

# June 2024 Weather Digest



# June 2024 Weather Summary

Wildfires were the big story this June as the beginning of the month continued a long stretch of dry conditions. Several wildfires started over the Sacramento Mountains, though the Gila/Black Range was mostly spared due to high elevation winter/spring snow pack. Wildfires, including the Blue 2, South Fork, and Salt all developed close to the Ruidoso area. Though the fires were not large by New Mexico standards, unfortunately they started very close to Ruidoso and rapidly spread through parts of Ruidoso and surrounding villages. Numerous structures were lost along with two confirmed fatalities. The summer monsoon then developed around the 22-25<sup>th</sup> of the month. This did bring much needed rain to the mountains. Unfortunately several heavy downpours fell on the burn scars, resulting in several floods around Ruidoso. The month turned out to be quite hot, as high temperatures were about two to four degrees above normal.

As mentioned above, the monsoon season started around June 22<sup>nd</sup>, which is about 10 days sooner than normal. Thunderstorms ramped up and several areas received heavy rains, however the area as a whole was still



# June 2024 Weather Summary

quite spotty with rain as much of the lowlands around the Rio Grande Valley saw below normal rain. Much of the area west of the Continental Divide and east of El Paso received above normal rain. The thunderstorms also produced numerous reports of strong winds and related damage to structures. On June 19<sup>th</sup> storms to our east created a large area of outflow winds, resulting in one of the larger Haboobs (blowing dust event) in recent memory-basically forming along the San Andres and Franklin Mountains and moving all the way to Arizona.

Looking ahead to July, the monsoon switches into full gear, though rainfall can often still be spotty. Temperatures start a very slow decrease, though the increase in humidity nullifies any cooling sensation. At El Paso the average high on the 1<sup>st</sup> is 97°, while on the 31<sup>st</sup> it diminishes to 95°. Daylight on the 1<sup>st</sup> is 14 hours, 11 minutes, while on the last of the month it is 13 hours, 41 minutes. The July full moon occurs on 21<sup>st</sup>, while the new moon occurs on the 5<sup>th</sup>.

**June 1 Storm near Mayhill**



**June 17 Fire near Carrizo**



**June 17 South Fork Fire**



**June 17 South Fork Fire**





**June 17 South Fork Fire at Alto**



**June 17 South Fork Fire**



**June 17 South Fork Fire**



**June 17 South Fork Fire**





**June 19 Haboob near Hillsboro**



**June 18 Blowing Dust  
Lordsburg Playa**



**June 25 Lightning near Las Cruces**



**June 30 Lightning near Ft Bayard**





**June 30 Flooding at Ruidoso**



**June 30 Flooding at Ruidoso**



**June 30 Damage at Chaparral**

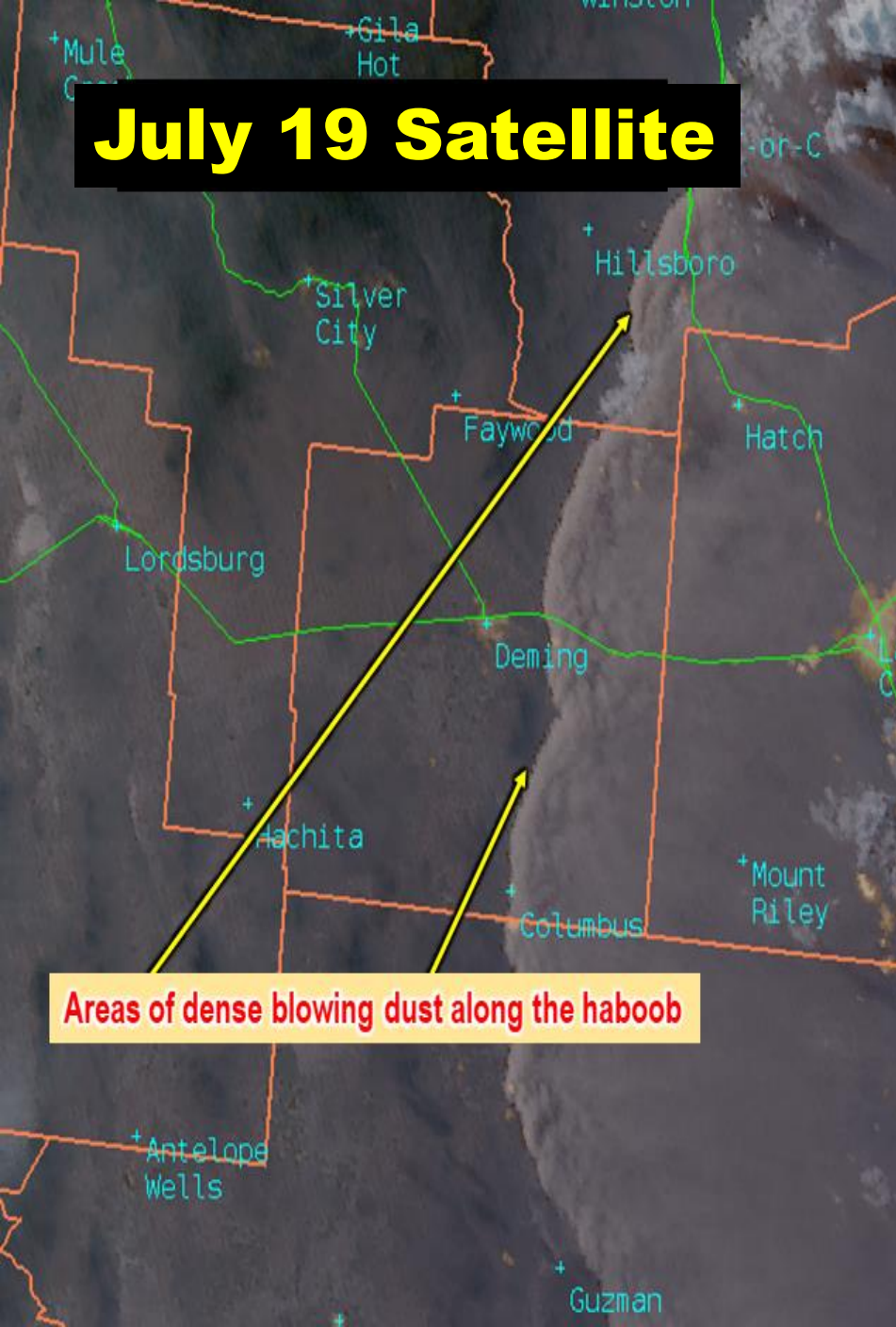


**June 30 Flooding near Ruidoso**





# July 19 Satellite



Areas of dense blowing dust along the haboob





# **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.

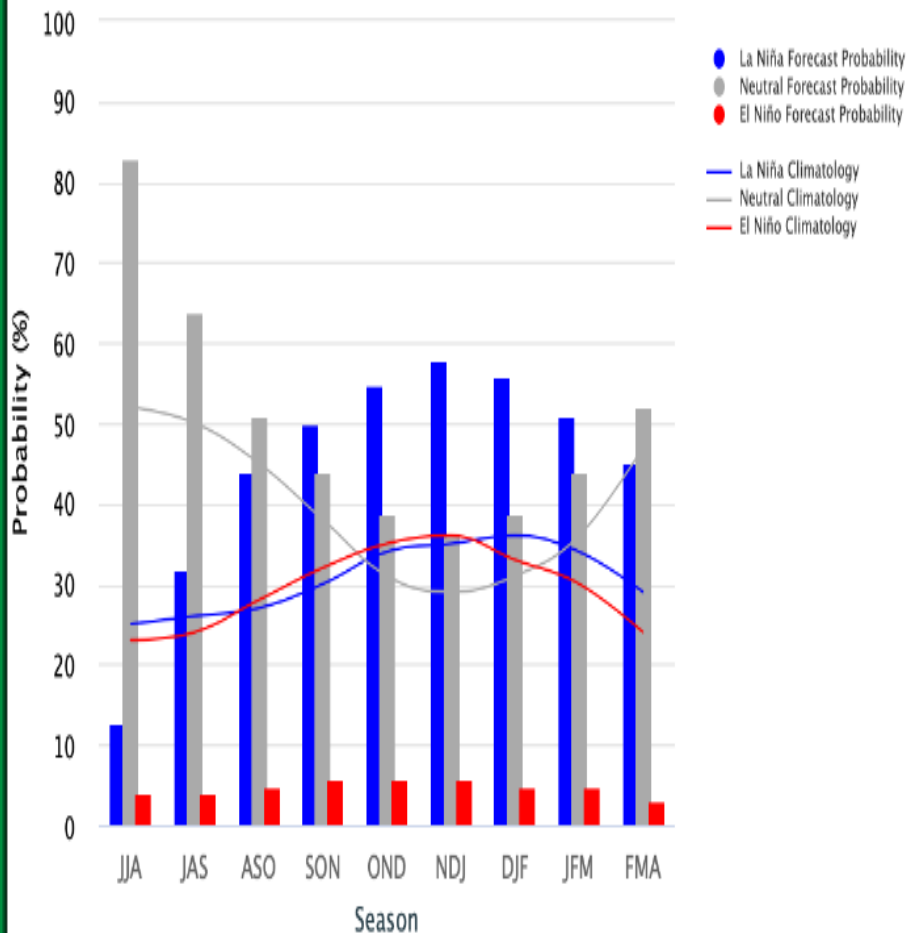


# ENSO Forecast

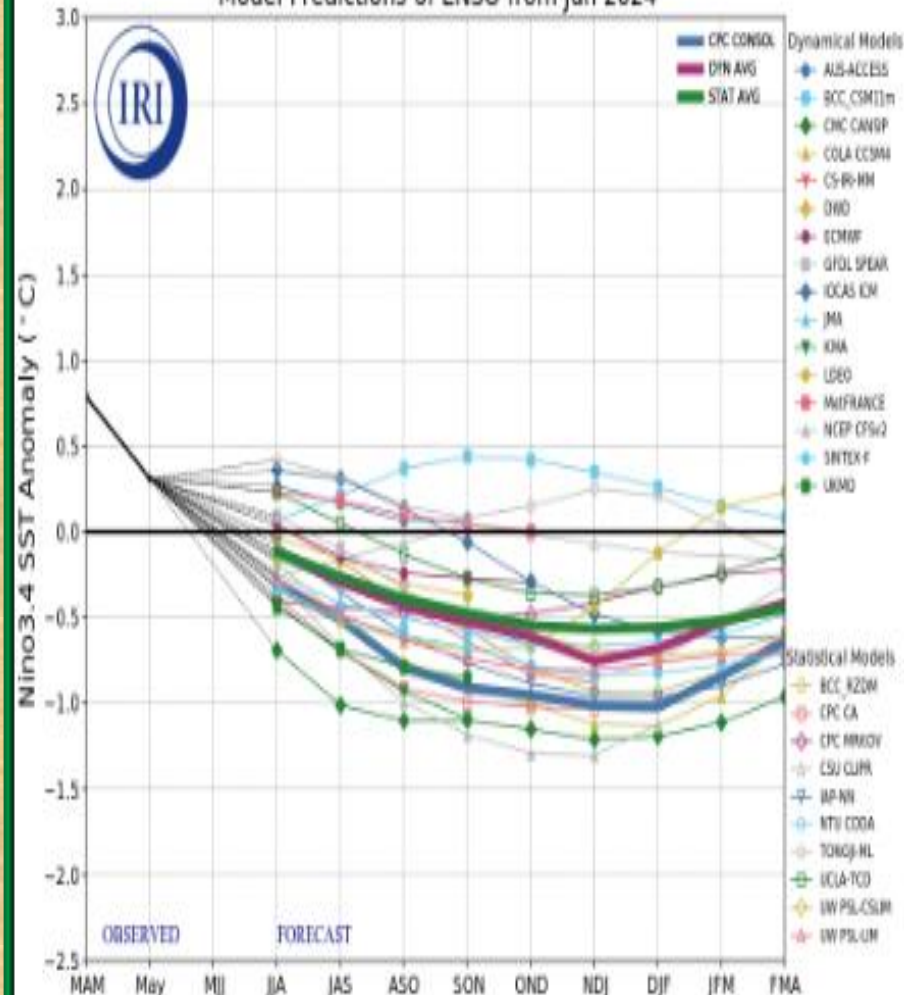
**ENSO is in Neutral phase and is expected to transition to La Niña by early Fall.**

Mid-June 2024 IRI Model-Based Probabilistic ENSO Forecasts

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

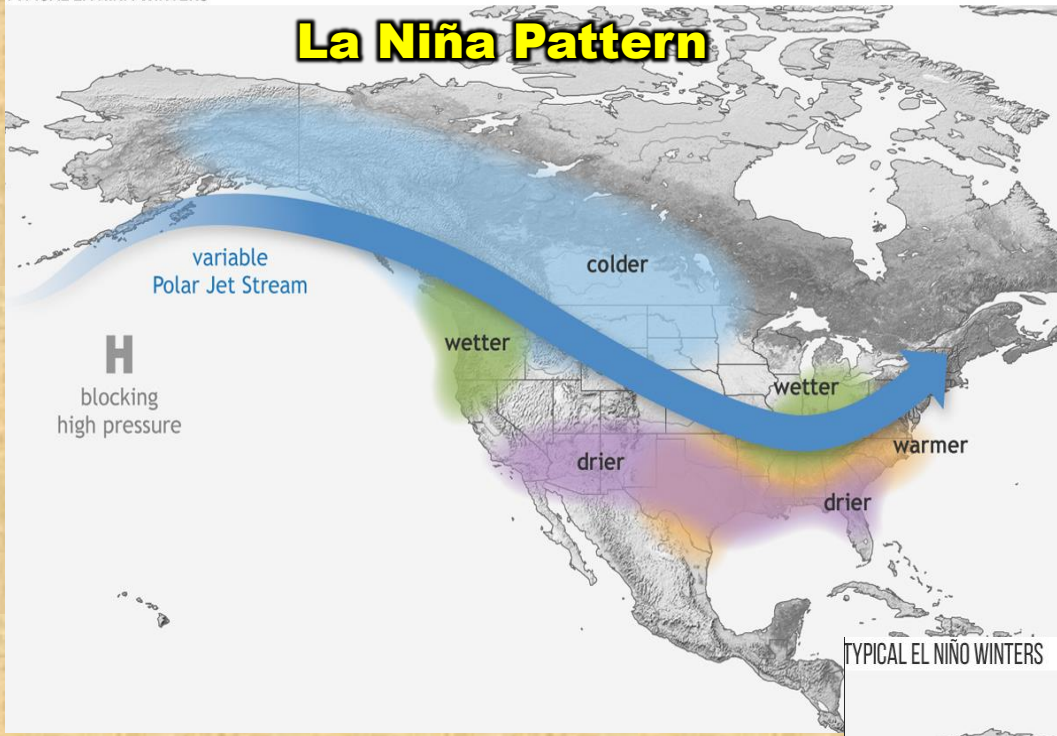


Model Predictions of ENSO from Jun 2024



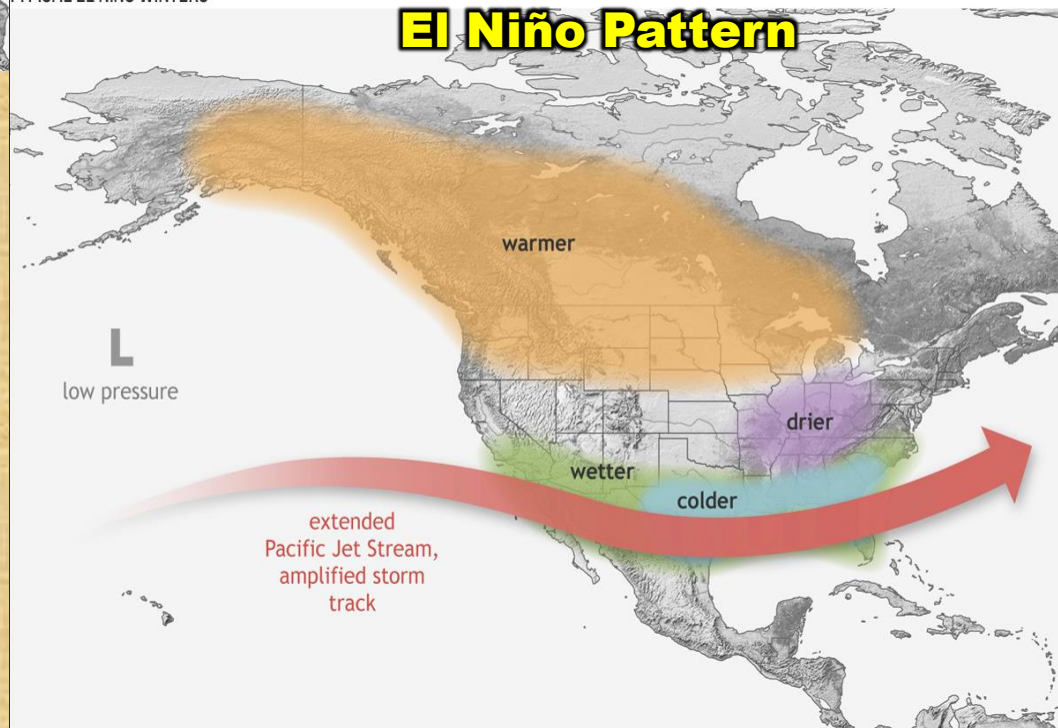


# La Niña Pattern



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



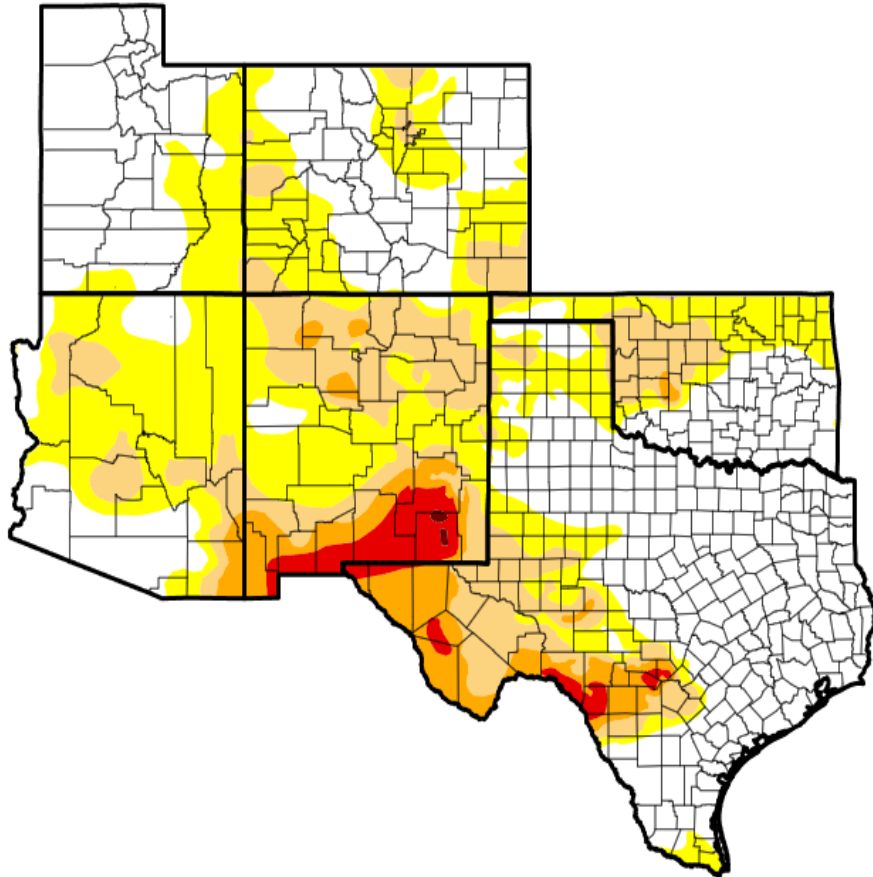
With El Niño, we often see the opposite pattern where the eastern Pacific ridge of high pressure is often weak or non-existent, allowing winter storms to sweep across the southern U.S. This typically will give the southwestern U.S. above normal precipitation.



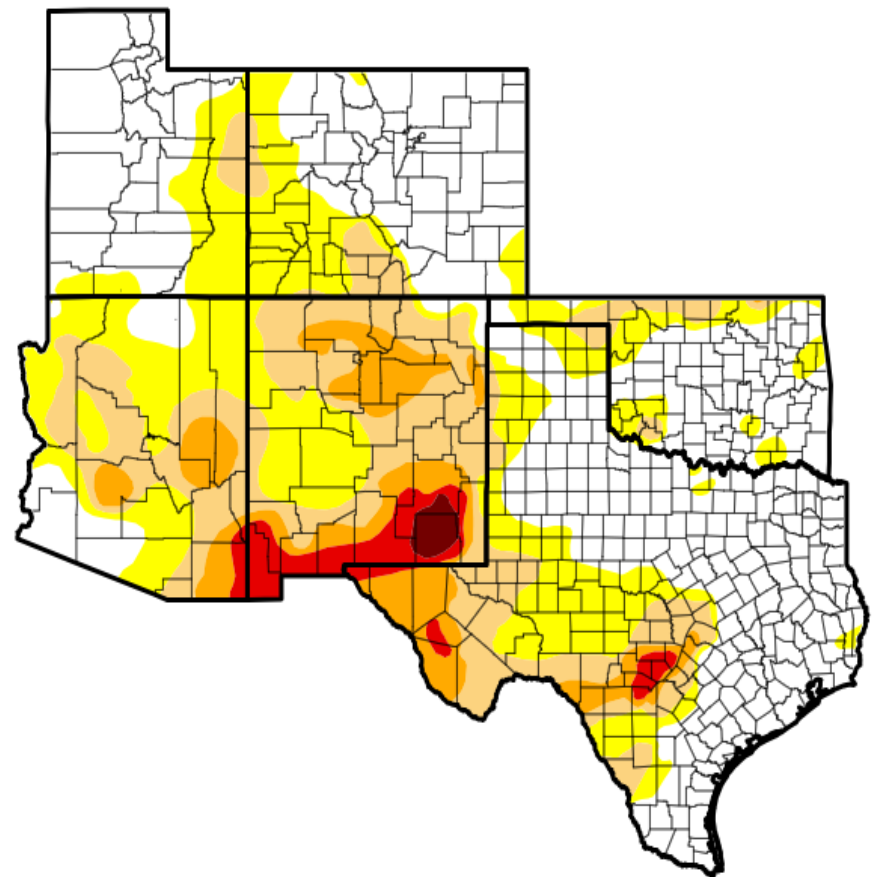
# Current drought conditions and 3 month change

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

**Jun 25, 2024**

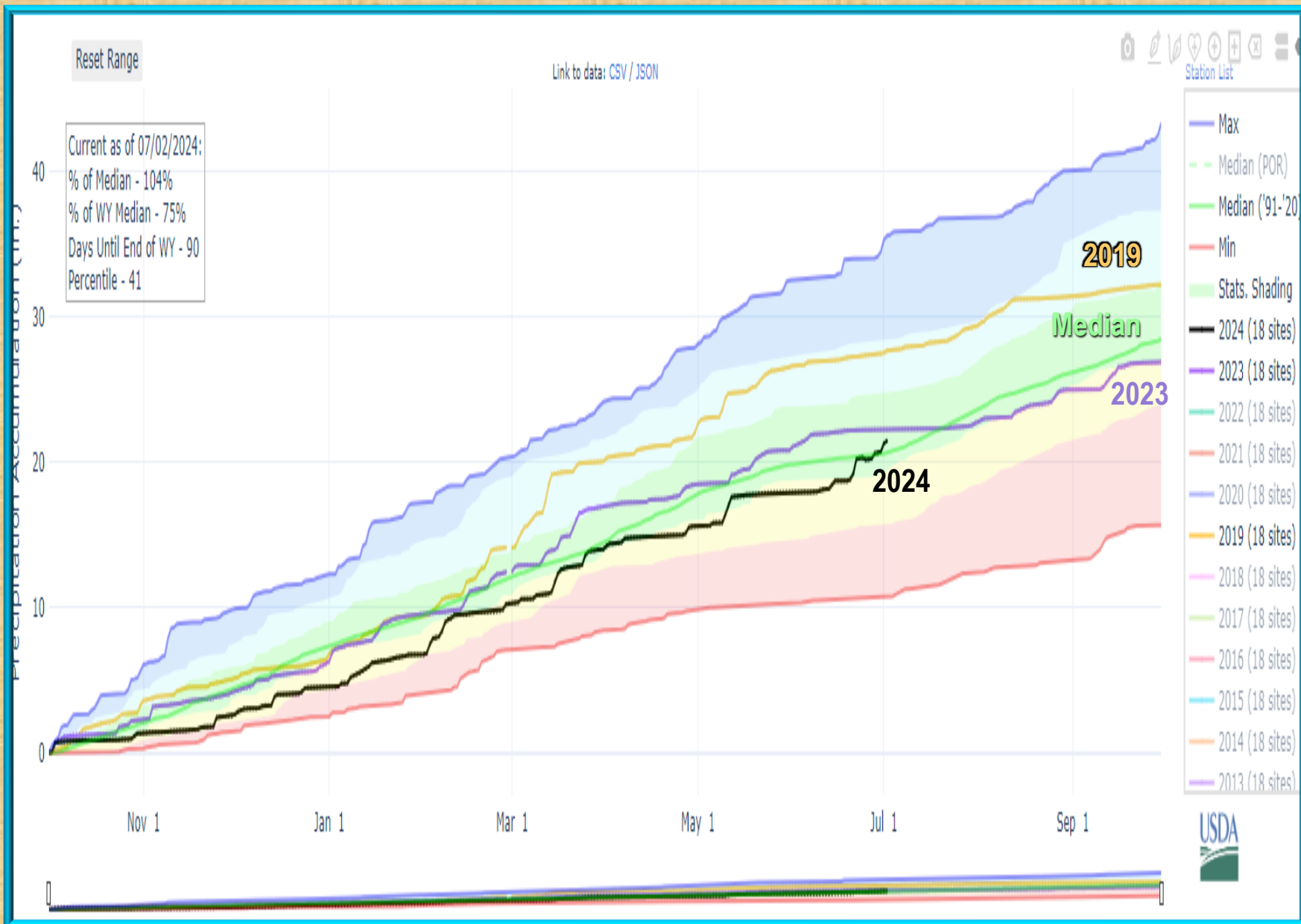


**Mar 26, 2024**



# Precipitation for the Water Year Oct 1 – June 30, 2024

## Compare to last few years and average values



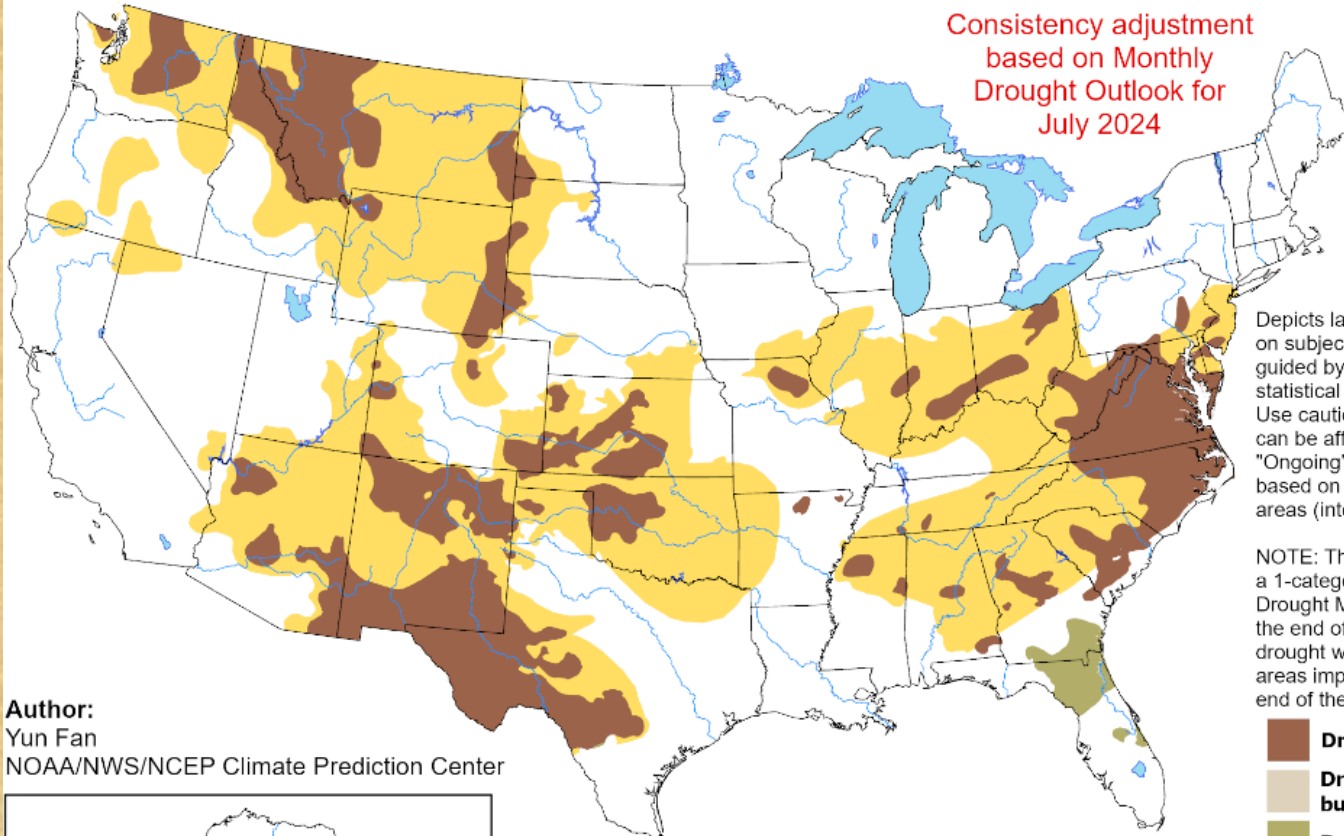


# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period






Valid for July 1 - September 30, 2024  
Released June 30, 2024

Consistency adjustment  
based on Monthly  
Drought Outlook for  
July 2024

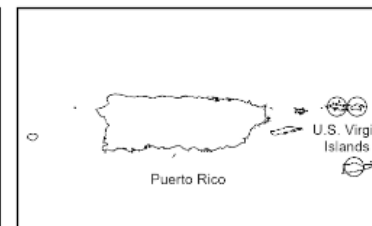
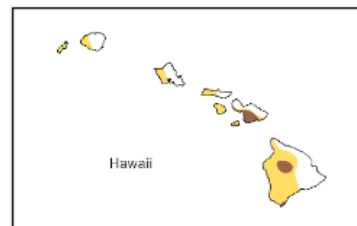


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

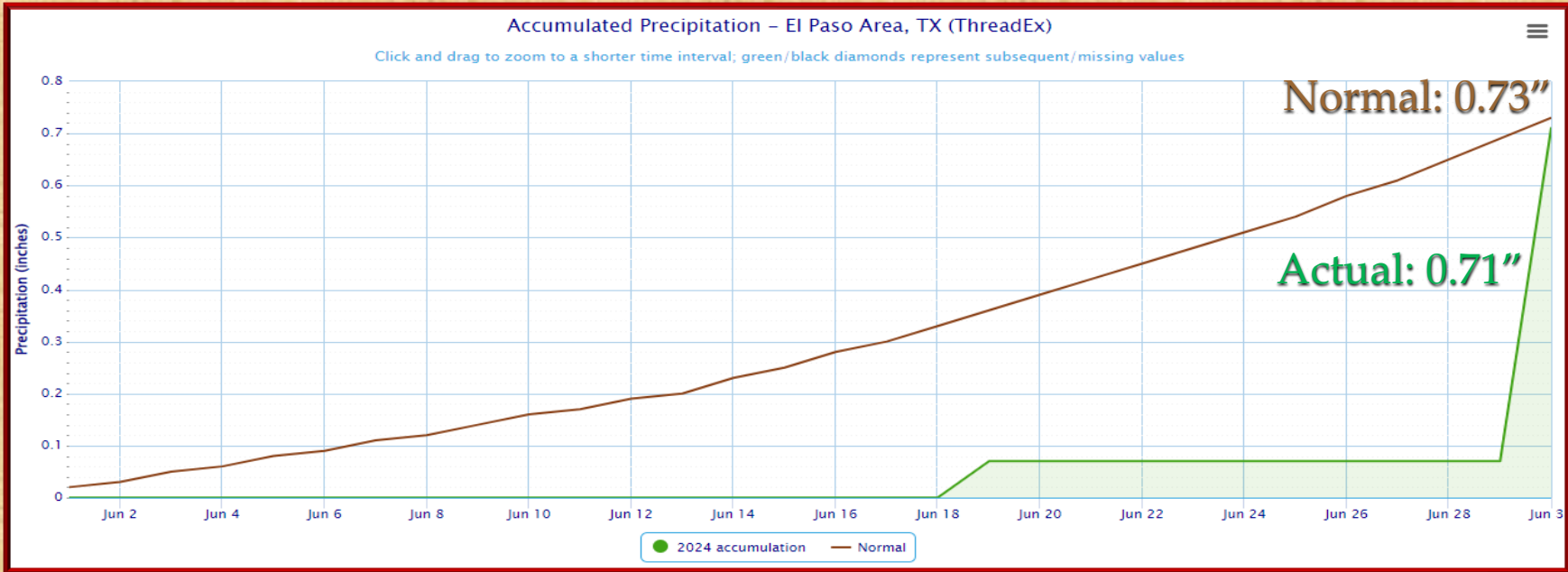
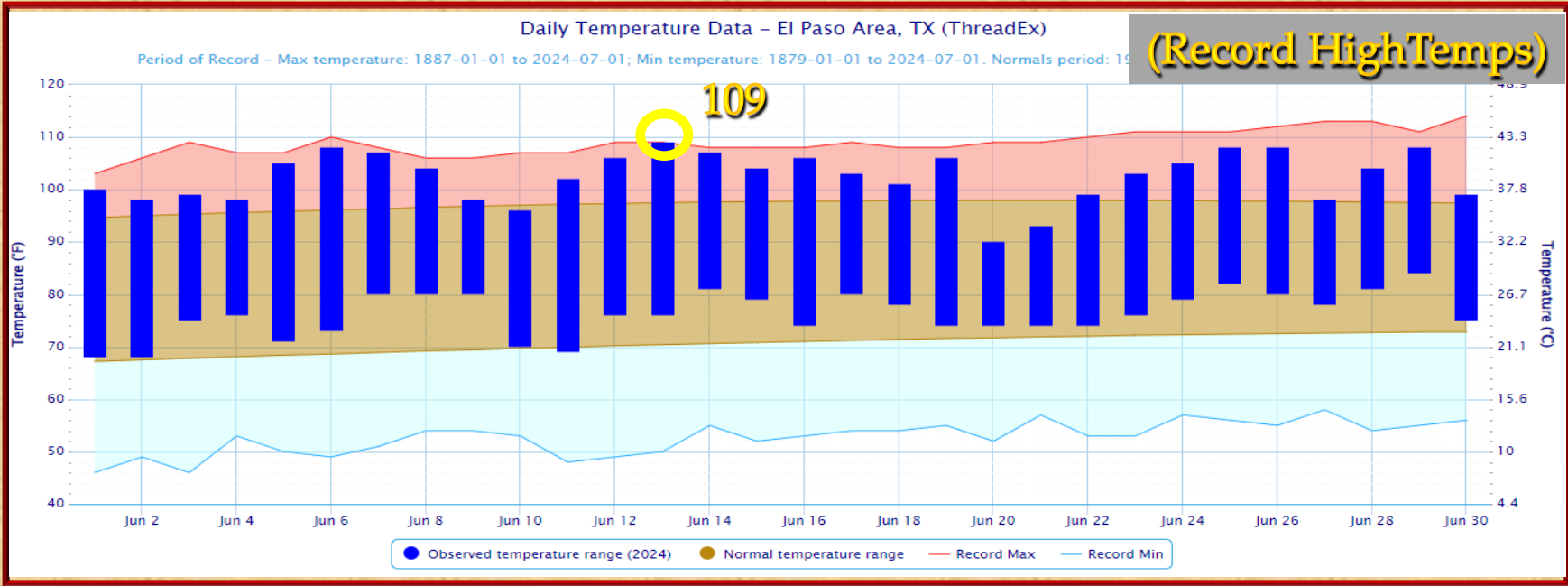
Author:  
Yun Fan  
NOAA/NWS/NCEP Climate Prediction Center



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

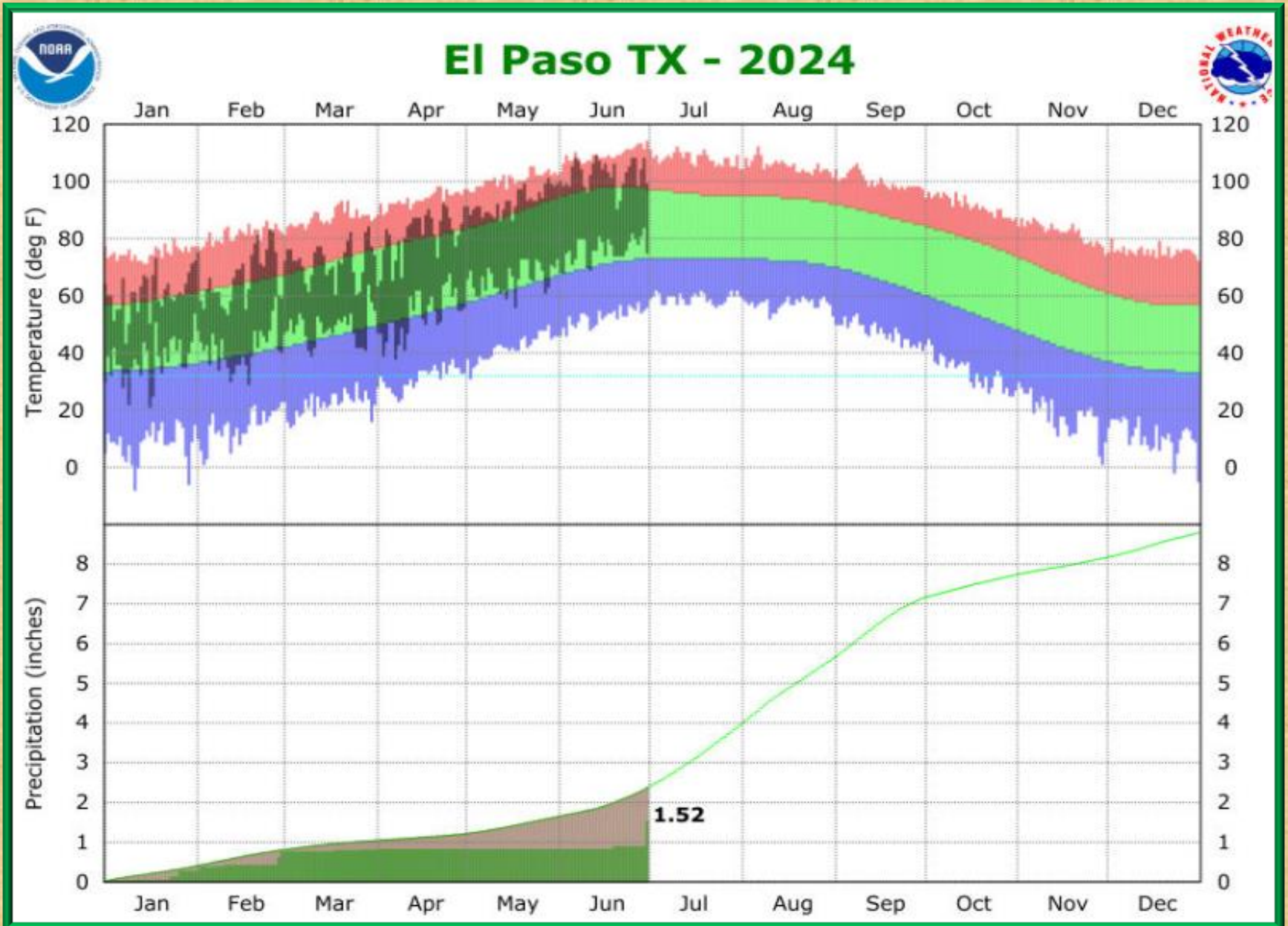
# Temperature and precipitation data for June 2024 in El Paso

○ = record

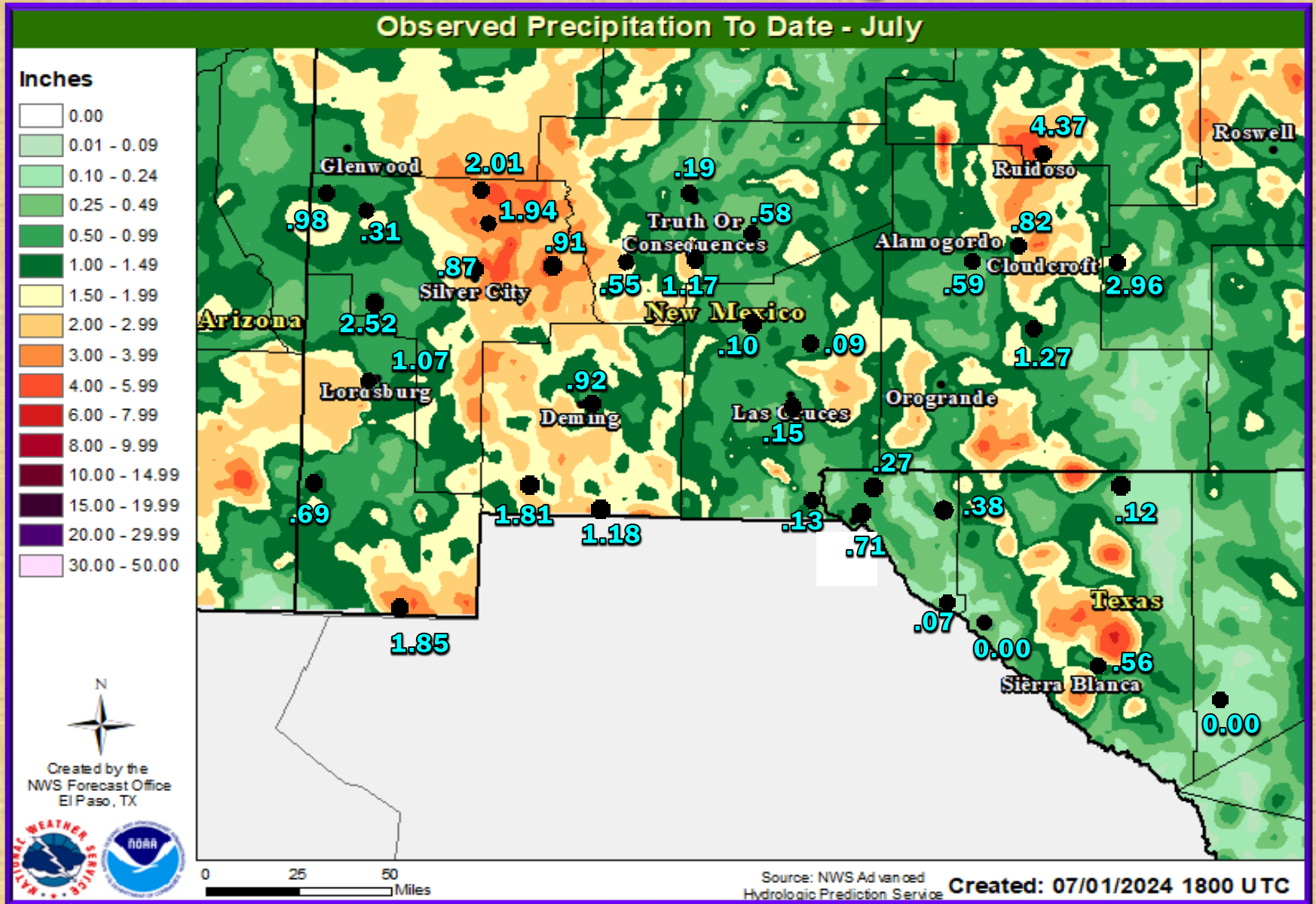




# Temperature and Precipitation Year-to-date for 2024 for El Paso

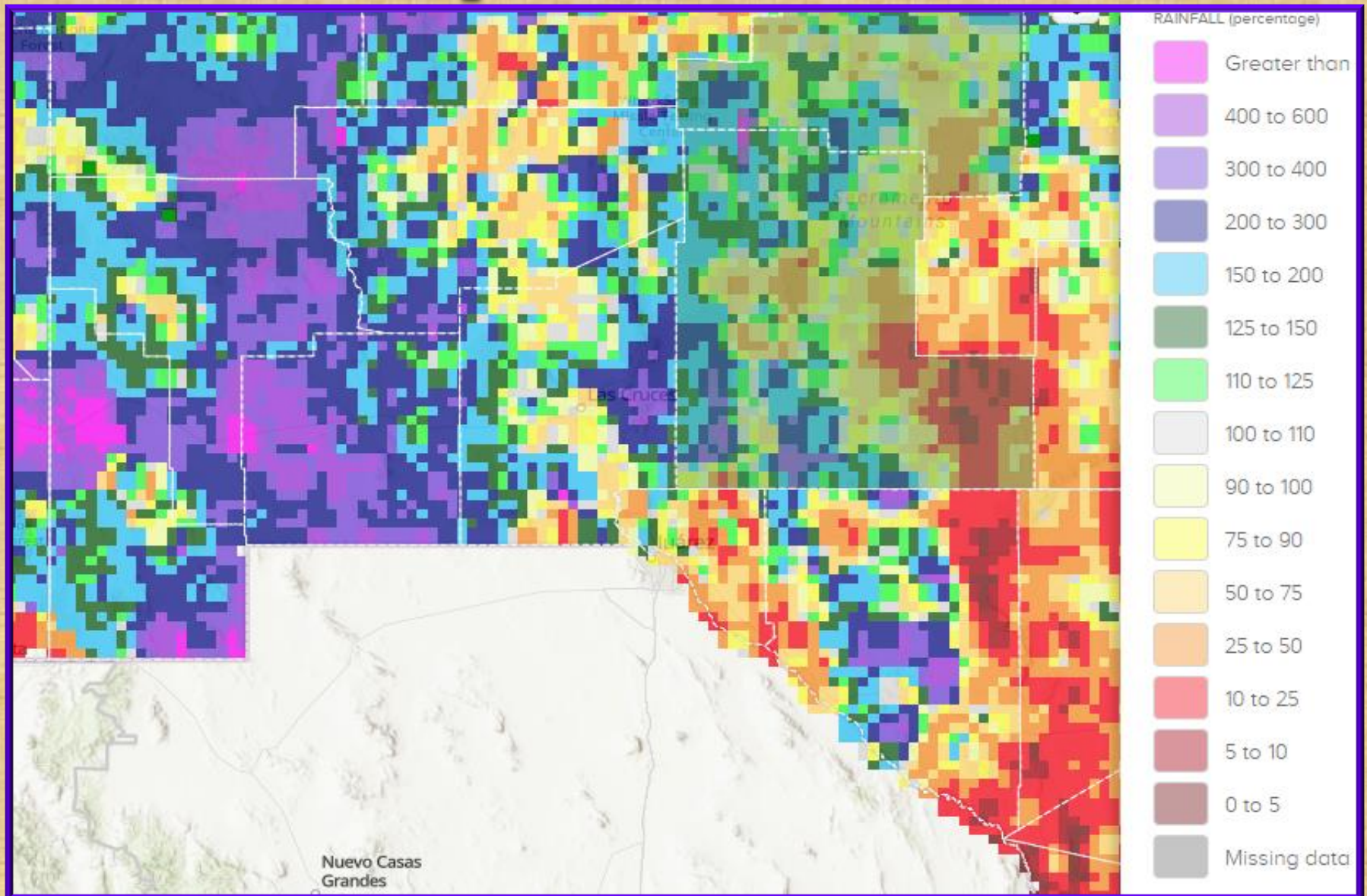


# June 2024 rainfall estimate with surface rainfall reports



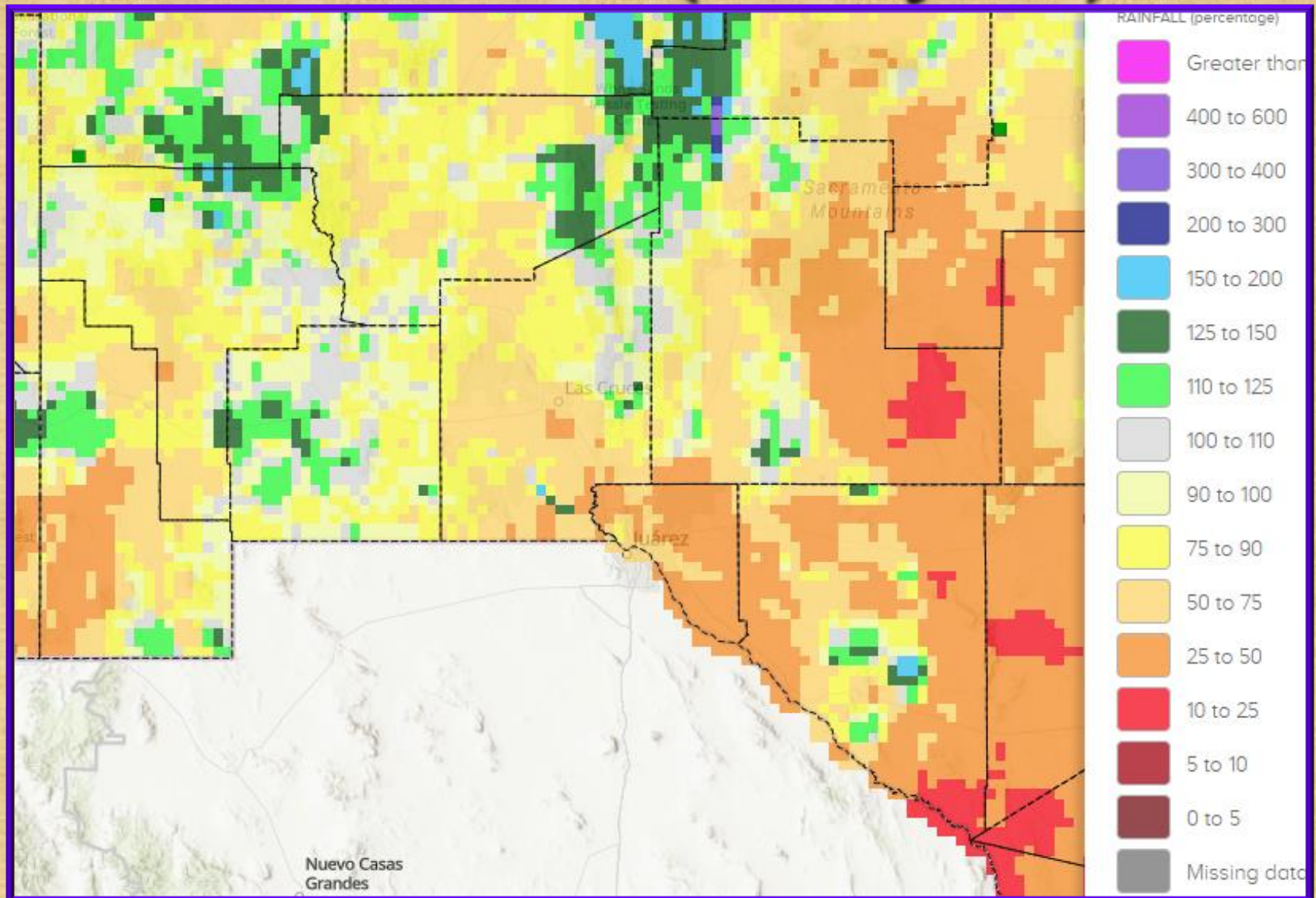


# June 2024 rainfall estimate percent of normal





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

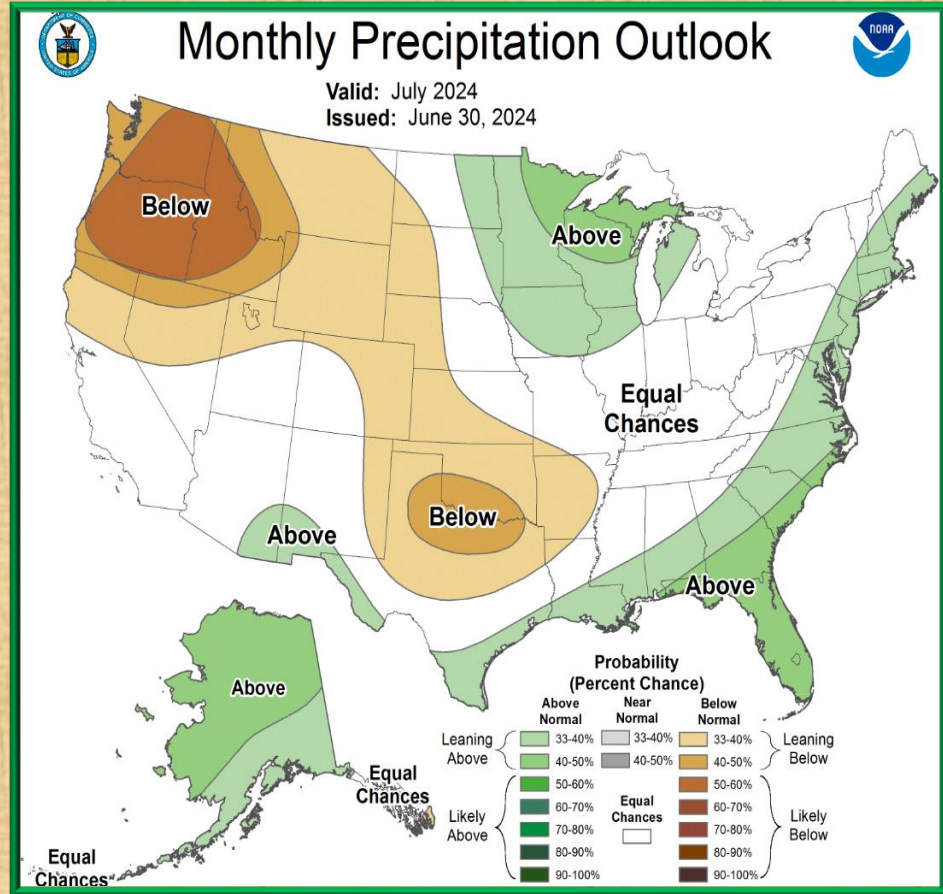
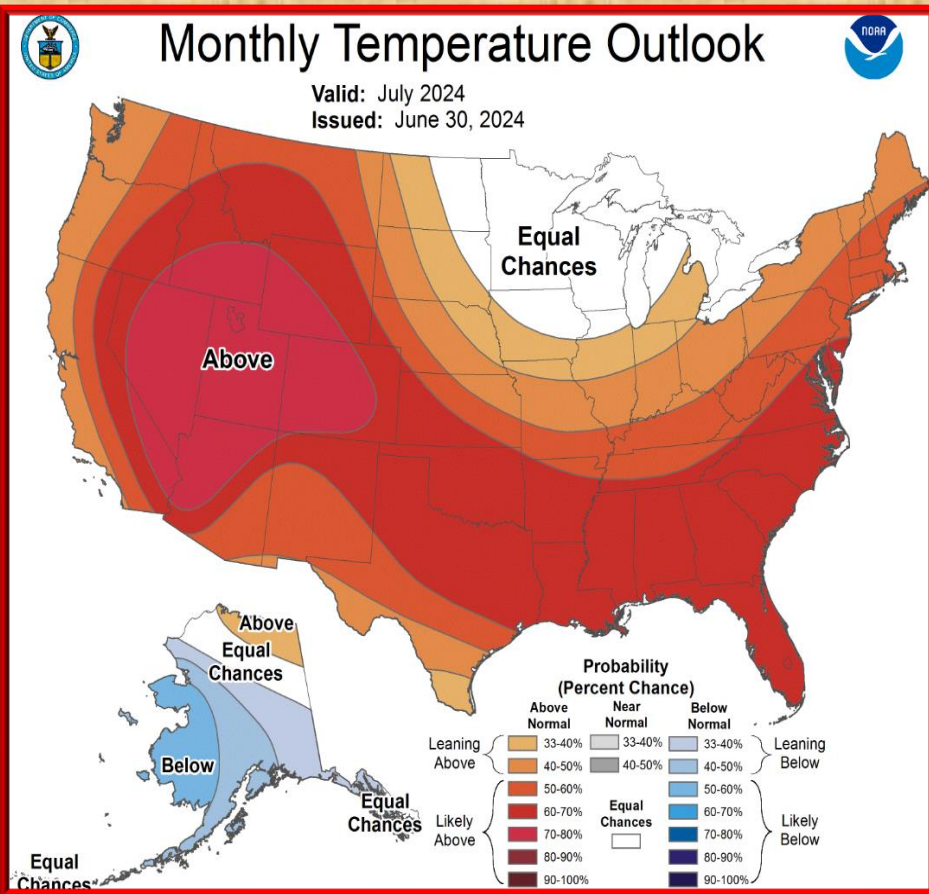




# Temperature and precipitation outlook For Jul 2024

## Temperature

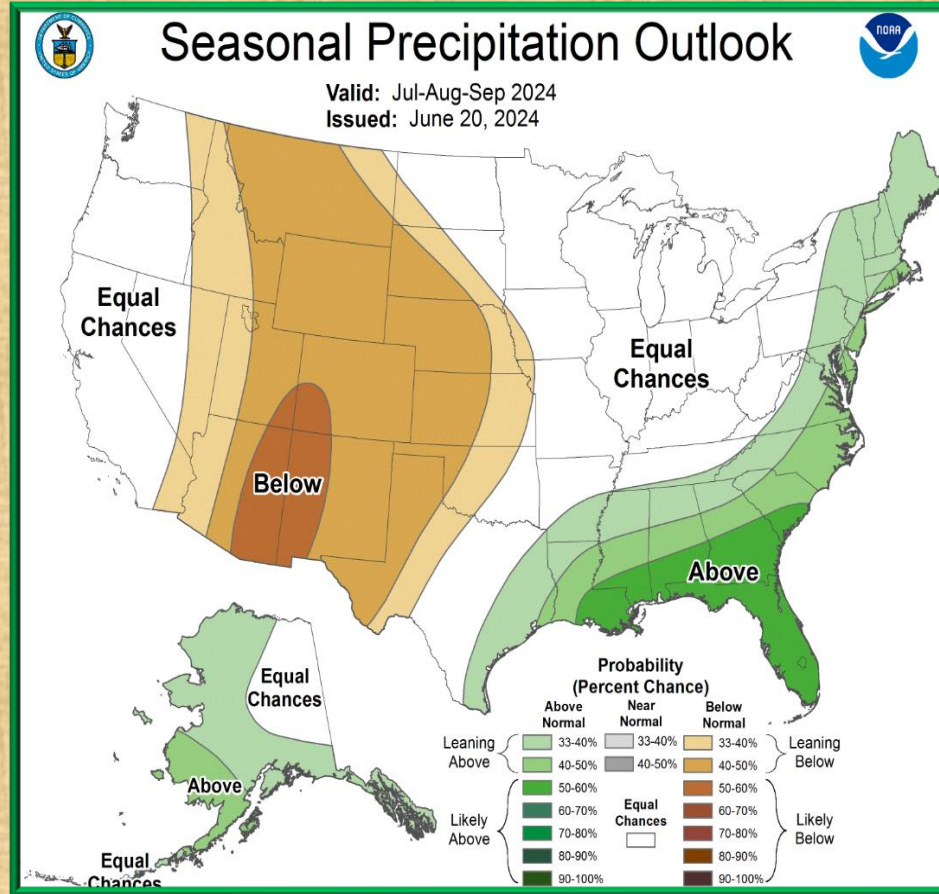
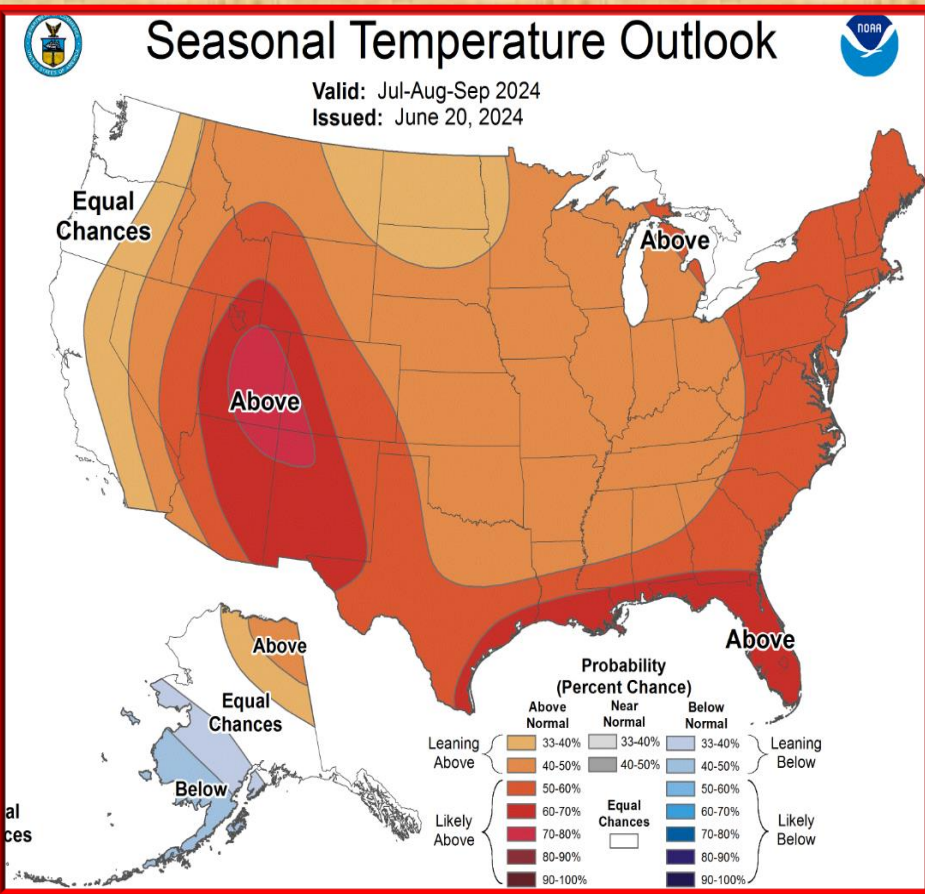
## Precipitation



# Temperature and precipitation outlook for Jul-Sep 2024

## Temperature

## Precipitation

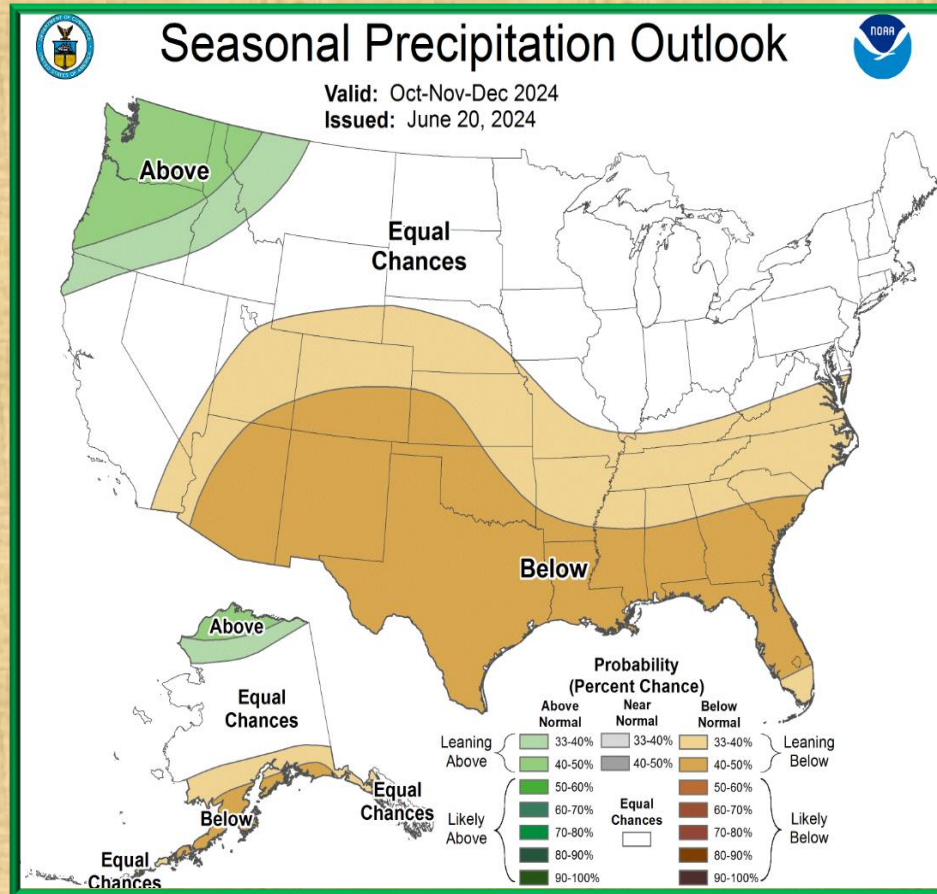
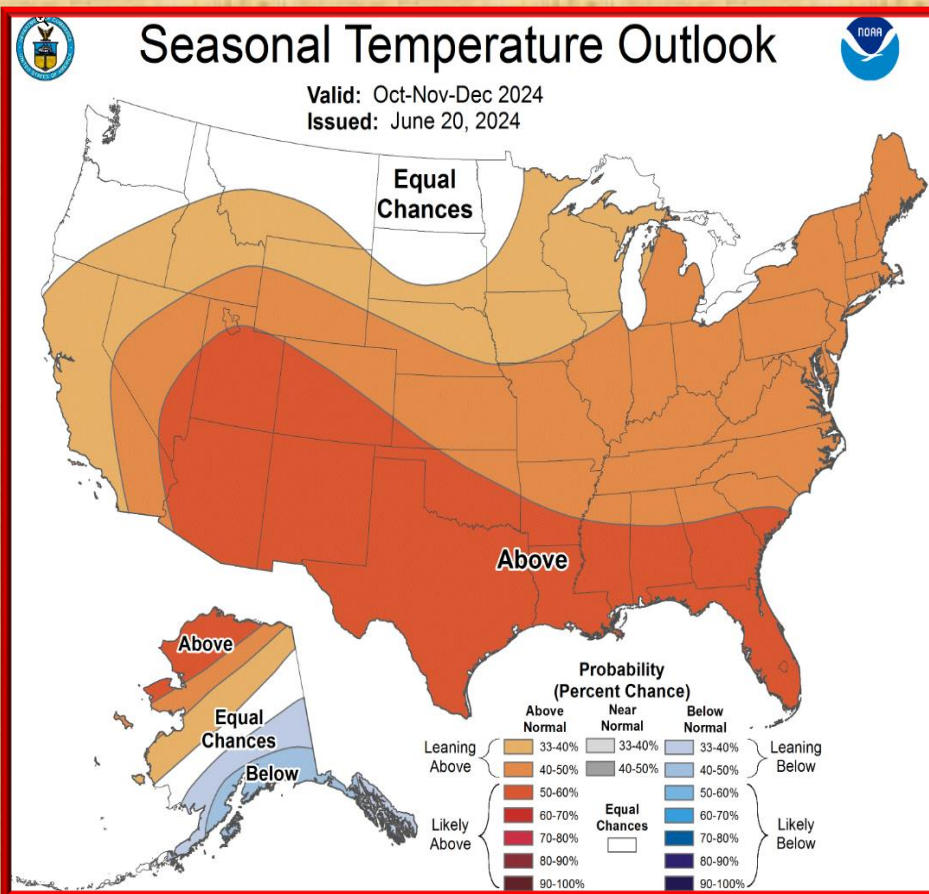




# Temperature and precipitation outlook for Oct-Dec 2024

## Temperature

## Precipitation

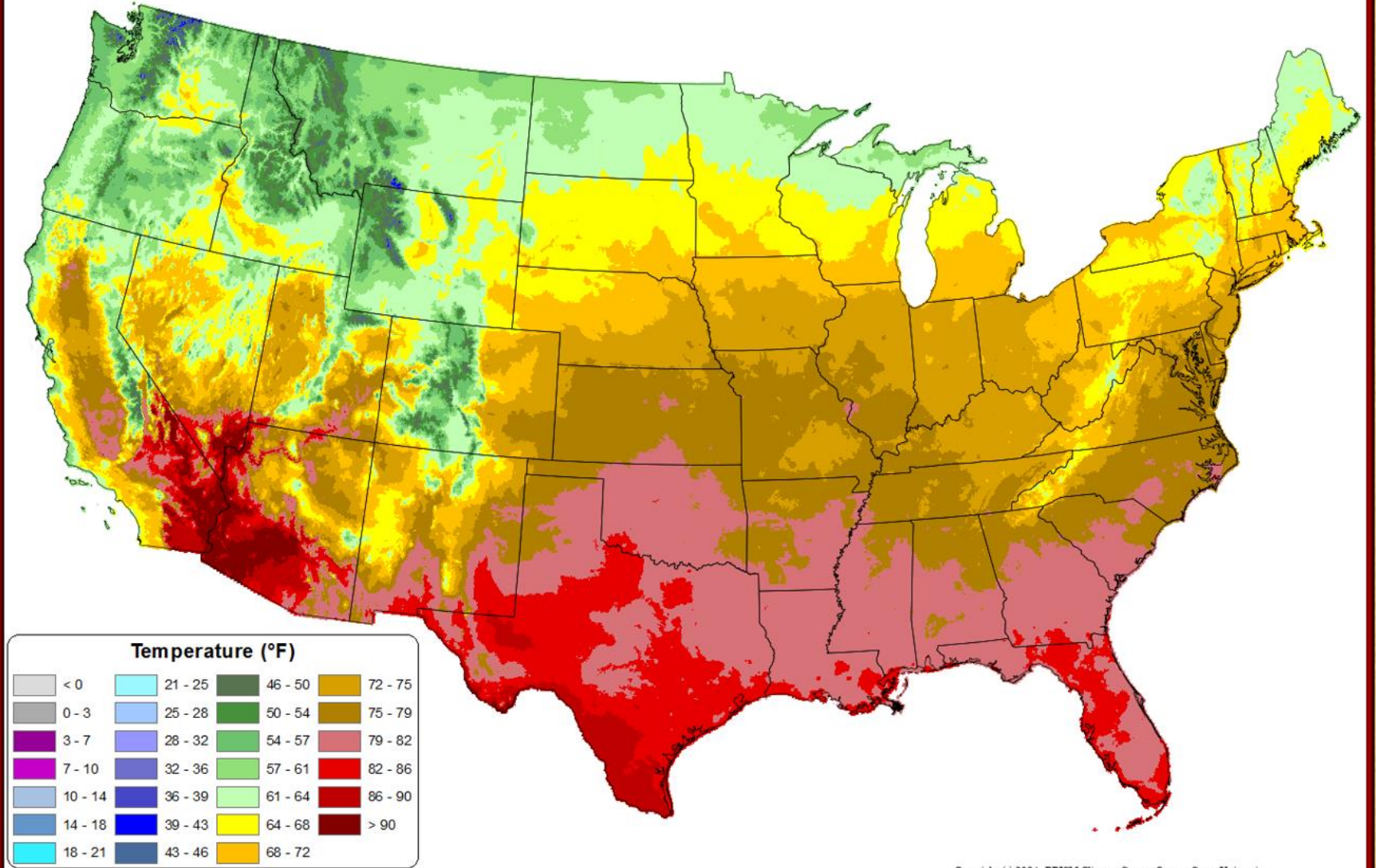


# Average Daily Mean Temperature for June 2024

Average Daily Mean Temperature: 01 Jun 2024 - 30 Jun 2024

Period ending 7 AM EST 30 Jun 2024

(Map created 01 Jul 2024)



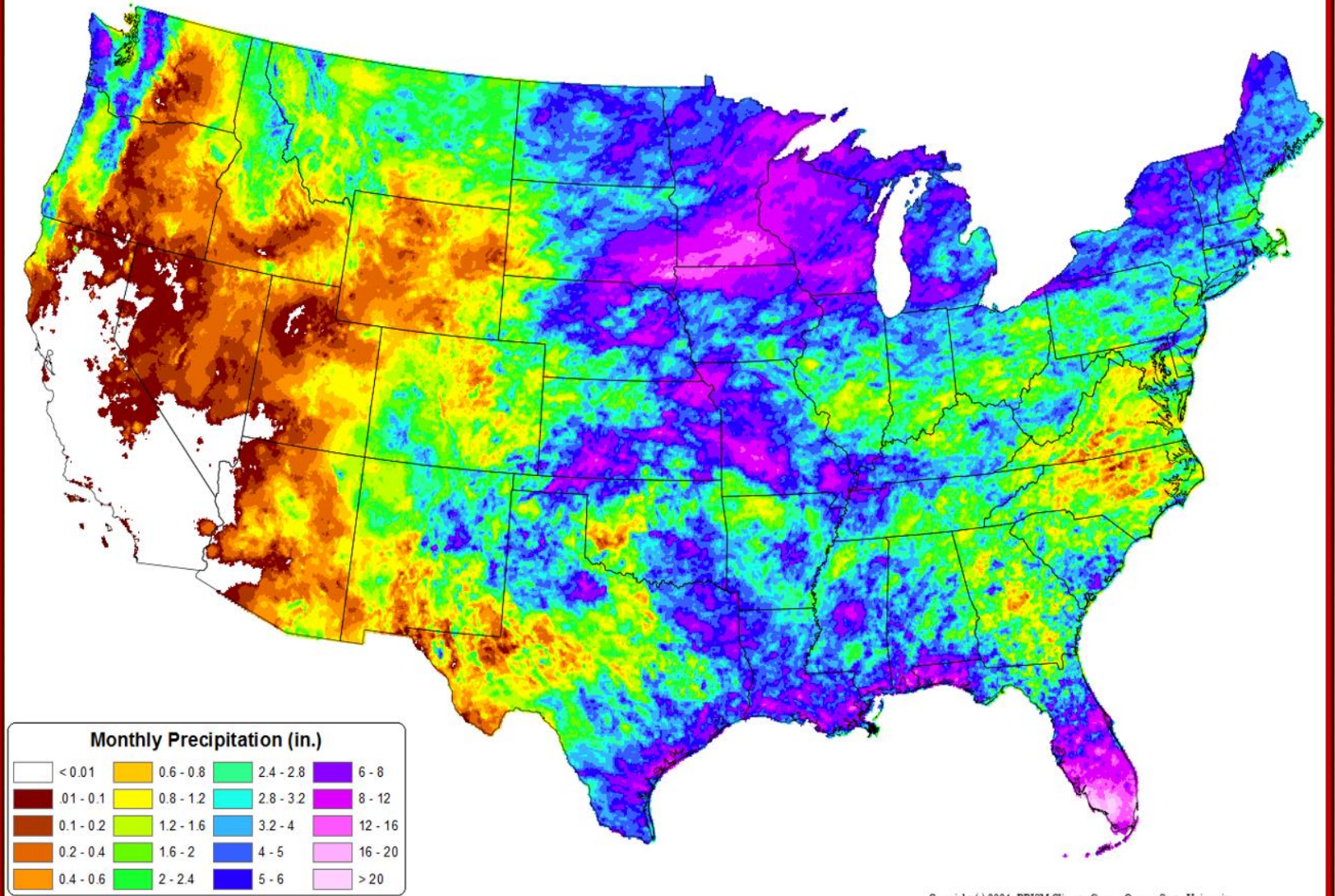


# Total Precipitation for June 2024

Total Precipitation: 01 Jun 2024 - 30 Jun 2024

Period ending 7 AM EST 30 Jun 2024

(Map created 01 Jul 2024)



# Selected Weather Reports June 2024

<b>Date/Time</b>	<b>Location (County)</b>	<b>Event</b>
JUN 19 615 PM	SAN AUGUSTIN PASS-DONA ANA	94 MPH PEAK WIND GUST
JUN 19 1205 PM	JORNADA RANGE-DONA ANA	62 MPH PEAK WIND GUST
JUN 19 626 PM	DRIPPING SPRINGS-DONA ANA	61 MPH PEAK WIND GUST
JUN 30 335 PM	LAS CRUCES 3NE-DONA ANA	66 MPH PEAK WIND GUST
JUN 30 326 PM	DRIPPING SPRINGS-DONA ANA	63 MPH PEAK WIND GUST





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 [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 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>	