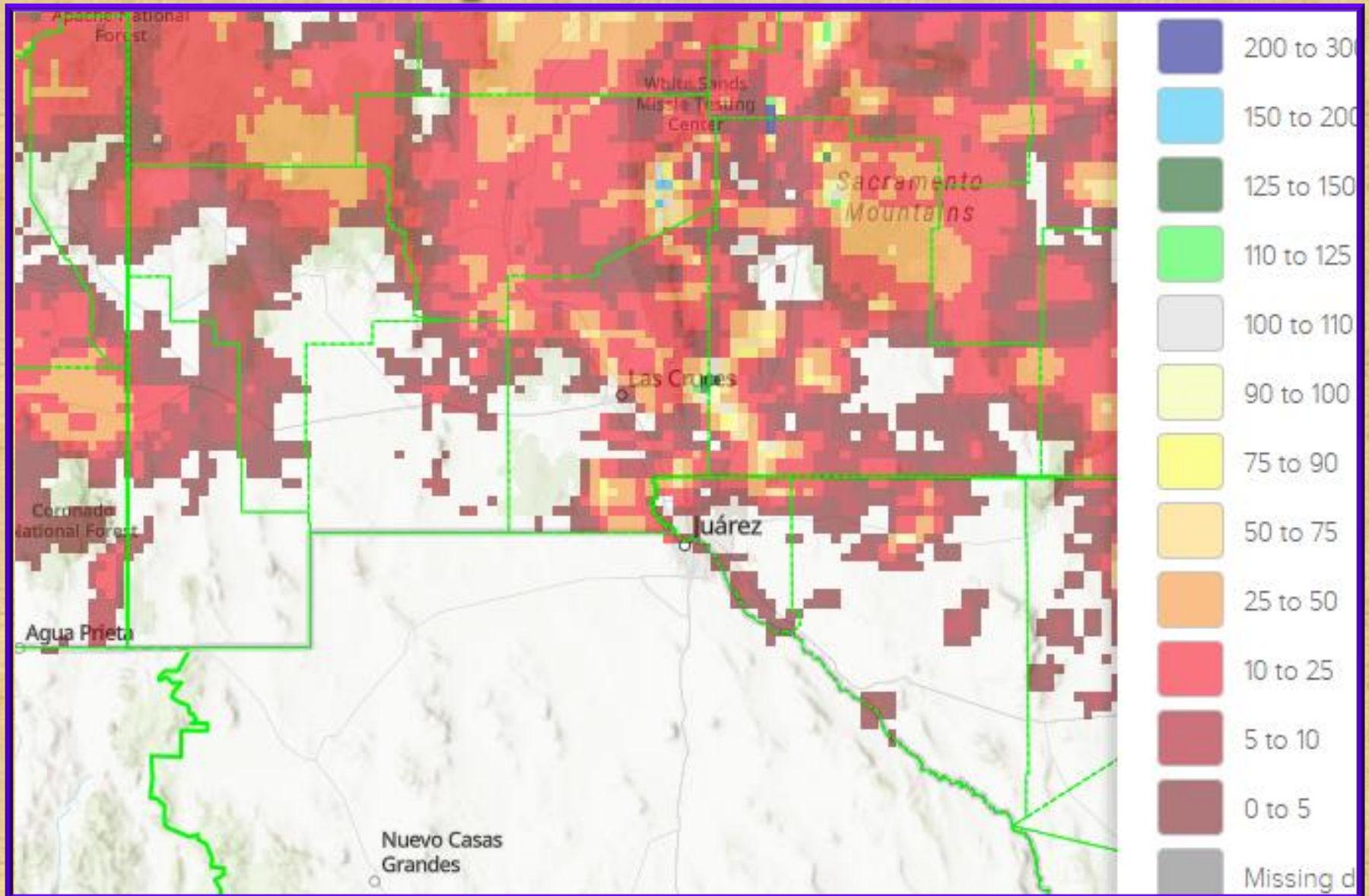
Temperature and Precipitation Year-to-date for 2024 for El Paso



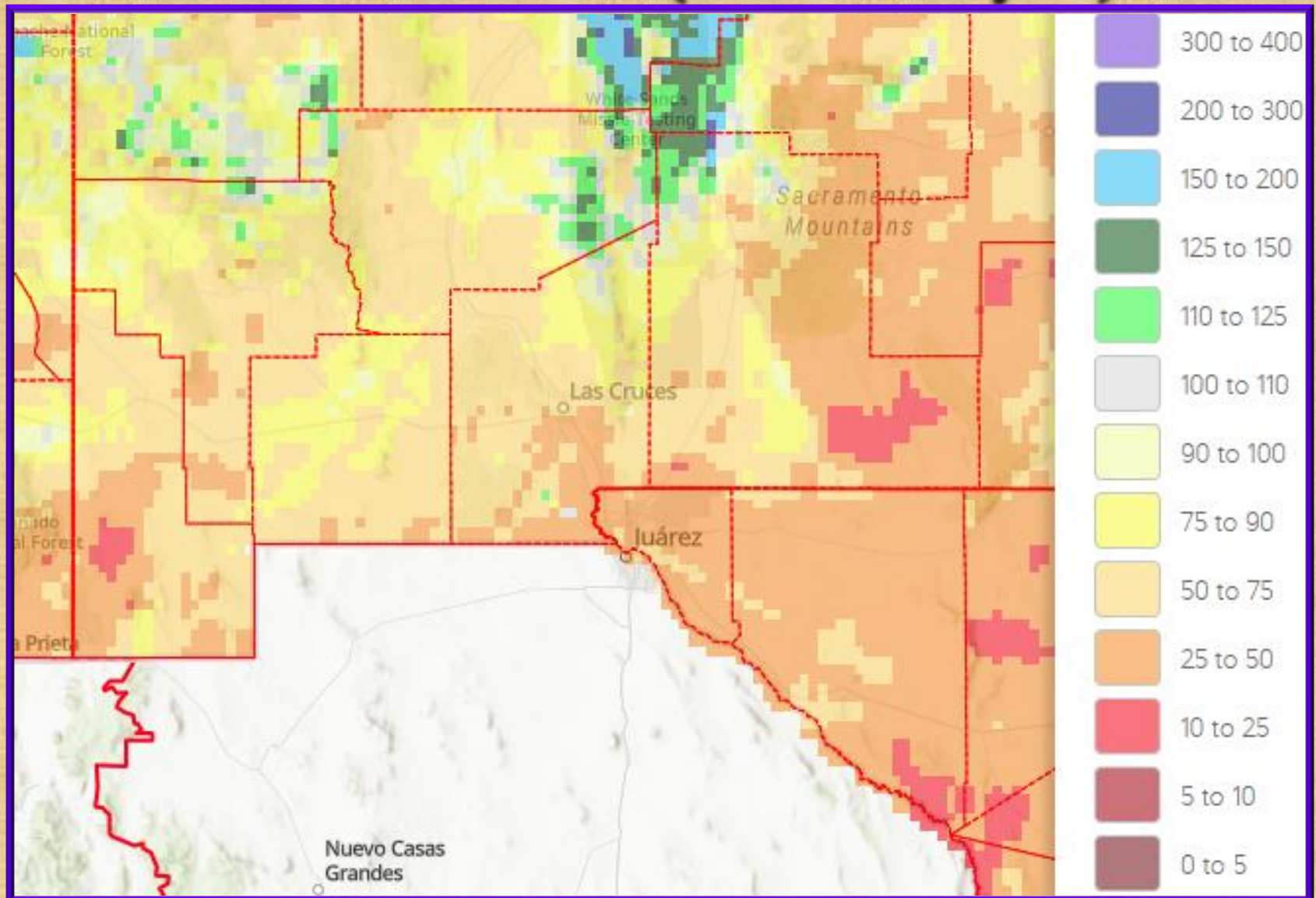
May 2024 rainfall estimate with surface rainfall reports



May 2024 rainfall estimate percent of normal



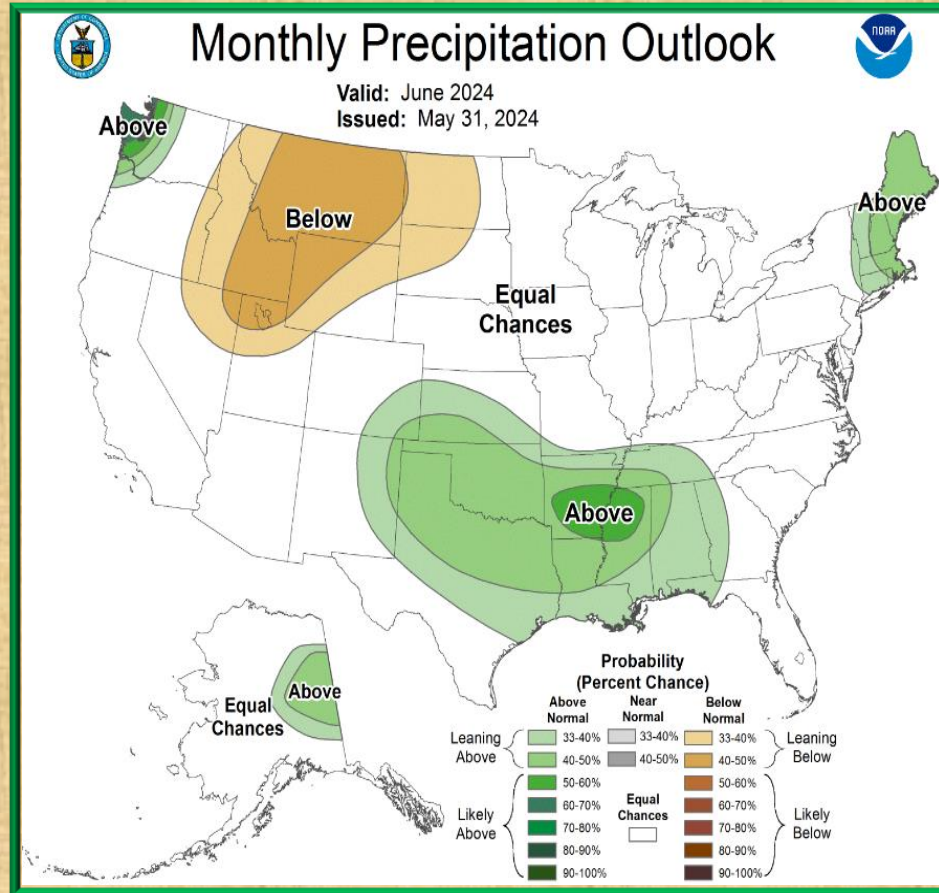
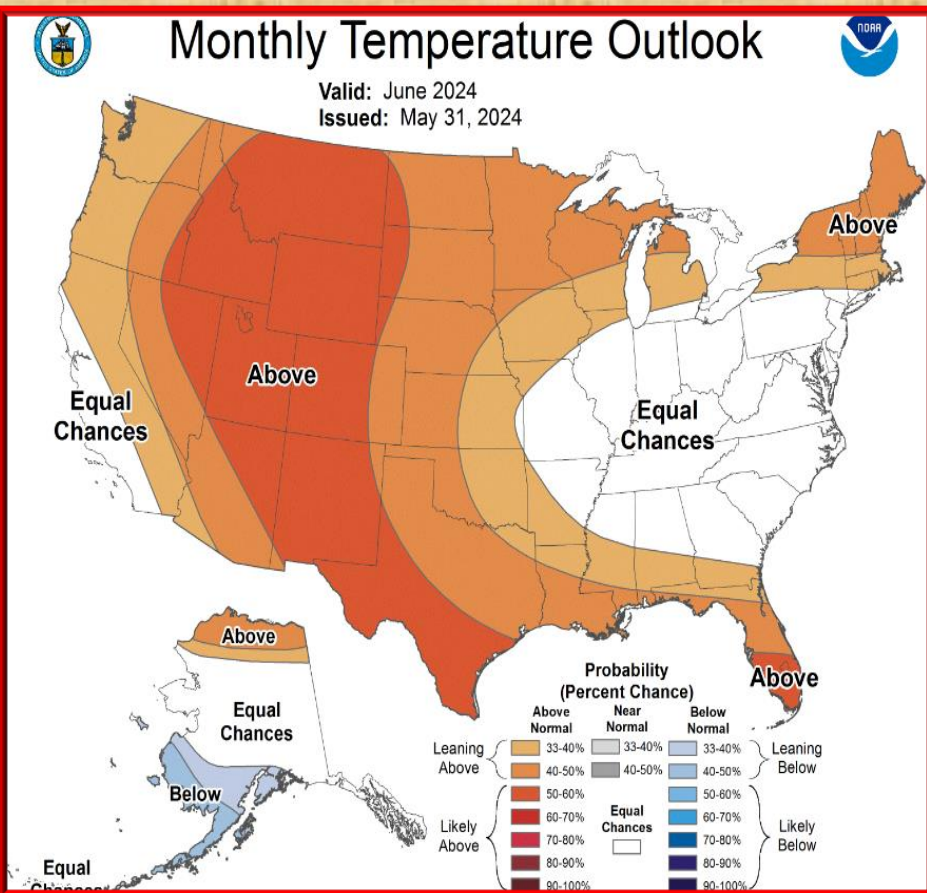
Radar rainfall estimate percent of normal for the Water Year (Oct 1 – May 31)



Temperature and precipitation outlook For Jun 2024

Temperature

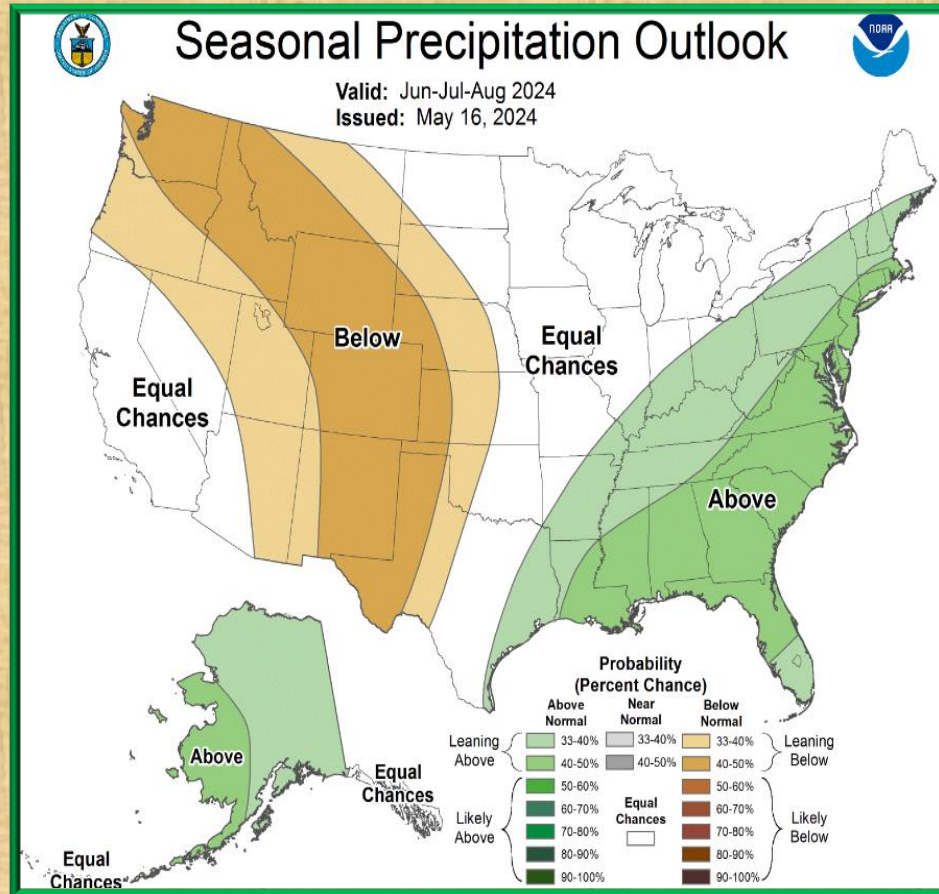
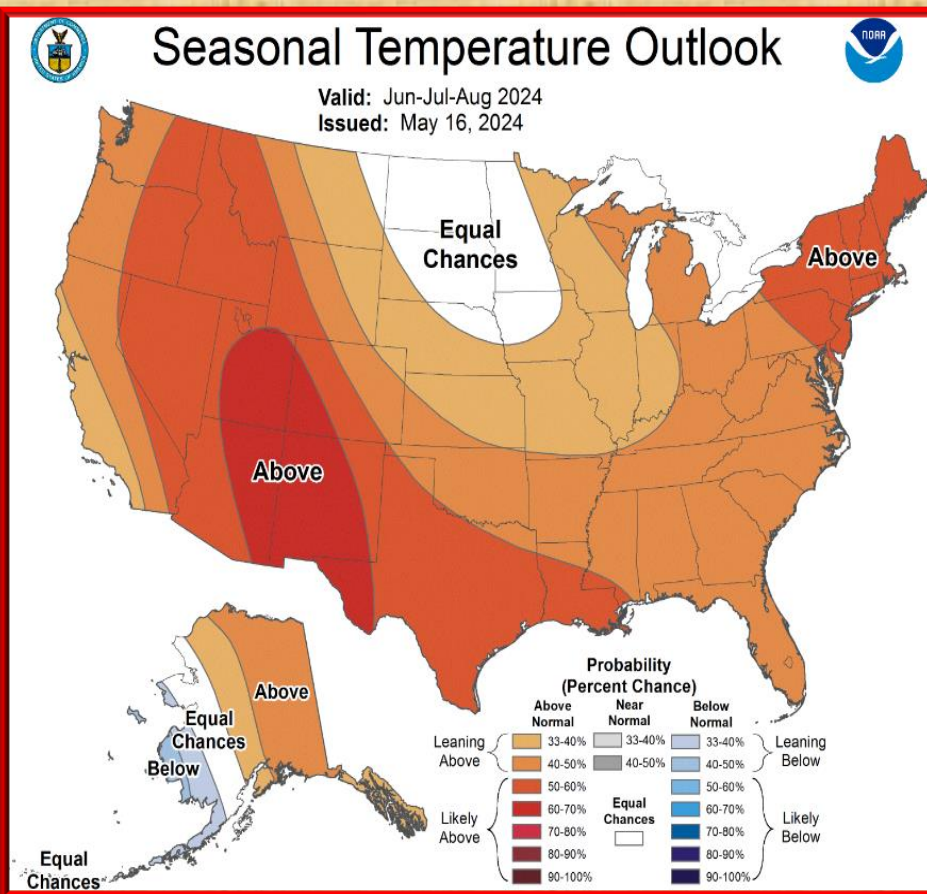
Precipitation



Temperature and precipitation outlook for Jun-Aug 2024

Temperature

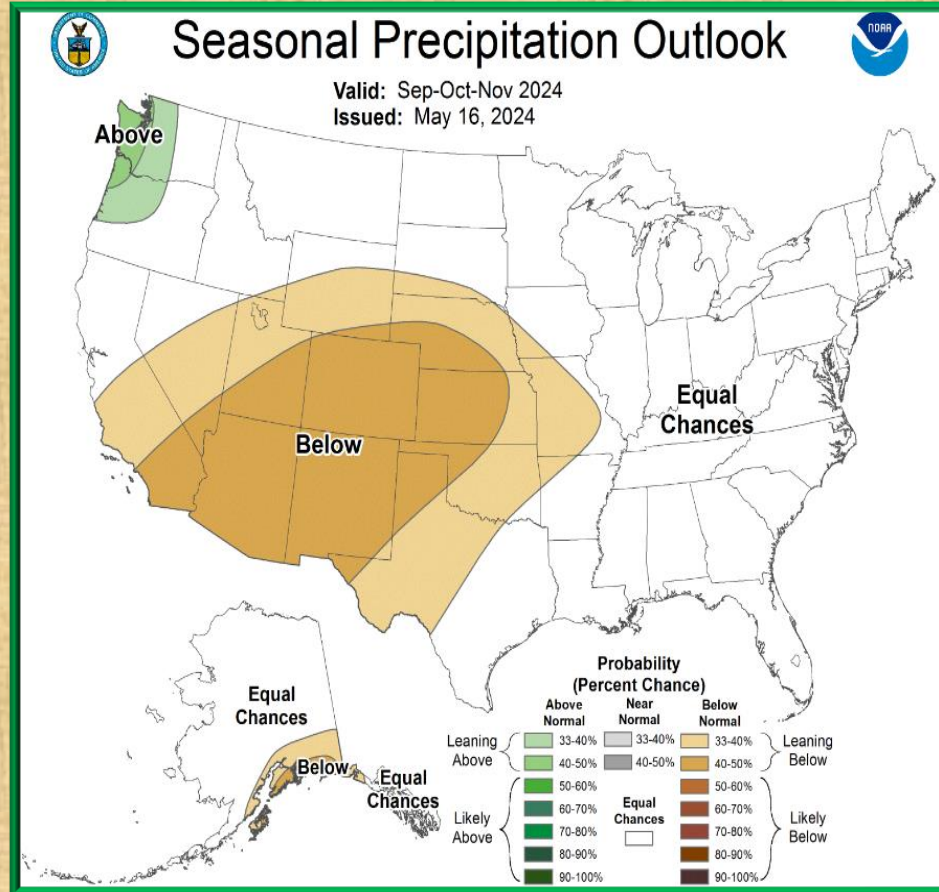
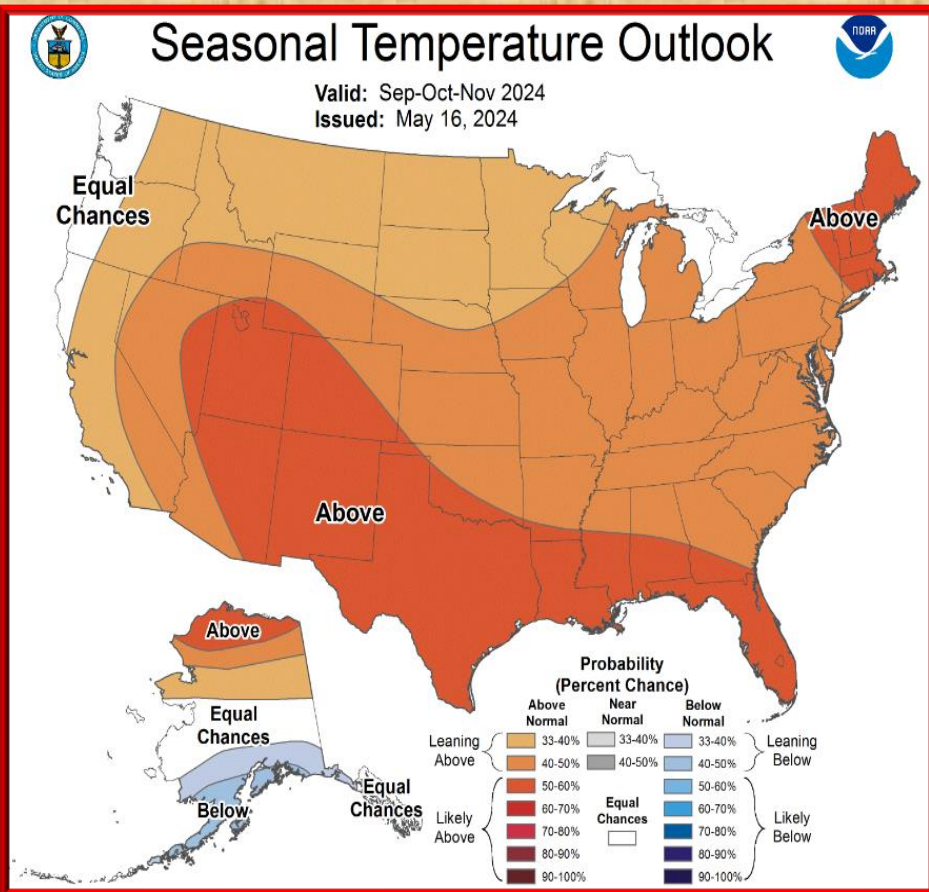
Precipitation



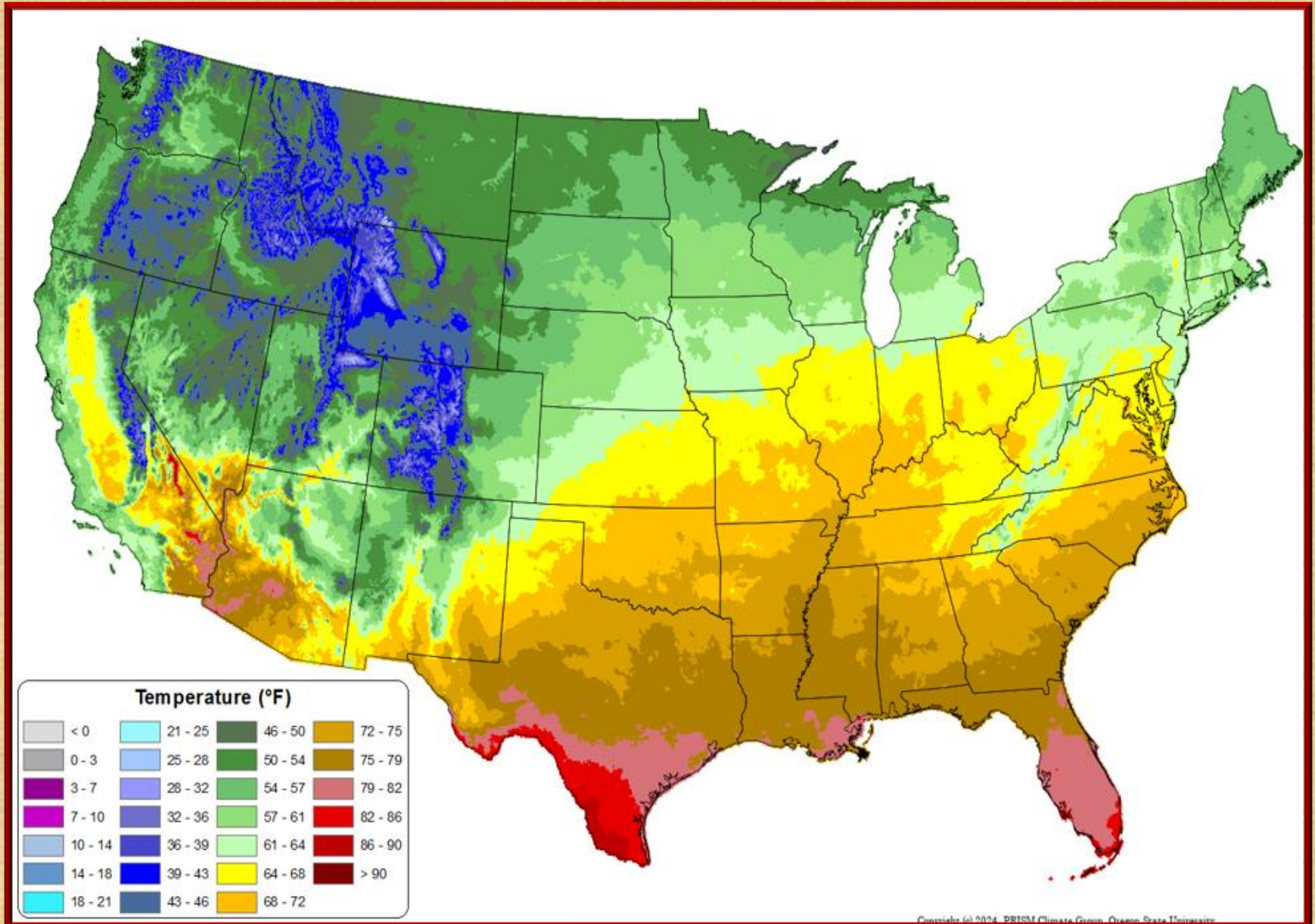
Temperature and precipitation outlook for Sep-Nov 2024

Temperature

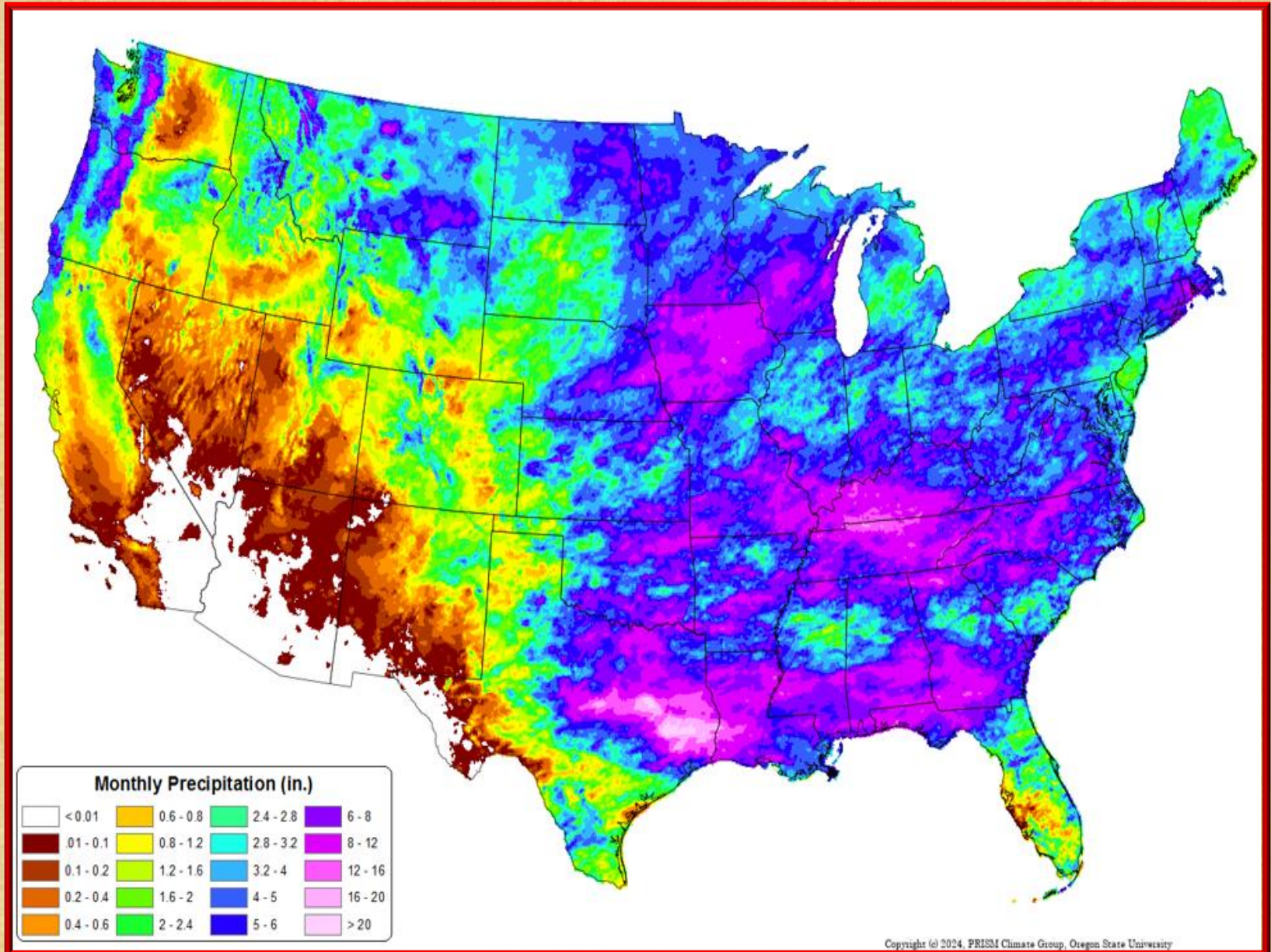
Precipitation



Average Daily Mean Temperature for May 2024



Total Precipitation for May 2024



Selected Weather Reports May 2024

Date/Time	Location (County)	Event
MAY 6 410 PM	SAN AUGUSTIN PASS-DONA ANA	70 MPH PEAK WIND GUST
MAY 6 135 PM	WSMR MAIN POST-DONA ANA	66 MPH PEAK WIND GUST
MAY 6 315 PM	LAS CRUCES AIRPORT-DONA ANA	47 MPH PEAK WIND GUST
MAY 6 217 PM	DEMING AIRPORT-LUNA	47 MPH PEAK WIND GUST
MAY 6 441 PM	MESCALERO-OTERO	46 MPH PEAK WIND GUST
MAY 6 453 PM	EL PASO INTL AIRPORT-EL PAOS	46 MPH PEAK WIND GUST
MAY 7 425 PM	SAN AUGUSTIN PASS-DONA ANA	75 MPH PEAK WIND GUST
MAY 7 810 PM	WSMR MAIN POST-DONA ANA	54 MPH PEAK WIND GUST
MAY 7 741 PM	MESCALERO-OTERO	49 MPH PEAK WIND GUST
MAY 7 649 PM	HIGH ROLLS-OTERO	47 MPH PEAK WIND GUST
MAY 7 403 PM	EL PASO INTL AIRPORT-EL PASO	46 MPH PEAK WIND GUST
MAY 7 457 PM	DELL CITY-HUDSPETH	42 MPH PEAK WIND GUST

Selected Weather Reports May 2024

Date/Time	Location (County)	Event
MAY 8 350 PM	SAN AUGUSTIN PASS-DONA ANA	64 MPH PEAK WIND GUST
MAY 8 215 PM	WSMR MAIN POST-DONA ANA	51 MPH PEAK WIND GUST
MAY 8 611 PM	EL PASO INTL AIRPORT-EL PASO	41 MPH PEAK WIND GUST
MAY 25 520 PM	SAN AUGUSTIN PASS-DONA ANA	73 MPH PEAK WIND GUST
MAY 25 1220 PM	WSMR MAIN POST-DONA ANA	57 MPH PEAK WIND GUST
MAY 25 835 PM	EL PASO INTL AIRPORT-EL PASO	52 MPH PEAK WIND GUST
MAY 25 215 PM	SILVER CITY MTN VIEW-GRANT	51 MPH PEAK WIND GUST
MAY 25 140 PM	LORDSBURG PLAYA MP11-HIDALGO	51 MPH PEAK WIND GUST
MAY 25 324 PM	DEMING AIRPORT-LUNA	49 MPH PEAK WIND GUST
MAY 25 407 PM	T OR C AIRPORT-SIERRA	49 MPH PEAK WIND GUST
MAY 25 512 PM	DELL CITY-HUDSPETH	48 MPH PEAK WIND GUST
MAY 25 145 PM	LORDSBURG PLAYA MP12-HIDALGO	48 MPH PEAK WIND GUST

Selected Weather Reports May 2024

Date/Time	Location (County)	Event
MAY 25 429 PM	HIGH ROLLS-OTERO	48 MPH PEAK WIND GUST
MAY 25 310 PM	SPACEPORT AMERICA-SIERRA	47 MPH PEAK WIND GUST
MAY 25 340 PM	HOLLOMAN AFB-OTERO	46 MPH PEAK WIND GUST
MAY 25 534 PM	SANTA TERESA NWS-DONA ANA	45 MPH PEAK WIND GUST
MAY 25 455 PM	GRANT CO AIRPORT-GRANT	43 MPH PEAK WIND GUST

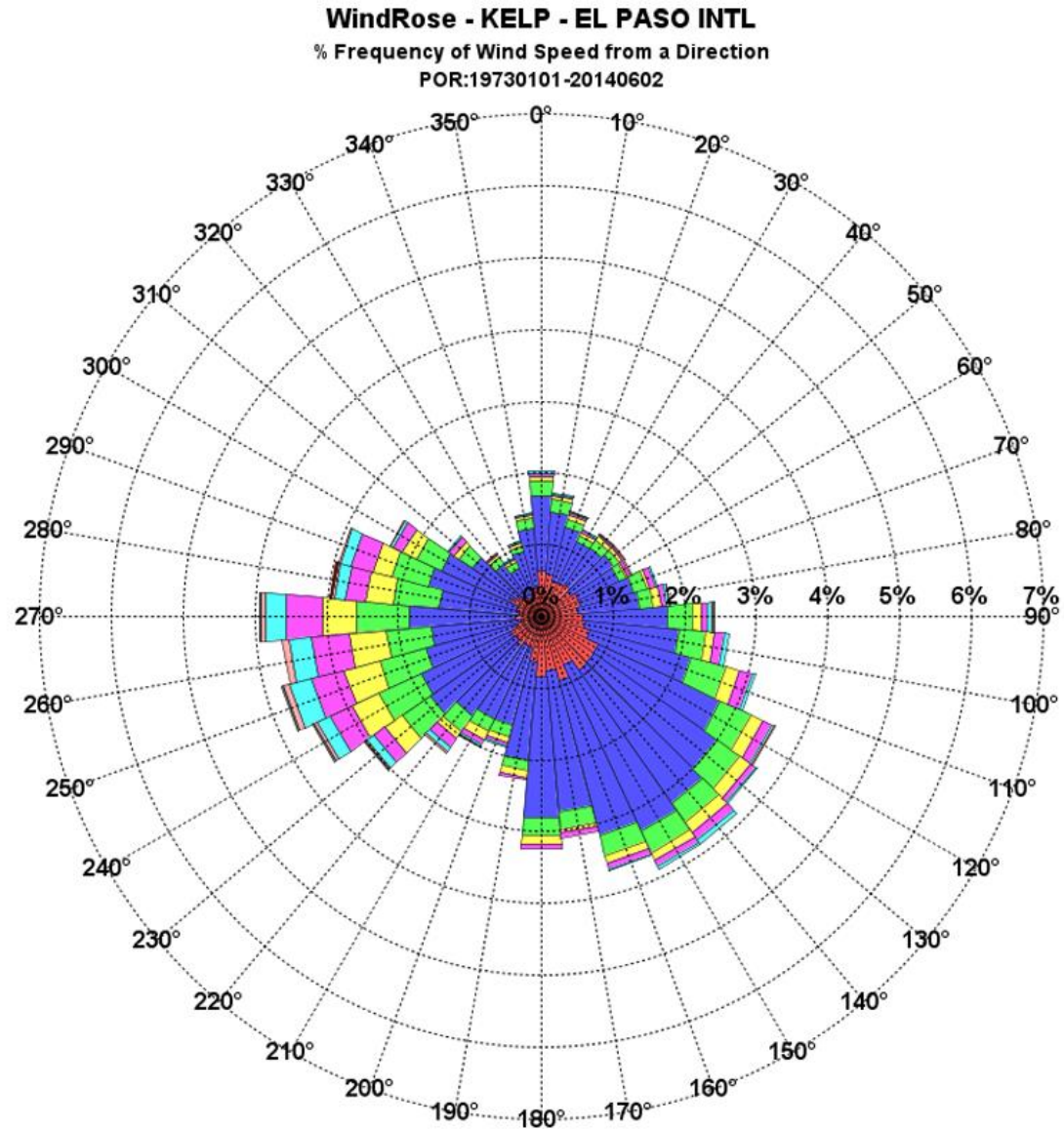
Special Features

www.weather.gov/epz/elpwindrosedata

Month: JUNE

Calm: 8.00%

Variable: 3.55%



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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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
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	

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.gov/epz