

May 2022 Weather Digest



May 2022 Weather Summary

May is often very dry across the Borderland, but this May was especially dry, with none of our reporting stations around the area recording any measurable rainfall. The only storms of the month did bring isolated rain to a small area east of Mescalero, New Mexico, and also southeast of Sierra Blanca, Texas. Obviously the majority of the area was at 0 percent of normal rainfall for the month. The good news is the average rainfall for May is so low, it would only take a few rain events in June to offset the dry May. With the dry weather, temperatures naturally were on the warm side, with daily average temperatures around 2 to 4 degrees above normal. Many lowland sites recorded their first triple digit reading of the season during the last week of May.

The big news of the month, due to the dryness, was the start of several wildfires. The largest fire was the Black Fire which started around May 14 and rapidly grew into a very large fire. The fire was located over the Black Range of the Gila Wilderness area (see map below).

Looking ahead to June, we enter the stretch of our warmest temperatures of the year. June also give us our longest daylight of the year also, culminating with the Summer Solstice on June 21. Daylight length continues at a slower trend,

May 2022 Weather Summary, cont'd

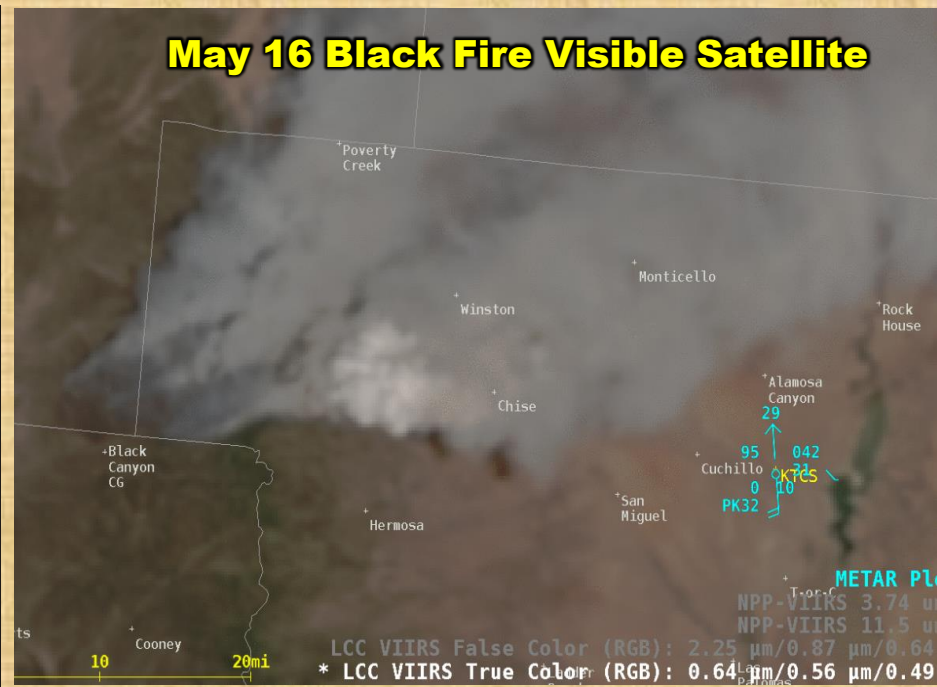
beginning the month at 14 hours, 5 minutes and peaking at 14 hours, 13 minutes on the Solstice and then beginning a slow decrease after that day. Much like daylength, our temperature increase slows down. At El Paso, we start the month with an average high of 95 and peak at 98 degrees around the Solstice.

For you lunar fans, the full moon of June falls on the 14th and is a super moon known as the Strawberry Moon, as this the time of the season when strawberries typically ripen. There are no lunar or solar eclipses in June.

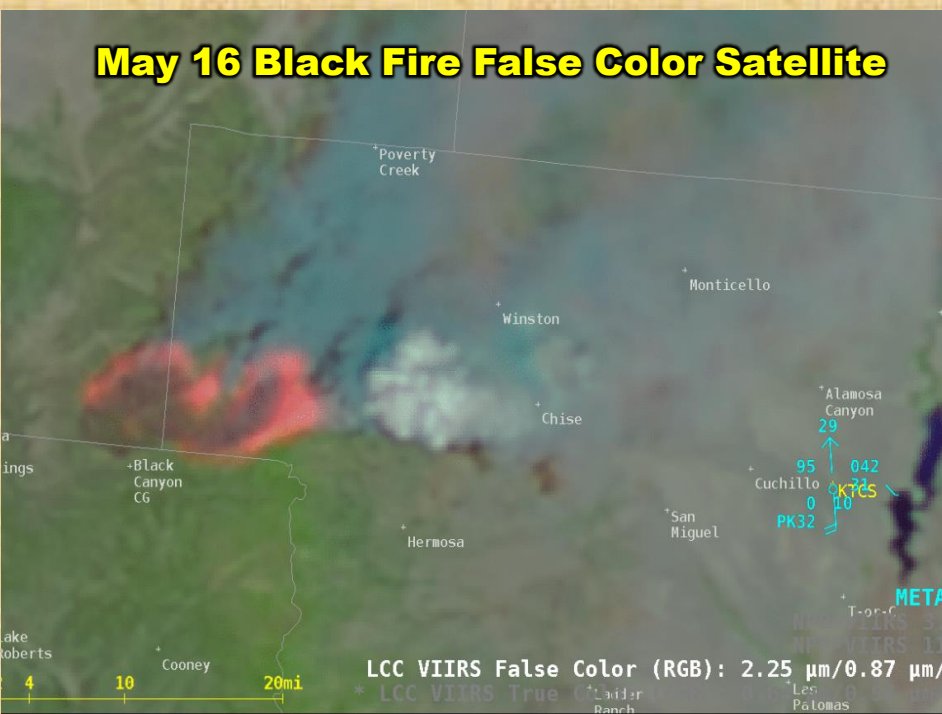
May 15 Total Lunar Eclipse



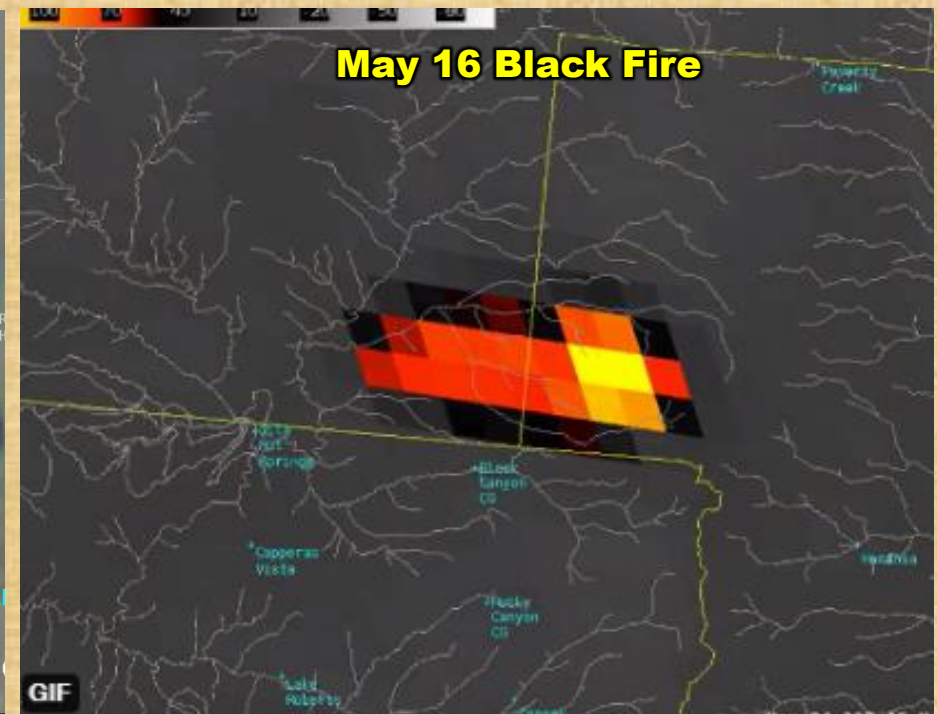
May 16 Black Fire Visible Satellite



May 16 Black Fire False Color Satellite



May 16 Black Fire



May 16 Black Fire



May 16 Black Fire



May 17 Black Fire



May 16 Black Fire



Black Fire Information

7 a.m, May 20, 2022

Acres: 104,969
Containment: 0%

Black Fire Information

7 a.m, May 24, 2022

Acres: 154,911
Containment: 11%

Black Fire Information

7 a.m, May 27, 2022

Acres: 191,459
Containment: 13%

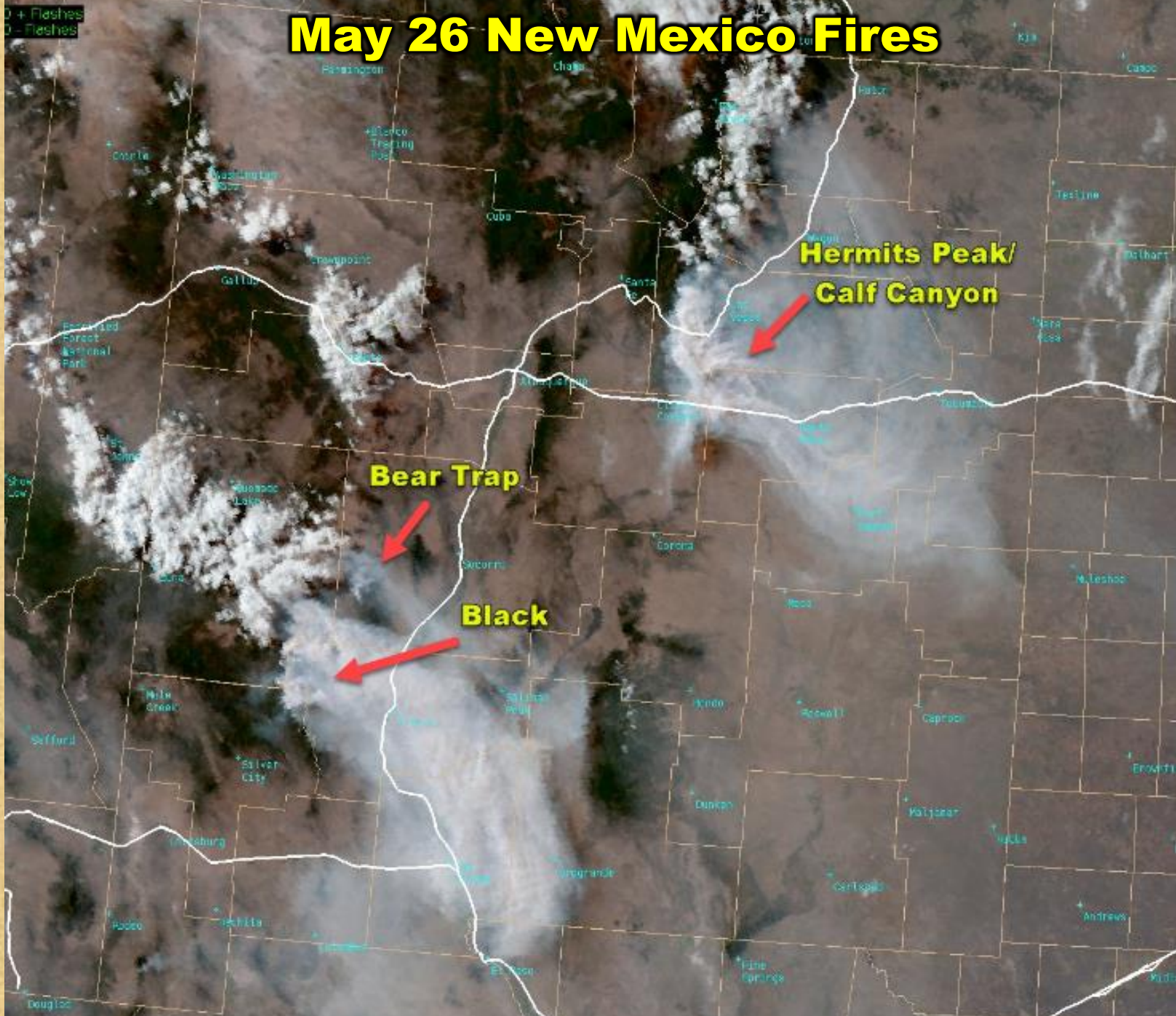
Black Fire Information

6 a.m, May 30, 2022

Acres: 241,403
Containment: 26%

May 26 New Mexico Fires

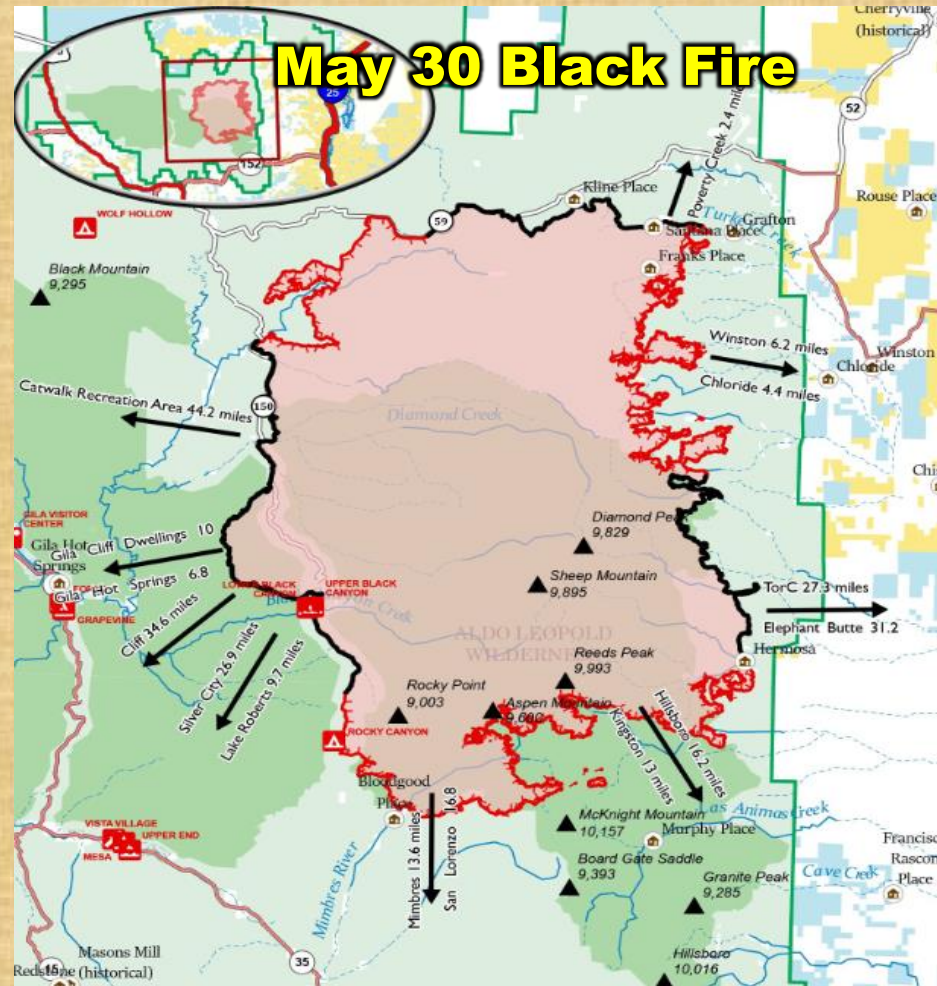
0+ Flashes
0- Flashes



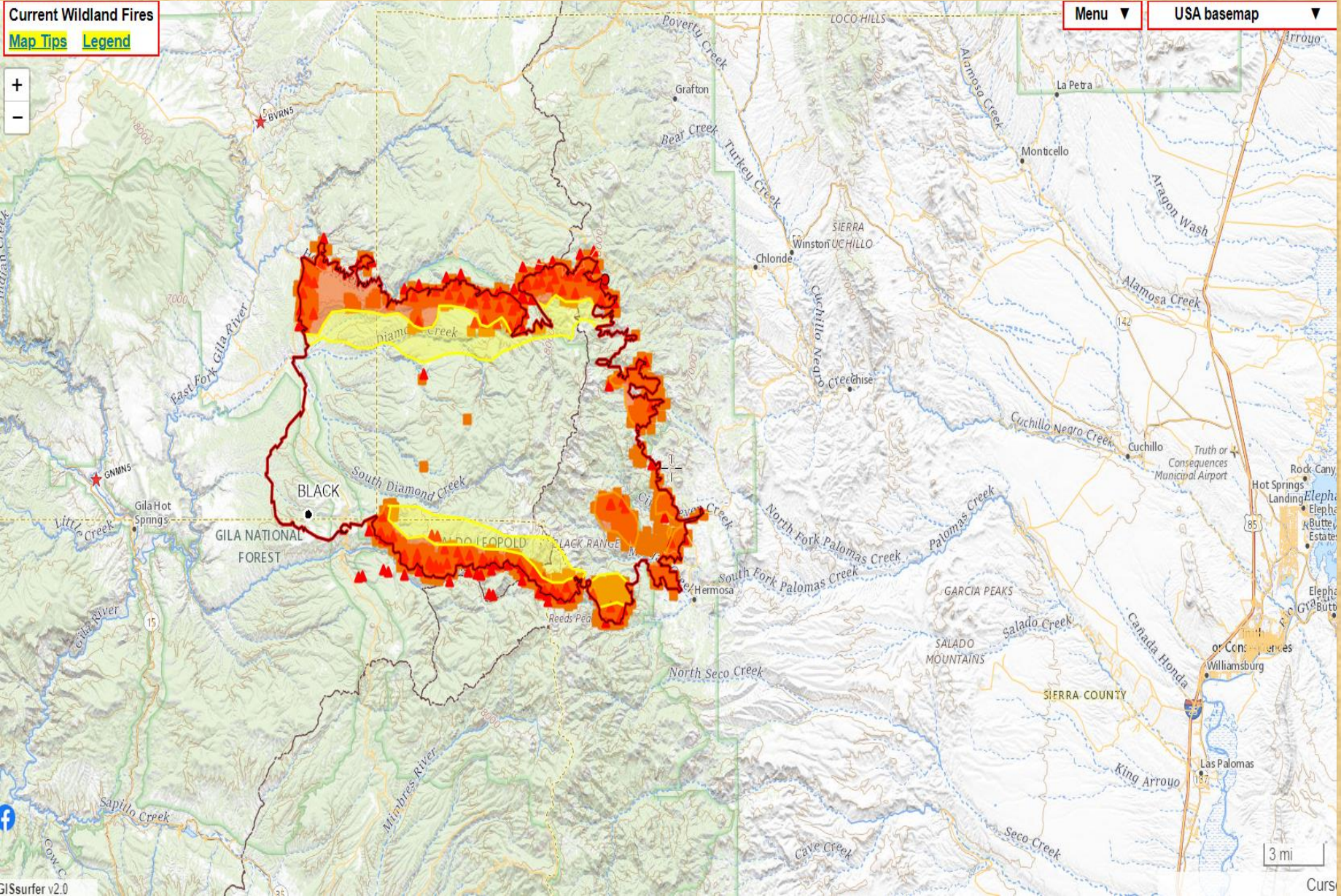
May 19 Black Fire



May 30 Black Fire



May 20 Black Fire



ENSO Alert System Status: La Niña Advisory in Affect

ENSO Alert System

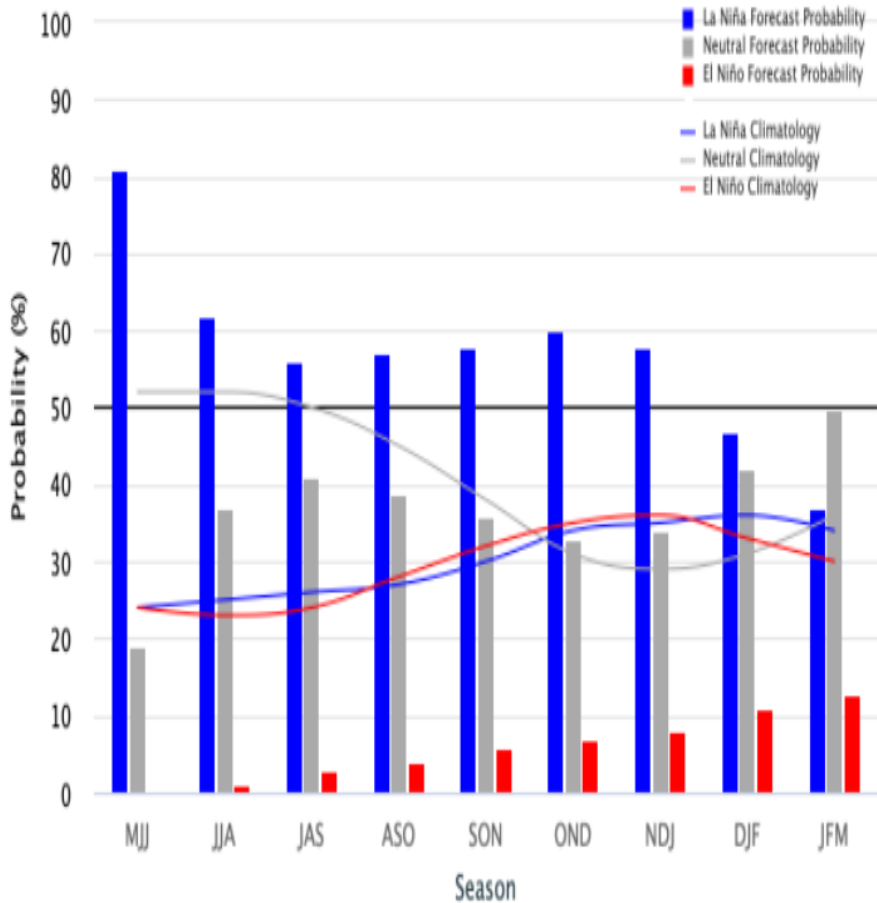
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

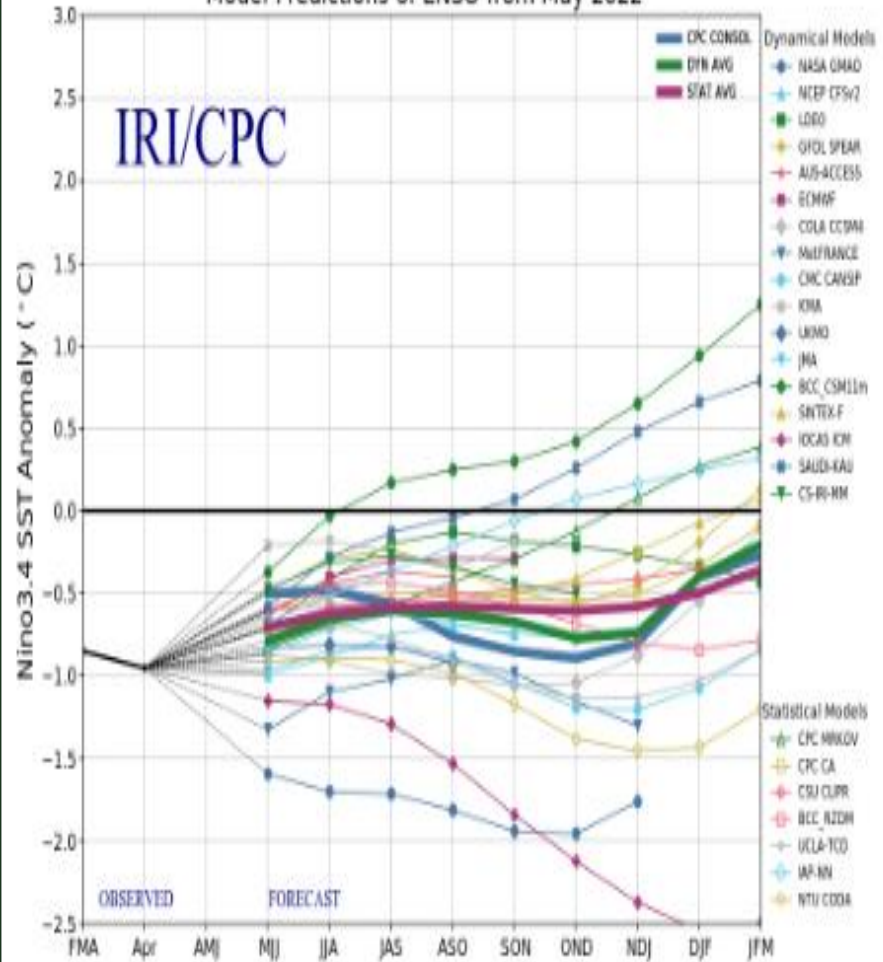
ENSO is in La Niña status. Forecast shows decent chance of La Niña lasting through this summer and into this fall, with slight tendencies towards neutral this winter.

Mid-May 2022 IRI/CPC Model-Based Probabilistic ENSO Forecasts

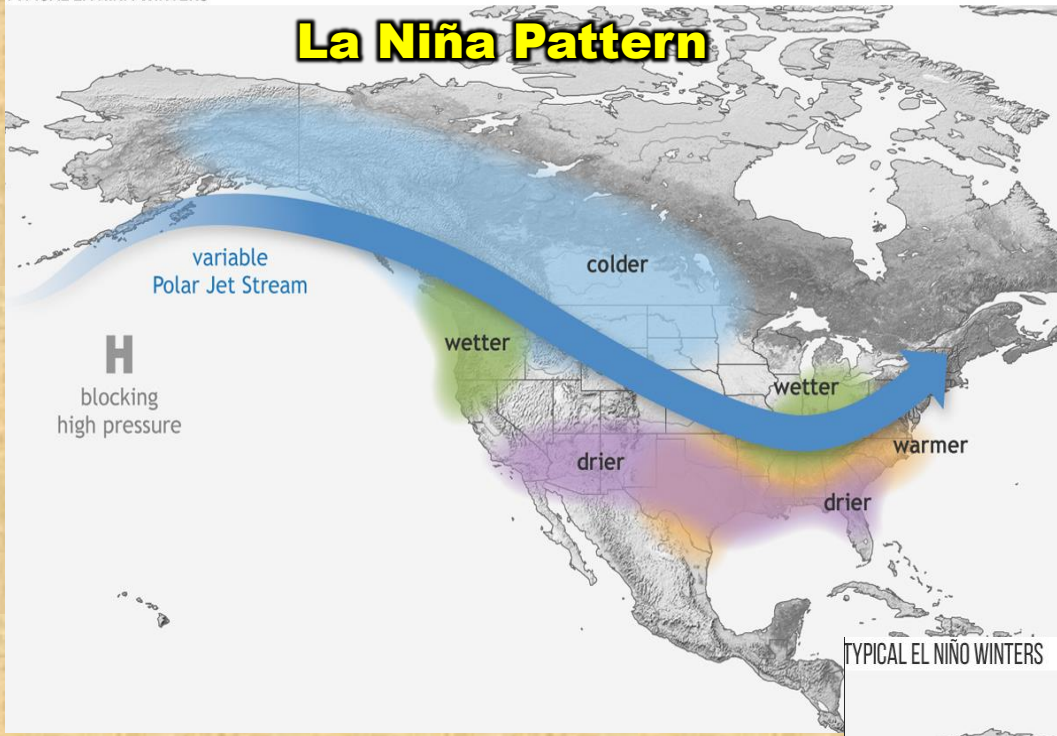
ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: -0.5 °C to 0.5 °C



Model Predictions of ENSO from May 2022

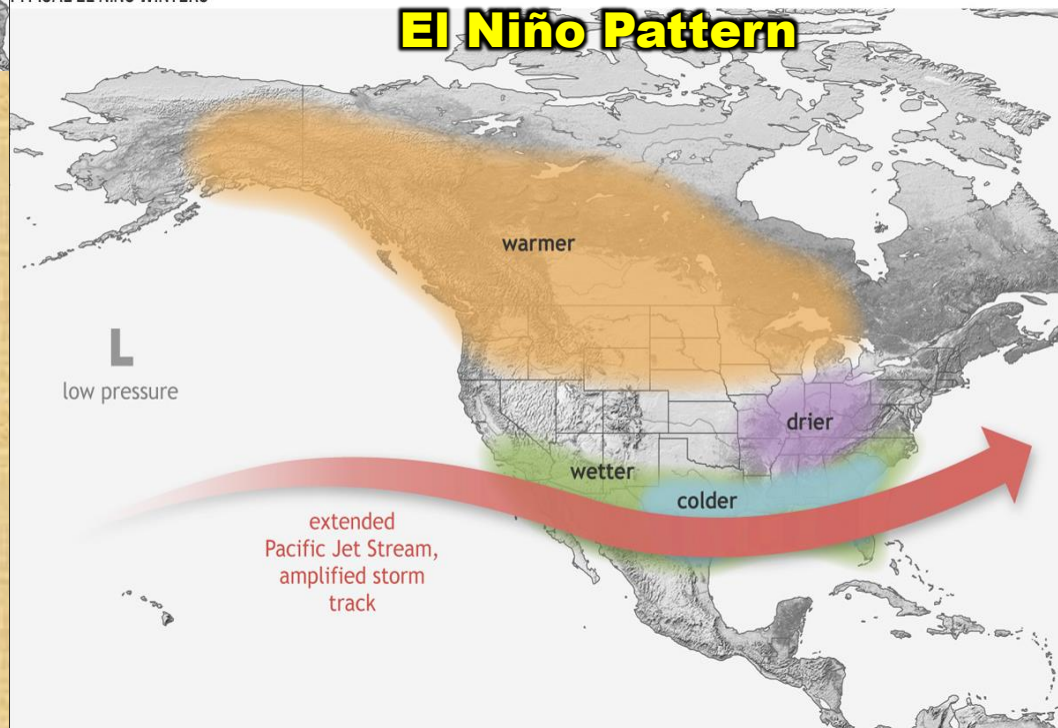


La Niña Pattern



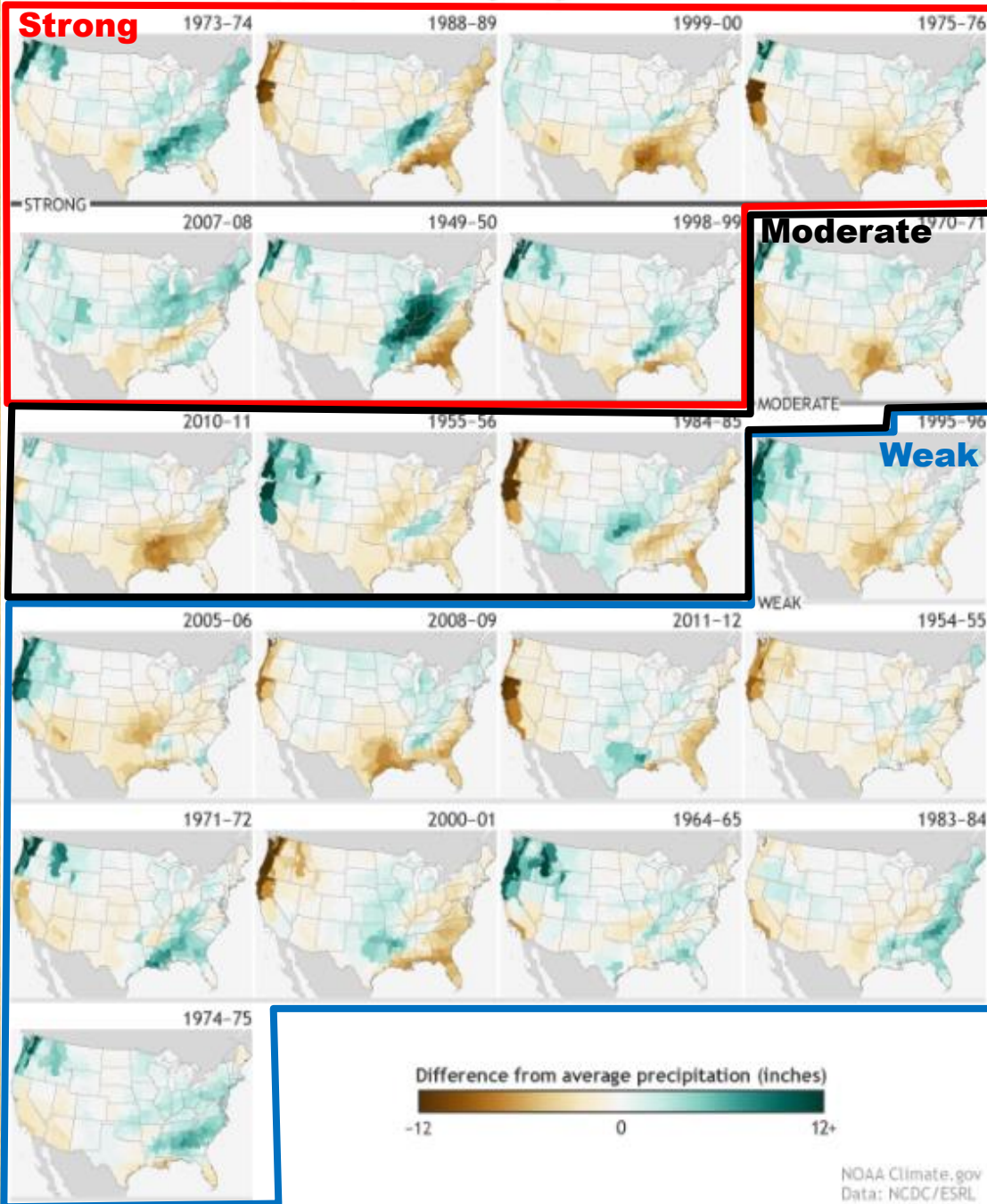
With a La Niña pattern, a ridge of high pressure tends to build off the west coast of the U.S., blocking most of our Pacific winter storm systems. These storms tend to end up moving across the northern Plains and down to the southeastern part of the country. Of course it is important to remember that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



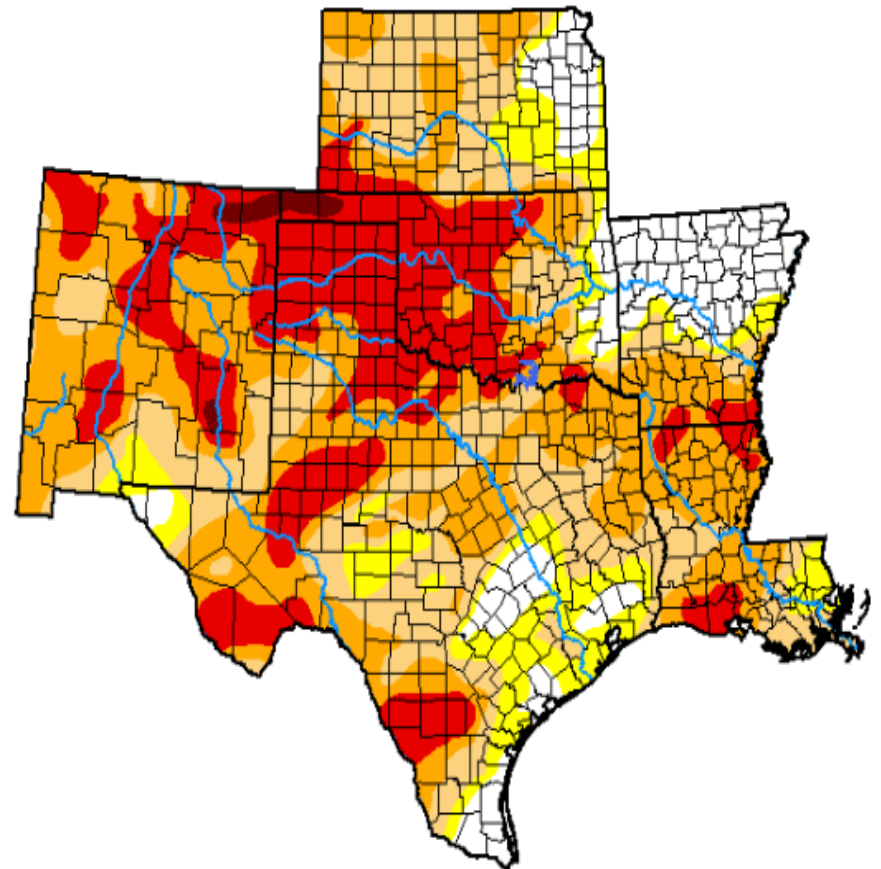
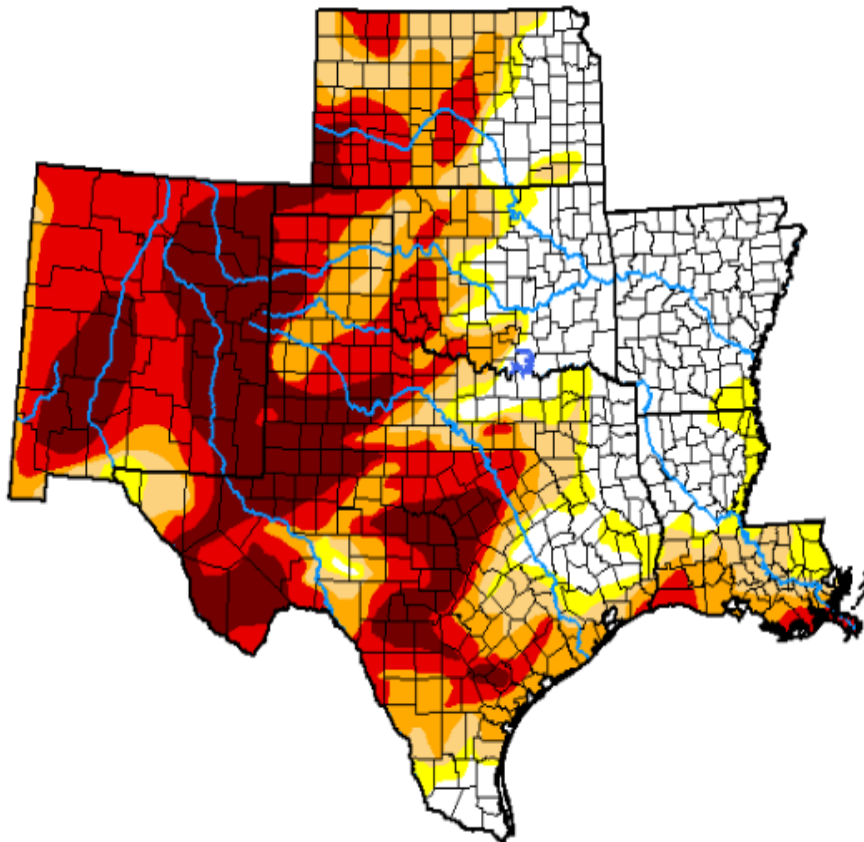
Examples of the numerous La Niña winters since 1950. These maps depict the departure from normal precipitation amounts for a winter.

Current drought conditions and 3 month change

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

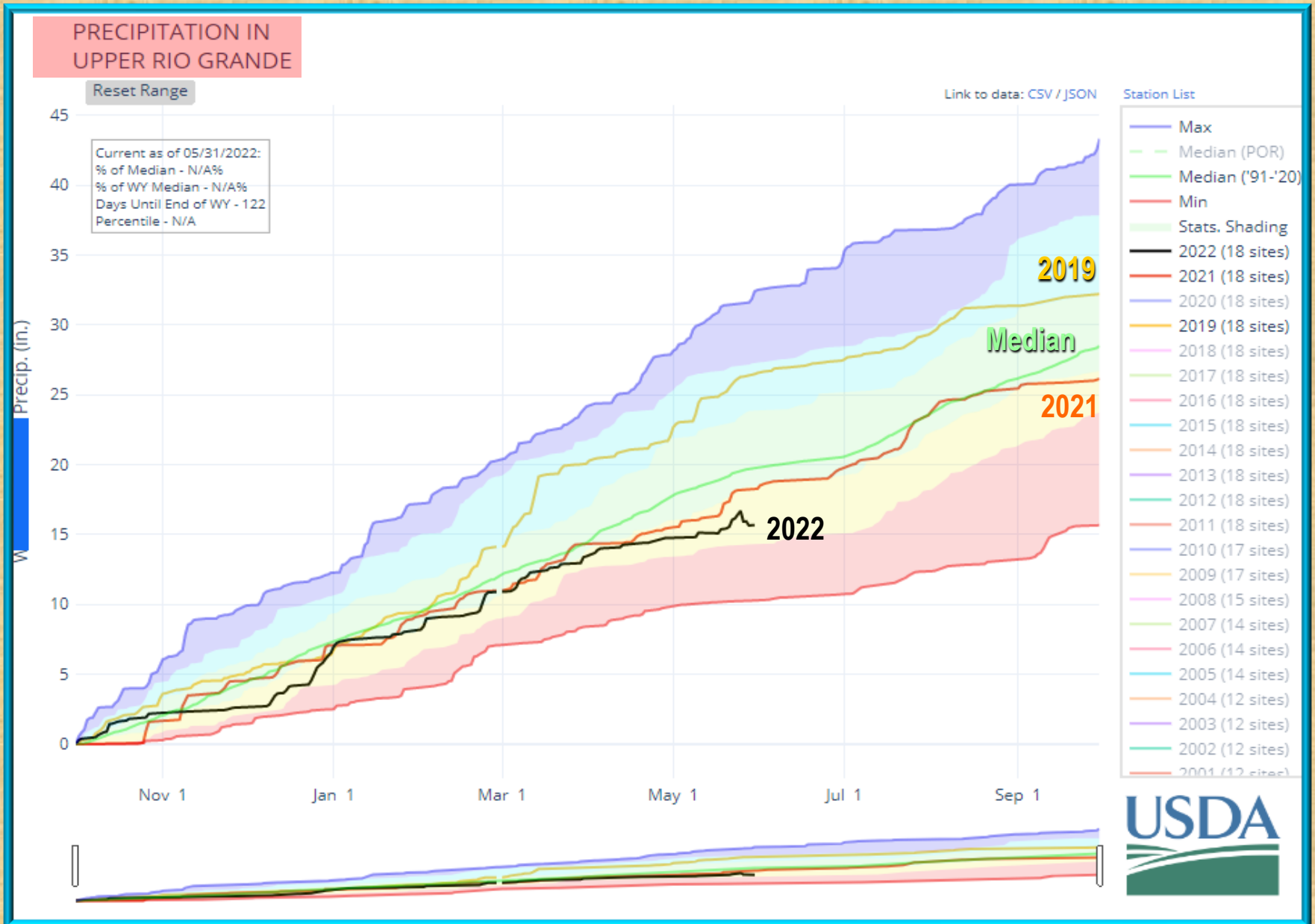
May 24, 2022

February 22, 2022



Precipitation for the Water Year Oct 1 – May 31, 2022

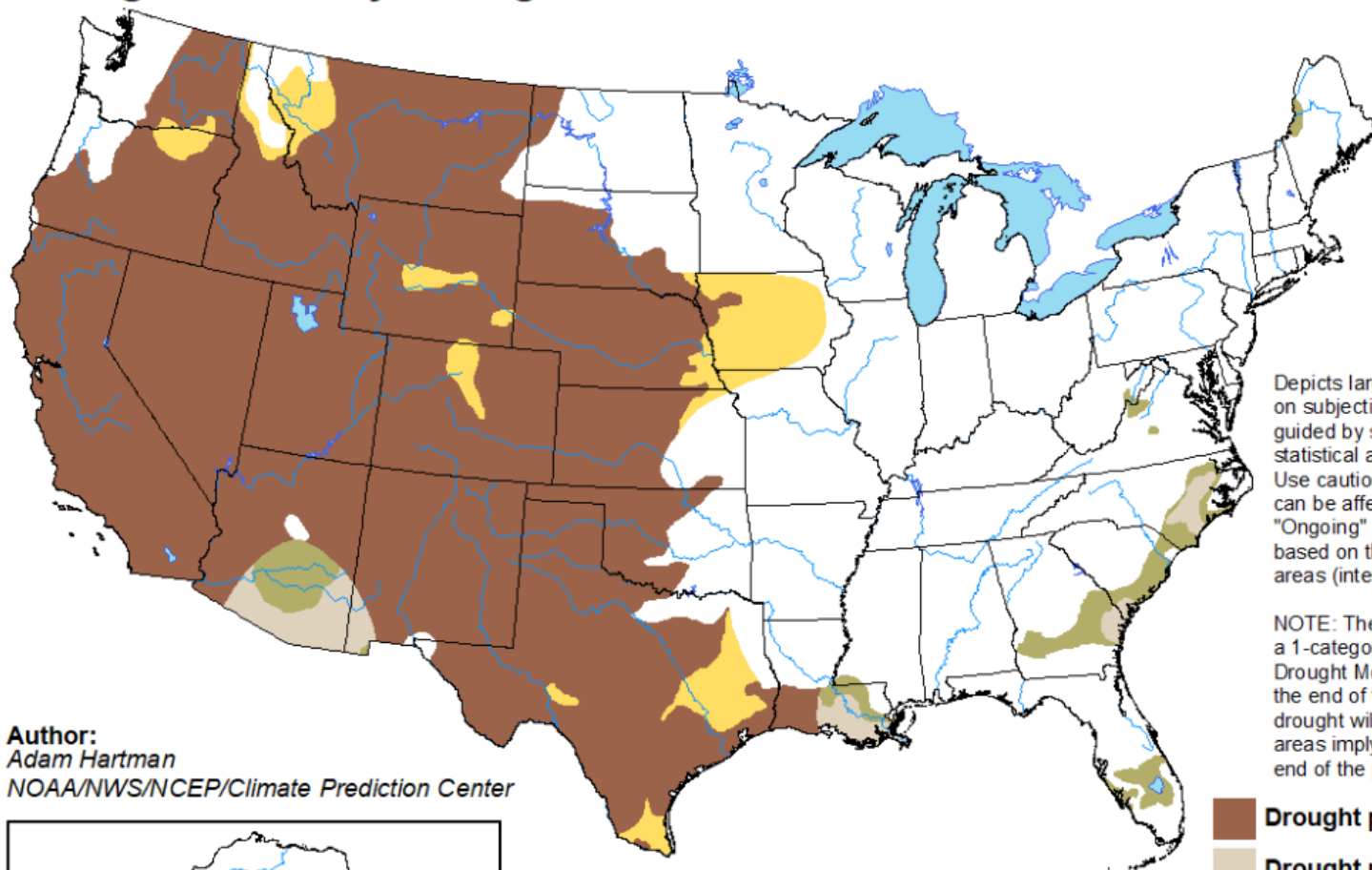
Compare to last few years and average values



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

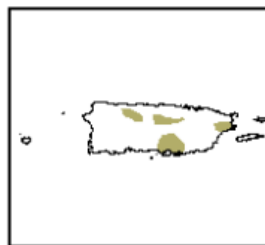
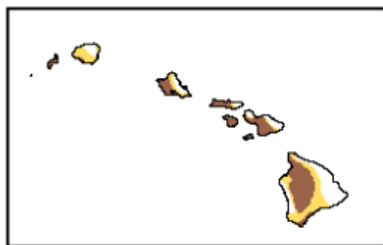
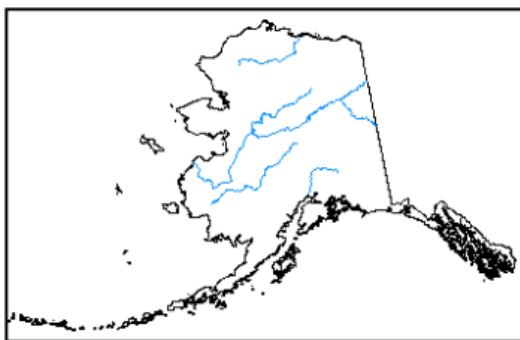
Valid for May 19 - August 31, 2022
Released May 19



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 Hartman
NOAA/NWS/NCEP/Climate Prediction Center



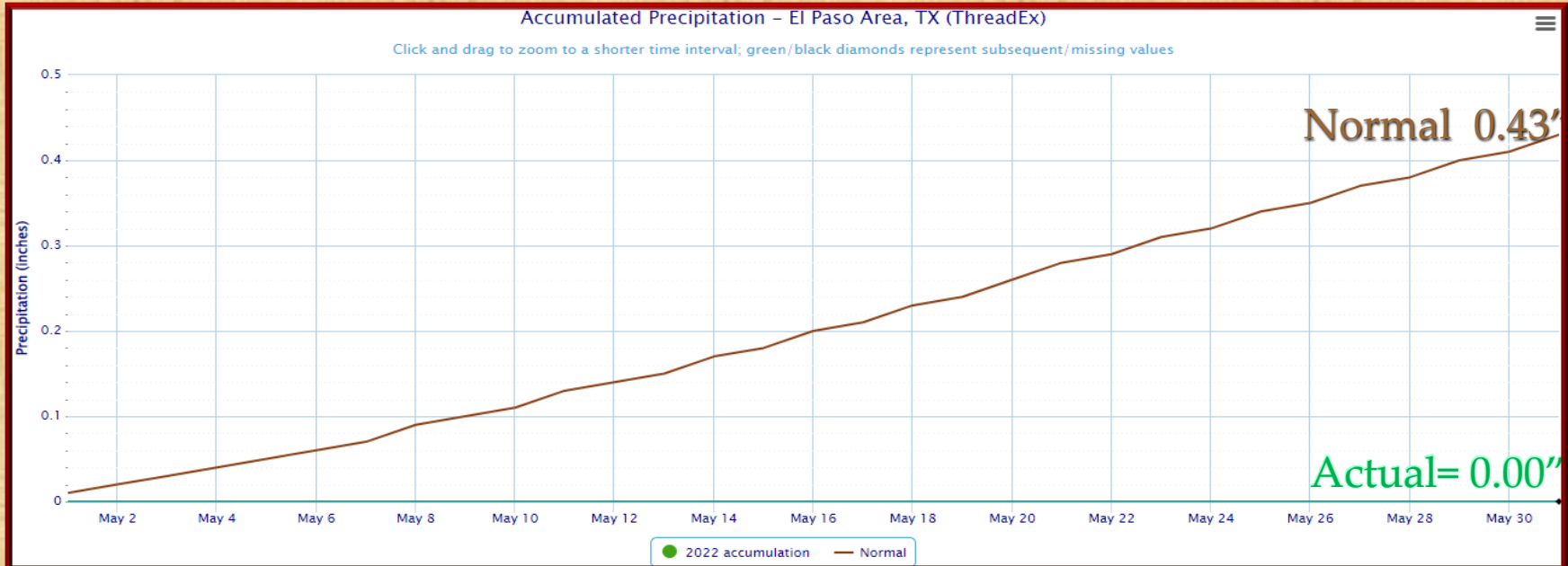
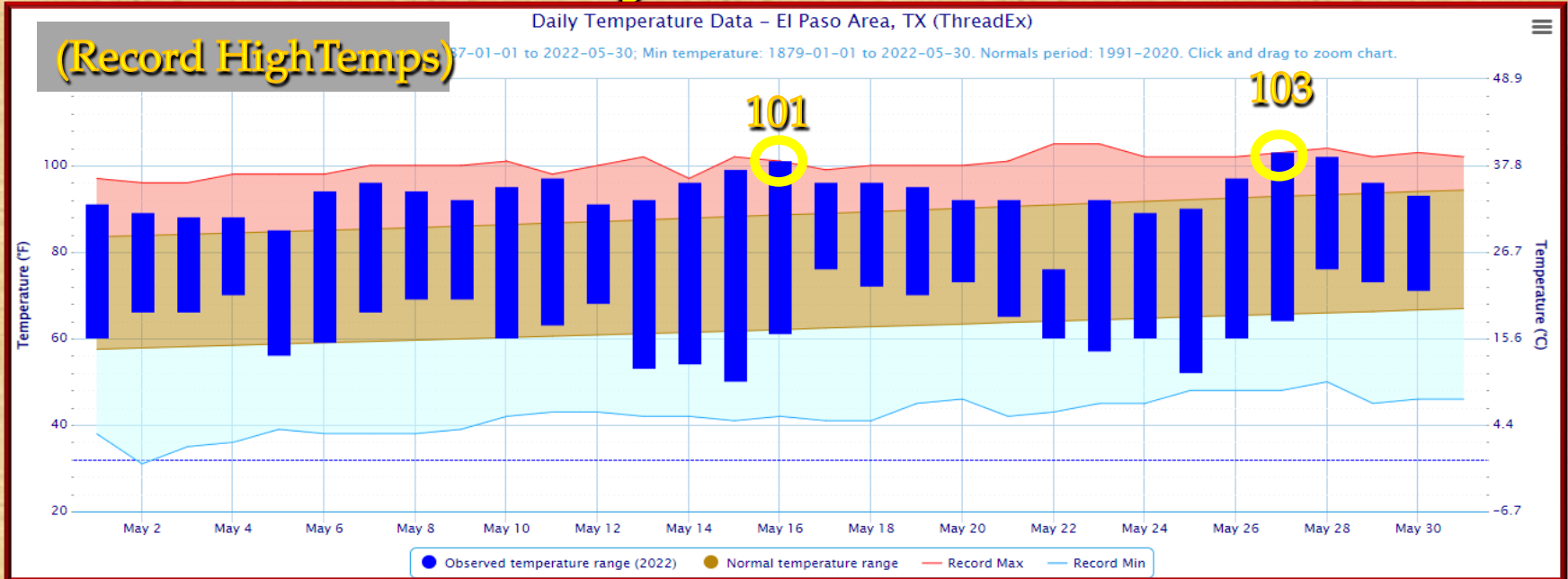
- Drought persists**
- Drought remains but improves**
- Drought removal likely**
- Drought development likely**



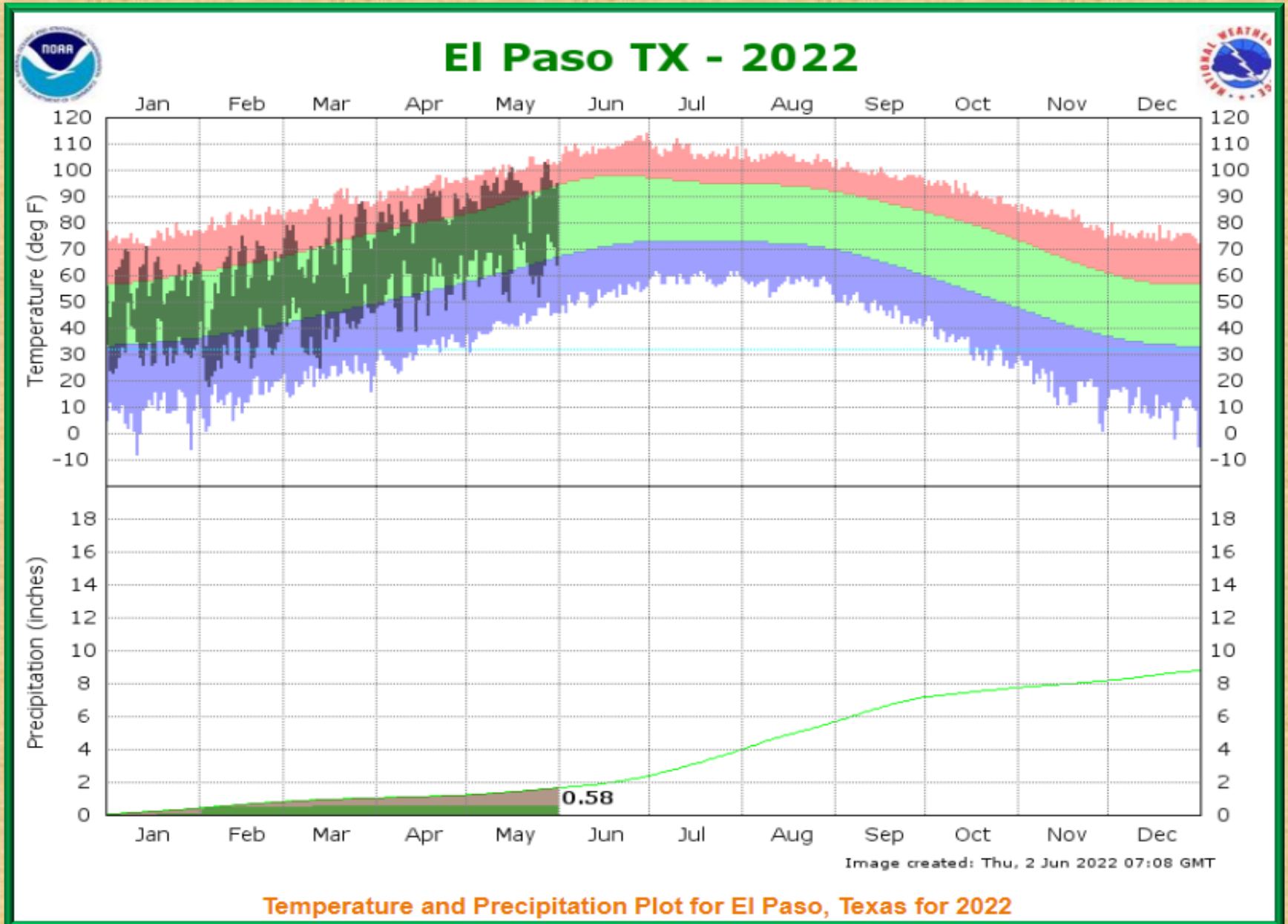
<http://go.usa.gov/3eZ73>

Temperature and precipitation data for May 2022 in El Paso

○ = record



2022: Temperature and Precipitation YTD Data for El Paso



Temperature and Precipitation Plot for El Paso, Texas for 2022

Temperature and precipitation outlook for June 2022

Temperature

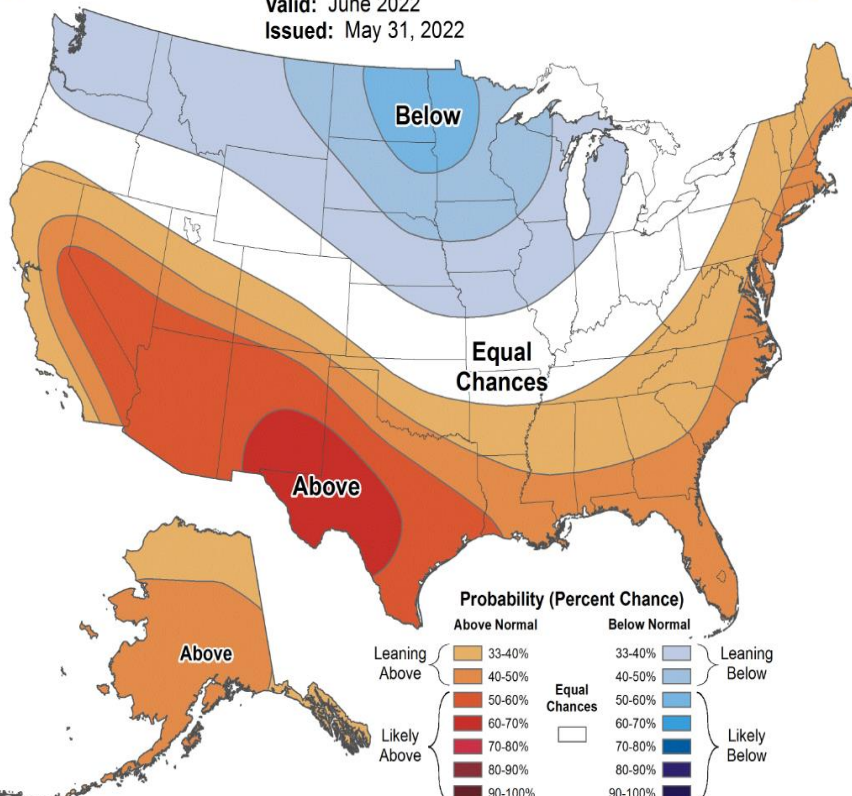
Precipitation



Monthly Temperature Outlook



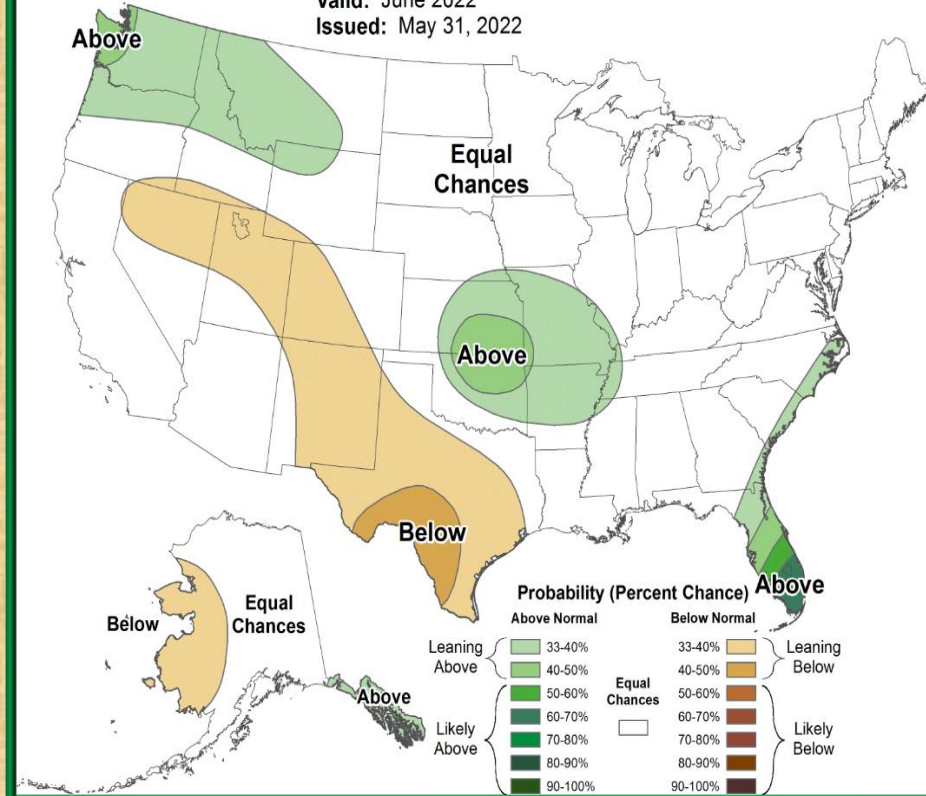
Valid: June 2022
Issued: May 31, 2022



Monthly Precipitation Outlook



Valid: June 2022
Issued: May 31, 2022



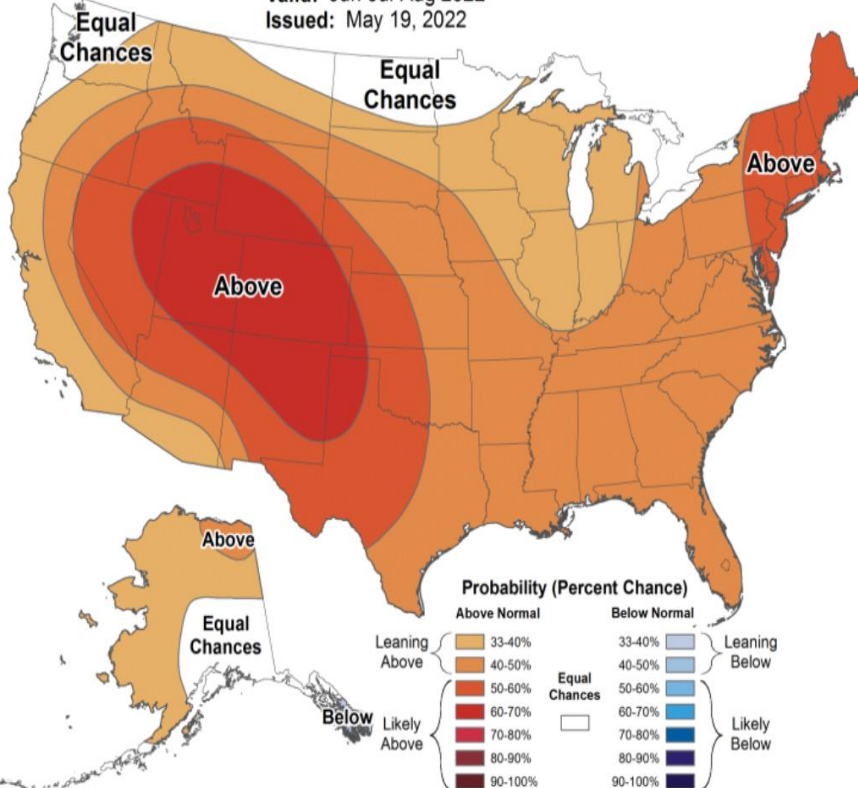
Temperature and precipitation outlook For June-August 2022

Temperature

Precipitation

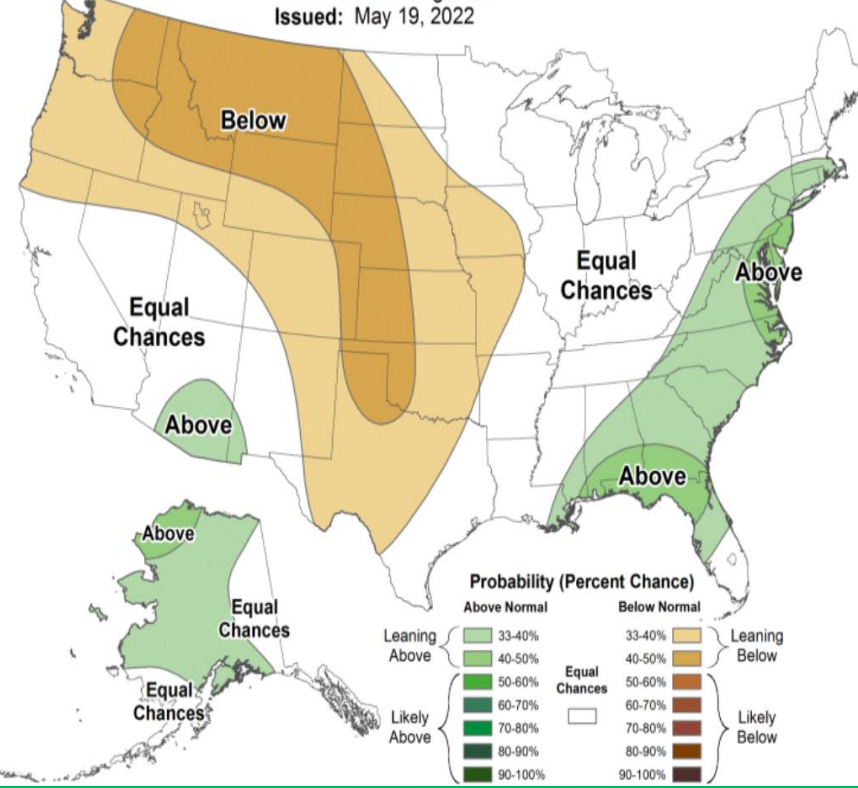
Seasonal Temperature Outlook

Valid: Jun-Jul-Aug 2022
Issued: May 19, 2022

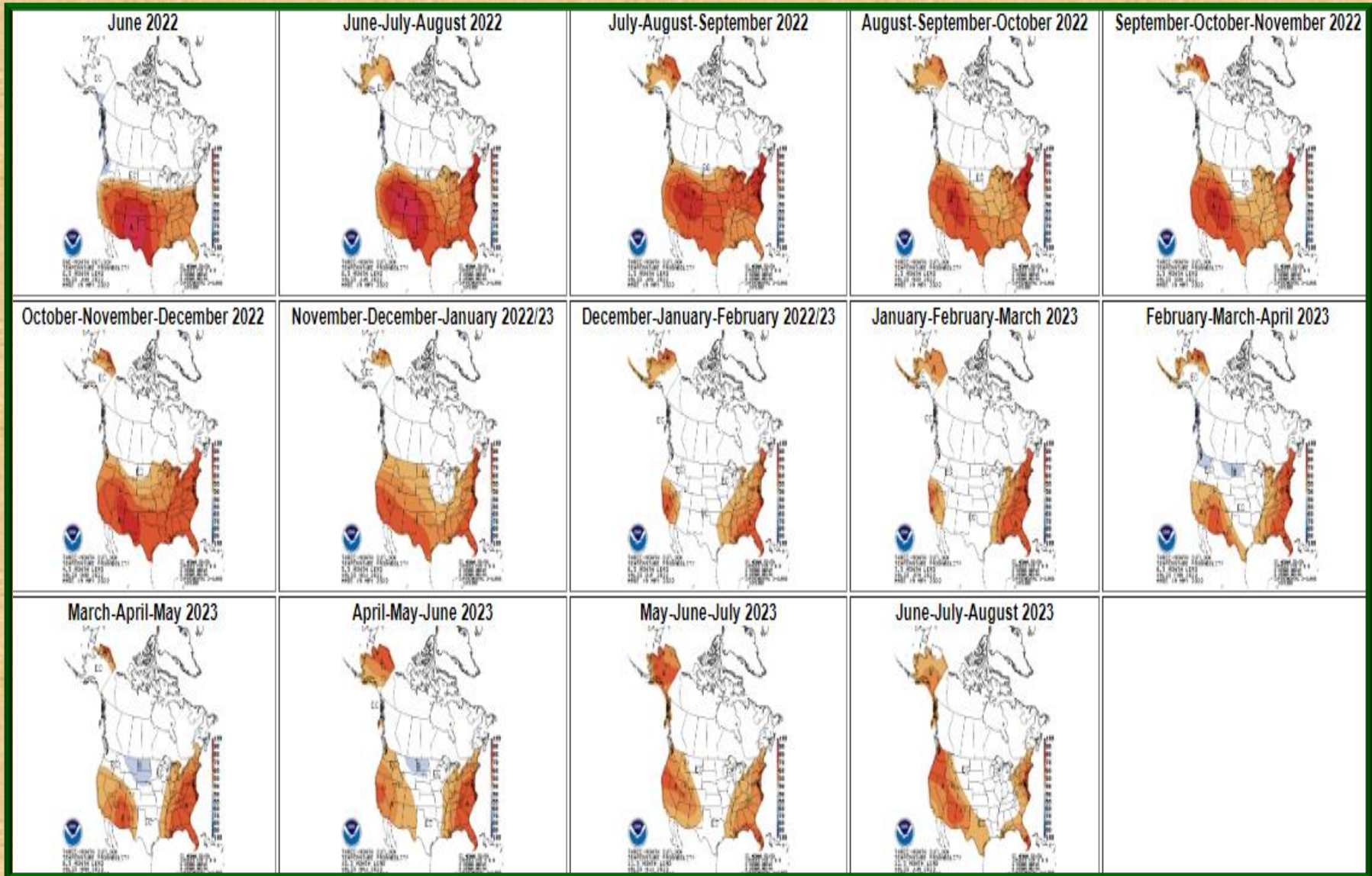


Seasonal Precipitation Outlook

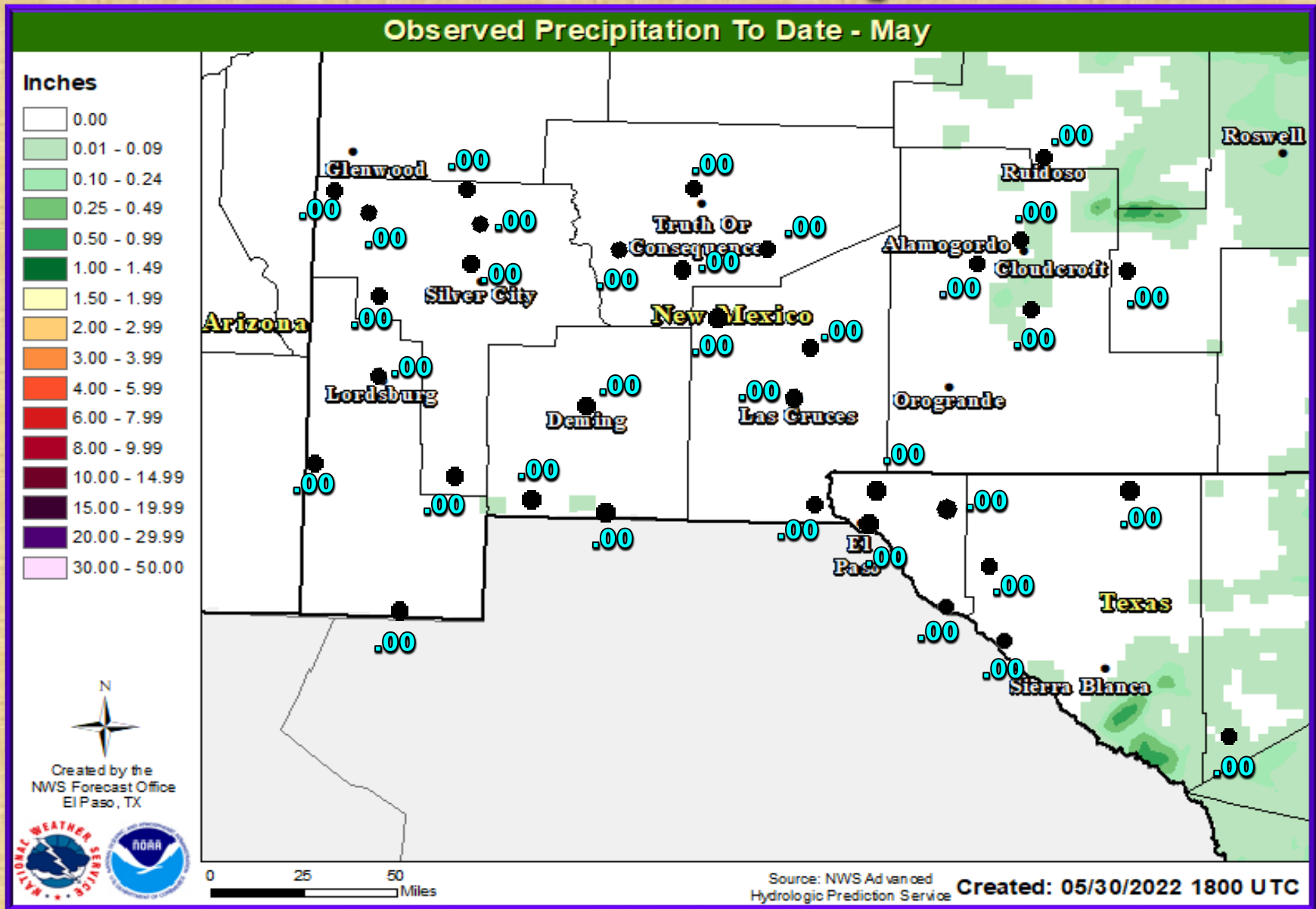
Valid: Jun-Jul-Aug 2022
Issued: May 19, 2022



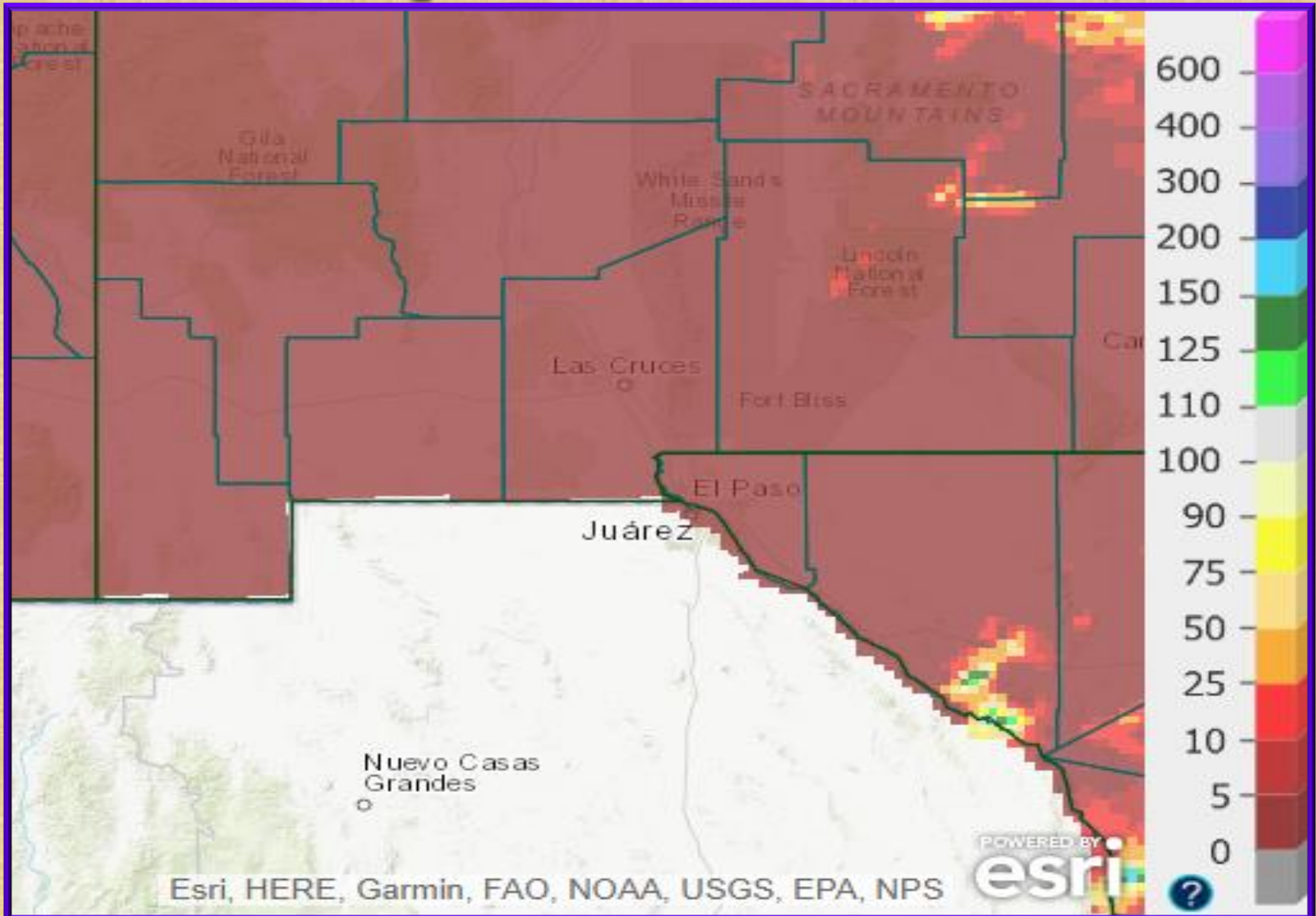
Temperature Outlook Through August 2023



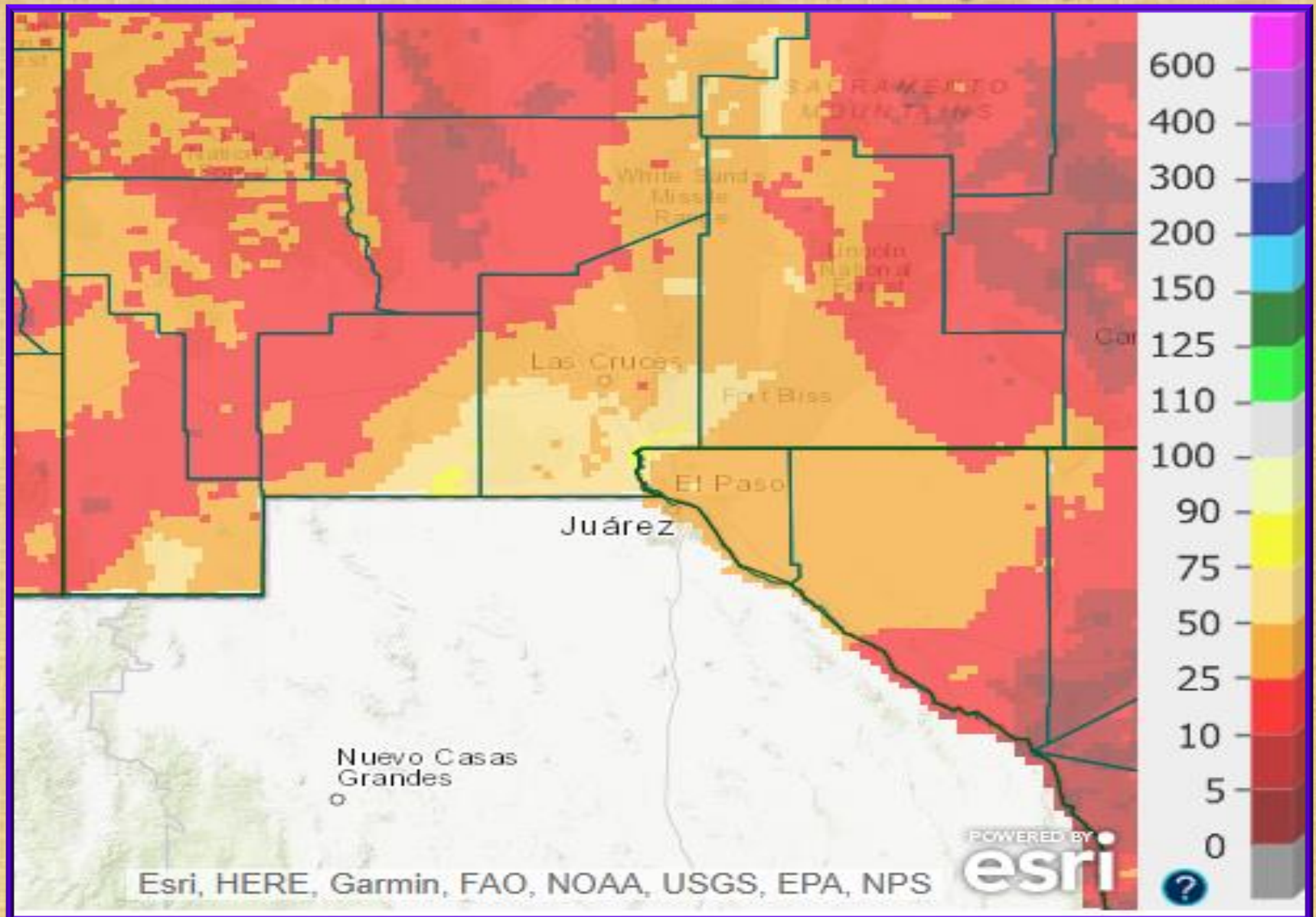
May 2022 radar rainfall estimate with surface rainfall reports



May 2022 rainfall estimate percent of normal



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

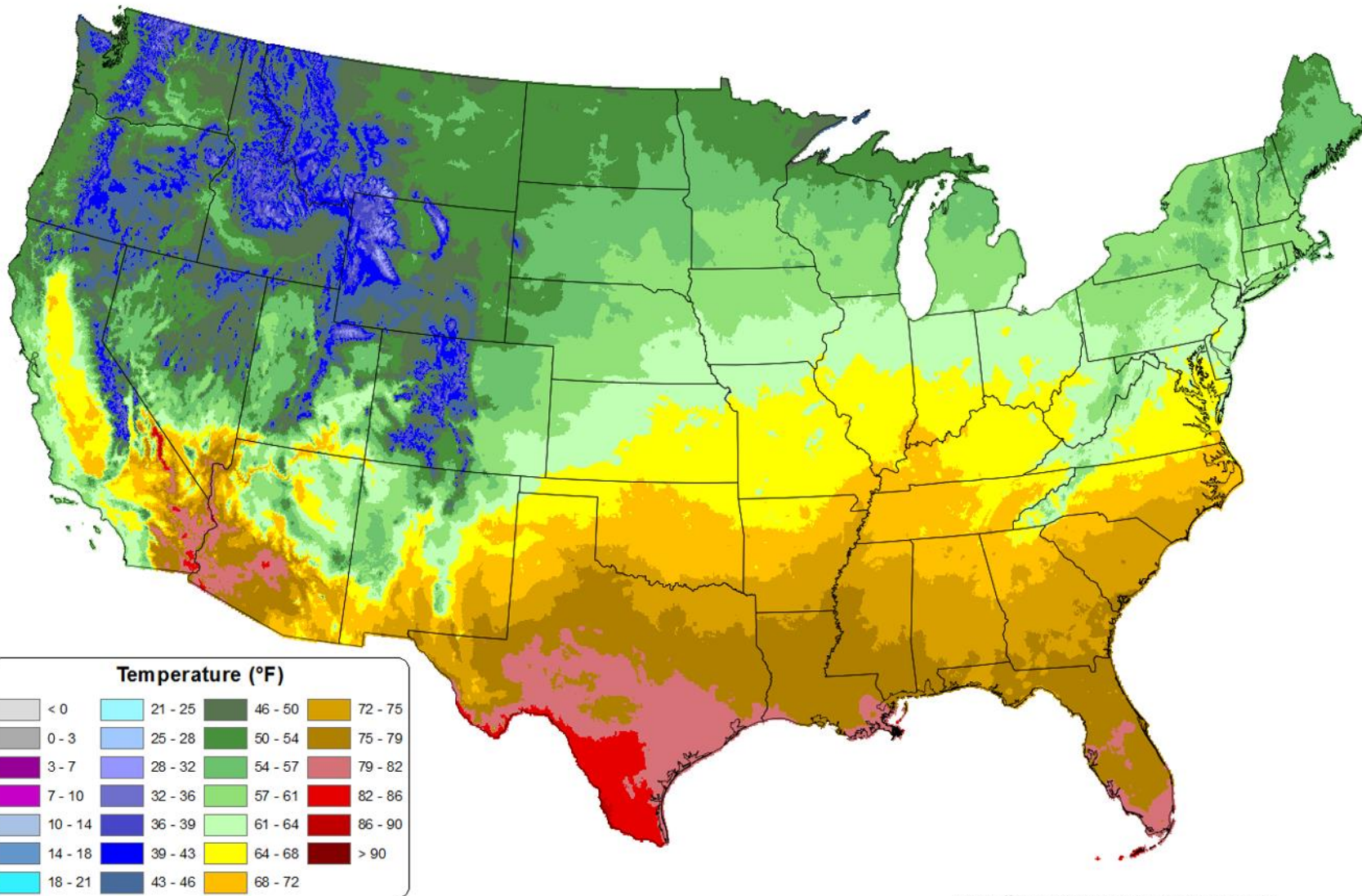


Average Daily Mean Temperature for May 2022

Average Daily Mean Temperature: 01 May 2022 - 30 May 2022

Period ending 7 AM EST 30 May 2022

(Map created 31 May 2022)

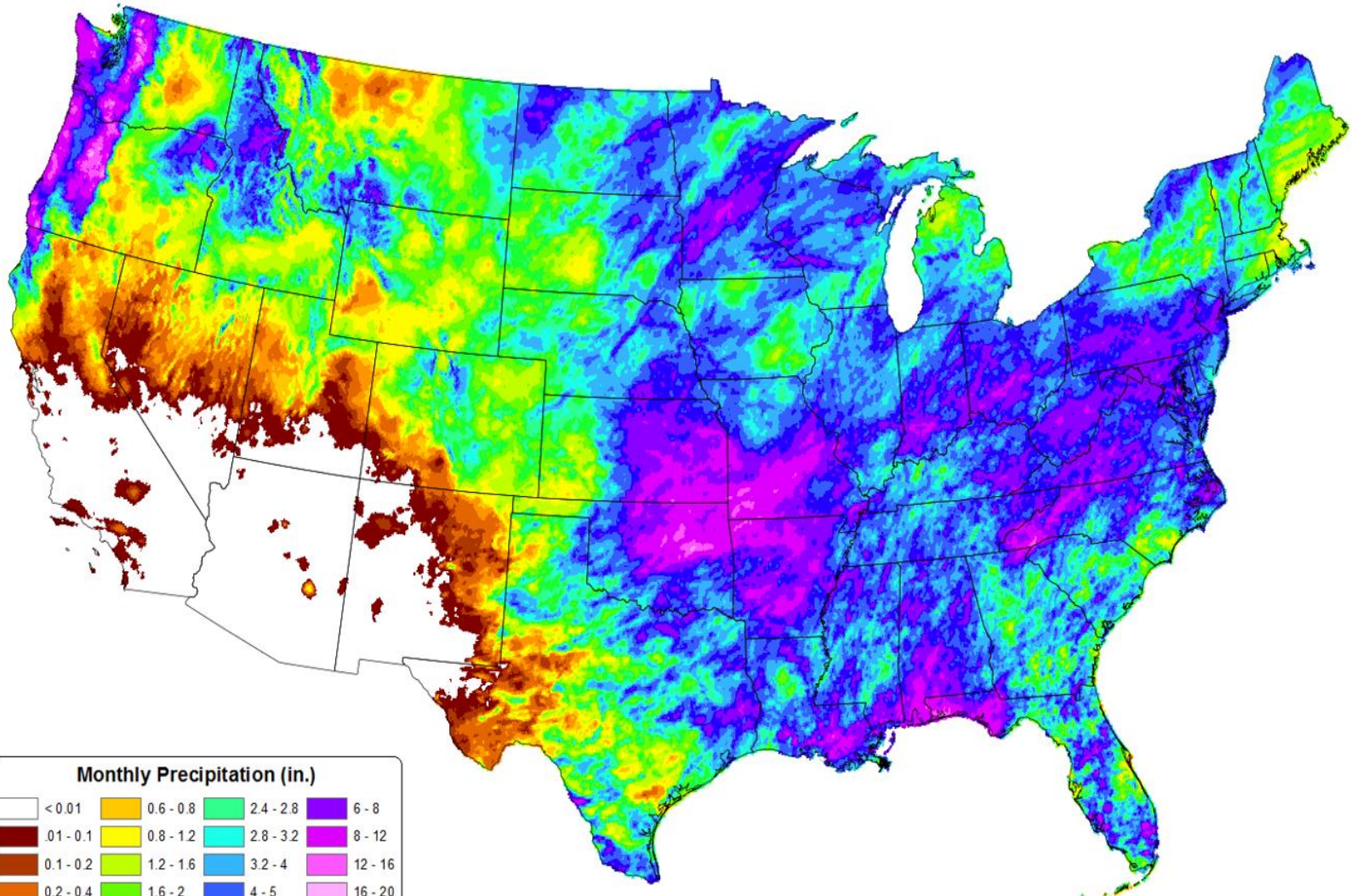


Total Precipitation for May 2022

Total Precipitation: 01 May 2022 - 30 May 2022

Period ending 7 AM EST 30 May 2022

(Map created 31 May 2022)



Selected Weather Reports May 2022

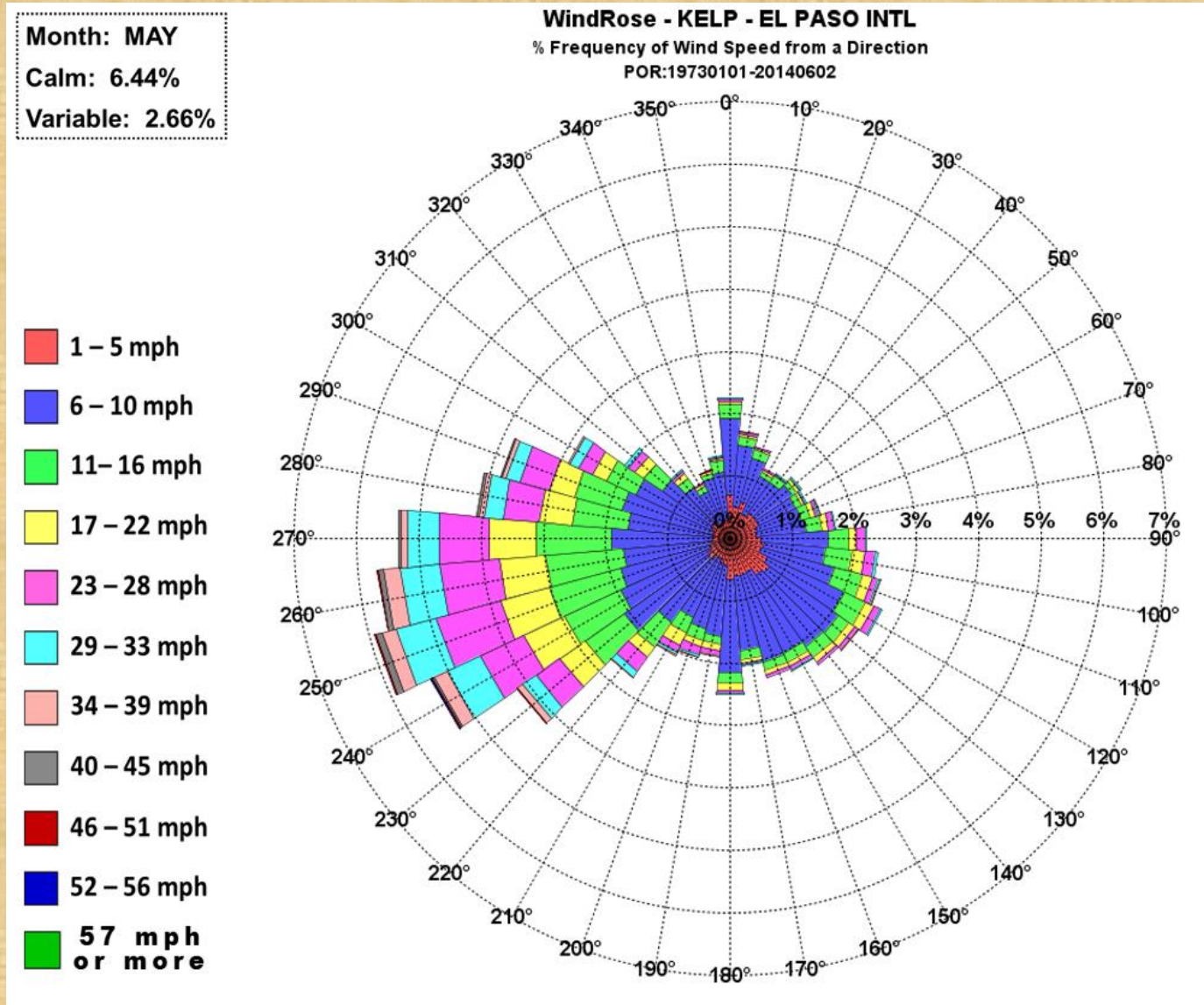
Date/Time	Location (County)	Event
MAY 8 450 PM	SAN AUGUSTIN PASS-DONA ANA	68 MPH PEAK WIND
MAY 8 440 PM	LORDSBURG PLAYA MP13-HIDALGO	47 MPH PEAK WIND
MAY 8 440 PM	HIGH ROLLS-OTERO	45 MPH PEAK WIND
MAY 8 650 PM	DEMING AIRPORT-LUNA	45 MPH PEAK WIND
MAY 8 541 PM	MESCALERO-OTERO	45 MPH PEAK WIND
MAY 8 300 PM	WSMR MAIN POST-DONA ANA	45 MPH PEAK WIND
MAY 8 600 PM	MAYHILL-OTERO	44 MPH PEAK WIND
MAY 8 400 PM	SPACEPORT AMERICA-SIERRA	44 MPH PEAK WIND
MAY 8 528 PM	EL PASO INTL AIRPORT-EL PASO	44 MPH PEAK WIND
MAY 8 521 PM	HOLLOMAN AFB-OTERO	44 MPH PEAK WIND
MAY 8 637 PM	T OR C AIRPORT-SIERRA	44 MPH PEAK WIND
MAY 8 426 PM	DRIPPING SPRINGS-DONA ANA	43 MPH PEAK WIND

Selected Weather Reports May 2022

Date/Time	Location (County)	Event
MAY 29 450 PM	WSMR MAIN POST-DONA ANA	59 MPH PEAK WIND
MAY 29 426 PM	DRIPPING SPRINGS-DONA ANA	50 MPH PEAK WIND
MAY 29 424 PM	EL PASO INTL AIRPORT-EL PASO	48 MPH PEAK WIND
MAY 29 549 PM	HIGH ROLLS-OTERO	47 MPH PEAK WIND
MAY 29 355 PM	LORDSBURG PLAYA MP13	47 MPH PEAK WIND
MAY 29 225 PM	SPACEPORT AMERICA-SIERRA	46 MPH PEAK WIND
MAY 29 331 PM	DEMING AIRPORT-LUNA	46 MPH PEAK WIND
MAY 29 441 PM	MESCALERO-OTERO	46 MPH PEAK WIND

Special Features

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



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
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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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Monthly Weather Digest
[Weather.gov > El Paso, TX > Monthly Weather Digest](#)

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	