

April 2024 Weather Digest



April 2024 Weather Summary

April turned out to be a dry month (averages second driest month of the year), as only Hidalgo and parts of Sierra Counties ended the month with above normal precipitation. Most of the remainder of the area saw about 10-50% of normal for April. A Pacific storm that moved through the area on April 1/2 producing most or all precipitation for the month. Though much of the surrounding area was also below normal for the month, only far southern New Mexico and far west Texas remain in severe or extreme drought. The rest of the surrounding areas were in abnormally dry to moderate drought. Fortunately, the outlook through the end of July keeps us in drought as is continuing, and not worsening.

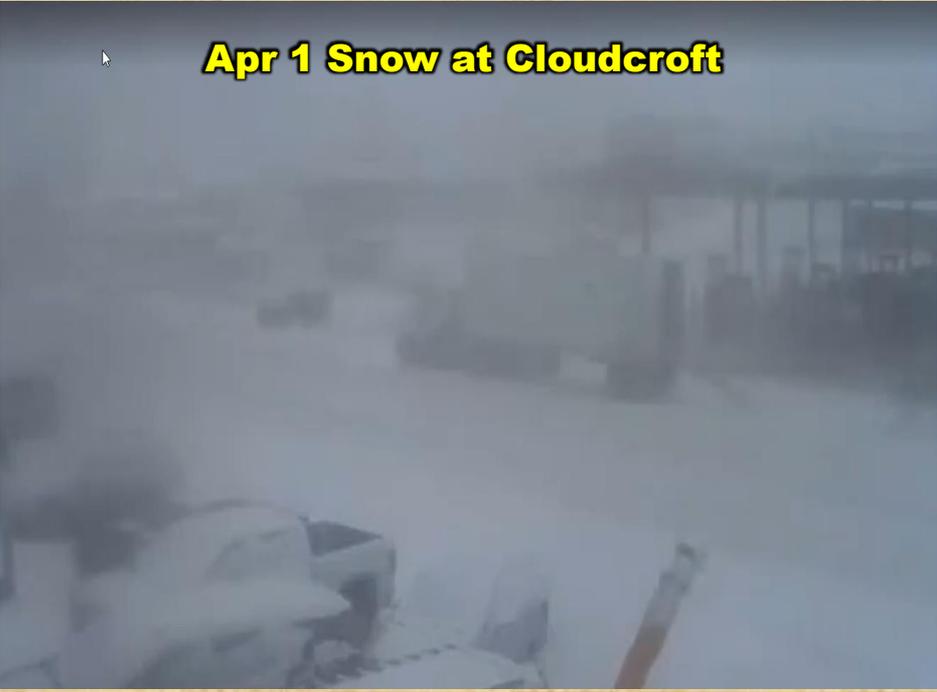
Temperatures for the month ranged from near normal to slightly below normal. April, mostly known for it's windy days, did not disappoint this year. Very windy days occurred on April 6, 15, 25, and 27, all with wind gusts ranging from 40 to 70 mph.

April 2024 Weather Summary

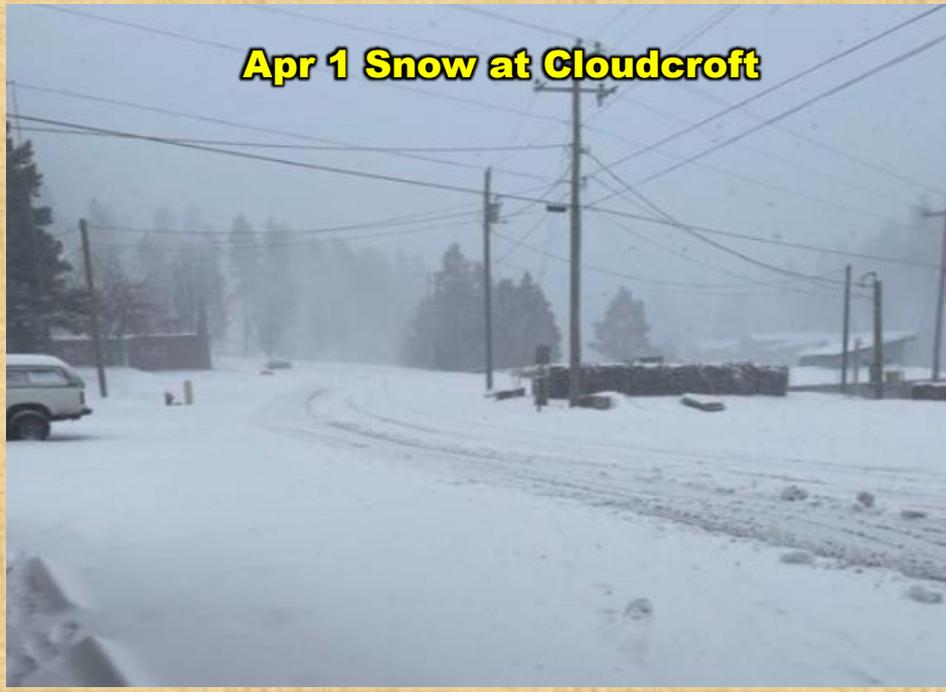
Looking ahead to May, warmth and daylight continue to increase. The average high temperature at El Paso begins the month at 84 degrees, warming to 94 degrees on the last day of May. Length of daylight on the 1st is 13 hours, 26 mins; by the 31st daylight has increased to 14 hours, 5 mins. Though our average first 100 deg day at El Paso doesn't occur until June 13th, we reach 100 degrees in June about 1 out of every 5 or 6 year. The average first day of 95+ degrees at El Paso is May 20.

Moving over to the celestial side, May's full moon occurs on the 23 at 953am, also known as the Flower Moon. The New Moon occurs on the 7th. There are no Solar or Lunar Eclipses for May and in fact we don't see another eclipse until September, when a partial Lunar Eclipse occurs.

Apr 1 Snow at Cloudcroft



Apr 1 Snow at Cloudcroft



Apr 1 Snow at Cloudcroft



Apr 1 Snow near Mescalero



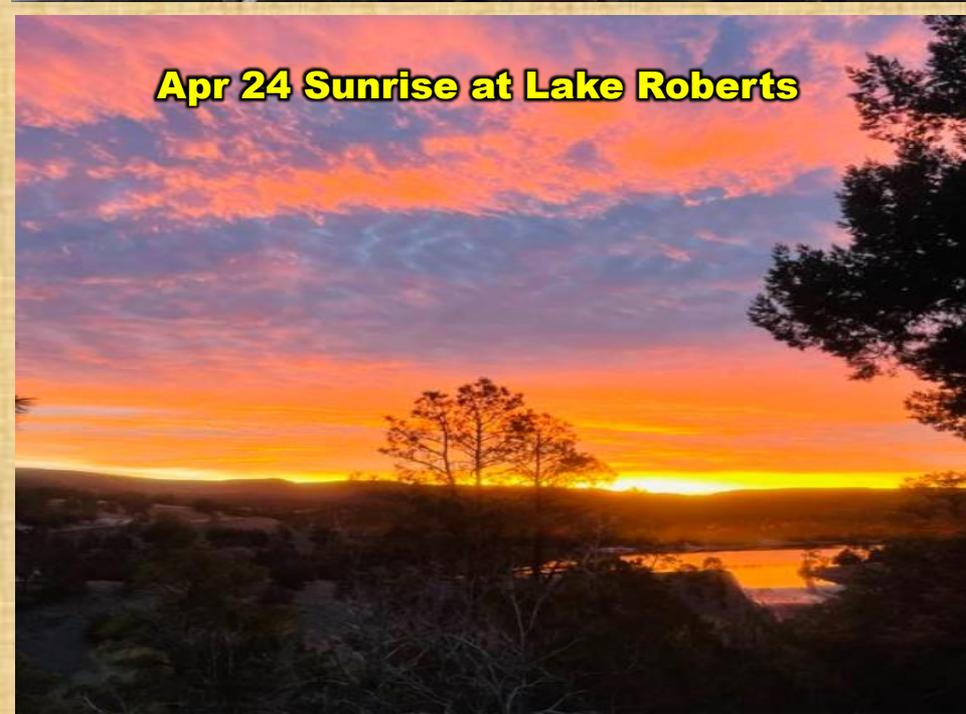
**Apr 1 Wildfire smoke at
Lake Roberts**



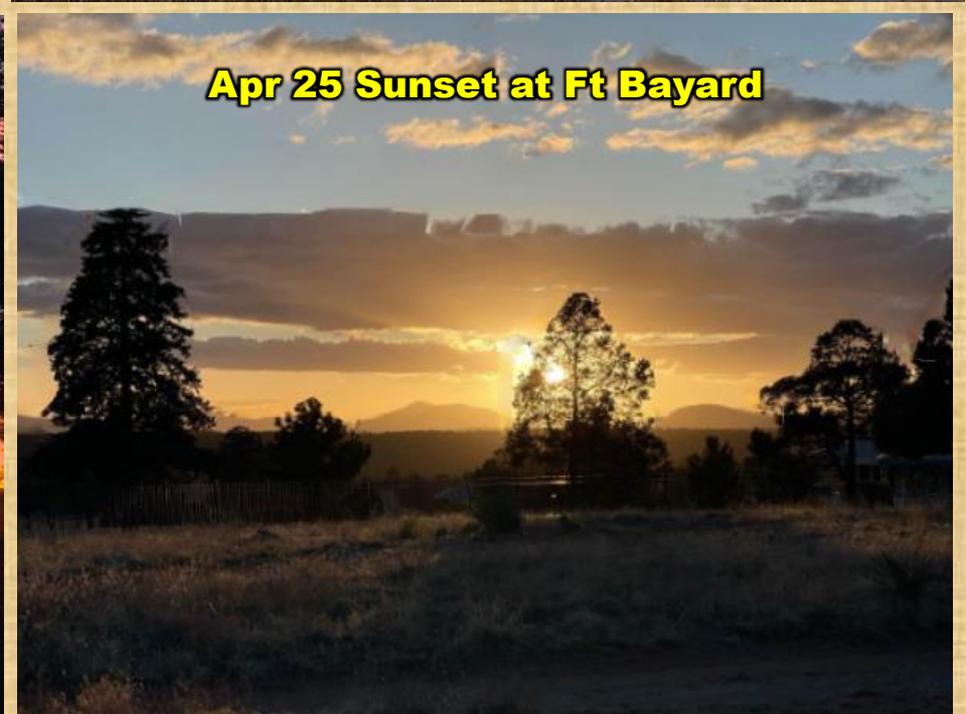
Apr 1 Snow on the Organs



Apr 24 Sunrise at Lake Roberts



Apr 25 Sunset at Ft Bayard



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

ENSO Alert System

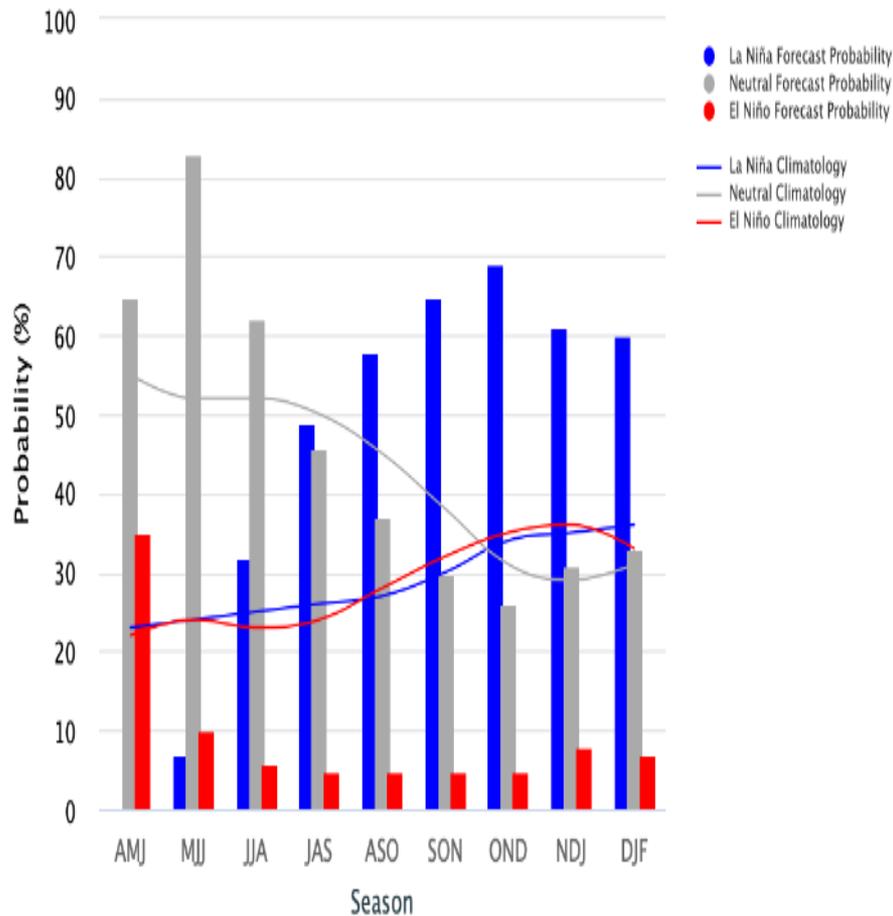
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

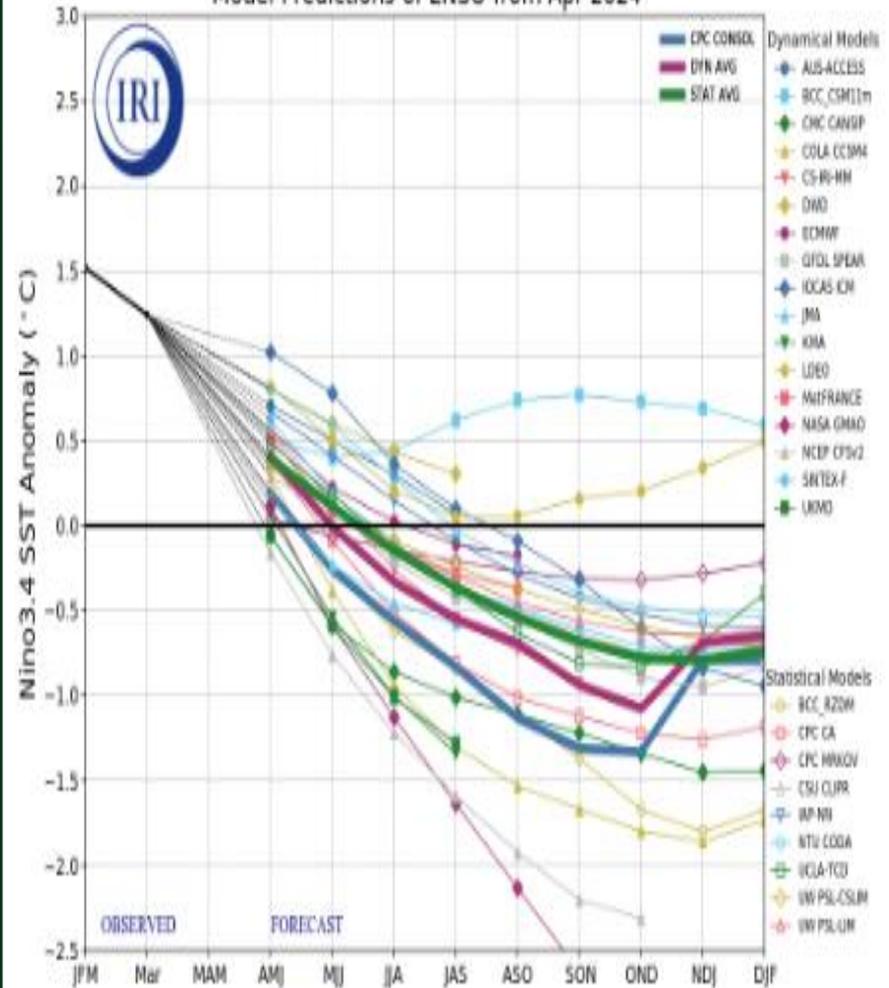
ENSO is in El Niño phase and is expected to transition to neutral by the beginning of this summer; and likely back to La Niña by the end of summer.

Mid-April 2024 IRI Model-Based Probabilistic ENSO Forecasts

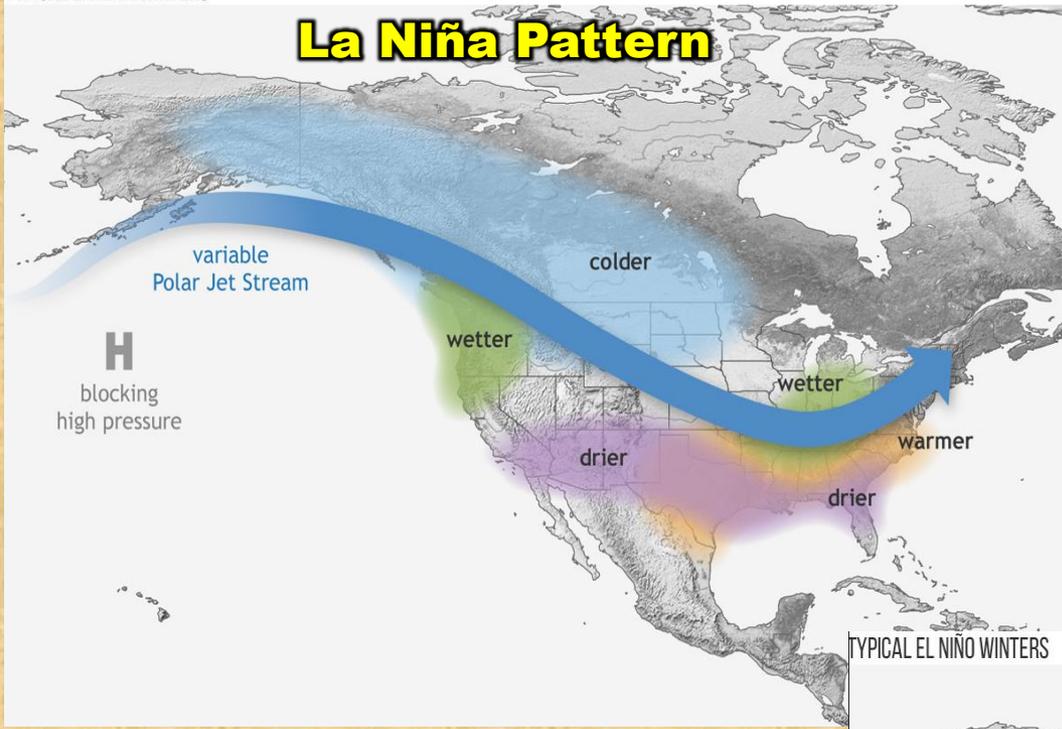
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5°C to 0.5°C



Model Predictions of ENSO from Apr 2024



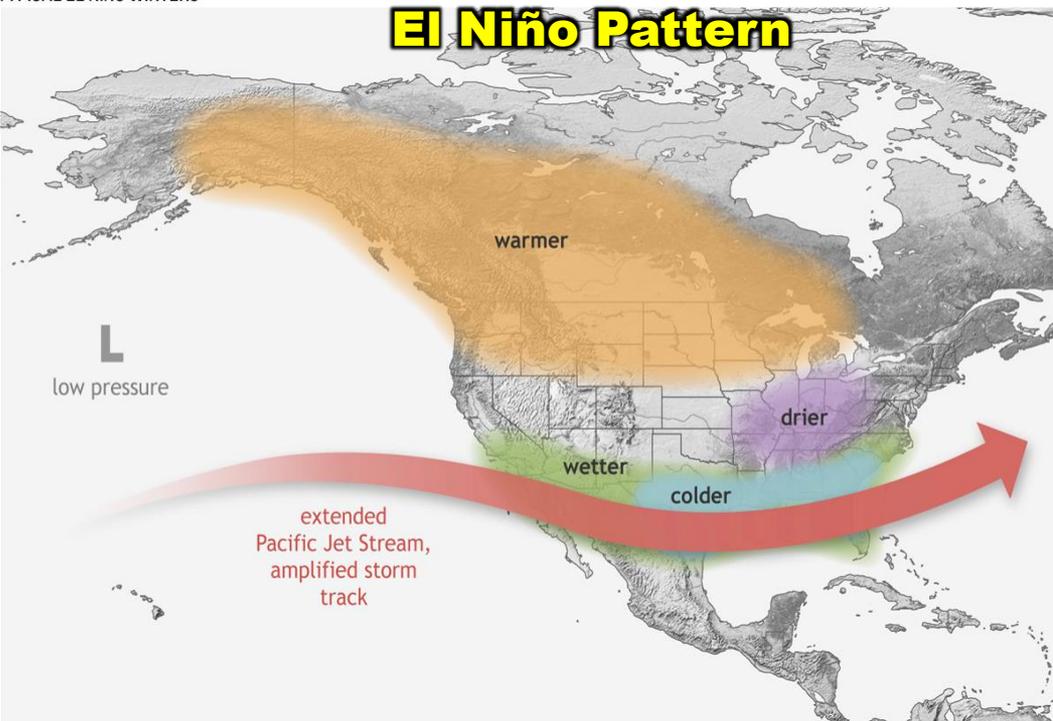
La Niña Pattern



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.

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.

El Niño Pattern

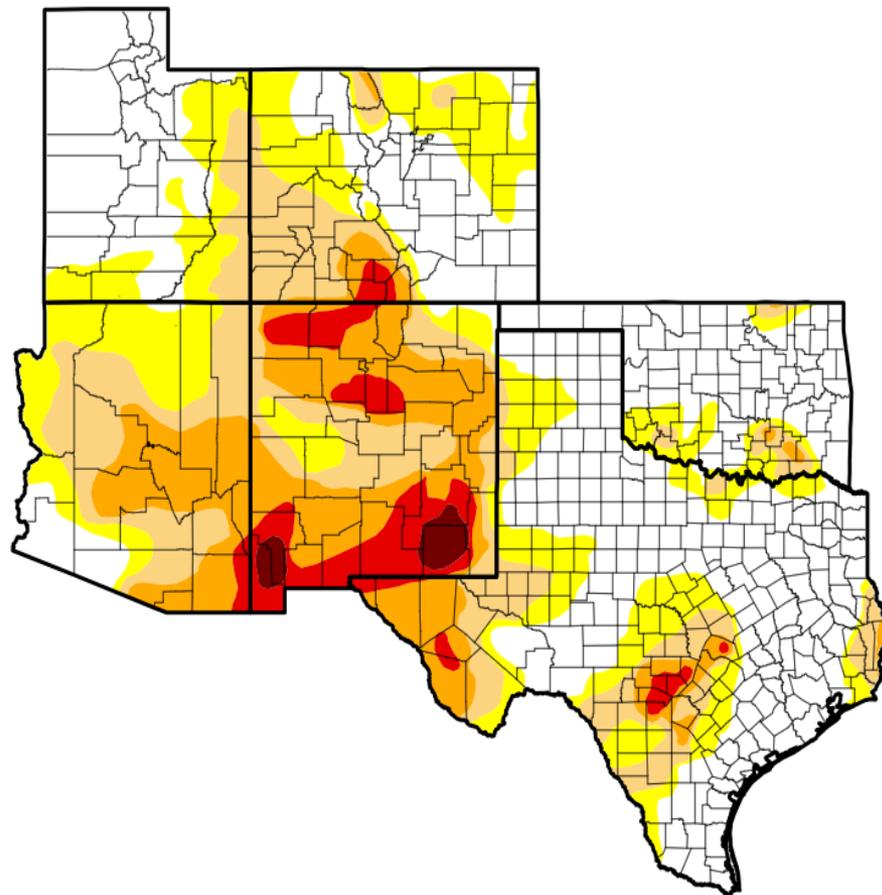
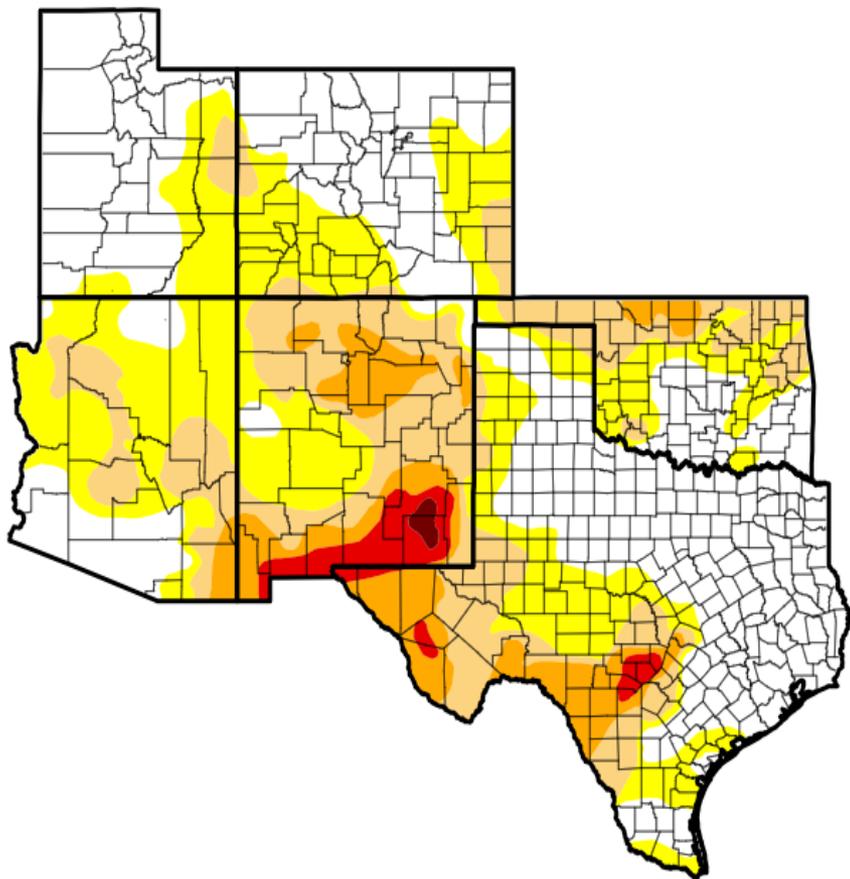


Current drought conditions and 3 month change

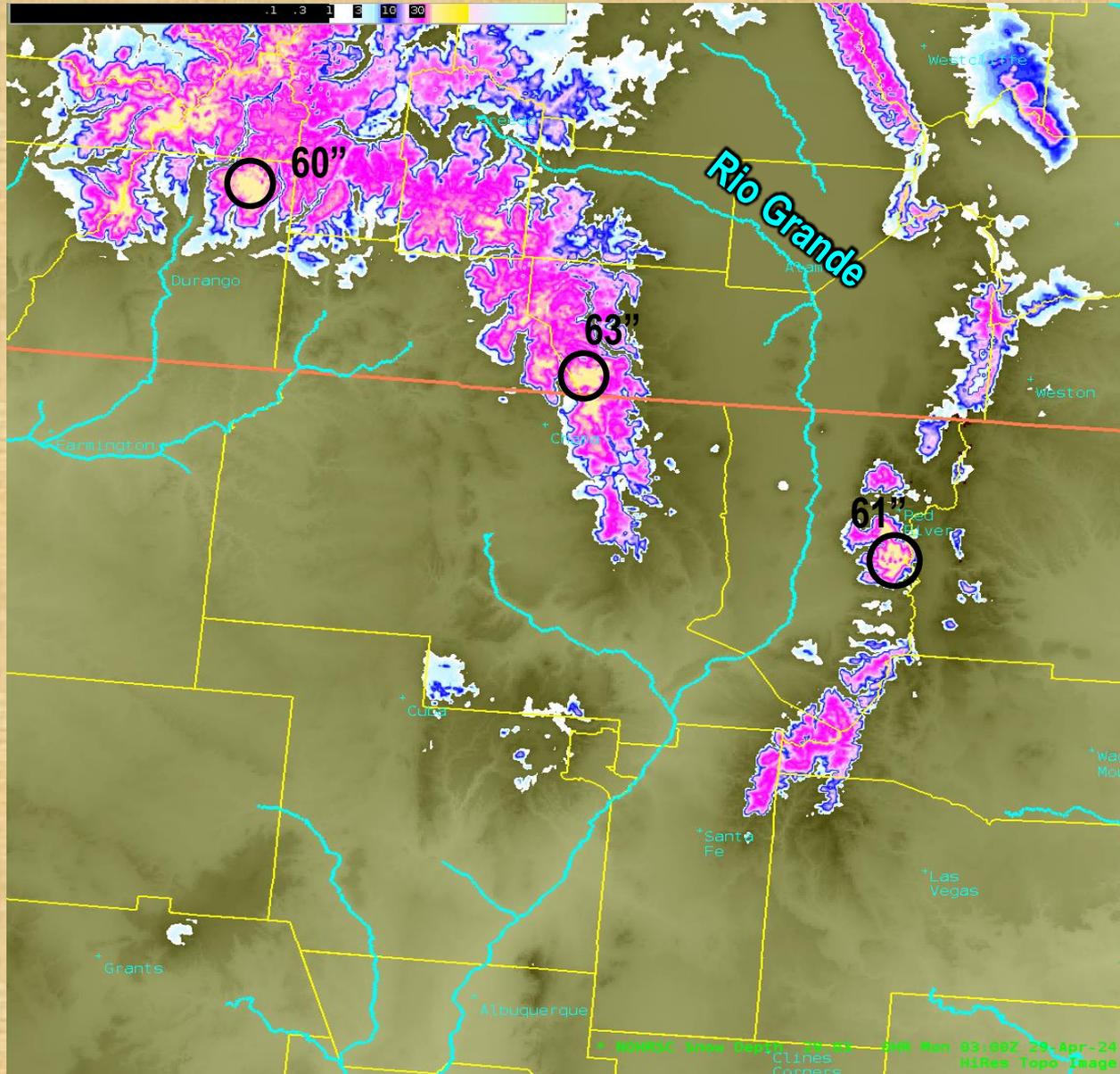
- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4

Apr 23, 2024

Jan 30, 2024

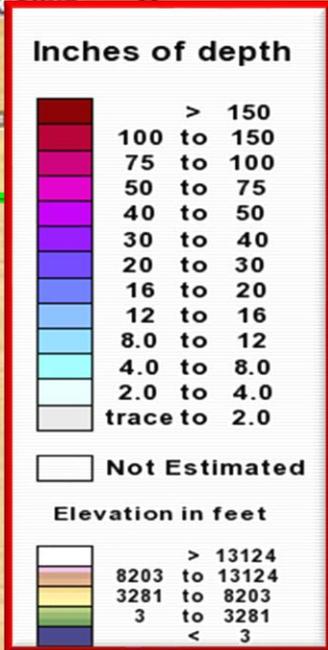
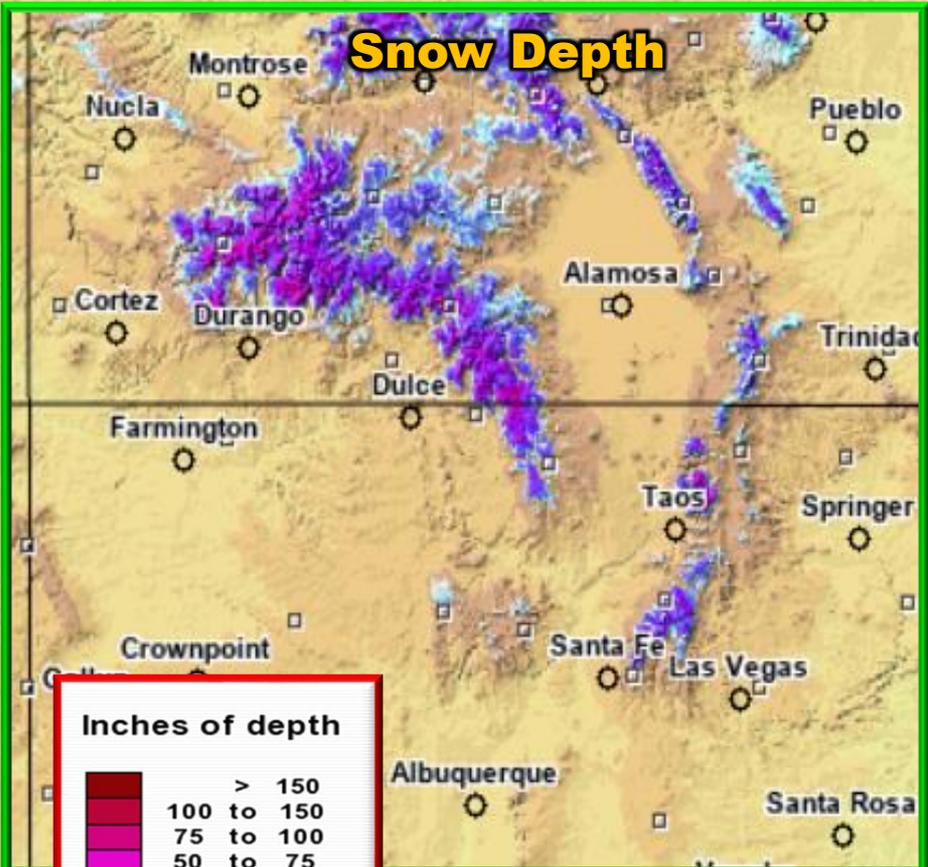


April 30 Snow Depth Upper Rio Grande Basin

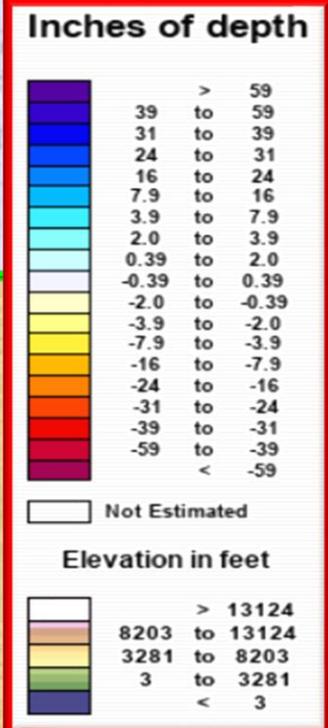
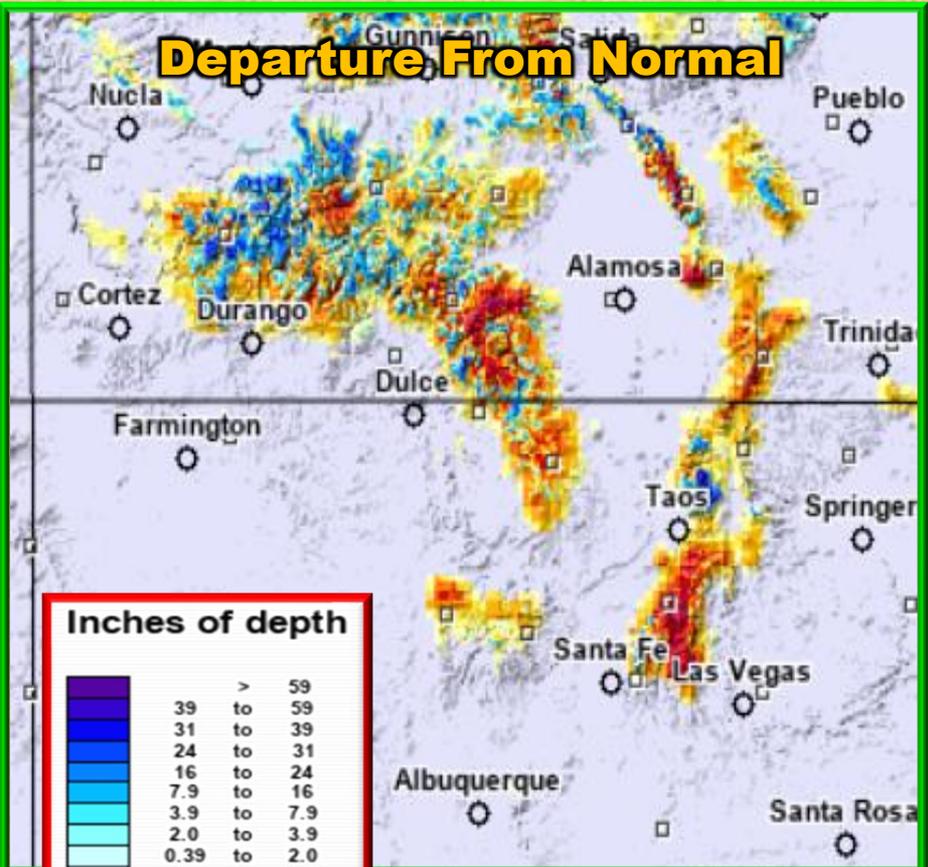


Snow Data Upper Rio Grande Basin as of April 30, 2024

Snow Depth

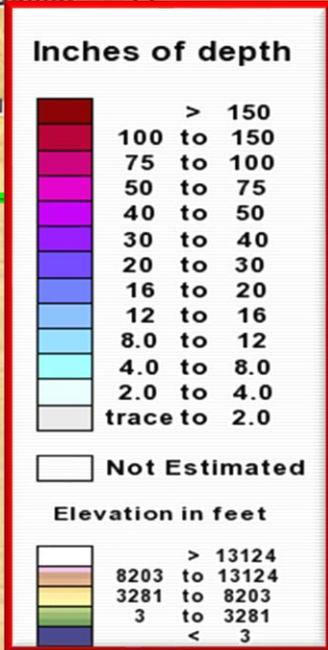
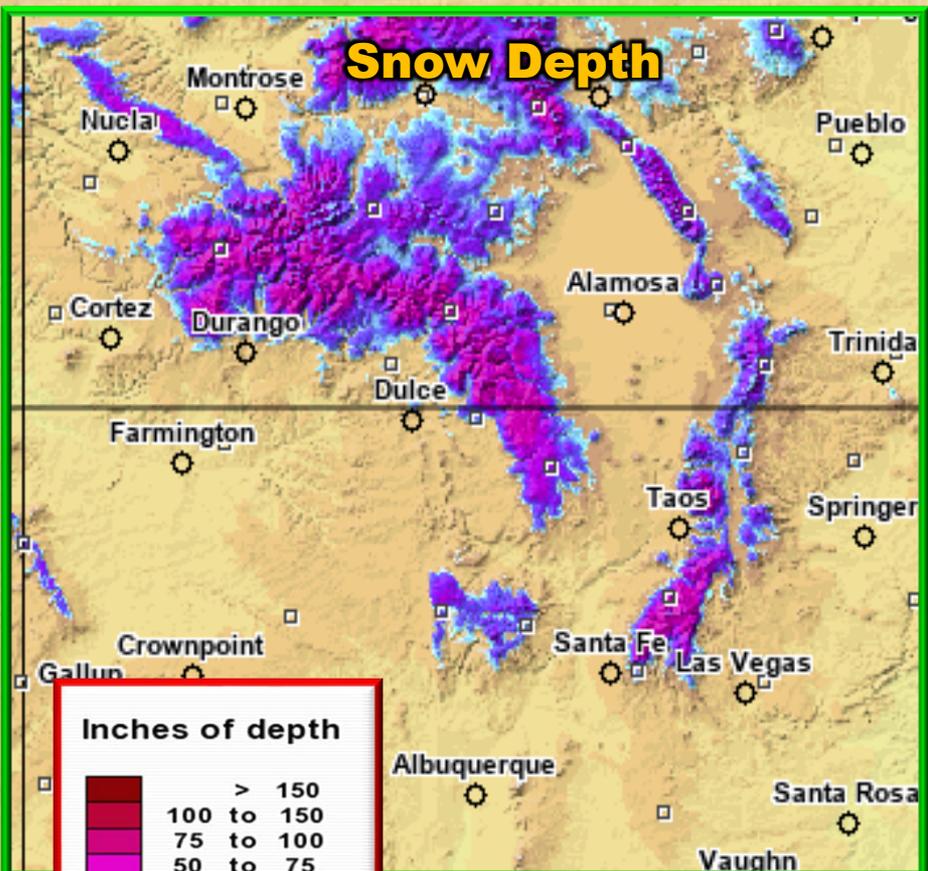


Departure From Normal

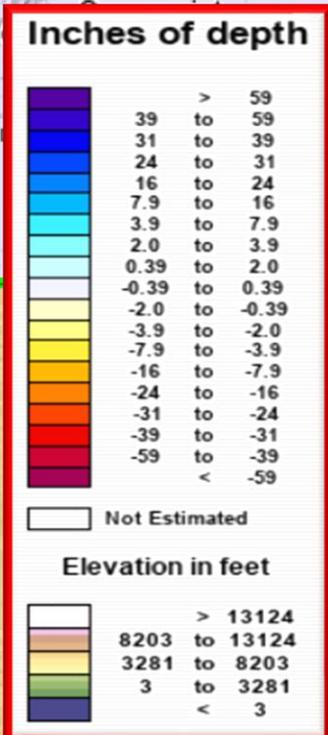
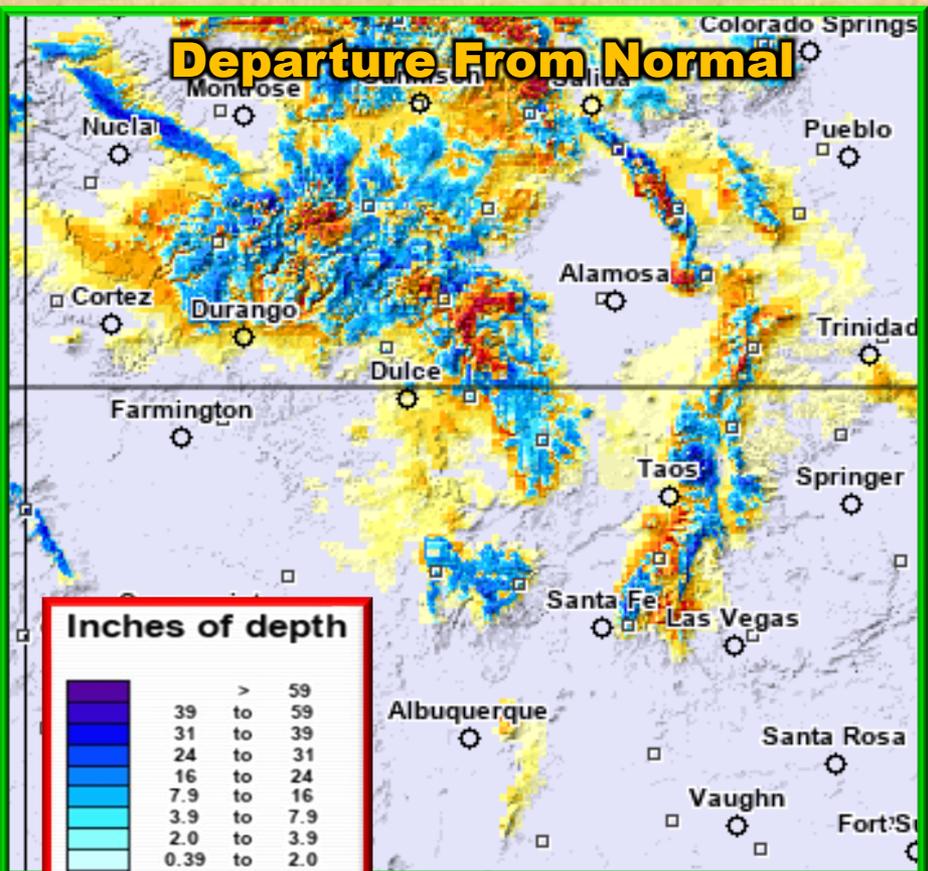


Snow Data Upper Rio Grande Basin as of Mar 31, 2024

Snow Depth

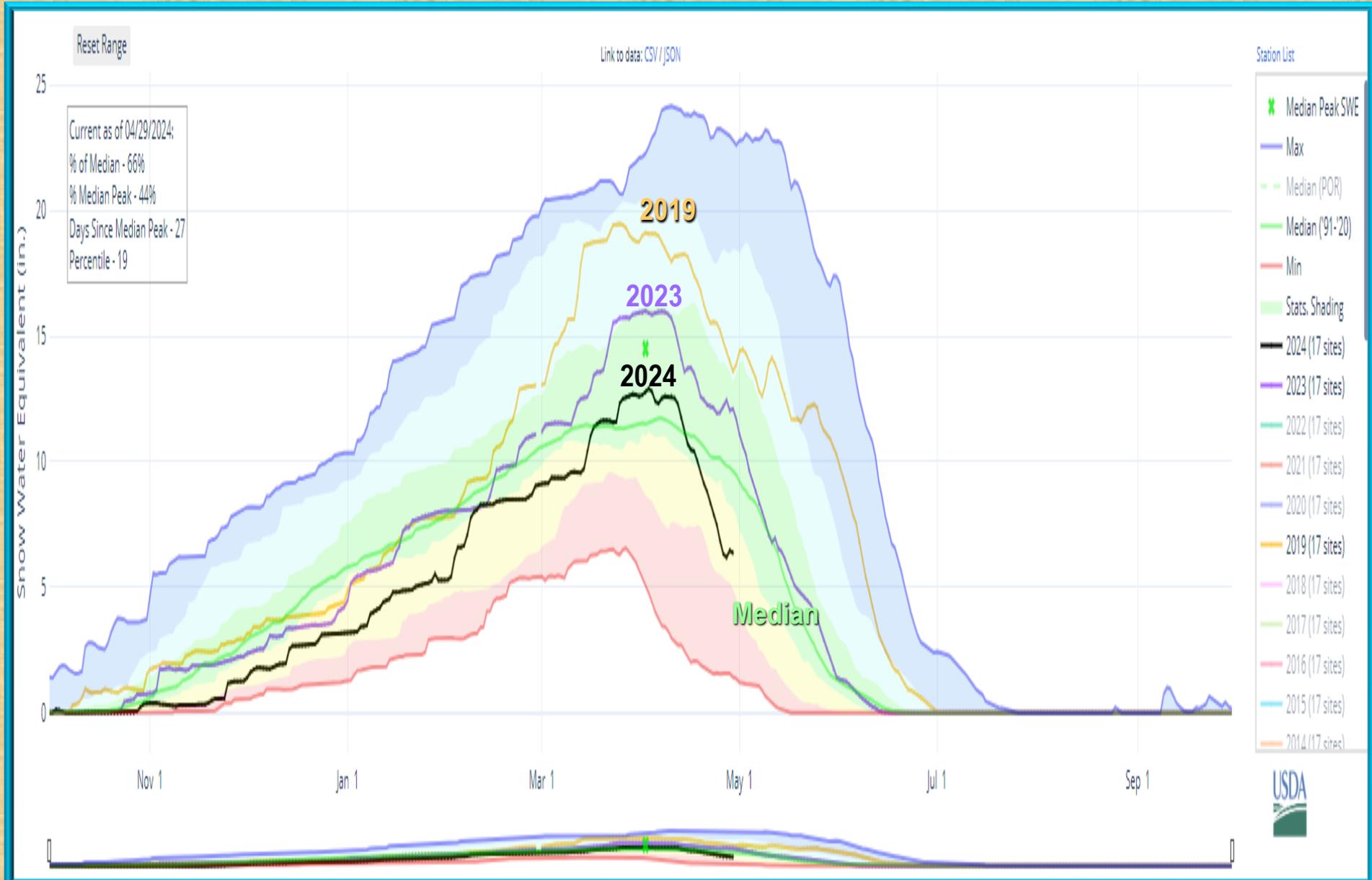


Departure From Normal



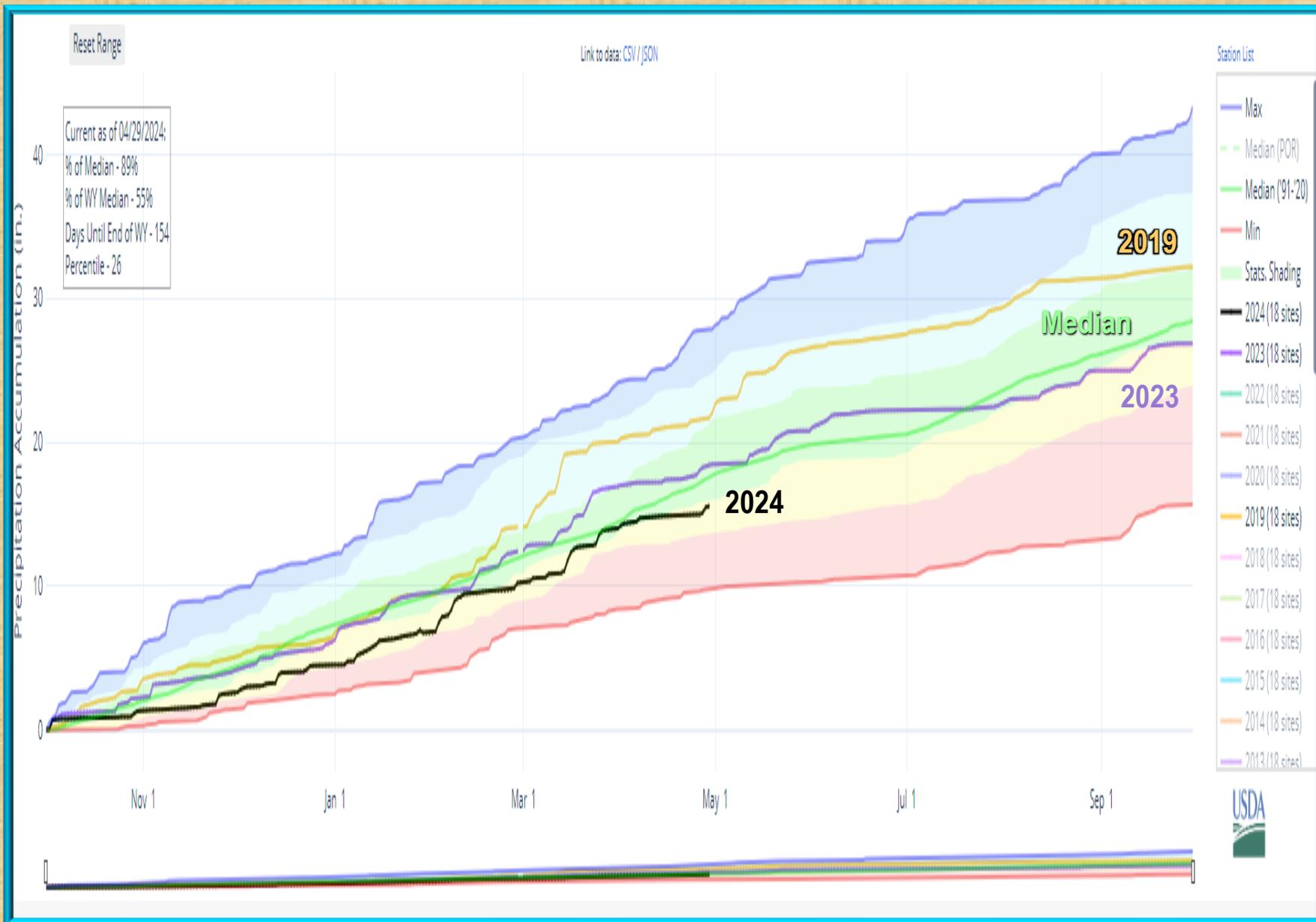
Snow Water Equivalent as of April 30, 2024

Compare to last few years and average values



Precipitation for the Water Year Oct 1 – Apr 30, 2024

Compare to last few years and average values

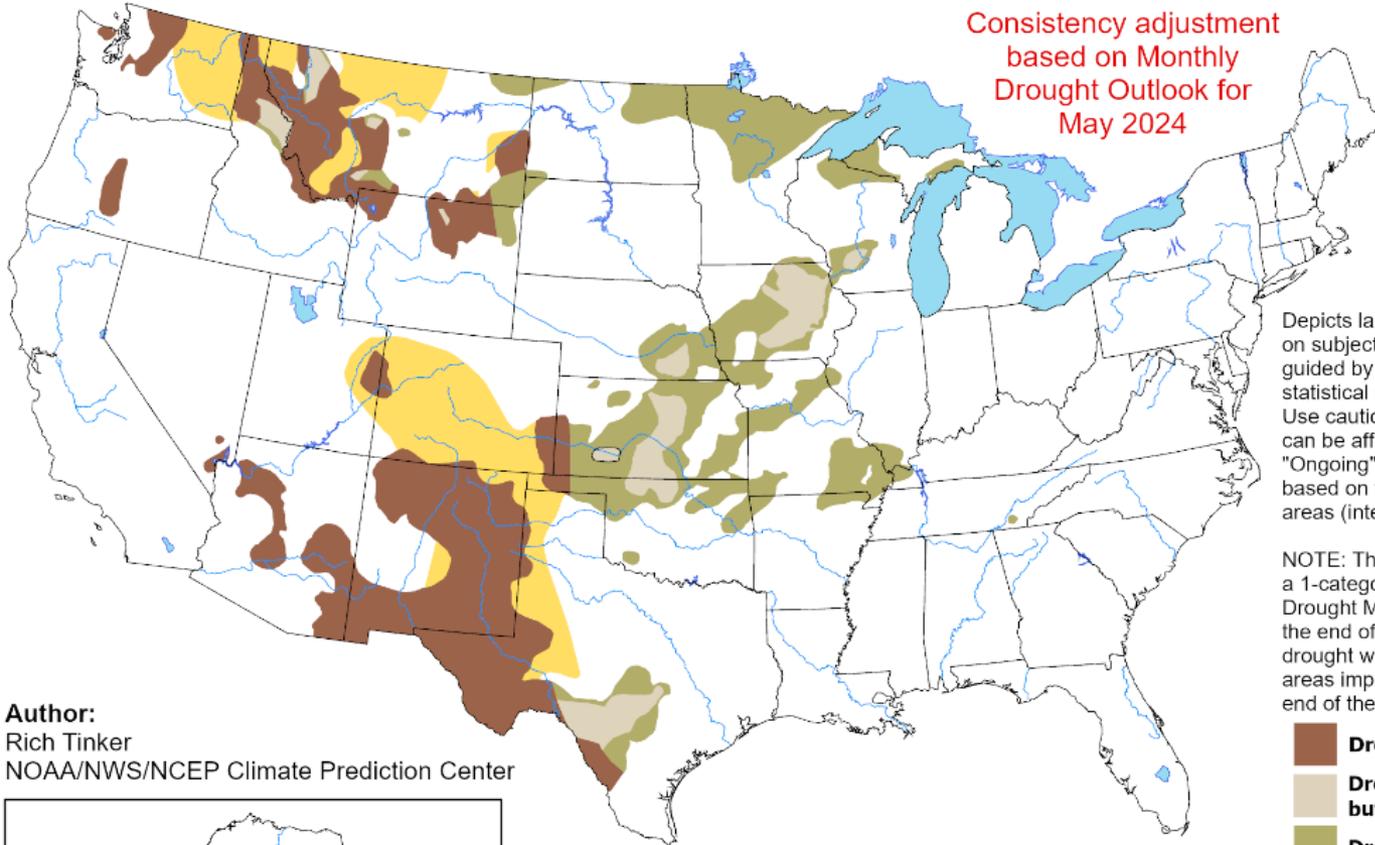


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for May 1 - July 31, 2024
Released April 30, 2024

Consistency adjustment
based on Monthly
Drought Outlook for
May 2024

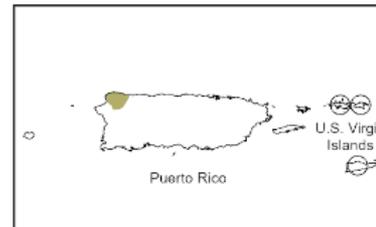
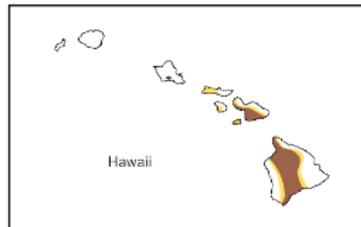


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

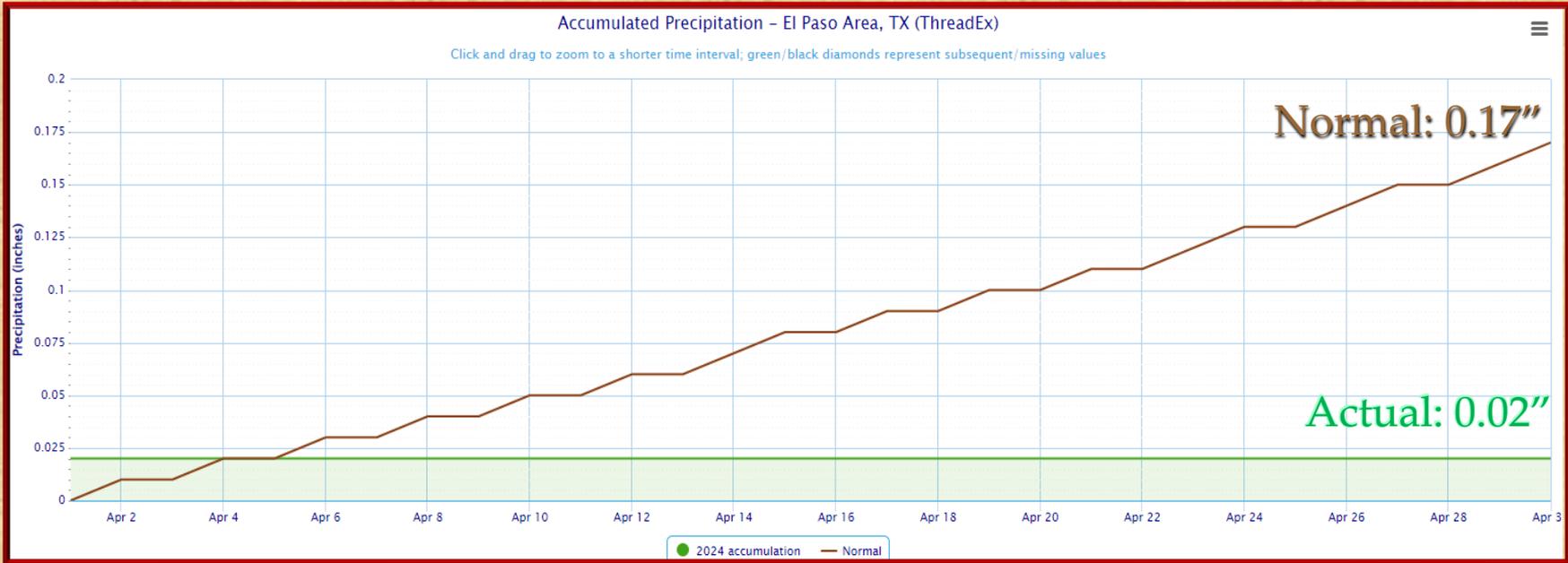
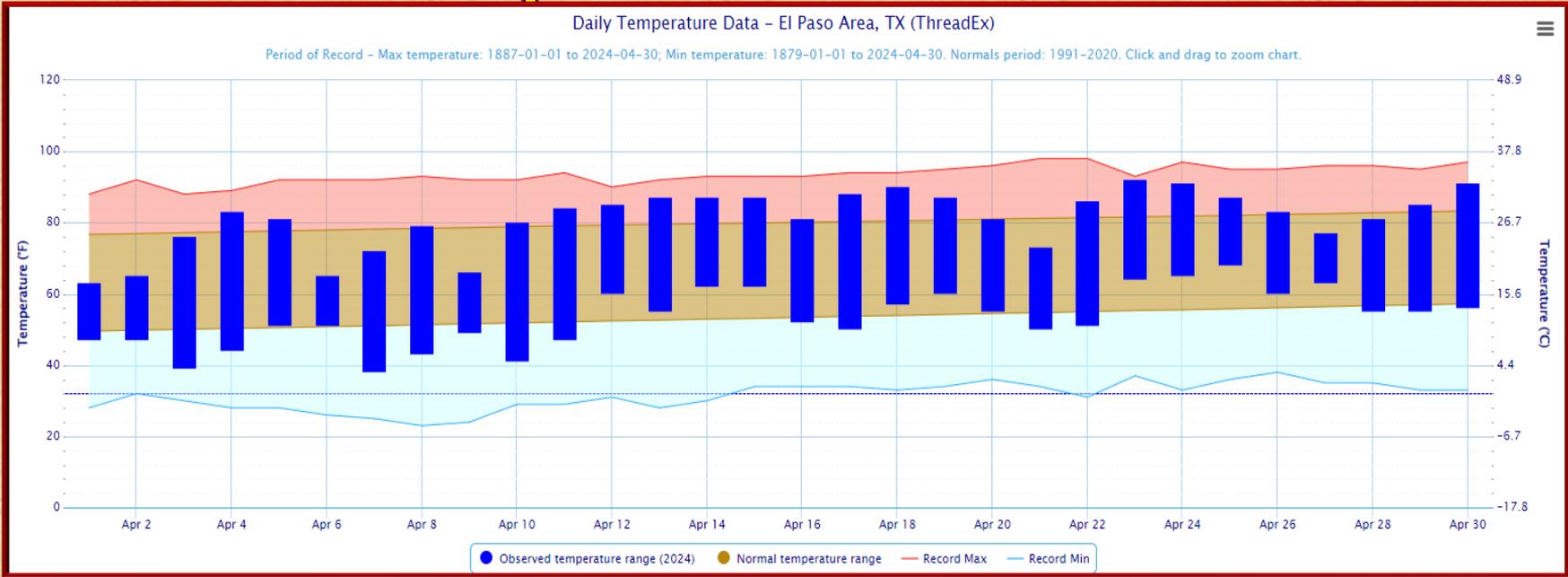
Author:
Rich Tinker
NOAA/NWS/NCEP Climate Prediction Center



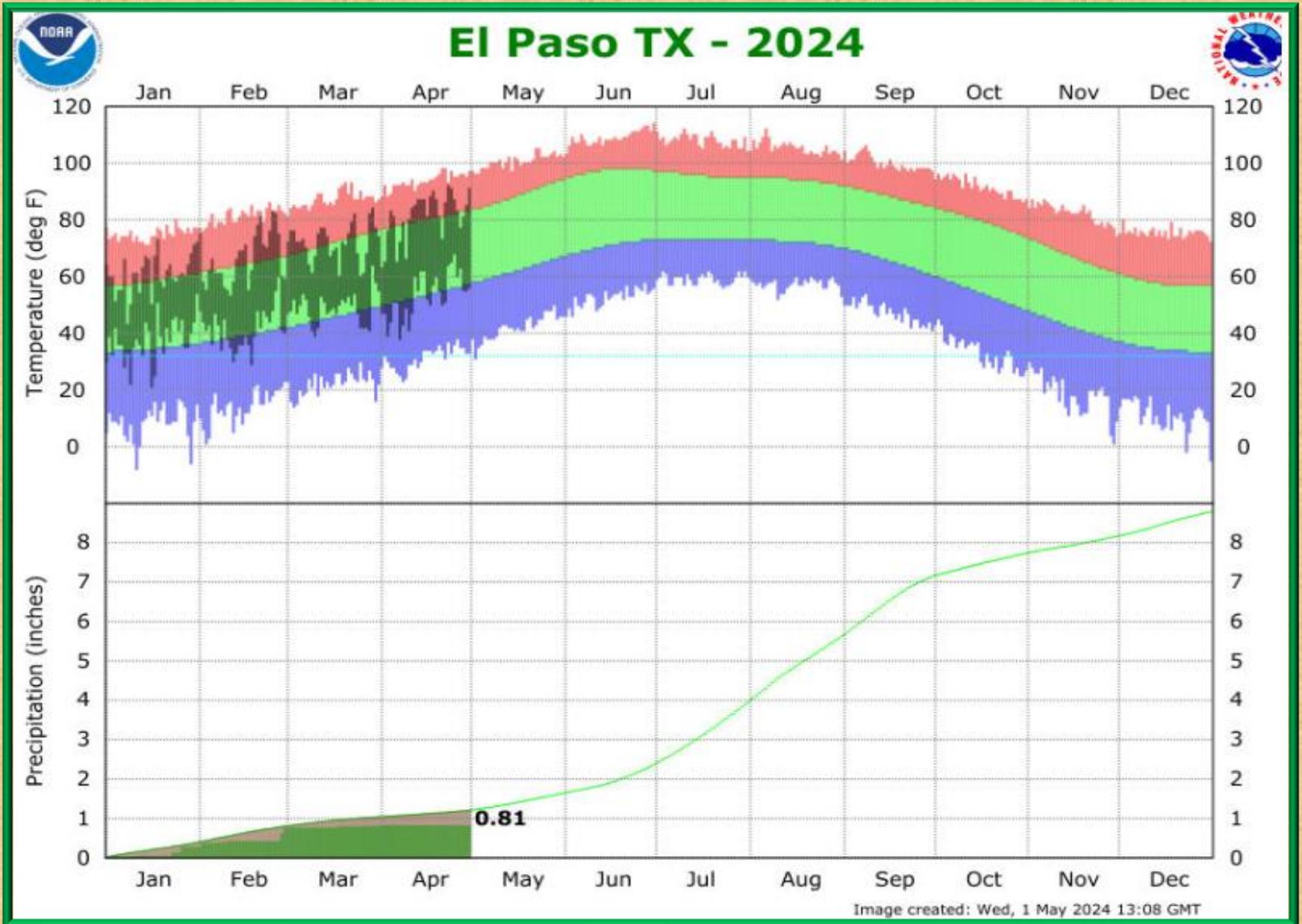
<https://go.usa.gov/3eZ73>

Temperature and precipitation data for April 2024 in El Paso

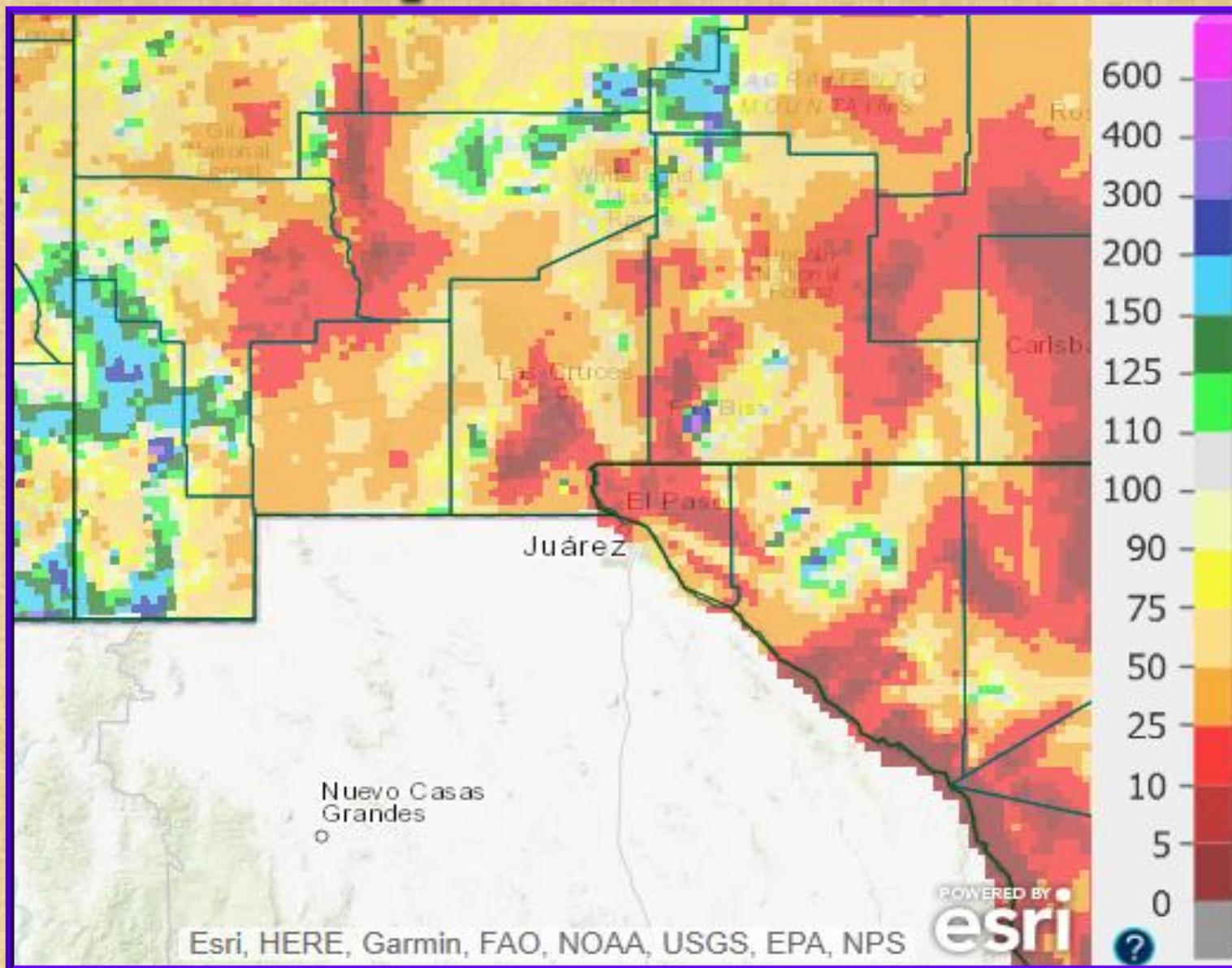
○ = record



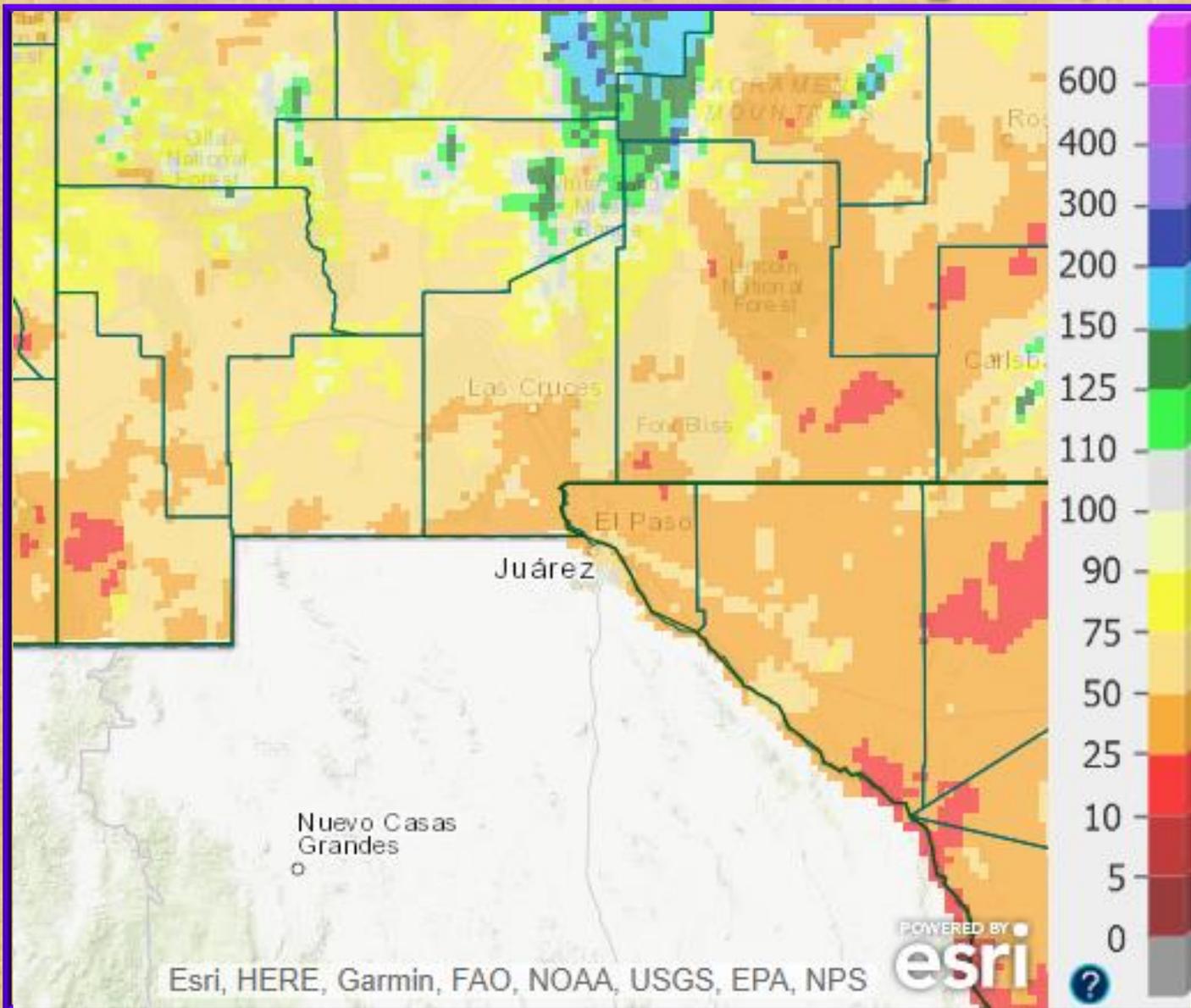
Temperature and Precipitation Year-to-date for 2024 for El Paso



April 2024 rainfall estimate percent of normal



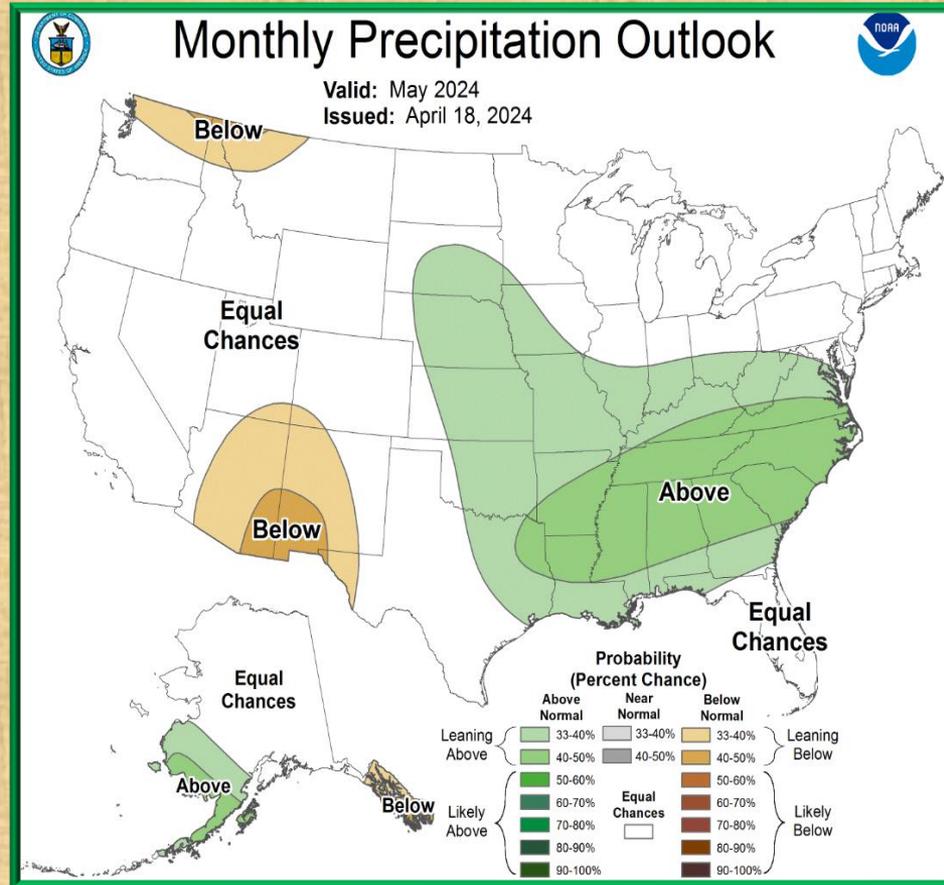
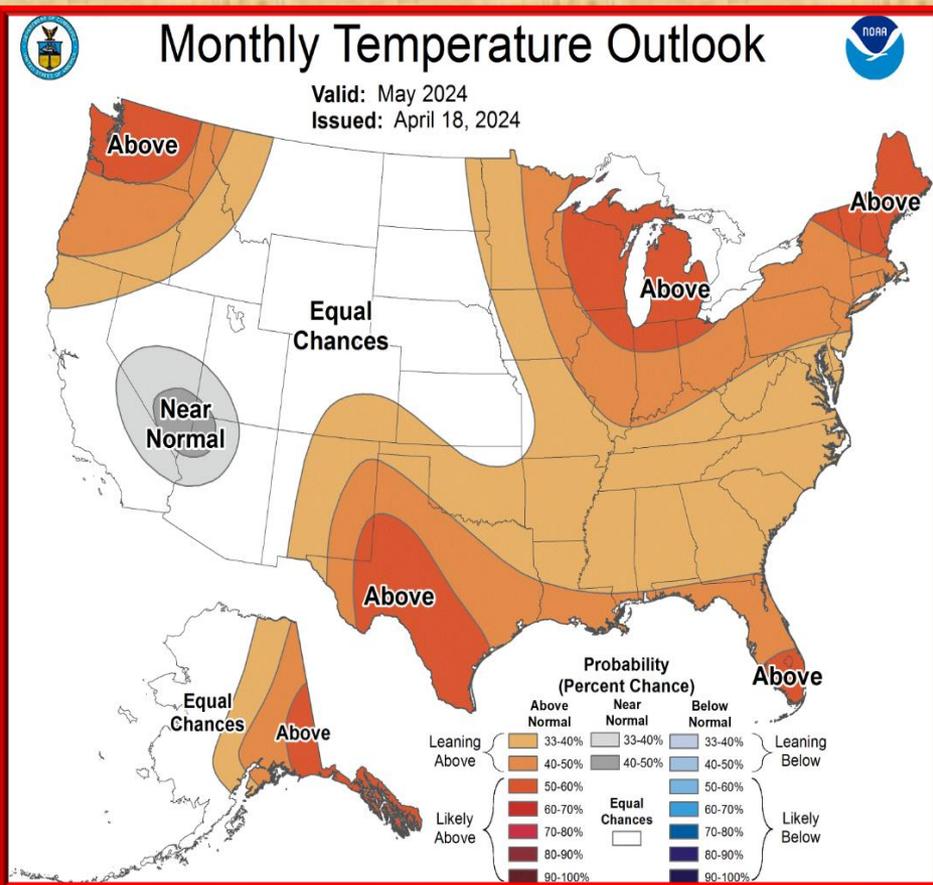
Radar rainfall estimate percent of normal for the Water Year (Oct 1 – Apr 30)



Temperature and precipitation outlook For May 2024

Temperature

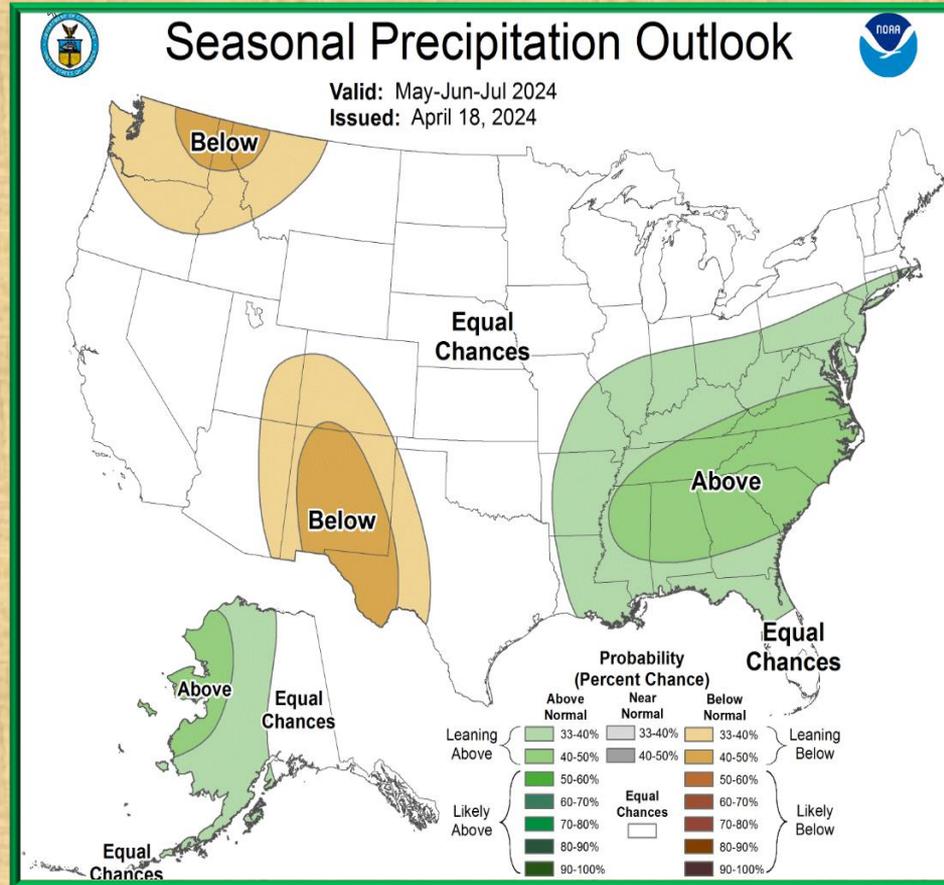
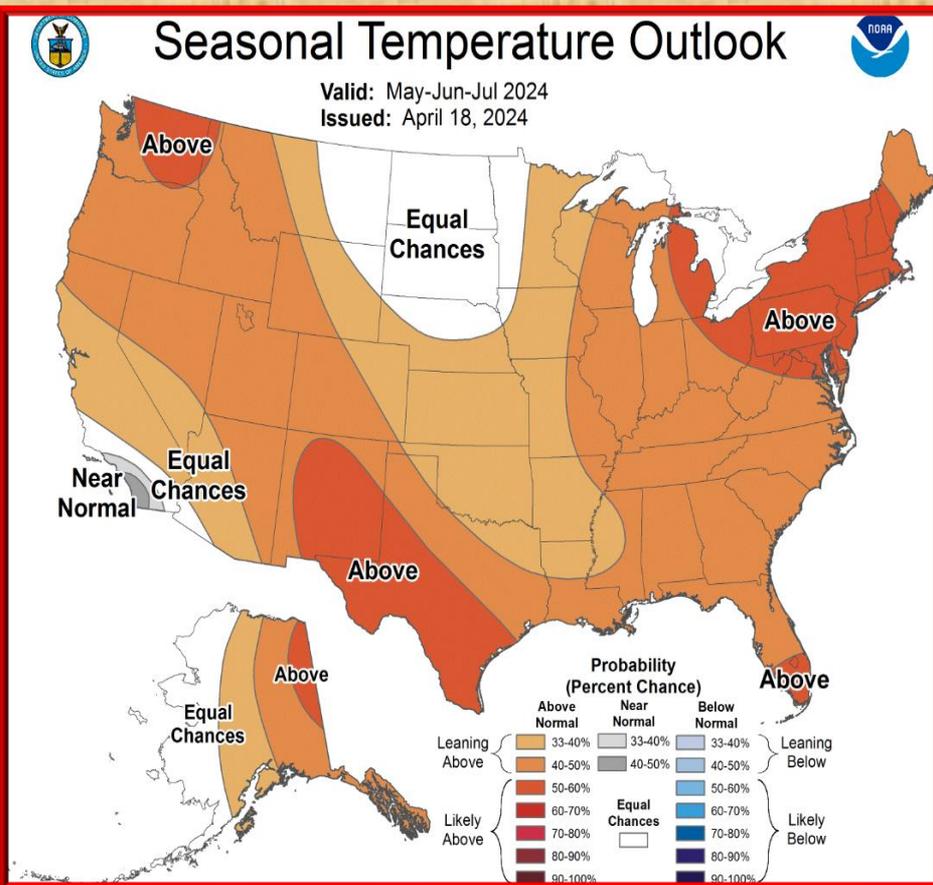
Precipitation



Temperature and precipitation outlook for May-Jul 2024

Temperature

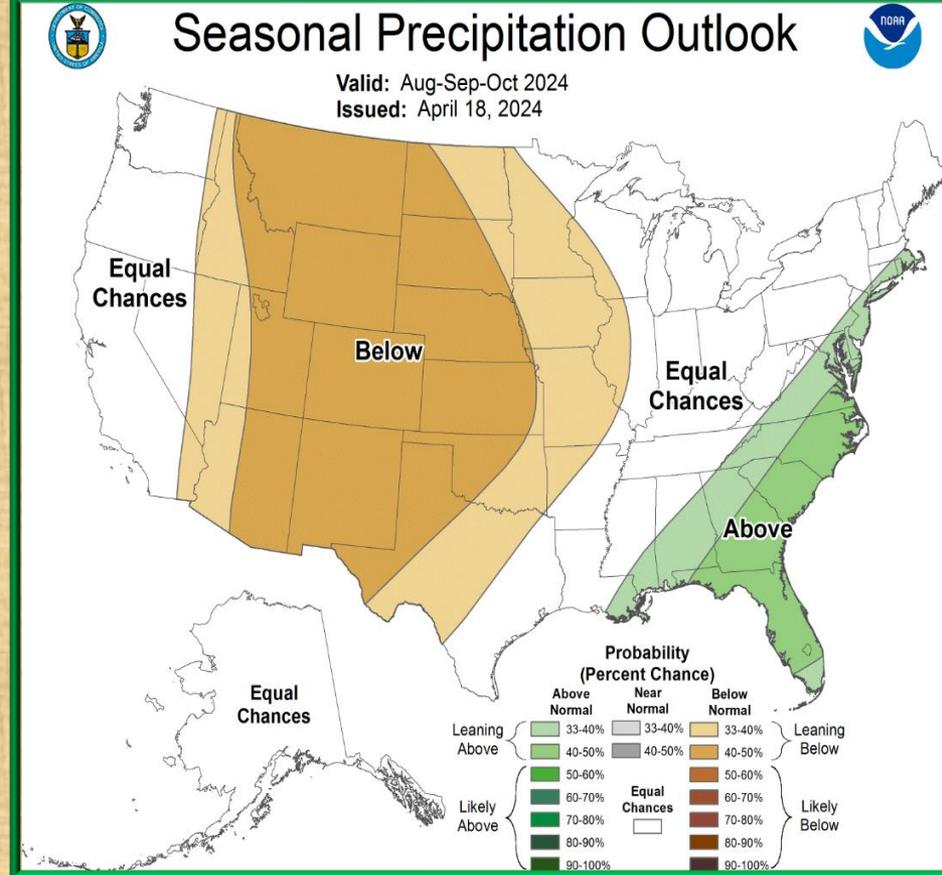
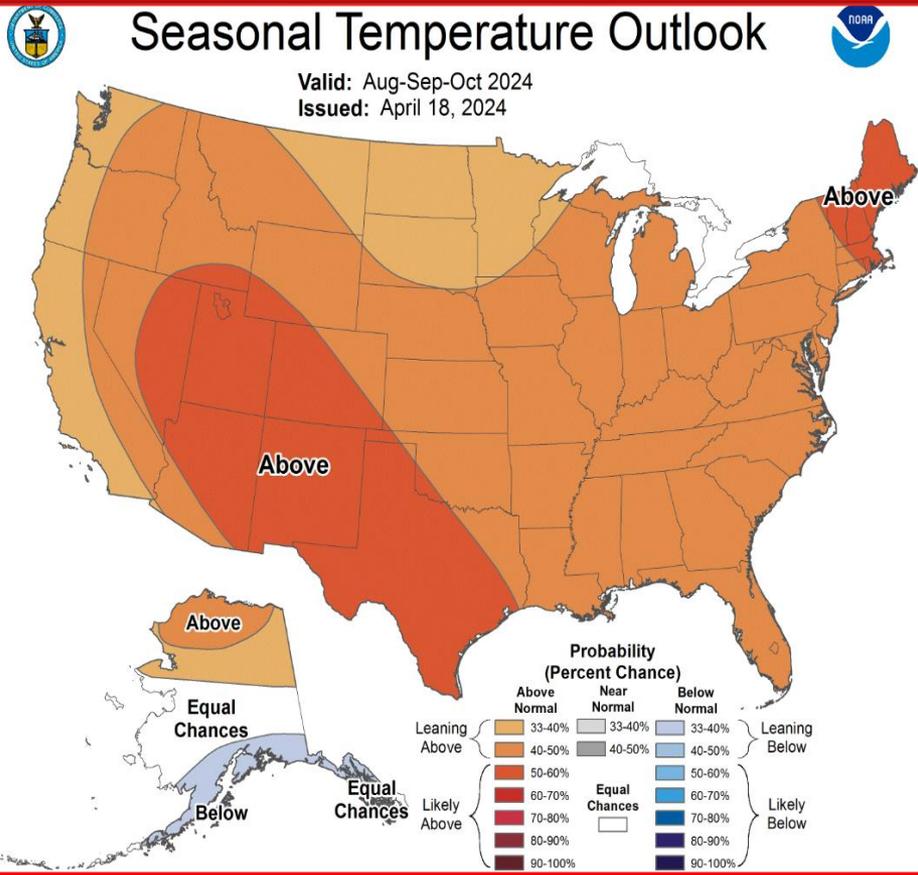
Precipitation



Temperature and precipitation outlook for Aug-Oct 2024

Temperature

Precipitation

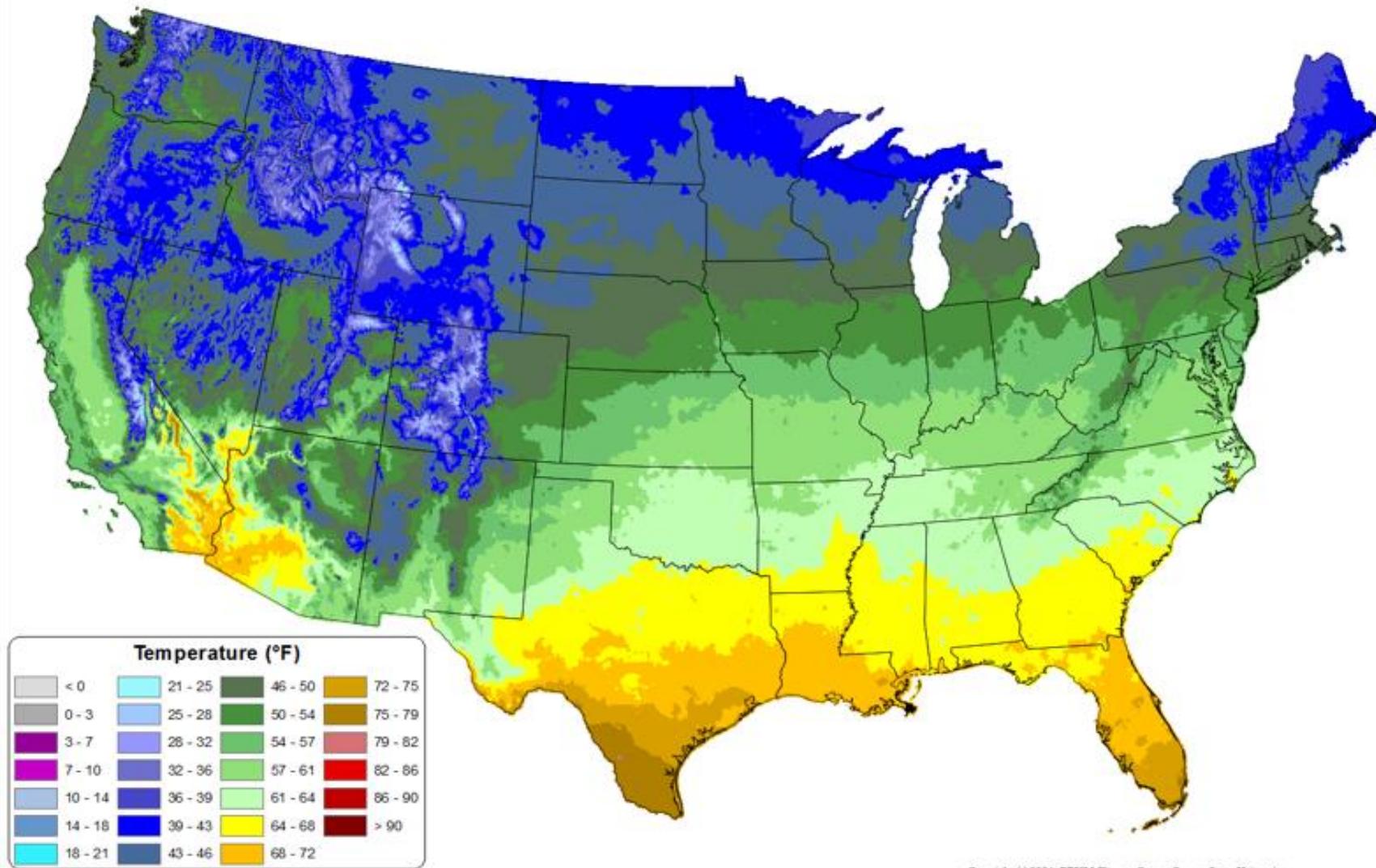


Average Daily Mean Temperature for April 2024

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

Period ending 7 AM EST 30 Apr 2024

(Map created 01 May 2024)

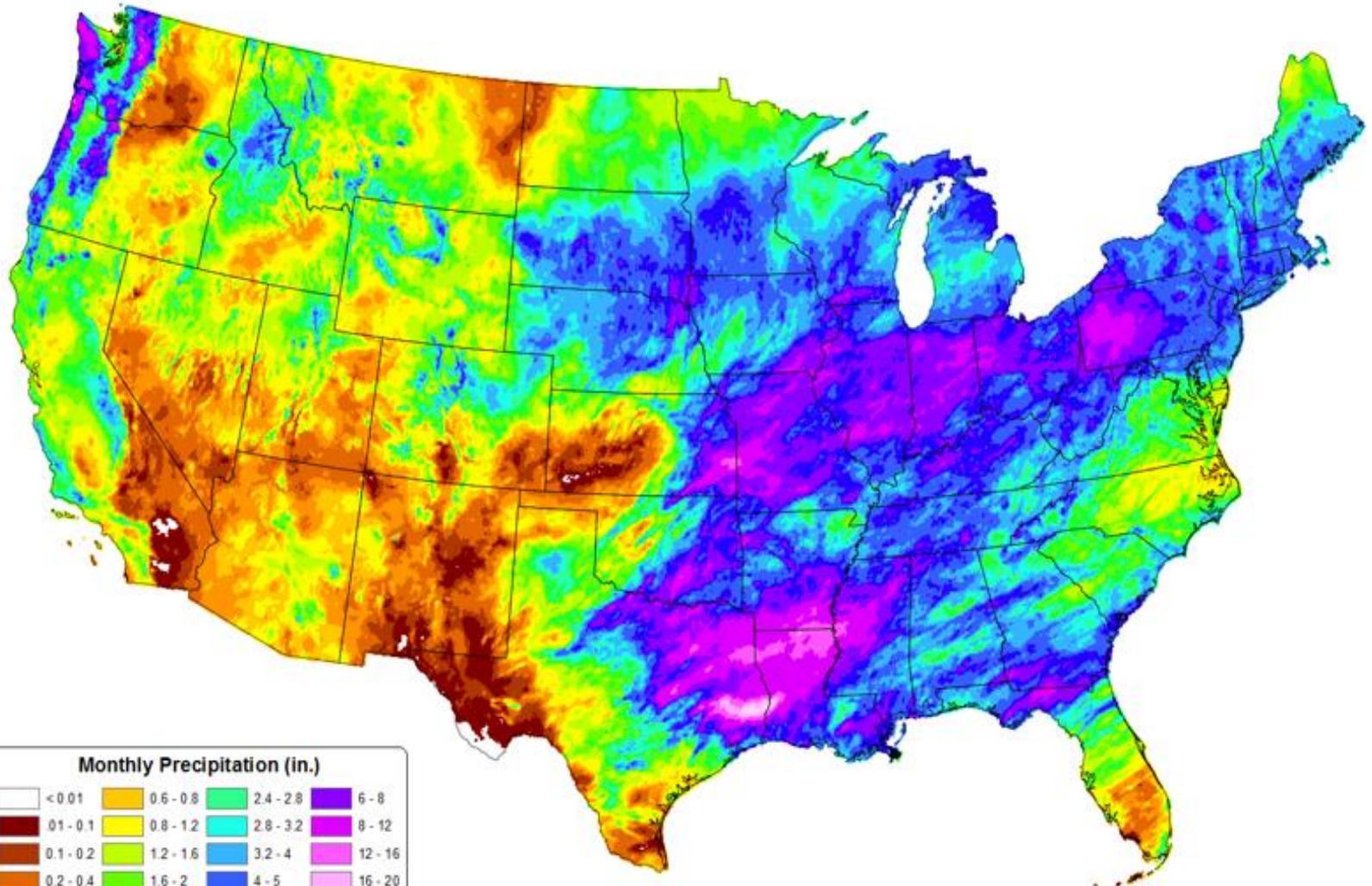


Total Precipitation for April 2024

Total Precipitation: 01 Apr 2024 - 30 Apr 2024

Period ending 7 AM EST 30 Apr 2024

(Map created 01 May 2024)



Monthly Precipitation (in.)



Selected Weather Reports April 2024

Date/Time	Location (County)	Event
APRIL 6 135 PM	SAN AUGUSTIN PASS-DONA ANS	80 MPH PEAK WIND GUST
APRIL 6 1101 AM	MESCALERO-OTERO	65 MPH PEAK WIND GUST
APRIL 6 1205 AM	WSMR MAIN POST-DONA ANA	61 MPH PEAK WIND GUST
APRIL 6 543 AM	EL PASO INTL AIRPORT-EL PASO	60 MPH PEAK WIND GUST
APRIL 6 1203 AM	T OR C AIRPORT-SIERRA	56 MPH PEAK WIND GUST
APRIL 6 552 AM	BIGGS FIELD-EL PASO	54 MPH PEAK WIND GUST
APRIL 6 343 PM	DEMING AIRPORT-LUNA	52 MPH PEAK WIND GUST
APRIL 6 440 AM	HIGH ROLLS-OTERO	52 MPH PEAK WIND GUST
APRIL 6 415 PM	LAS CRUCES AIRPORT-DONA ANA	51 MPH PEAK WIND GUST
APRIL 6 141 PM	MESCALERO-OTERO	49 MPH PEAK WIND GUST
APRIL 6 1220 PM	WEED-OTERO	48 MPH PEAK WIND GUST
APRIL 6 1257 PM	DELL CITY-HUDSPETH	46 MPH PEAK WIND GUST

Selected Weather Reports April 2024

Date/Time	Location (County)	Event
APRIL 6 1055 AM	GRANT CO AIRPORT-GRANT	45 MPH PEAK WIND GUST
APRIL 6 910 PM	LORDSBURG PLAYA MP12-HIDALGO	45 MPH PEAK WIND GUST
APRIL 6 320 PM	SANTA TERESA NWS-DONA ANA	44 MPH PEAK WIND GUST
APRIL 6 615 PM	ALAMOGORDO AIRPORT-OTERO	44 MPH PEAK WIND GUST
APRIL 15 510 PM	SAN AUGUSTIN PASS-DONA ANA	75 MPH PEAK WIND GUST
APRIL 15 530 PM	WSMR MAIN POST-DONA ANA	62 MPH PEAK WIND GUST
APRIL 15 552 PM	EL PASO INTL AIRPORT-EL PASO	58 MPH PEAK WIND GUST
APRIL 15 325 PM	LORDSBURG PLAYA MP11-HIDALGO	55 MPH PEAK WIND GUST
APRIL 15 225 PM	T OR C AIRPORT-SIERRA	55 MPH PEAK WIND GUST
APRIL 15 201 PM	MAYHILL-OTERO	53 MPH PEAK WIND GUST
APRIL 15 320 PM	SPACEPORT-SIERRA	53 MPH PEAK WIND GUST
APRIL 15 457 PM	DEMING AIRPORT-LUNA	52 MPH PEAK WIND GUST

Selected Weather Reports April 2024

Date/Time	Location (County)	Event
APRIL 15 455 PM	SANTA TERESA NWS-DONA ANA	49 MPH PEAK WIND GUST
APRIL 15 415 PM	LAS CRUCES AIRPORT-DONA ANA	48 MPH PEAK WIND GUST
APRIL 15 220 PM	HOLLOMAN AFB-OTERO	48 MPH PEAK WIND GUST
APRIL 15 341 PM	MESCALERO-OTERO	48 MPH PEAK WIND GUST
APRIL 15 733 PM	DELL CITY-HUDSPETH	46 MPH PEAK WIND GUST
APRIL 15 317 PM	SIERRA BLANCA-HUDSPETH	46 MPH PEAK WIND GUST
APRIL 15 355 PM	GRANT COUNTY AIRPORT-GRANT	45 MPH PEAK WIND GUST
APRIL 15 326 PM	DRIPPING SPRINGS-DONA ANA	44 MPH PEAK WIND GUST
APRIL 25 245 PM	SAN AUGUSTIN PASS-DONA ANA	74 MPH PEAK WIND GUST
APRIL 25 425 PM	WSMR MAIN POST	69 MPH PEAK WIND GUST
APRIL 25 304 PM	T OR C AIRPORT-SIERRA	67 MPH PEAK WIND GUST
APRIL 25 135 PM	LORDSBURG PLAYA MP11	60 MPH PEAK WIND GUST

Selected Weather Reports April 2024

Date/Time	Location (County)	Event
APRIL 25 226 PM	DRIPPING SPRINGS-DONA ANA	58 MPH PEAK WIND GUST
APRIL 25 429 PM	HIGH ROLLS-OTERO	56 MPH PEAK WIND GUST
APRIL 25 135 PM	SPACEPORT AMERICA-SIERR	55 MPH PEAK WIND GUST
APRIL 25 447 PM	EL PASO INTL AIRPORT-EL PASO	55 MPH PEAK WIND GUST
APRIL 25 352 PM	HOLLOMAN AFB-OTERO	53 MPH PEAK WIND GUST
APRIL 25 202 PM	DEMING AIRPORT-LUNA	53 MPH PEAK WIND GUST
APRIL 25 1255 PM	LORDSBURG NORTH PLAYA-HIDALGO	51 MPH PEAK WIND GUST
APRIL 25 350 PM	SANTA TERESA NWS-DON ANA	49 MPH PEAK WIND GUST
APRIL 25 337 PM	SIERRA BLANCA-HUDSPETH	46 MPH PEAK WIND GUST
APRIL 25 535 PM	LAS CRUCES AIRPORT-DONA ANA	45 MPH PEAK WIND GUST
APRIL 25 355 PM	GRANT COUNTY AIRPORT-GRANT	45 MPH PEAK WIND GUST
APRIL 27 430 PM	SAN AUGUSTIN PASS-DONA ANA	71 MPH PEAK WIND GUST

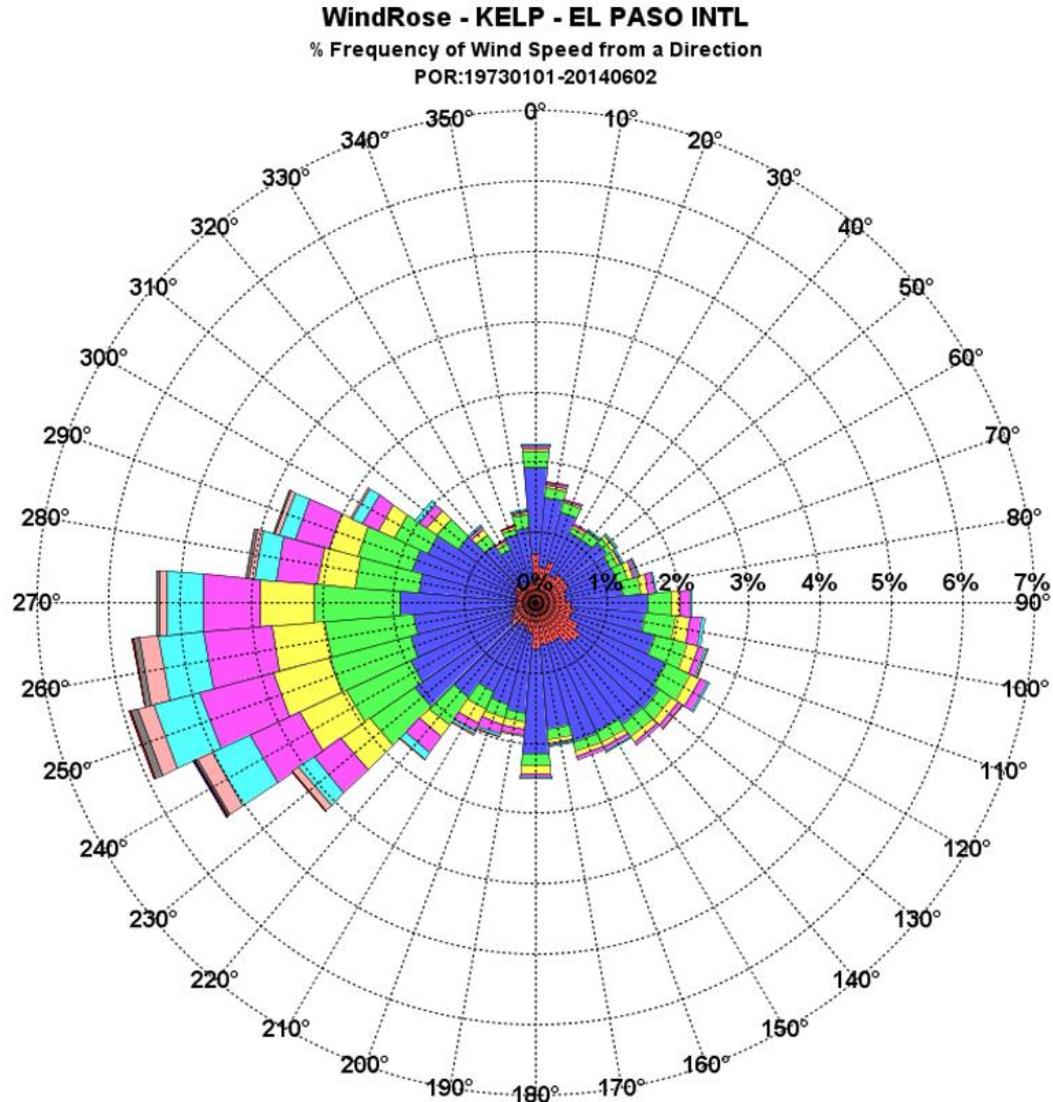
Selected Weather Reports April 2024

Date/Time	Location (County)	Event
APRIL 27 1205 PM	LORDSBURG PLAYA MP11-HIDALGO	65 MPH PEAK WIND GUST
APRIL 27 1140 PM	WSMR MUSEUM-DONA ANA	53 MPH PEAK WIND GUST
APRIL 27 323 PM	EL PASO INTL AIRPORT-EL PASO	53 MPH PEAK WIND GUST
APRIL 27 341 PM	MESCALERO-OTERO	52 MPH PEAK WIND GUST
APRIL 27 304 PM	DEMING AIRPORT-LUNA	51 MPH PEAK WIND GUST
APRIL 27 330 PM	HIGH ROLLS-OTERO	47 MPH PEAK WIND GUST
APRIL 27 440 PM	SANTA TERESA NWS-DONA ANA	46 MPH PEAK WIND GUST
APRIL 27 331 PM	HOLLOMAN AFB-OTERO	45 MPH PEAK WIND GUST

Special Features

www.weather.gov/epz/elpwindrosedata

Month: MAY
Calm: 6.44%
Variable: 2.66%



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

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](#)

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.