

May 2023 Weather Digest



May 2023 Weather Summary

After a very dry spring season, May ended up closing out the spring season on a wet note. Much of the area north and west of Las Cruces ended up with well above normal rainfall. Areas to the east were only slightly below normal except west Texas which remained quite dry. Quite unusually, around mid month considerable lower level moisture moved into most of the area. While a few days of this moist intrusion is not unusual for the Borderland, an intrusion lasting about 10 days such as this May, is very unusual. The majority of rainfall for the area occurred in this period from about May 14-23.

The clouds and moisture kept many of the daily high temperatures below normal, while the overnight low temperatures remained above normal. However, for the month high temperatures were near to slightly above normal, while low temperatures were mostly above normal. In fact El Paso failed to reach the century mark; the 30 year average for the first 100 degree reading is May 31, and El Paso typically sees the 100 degree mark in May about half of the time.

May 2023 Weather Summary

Looking ahead to June, the area enjoys the longest days of daylight as the summer solstice occurs on June 21. Days continue to warm up, with average highs in El Paso on the first day at 95 degrees, peaking at 98 degrees on June 13, and then only beginning to drop on the last day of June. Daylight length on June 1 is 14 hours, 5 minutes of sunshine, maxing out at 14 hours, 13 minutes at the summer solstice and then falling a couple of minutes by the end of June.

Celestial events: The June full moon falls on June 3, which is known as the Strawberry Moon, while the new moon occurs on June 17. Unfortunately for fans of the eclipse, there are no eclipses for June.

May 3 West Fork Gila River



May 13 Storm near Silver City



**May 22 Funnel Cloud
near San Lorenzo**



May 13 Hail near Silver City



May 10 Fire near Juarez, Mexico



ENSO Alert System Status: El Niño Watch in Effect

ENSO Alert System

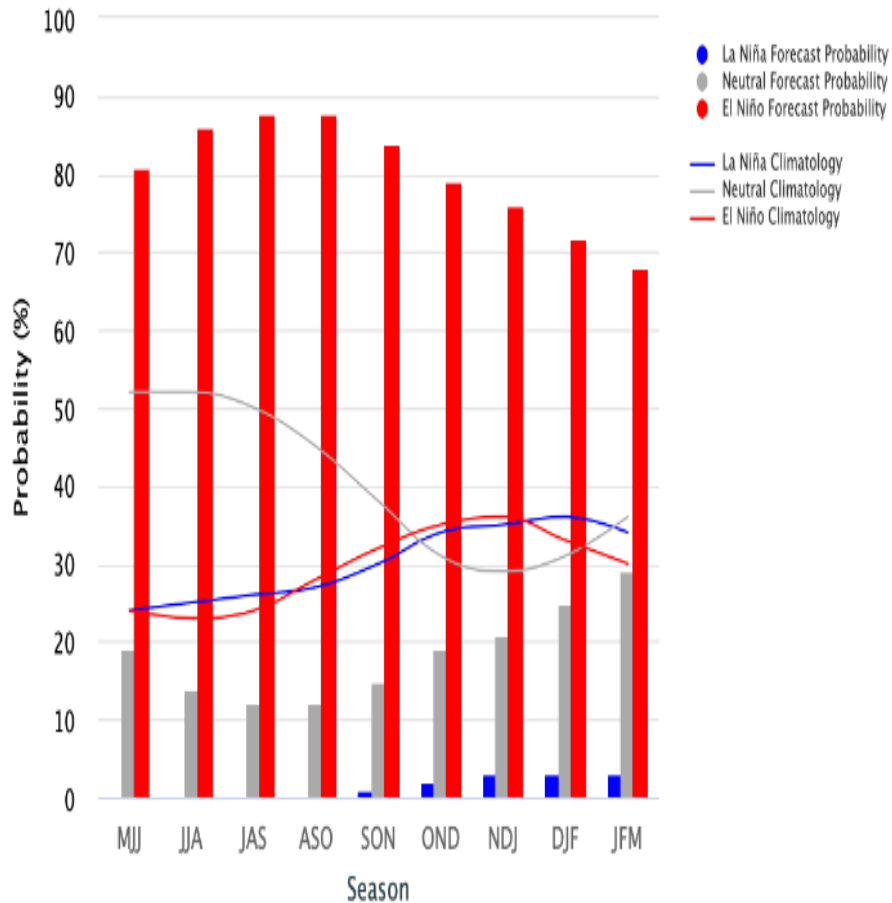
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

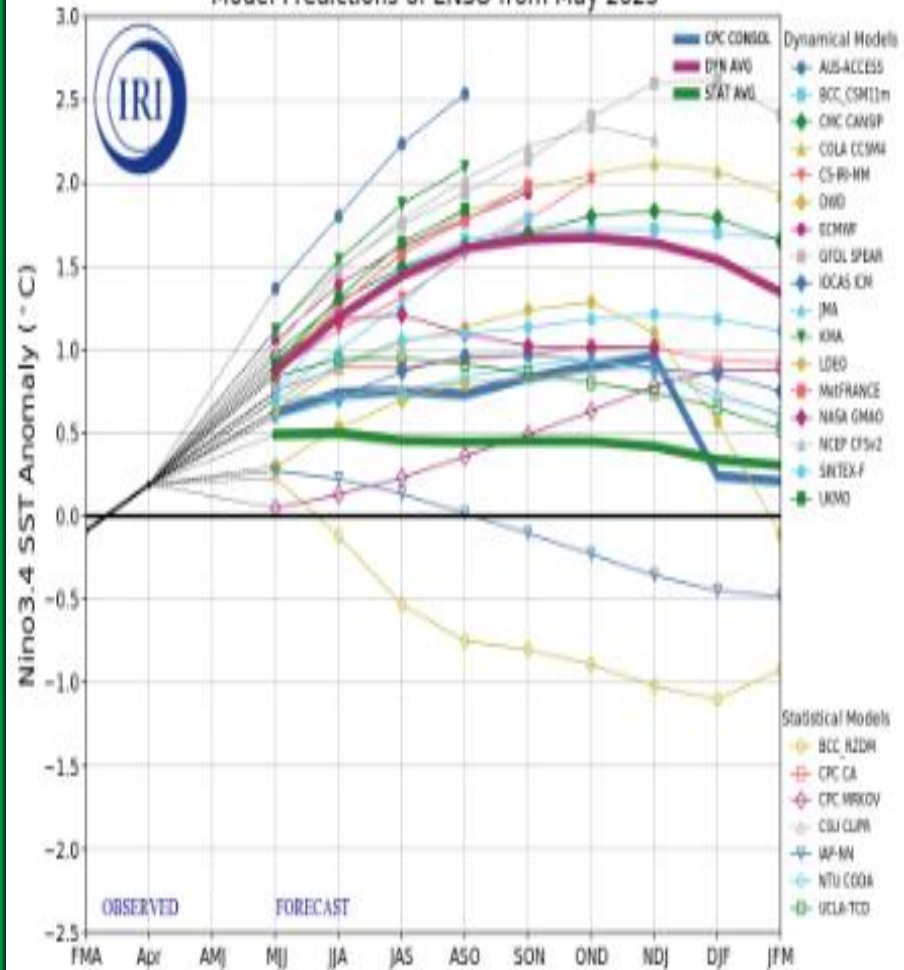
ENSO is in a neutral status. Forecast shows neutral likely transitioning to El Niño over the next two months.

Mid-May 2023 IRI Model-Based Probabilistic ENSO Forecasts

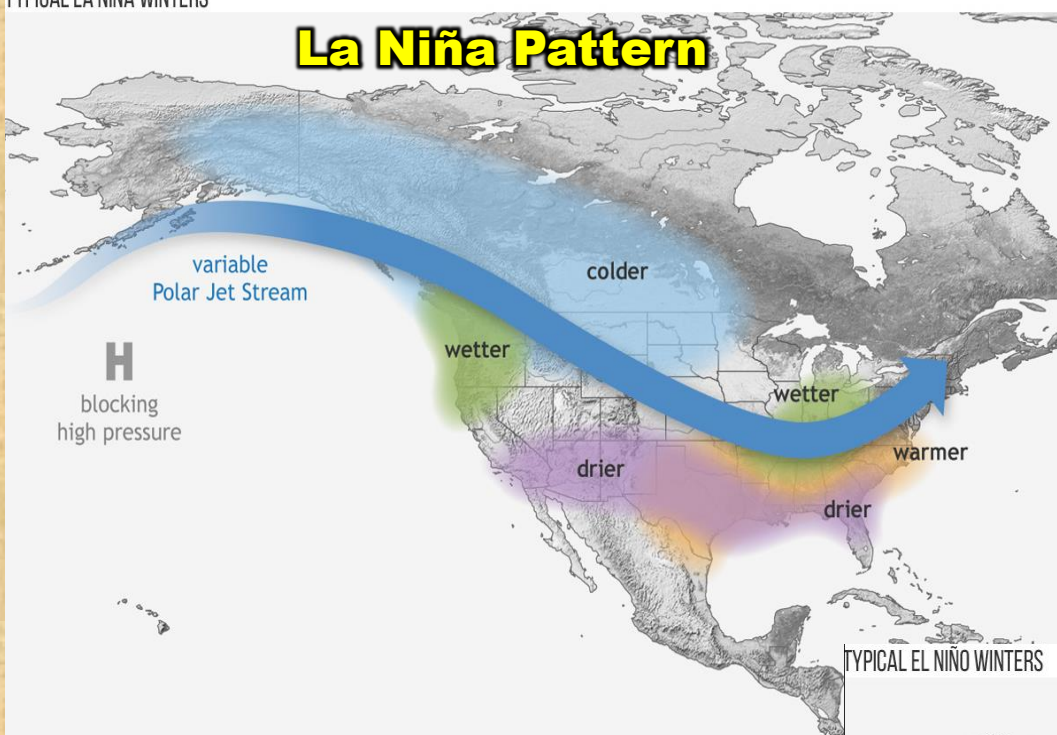
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5°C to 0.5°C



Model Predictions of ENSO from May 2023

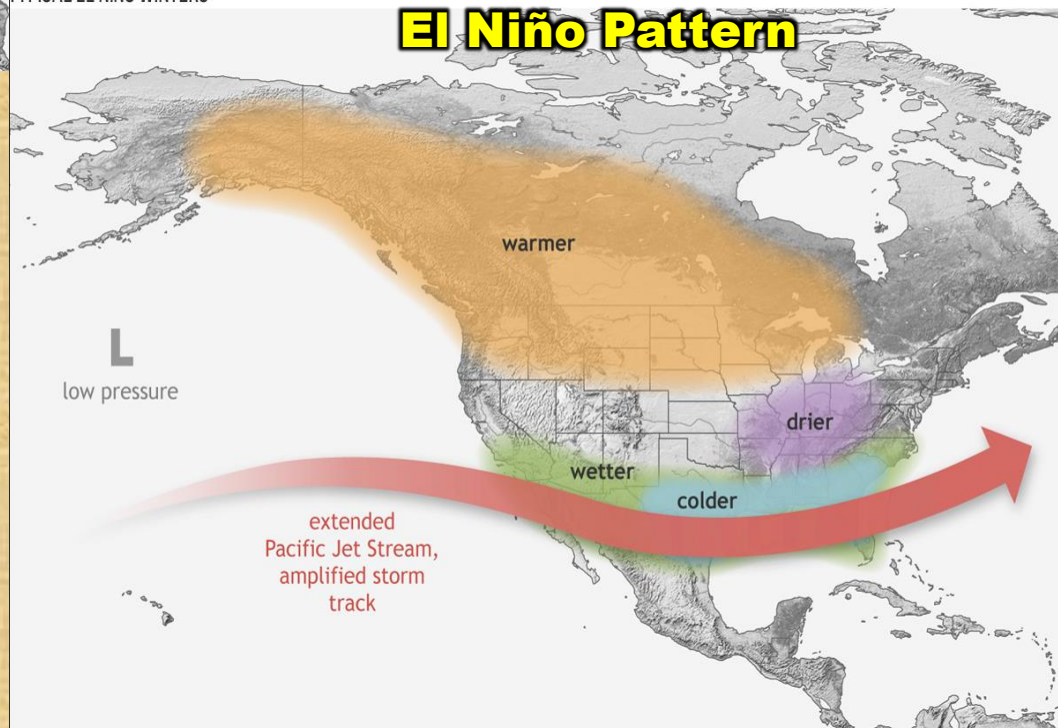


La Niña Pattern



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



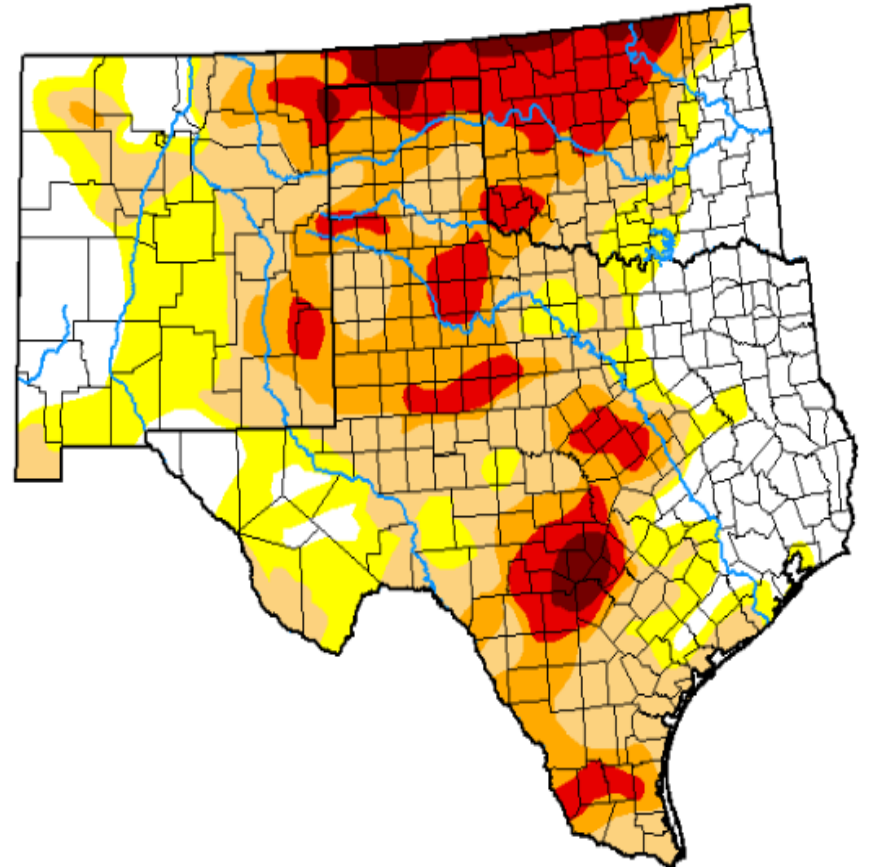
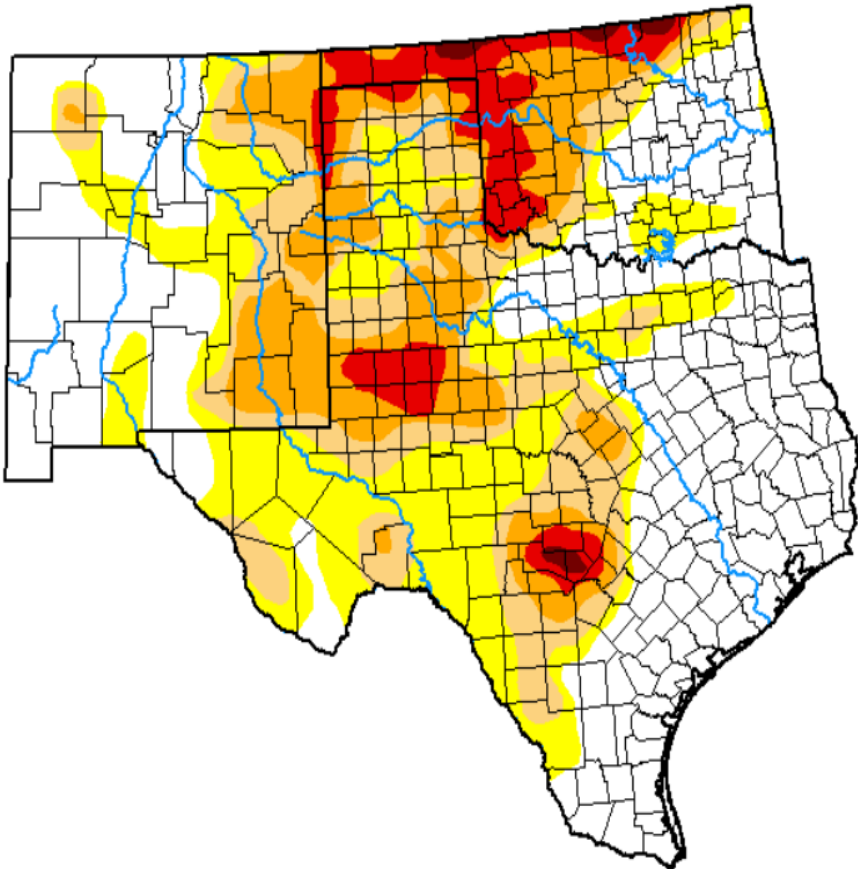
With El Niño, we often see the opposite pattern where the eastern Pacific ridge of high pressure is often weak or non-existent, allowing winter storms to sweep across the southern U.S. This typically will give the southwestern U.S. above normal precipitation.

Current drought conditions and 3 month change

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

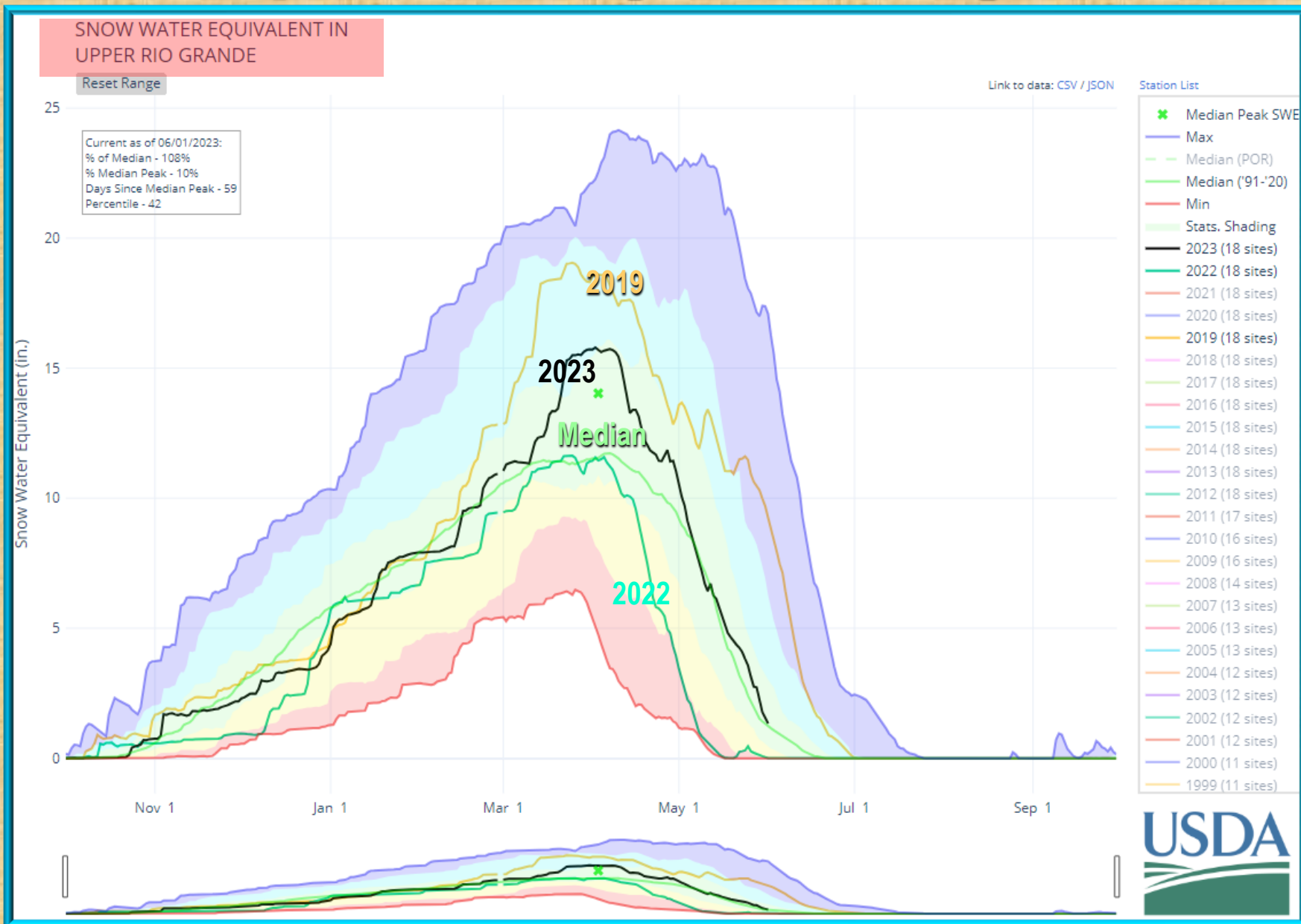
May 30, 2023

Feb 28, 2023



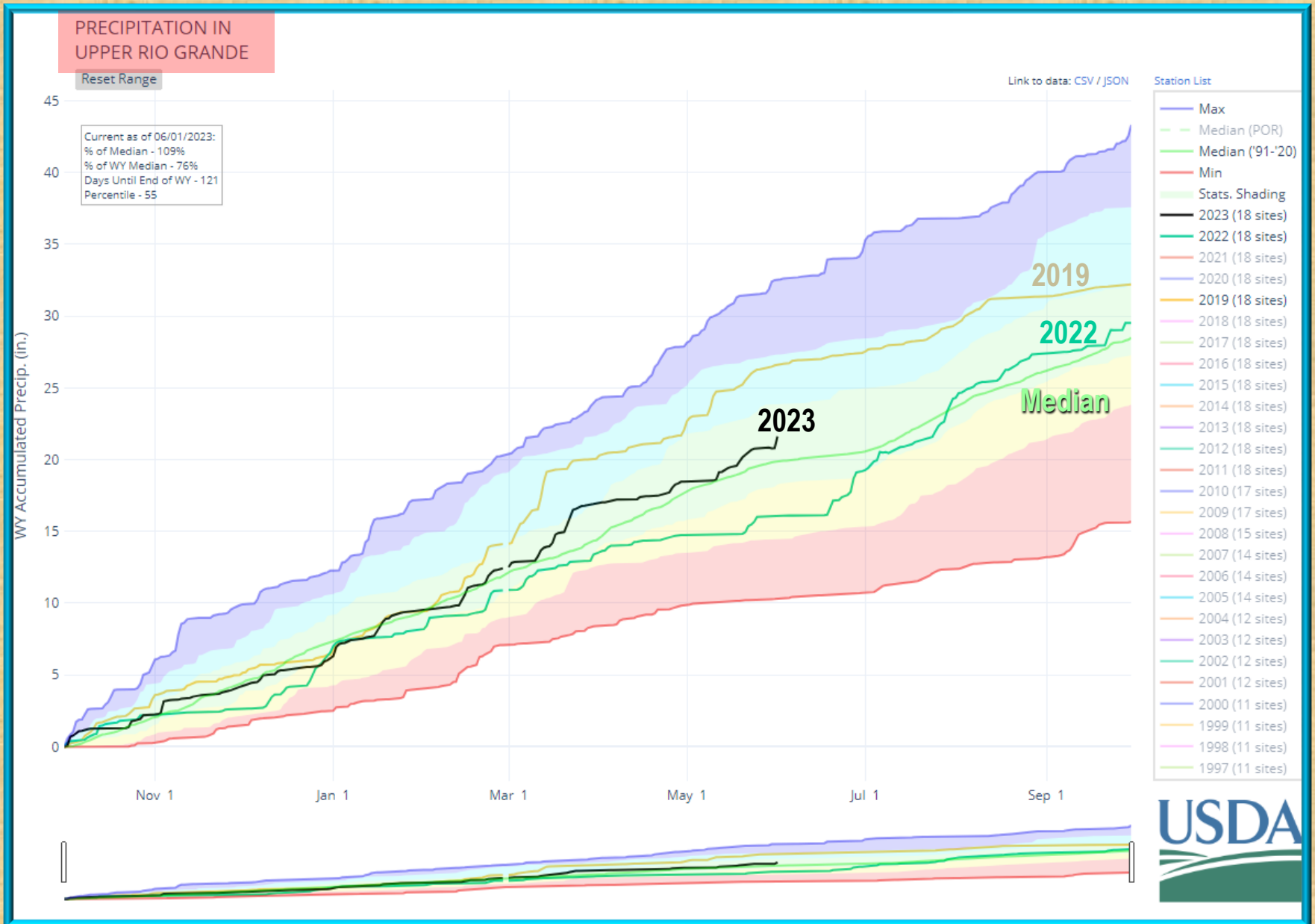
Snow Water Equivalent as of May 31, 2023

Compare to last few years and average values



Precipitation for the Water Year Oct 1 –May 31, 2023

Compare to last few years and average values

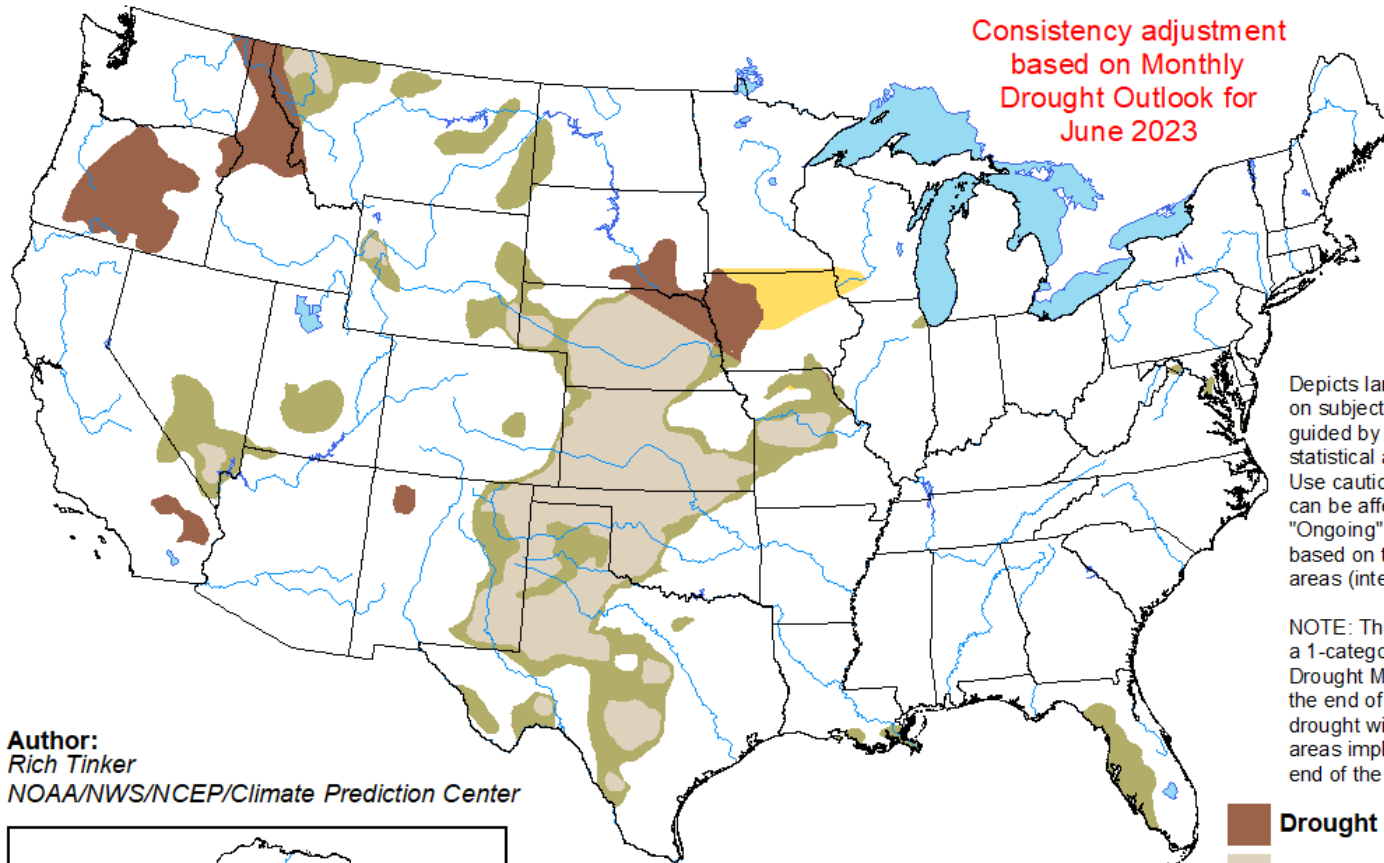


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for June 1 - August 31, 2023
Released May 31, 2023





Consistency adjustment
based on Monthly
Drought Outlook for
June 2023

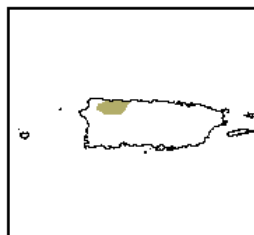
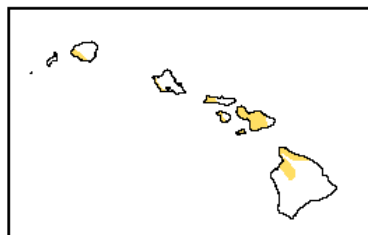
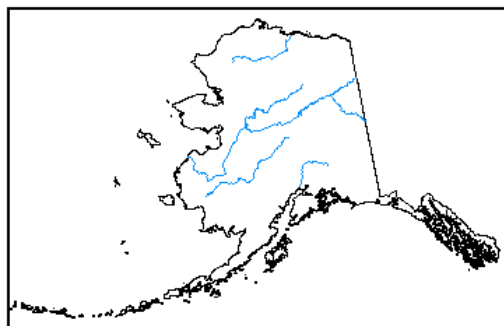


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

Author:
Rich Tinker
NOAA/NWS/NCEP/Climate Prediction Center

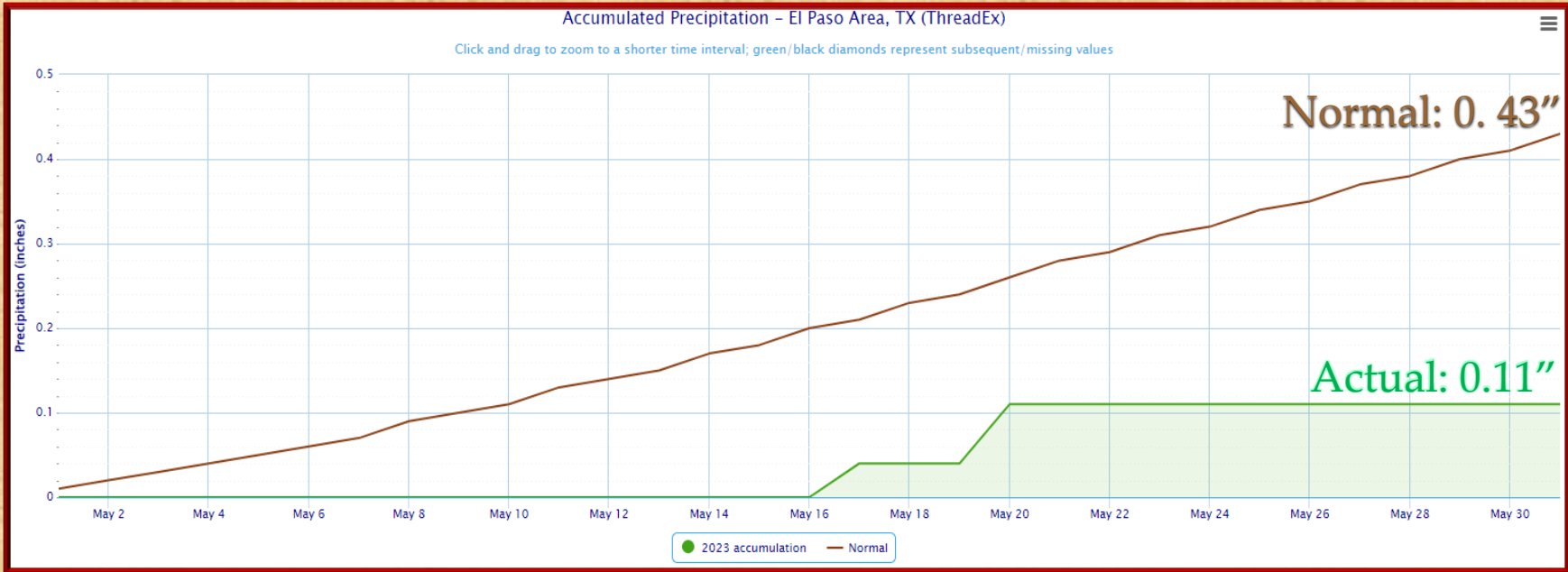
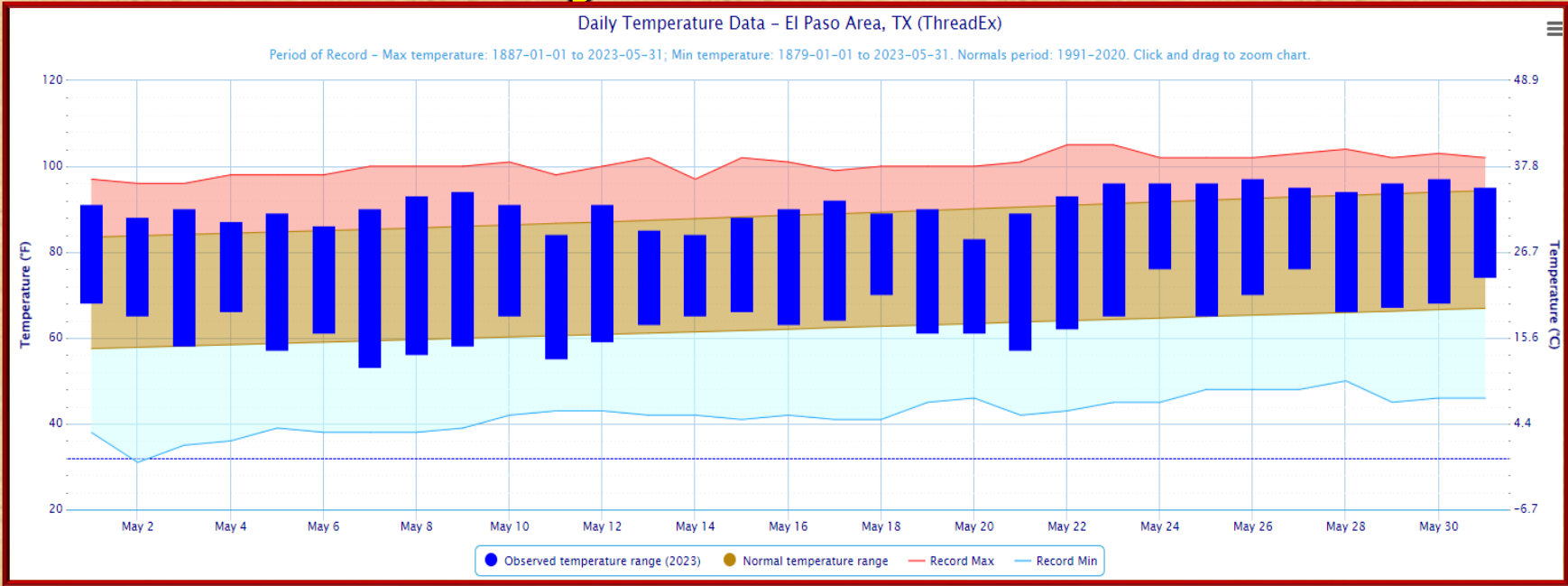
-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



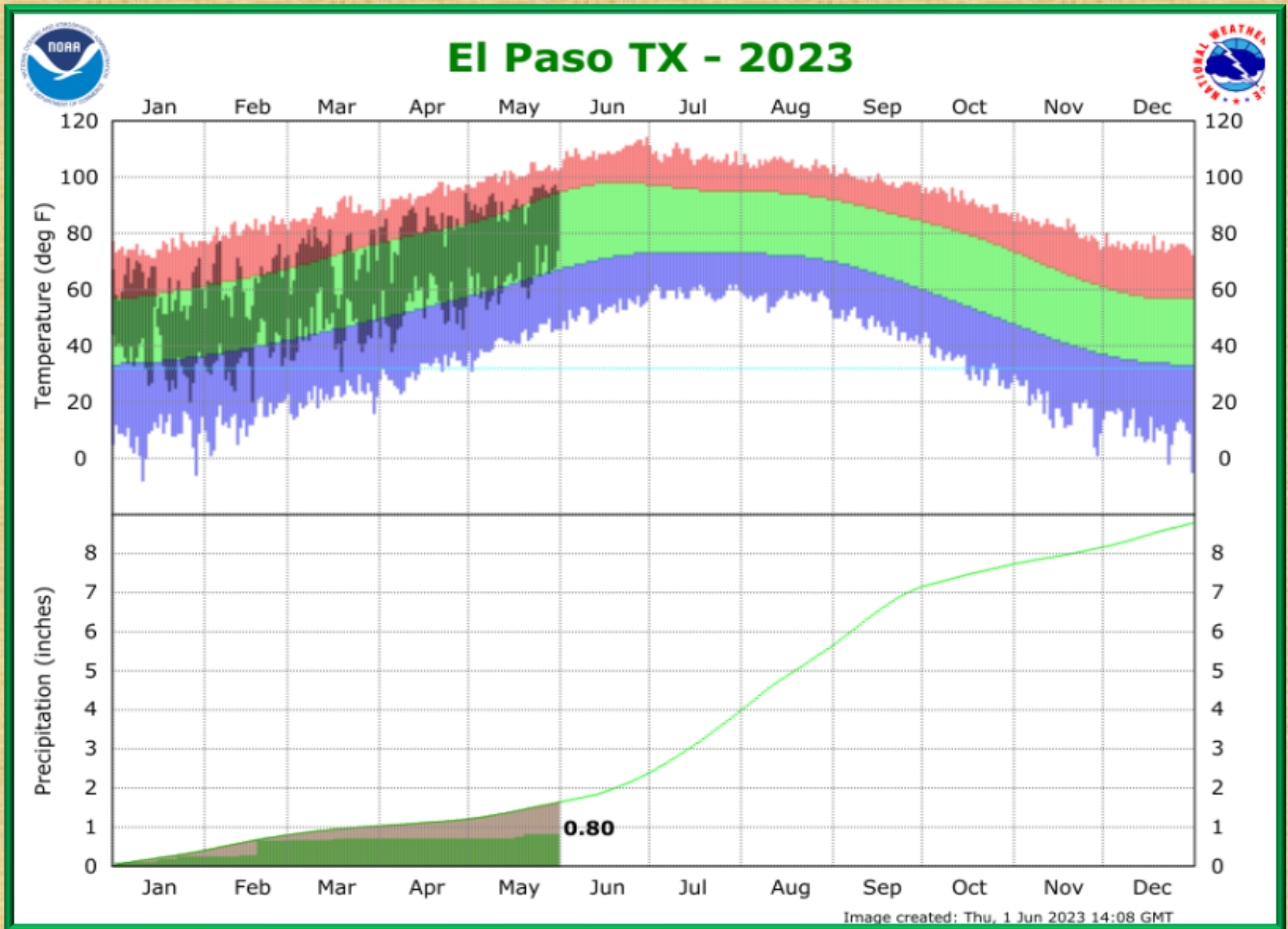
<http://go.usa.gov/3eZ73>

Temperature and precipitation data for May 2023 in El Paso

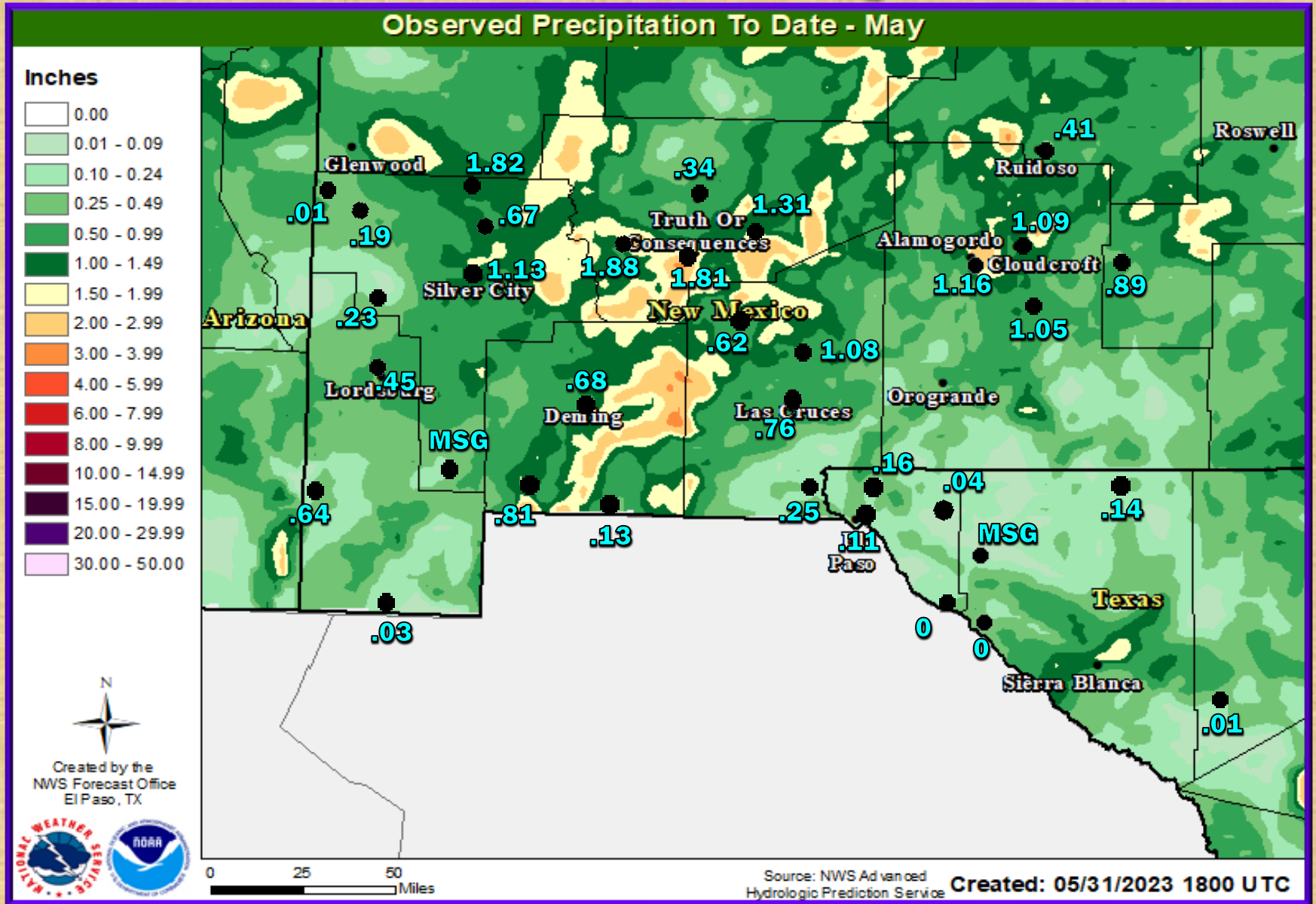
○ = record



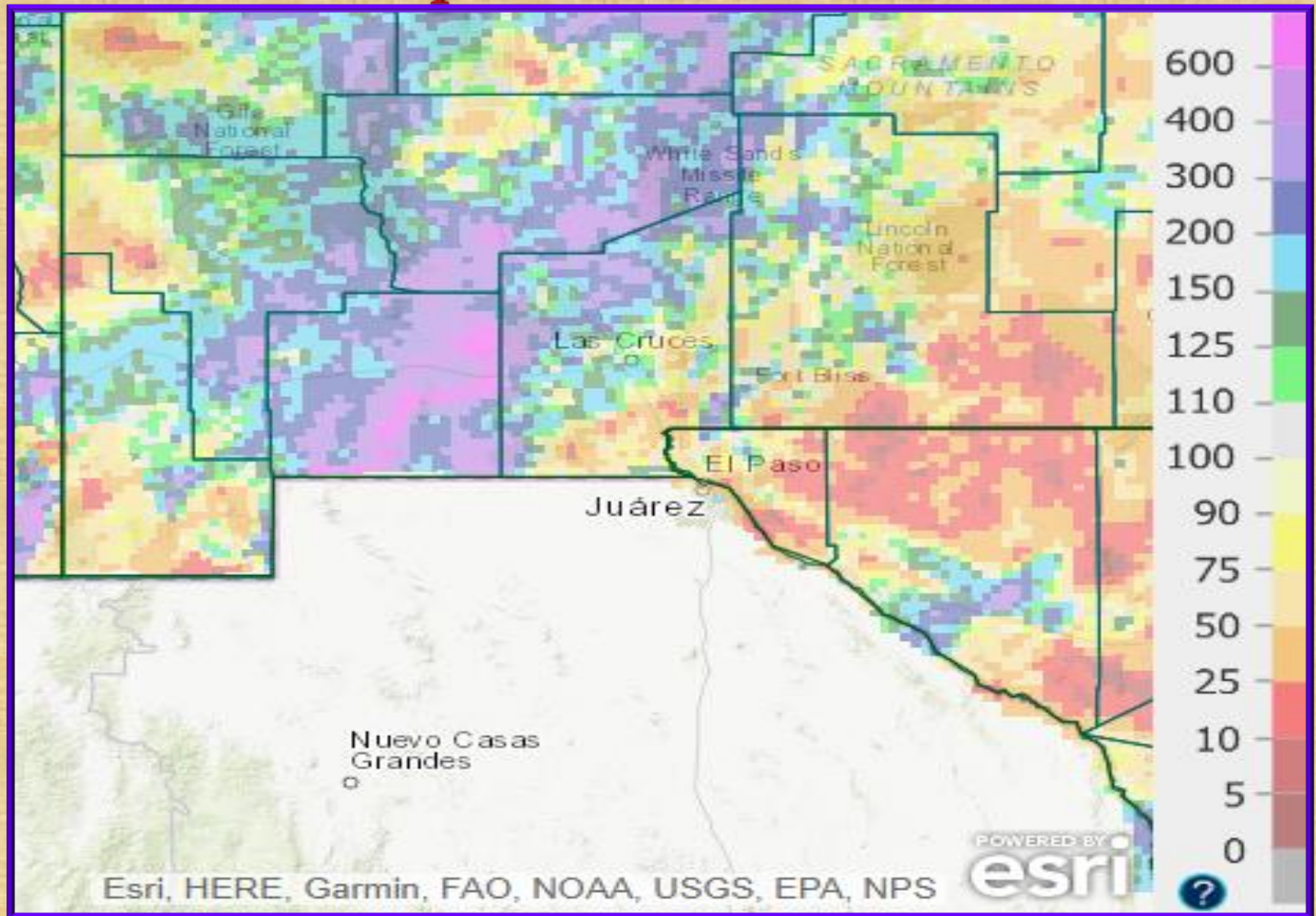
Temperature and Precipitation for 2023 YTD for El Paso



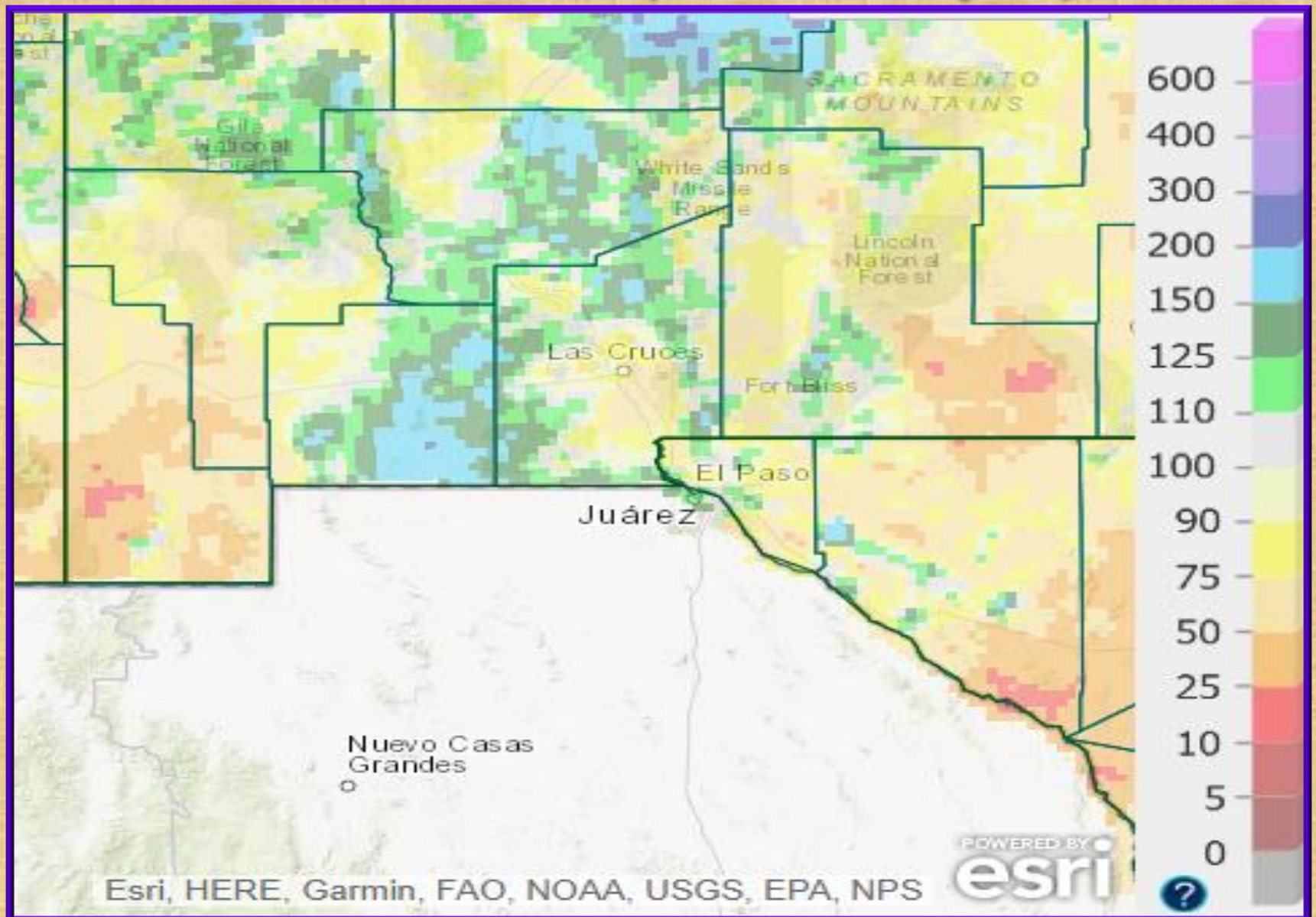
May 2023 radar rainfall estimate with surface rainfall reports



May 2023 rainfall estimate percent of normal



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



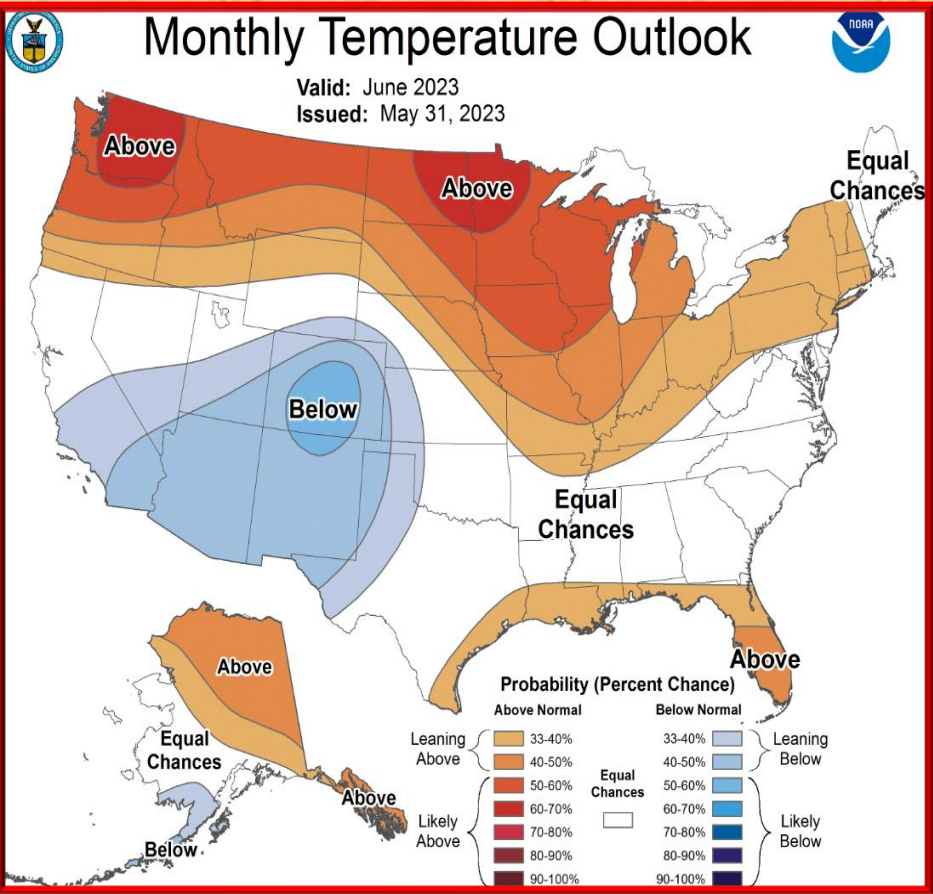
Temperature and precipitation outlook For June 2023

Temperature

Precipitation

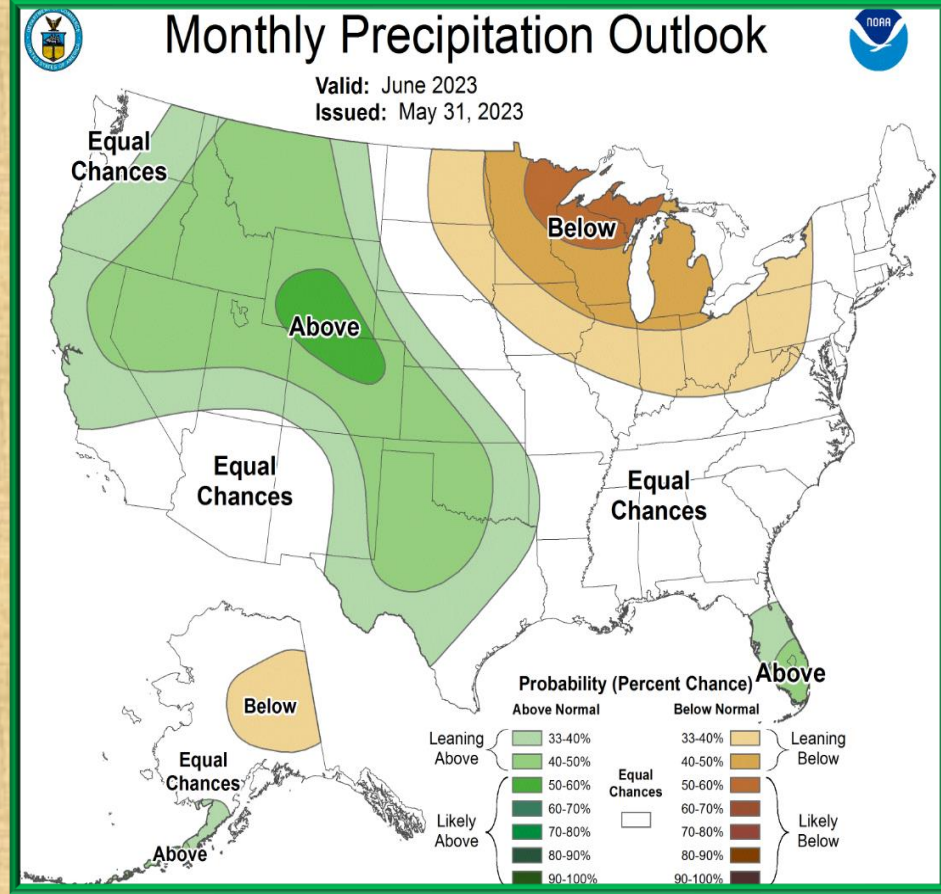
Monthly Temperature Outlook

Valid: June 2023
Issued: May 31, 2023



Monthly Precipitation Outlook

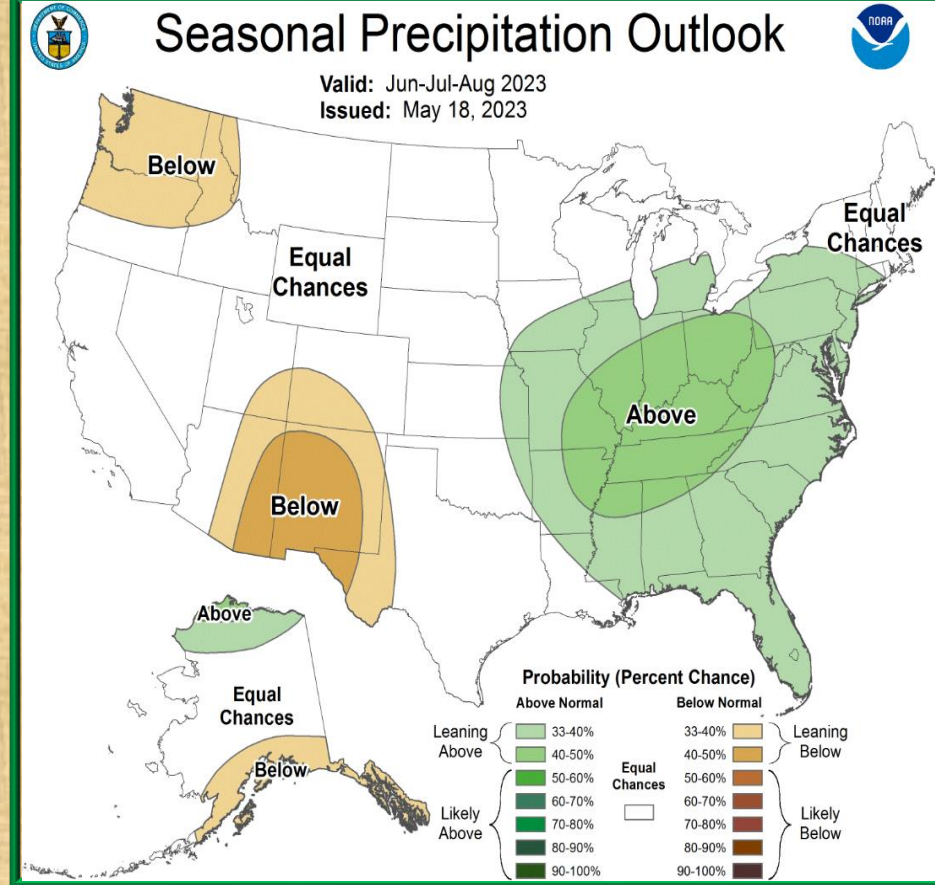
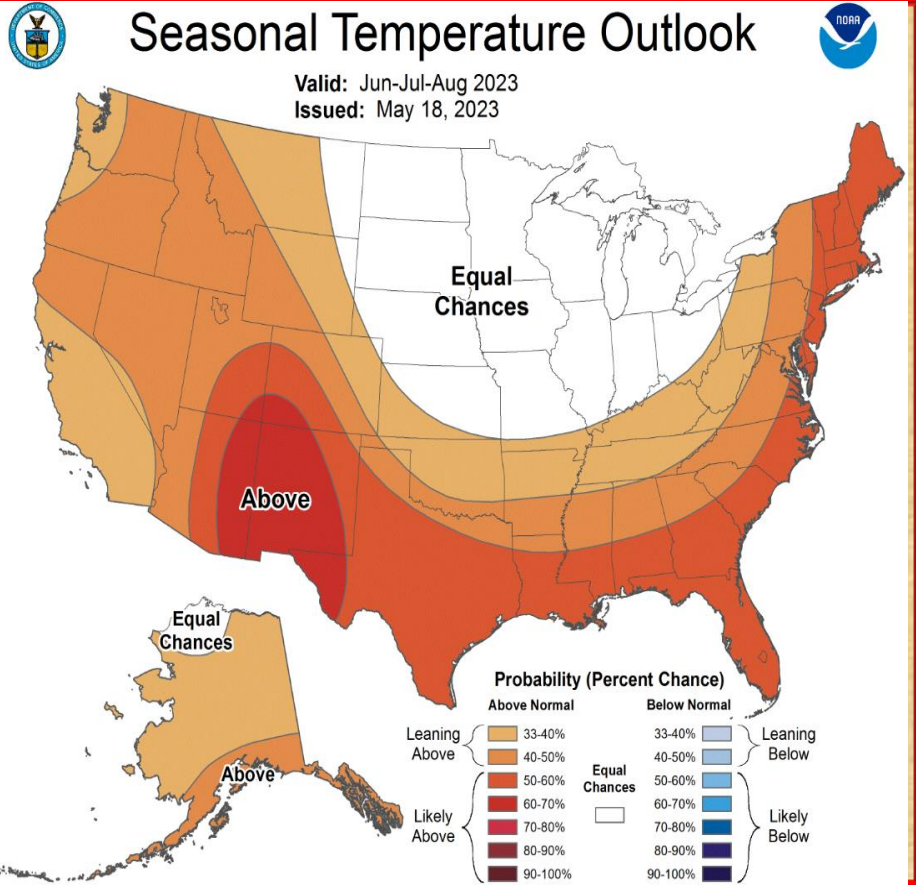
Valid: June 2023
Issued: May 31, 2023



Temperature and precipitation outlook for Jun-Aug 2023

Temperature

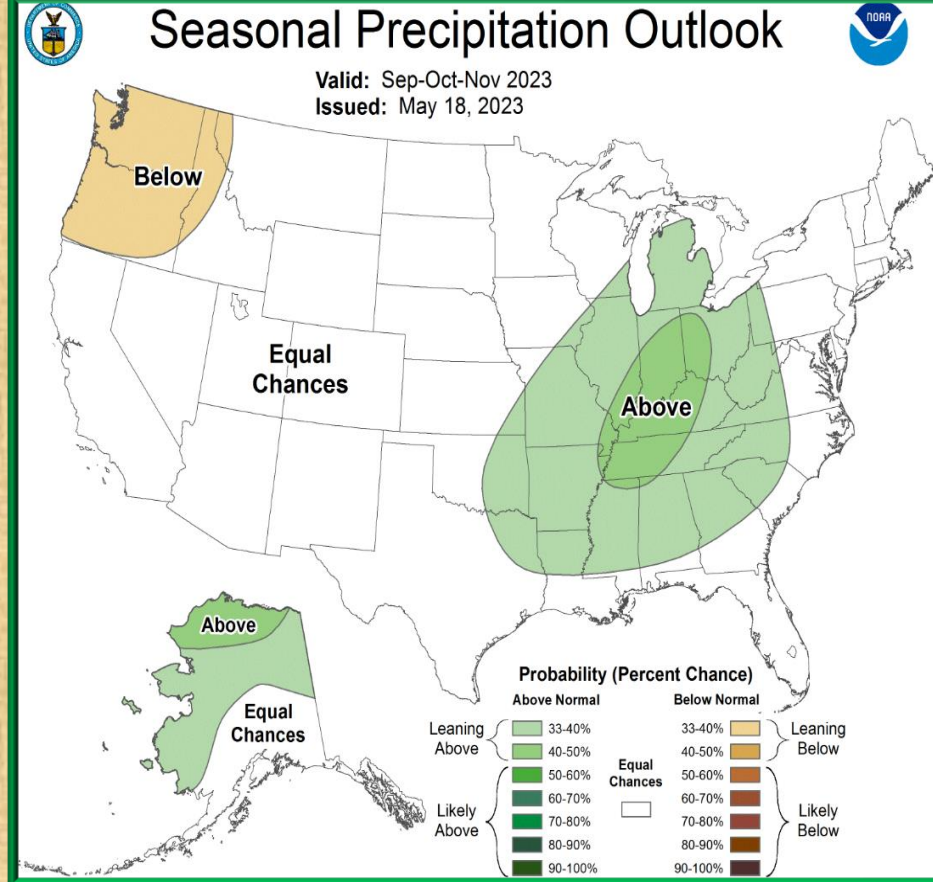
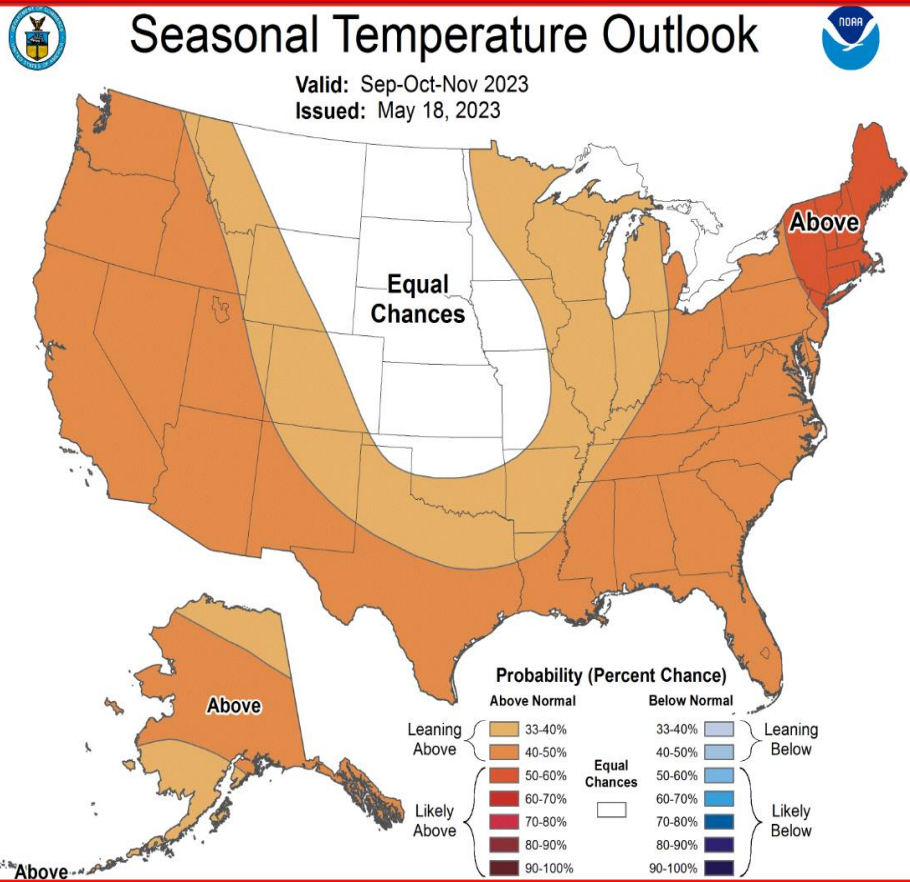
Precipitation



Temperature and precipitation outlook for Sep-Nov 2023

Temperature

Precipitation

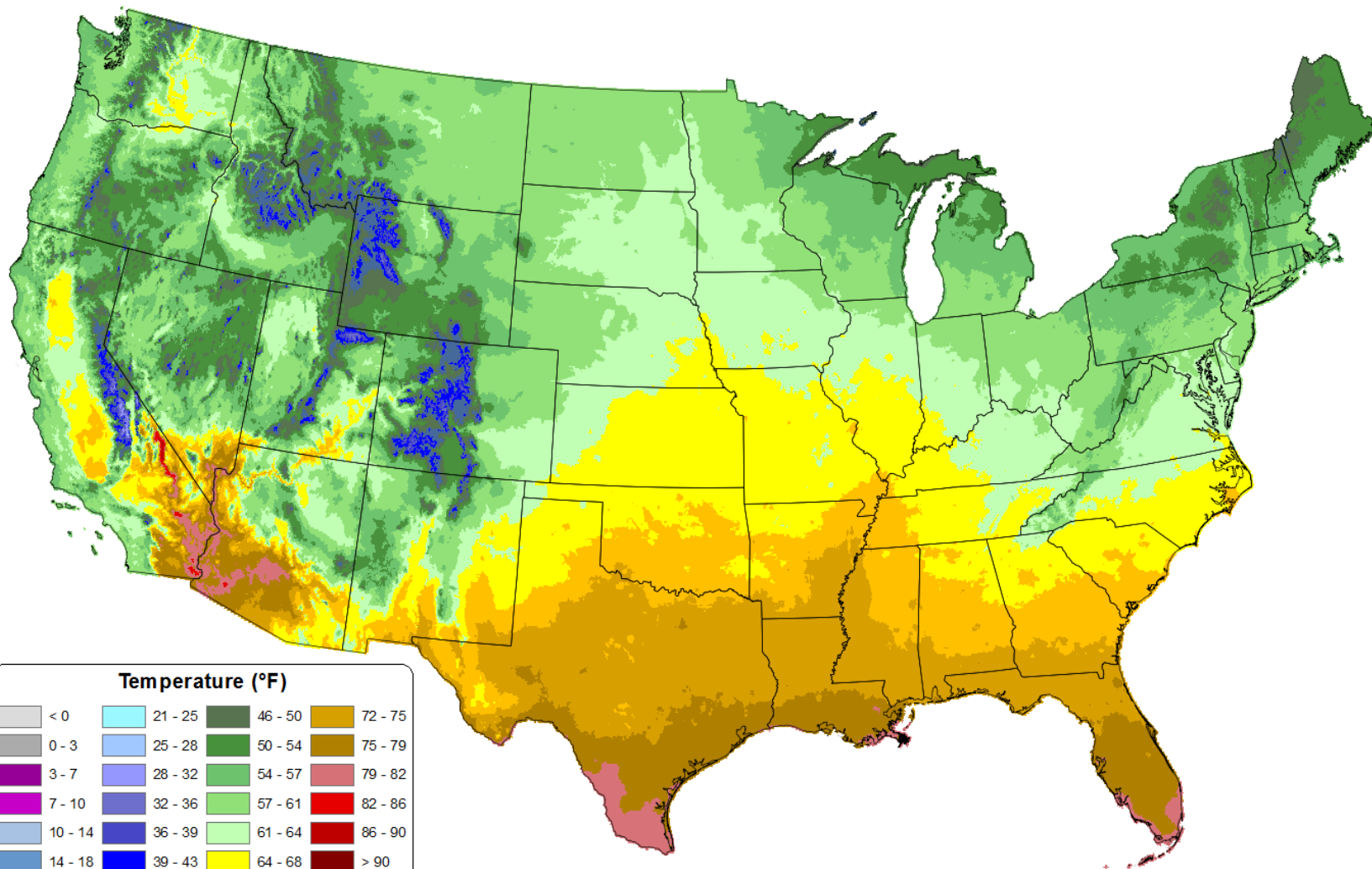


Average Daily Mean Temperature for May 2023

Average Daily Mean Temperature: 01 May 2023 - 31 May 2023

Period ending 7 AM EST 31 May 2023

(Map created 01 Jun 2023)



Temperature (°F)

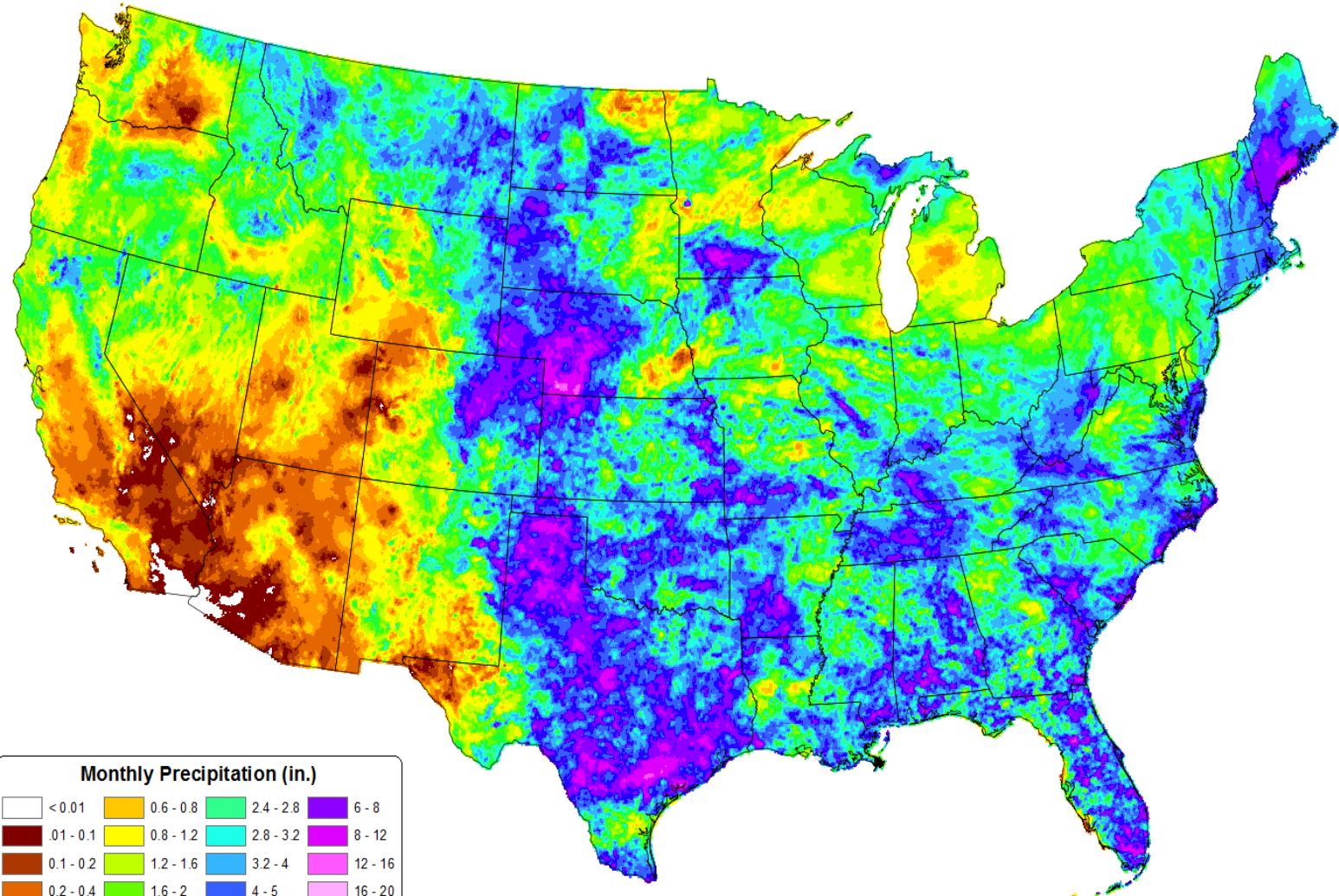
< 0	21 - 25	46 - 50	72 - 75
0 - 3	25 - 28	50 - 54	75 - 79
3 - 7	28 - 32	54 - 57	79 - 82
7 - 10	32 - 36	57 - 61	82 - 86
10 - 14	36 - 39	61 - 64	86 - 90
14 - 18	39 - 43	64 - 68	> 90
18 - 21	43 - 46	68 - 72	

Total Precipitation for May 2023

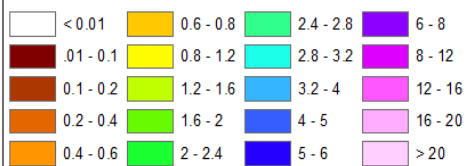
Total Precipitation: 01 May 2023 - 31 May 2023

Period ending 7 AM EST 31 May 2023

(Map created 01 Jun 2023)



Monthly Precipitation (in.)

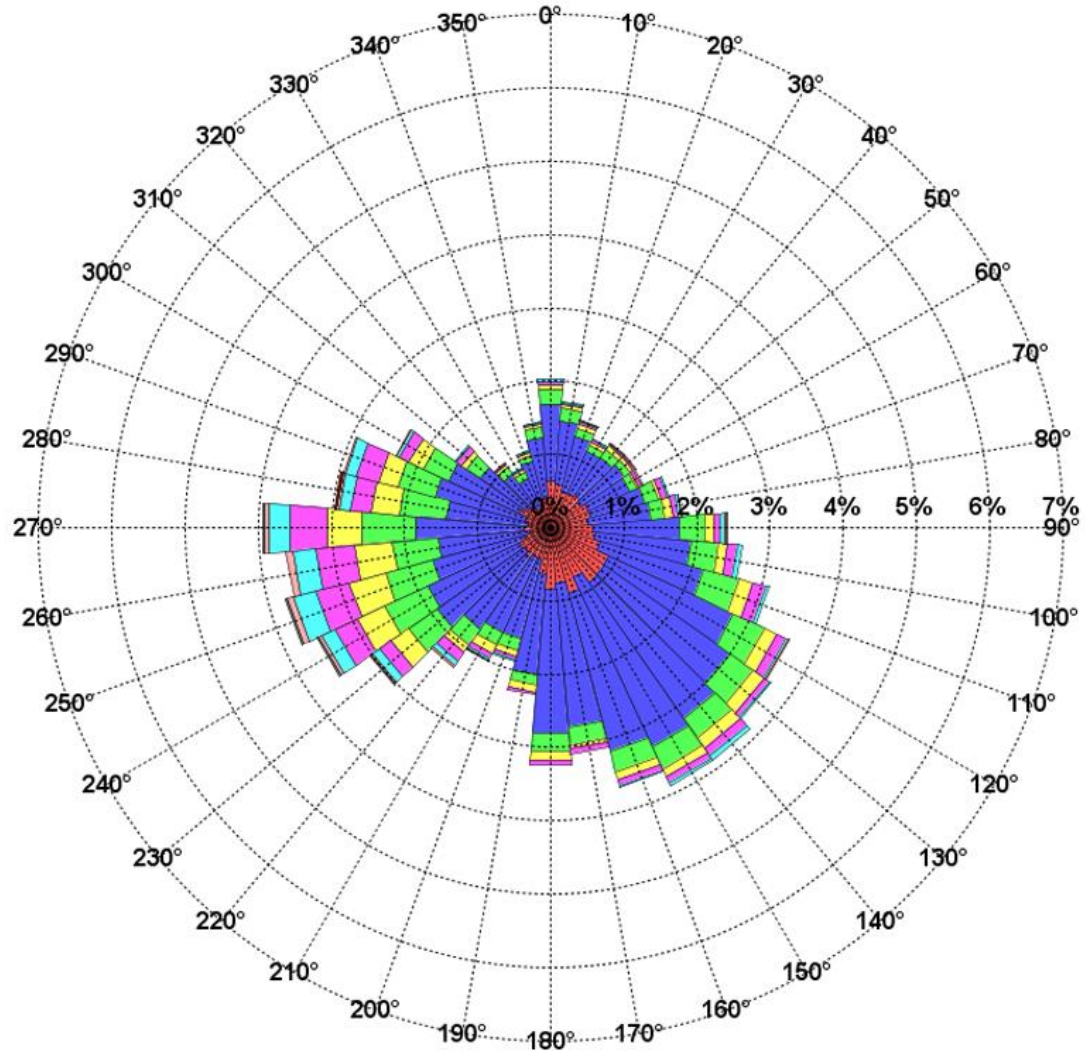


Special Features

www.weather.gov/epz/elpwindrosedata

Month: JUNE
Calm: 8.00%
Variable: 3.55%

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 ...
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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/

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	