

February 2024 Weather Digest



February 2024 Weather Summary

No significant cold snaps this February with temperatures averaging slightly above climate normal. High winds and mountain snow led weather headlines this month, with the windiest days being Feb 7 and 27. The snowiest day occurred on the 10th when a winter storm system moved across much of New Mexico. Light snow was even recorded in Las Cruces. Mountain snowpacks improved further this month, with monthly snow totals 6-10" at Silver City and 18-24" over the Sacramento Mountains. Conditions are looking more favorable for active Spring snowmelt.

The final week of February was well above normal, with daily records highs broken on the 25th. A quick-hitting upper low brought widespread precipitation on the 28th, notably recording thunder and ice pellets at El Paso overnight.

Precipitation totals were at or slightly above normal for this typically dry month.

February 2024 Weather Summary

Looking ahead to March, temperatures continue to warm as we reach the Spring Equinox and pass it. The average high temperature at El Paso on the first is 67 degrees, climbing to 76 degrees on the last day of the month. Daylight increases from 11 hours, 32 minutes March 1st to 12 hours, 30 minutes on the 31st. Daylight Savings Time begins the morning of March 10th. Looking at the moon, the new moon occurs on the 10th and the full moon, also known as the Worm Moon, occurs on the 25th. A penumbral lunar eclipse will occur on the 24th, however all eyes are set on next month's total solar eclipse.

Feb 2 Santa Teresa Rainbow



Feb 2 Snow Silver City



Feb 2 View from Silver City



Feb 2 View from Silver City





Feb 7 Snow at Cloudcroft



Feb 11 Apache Summit

US 70 @ APACHE SUMMIT



Feb 11 Lake Mescalero

2024-02-11 15:13:17 US/Moon



Feb 11 Timberon

©Timberon Development Council 2024-02-11 16:30:38

SW

2024-02-10 14:35:53
CAM-TBTCMJ

Feb 10 Cloudcroft



2024-02-10 21:46:03
CAM-TBTCM

Feb 10 Cloudcroft



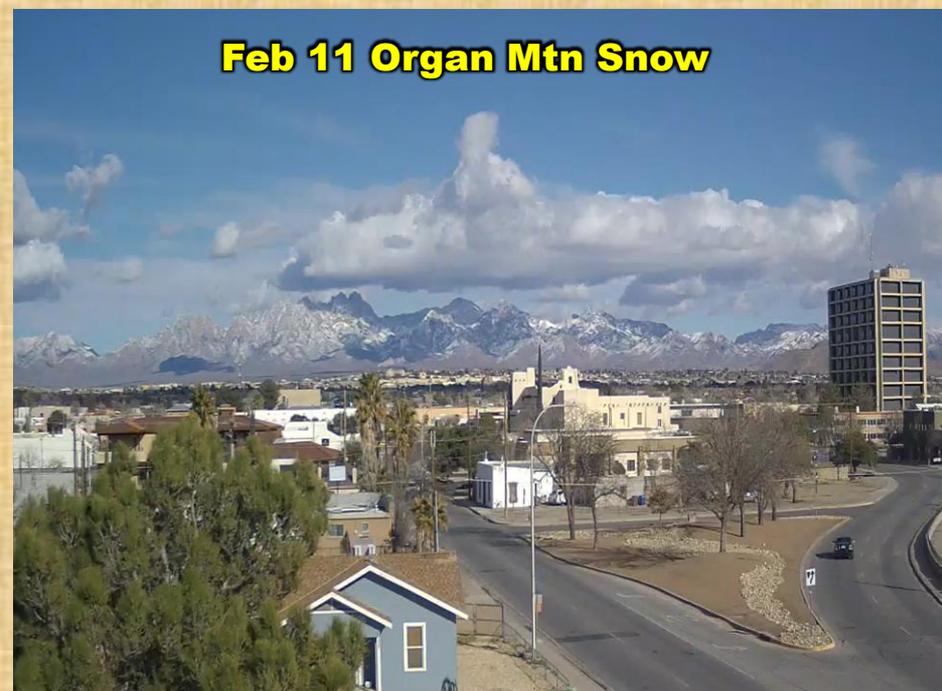
Feb 10 Wind Canyon/Gila Wilderness



Feb 10 Gila Wilderness



Feb 11 Organ Mtn Snow



Feb 11 Organ Mtn Snow



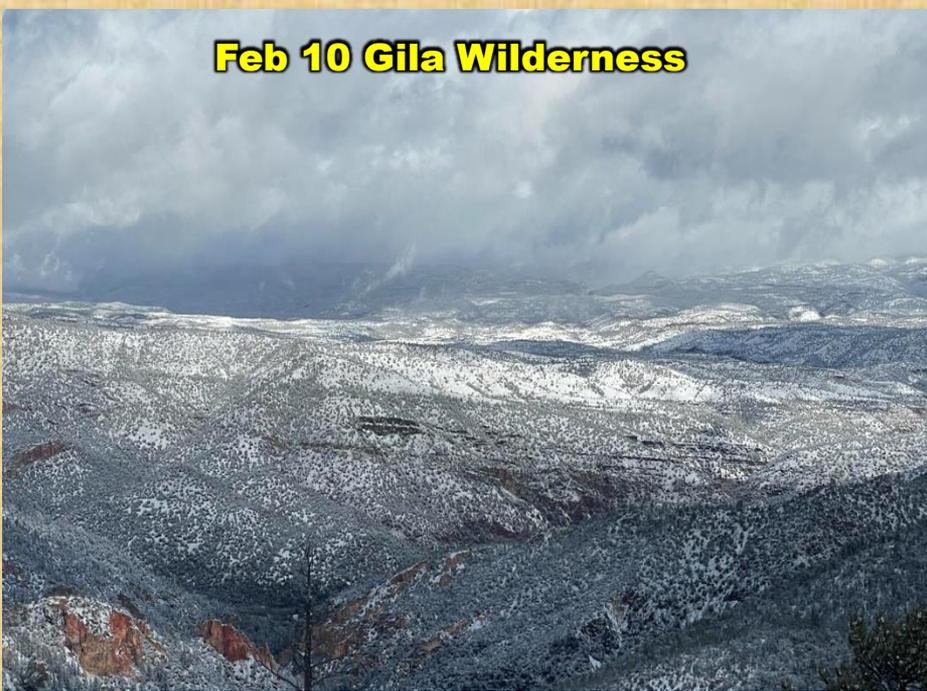
Feb 11 Organ Mtns



Feb 11 Cooke's Peak



Feb 10 Gila Wilderness



Feb 7 Piños Altos



Feb 9 Lake Roberts



Feb 26 Rainbow near Silver City



Feb 29 Fog Sacramento Mtns



HWY-82



Lake Mescalero



Apache Summit



Inn of the Mountain Gods

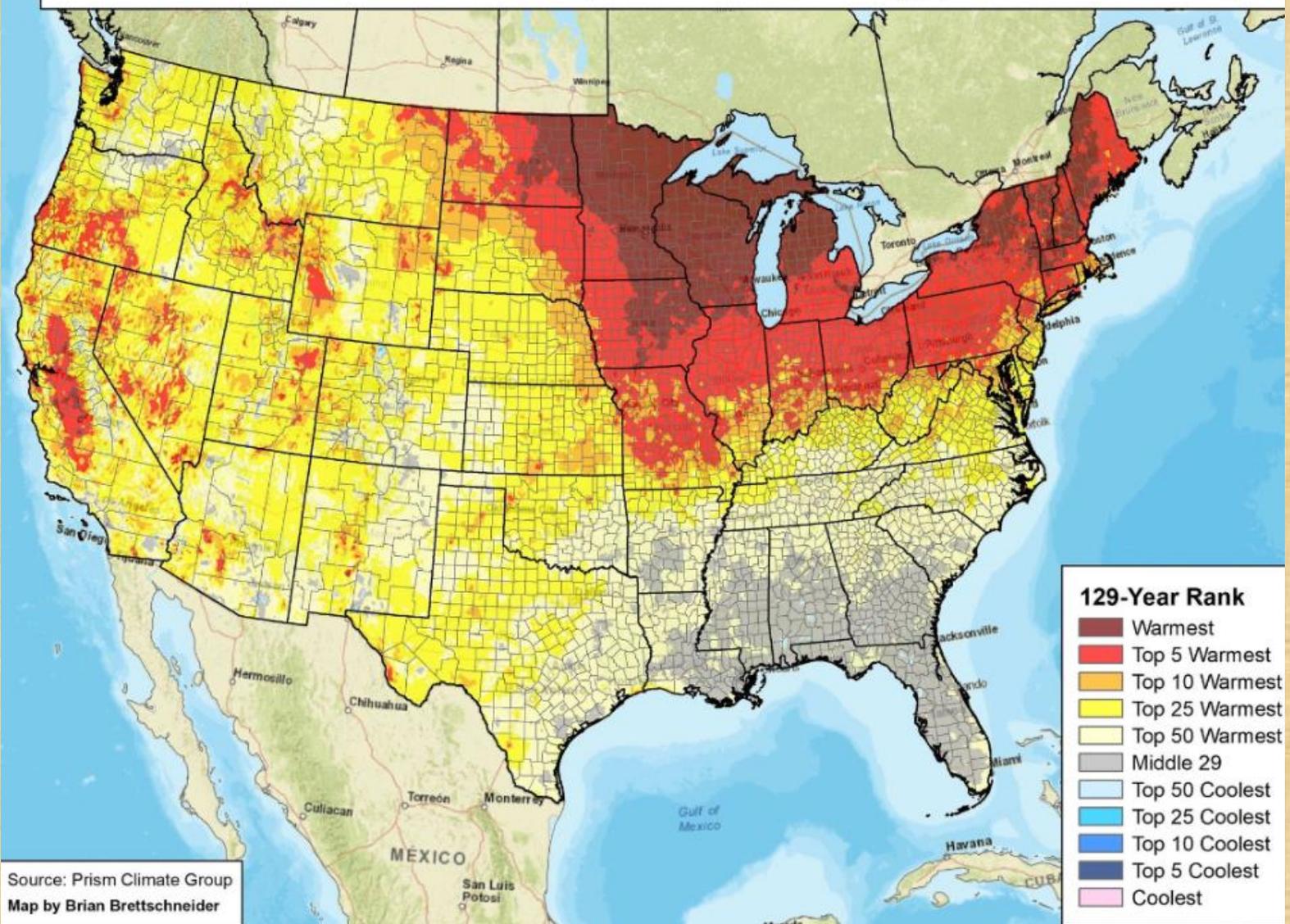
KFOX14
SEVERE
WEATHER TEAM

LIVE

ONLINE WEATHER
NETWORK

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**INN OF THE
MOUNTAIN GODS**
RESORT & CASINO

Dec 2023 - Feb 2024 Temperature Ranking (Since 1895-96)



Source: Prism Climate Group
Map by Brian Brettschneider

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

ENSO Alert System

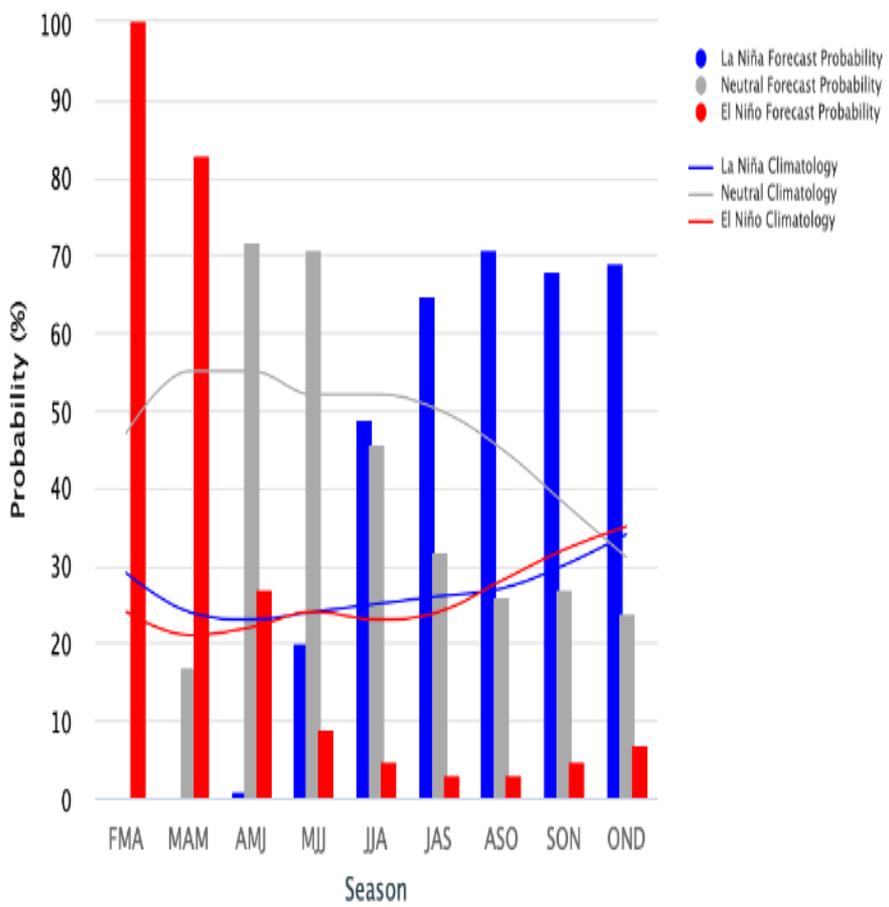
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

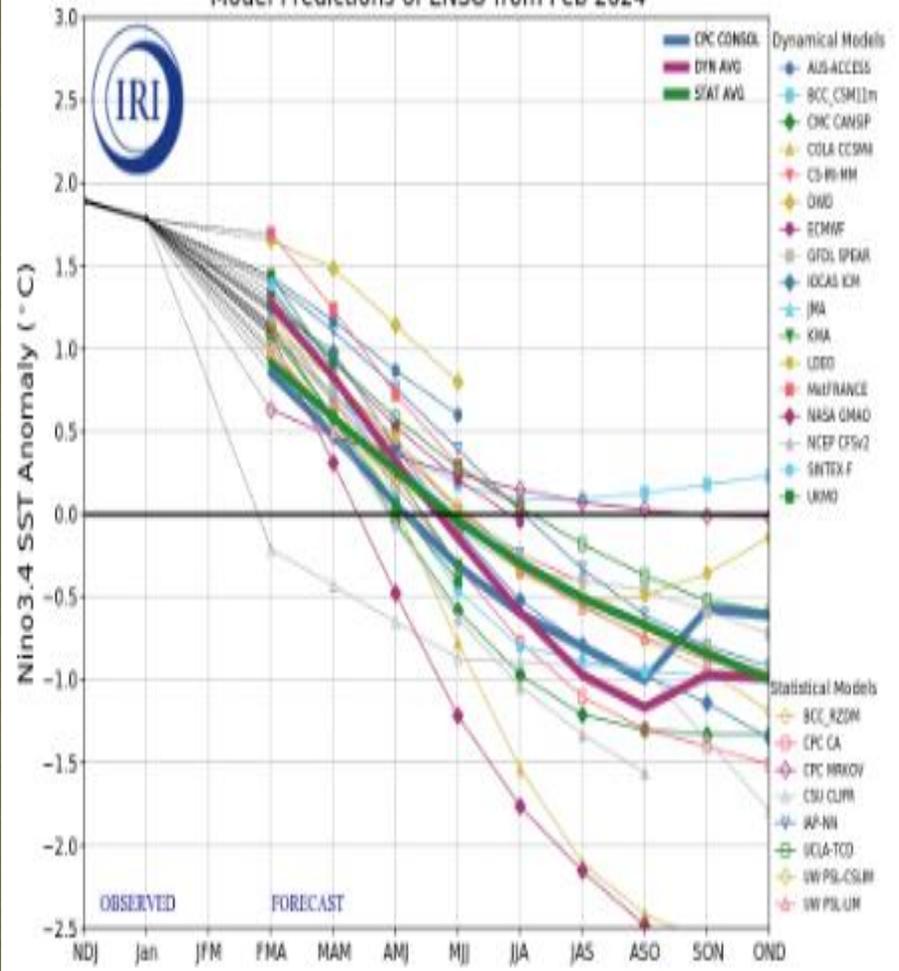
ENSO is in El Niño phase and is expected to last into spring before transitioning to neutral by the beginning of this summer; possibly back to La Niña by the end of summer.

Mid-February 2024 IRI Model-Based Probabilistic ENSO Forecasts

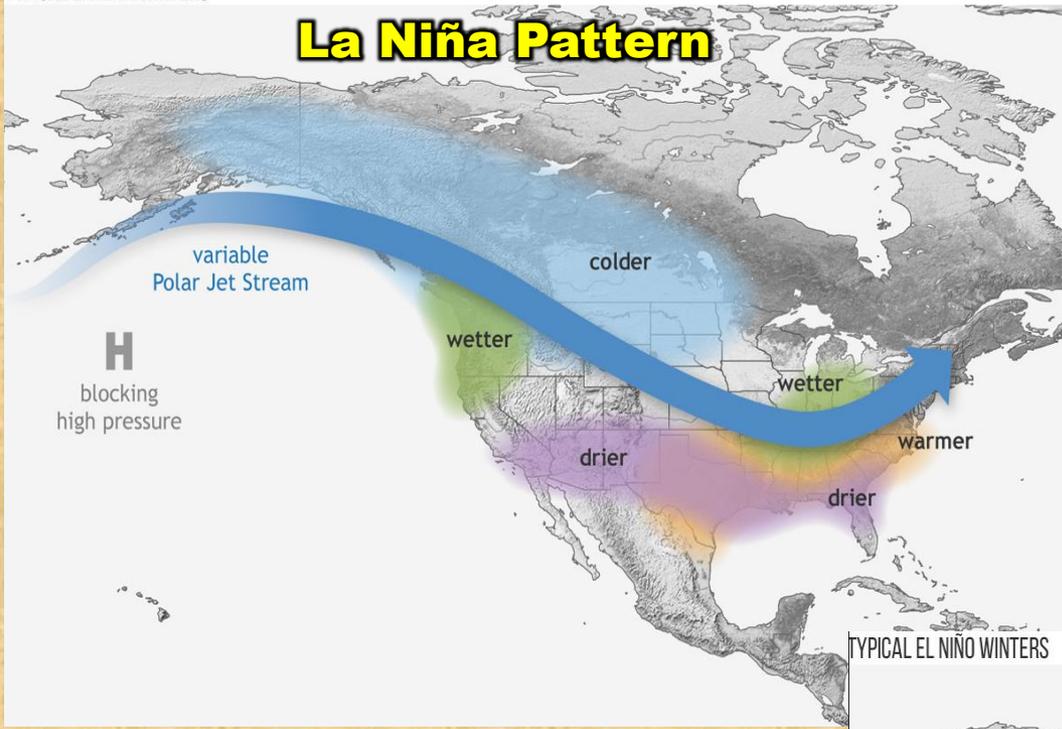
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5°C to 0.5°C



Model Predictions of ENSO from Feb 2024

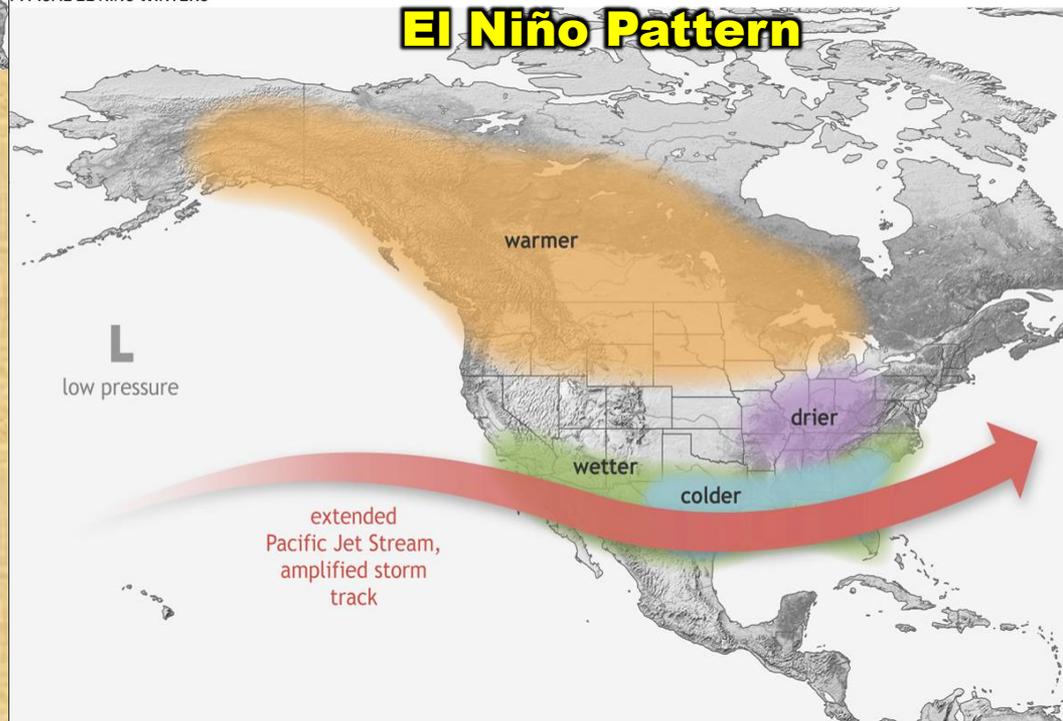


La Niña Pattern



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



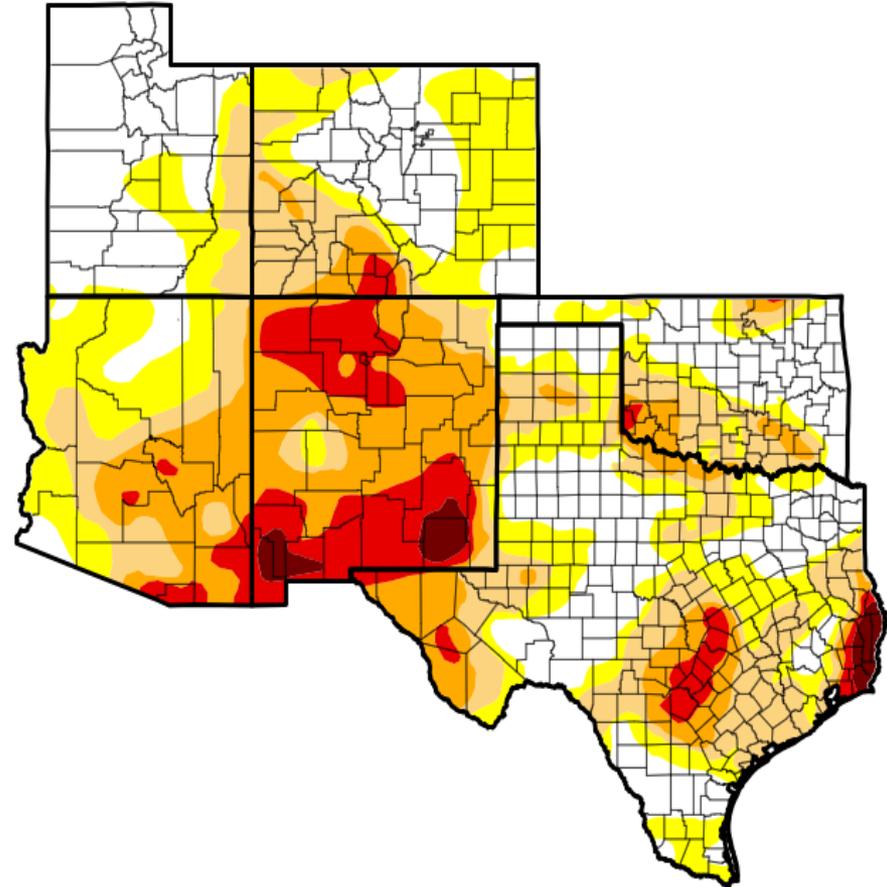
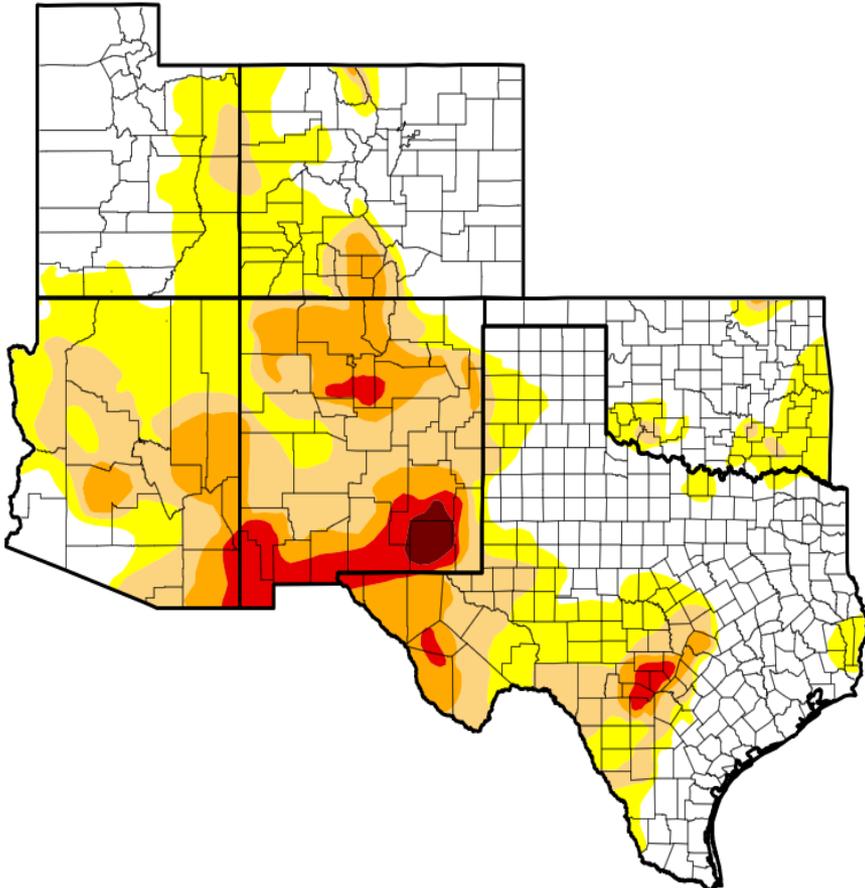
With El Niño, we often see the opposite pattern where the eastern Pacific ridge of high pressure is often weak or non-existent, allowing winter storms to sweep across the southern U.S. This typically will give the southwestern U.S. above normal precipitation.

Current drought conditions and 3 month change

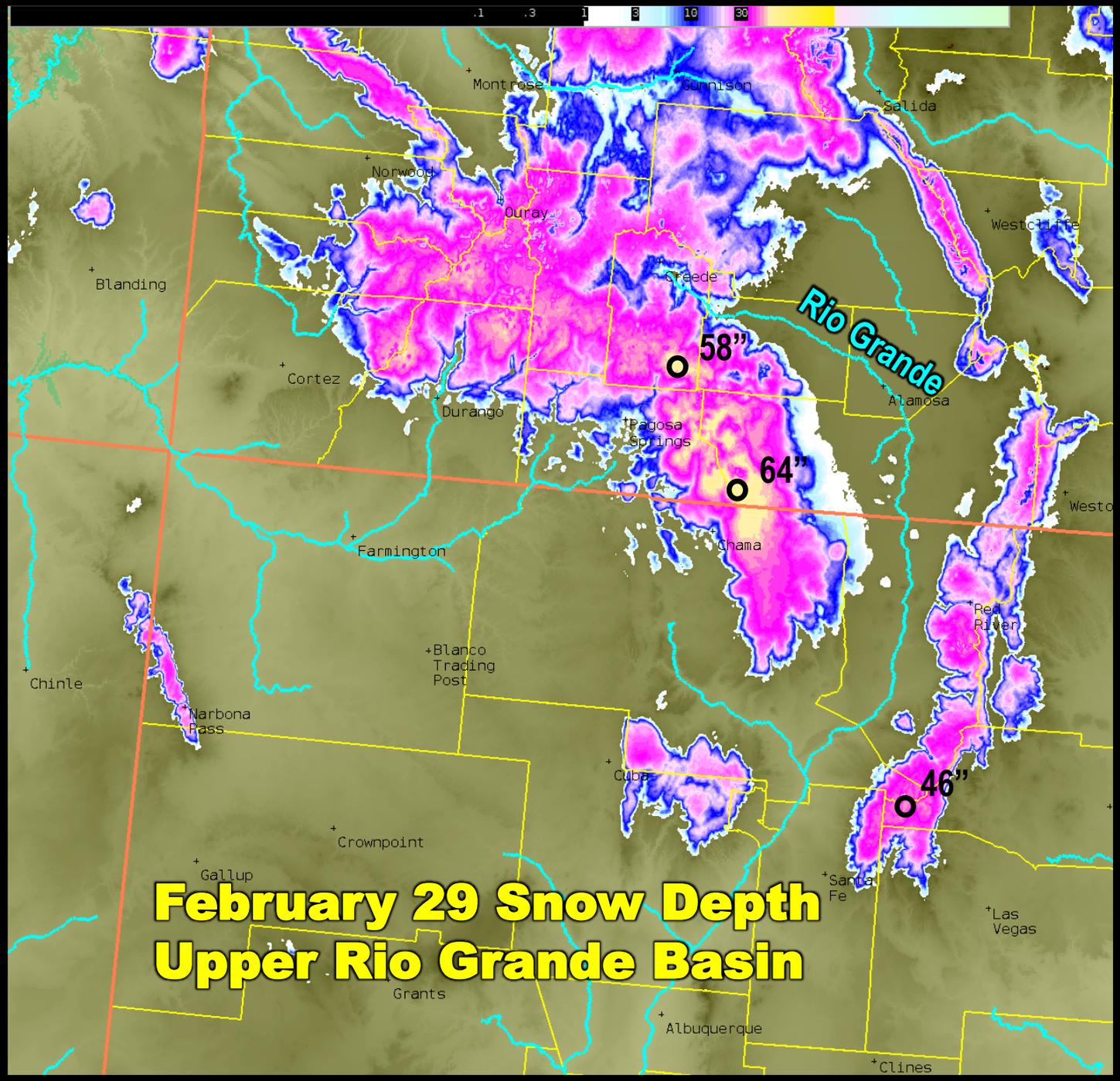
- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4

Feb 27, 2024

Nov 28, 2023

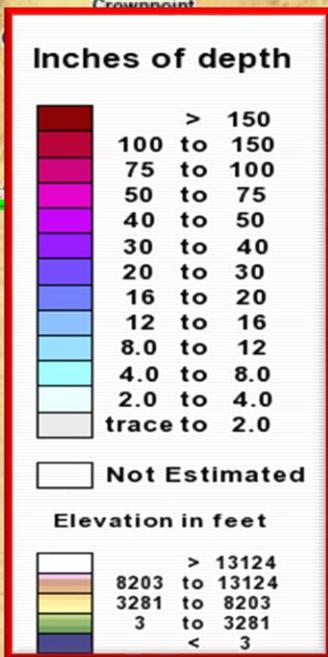
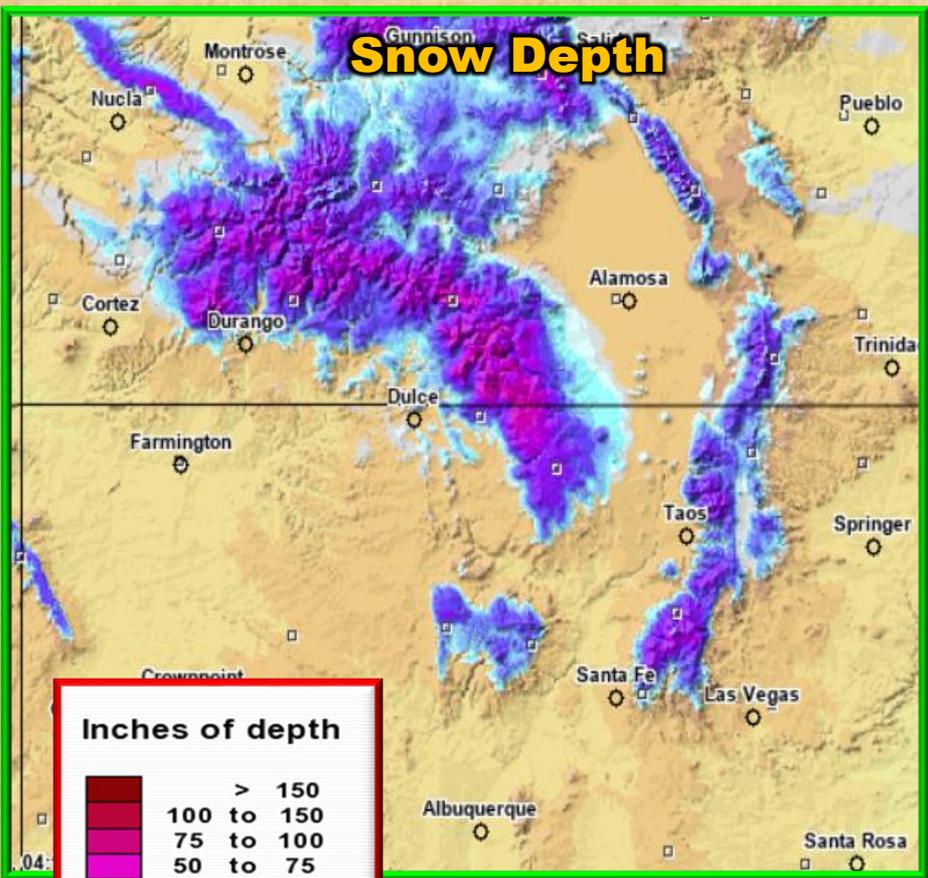


February 29 Snow Depth Upper Rio Grande Basin

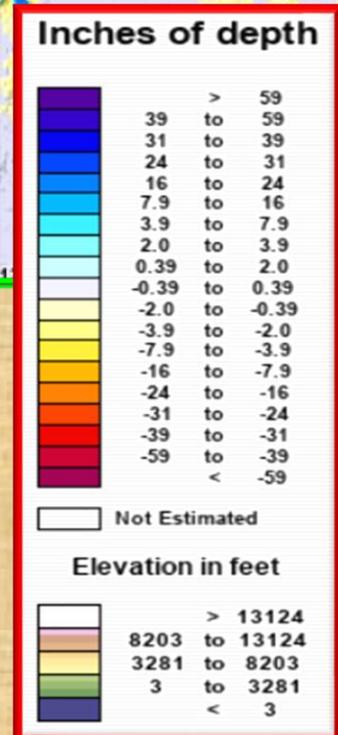
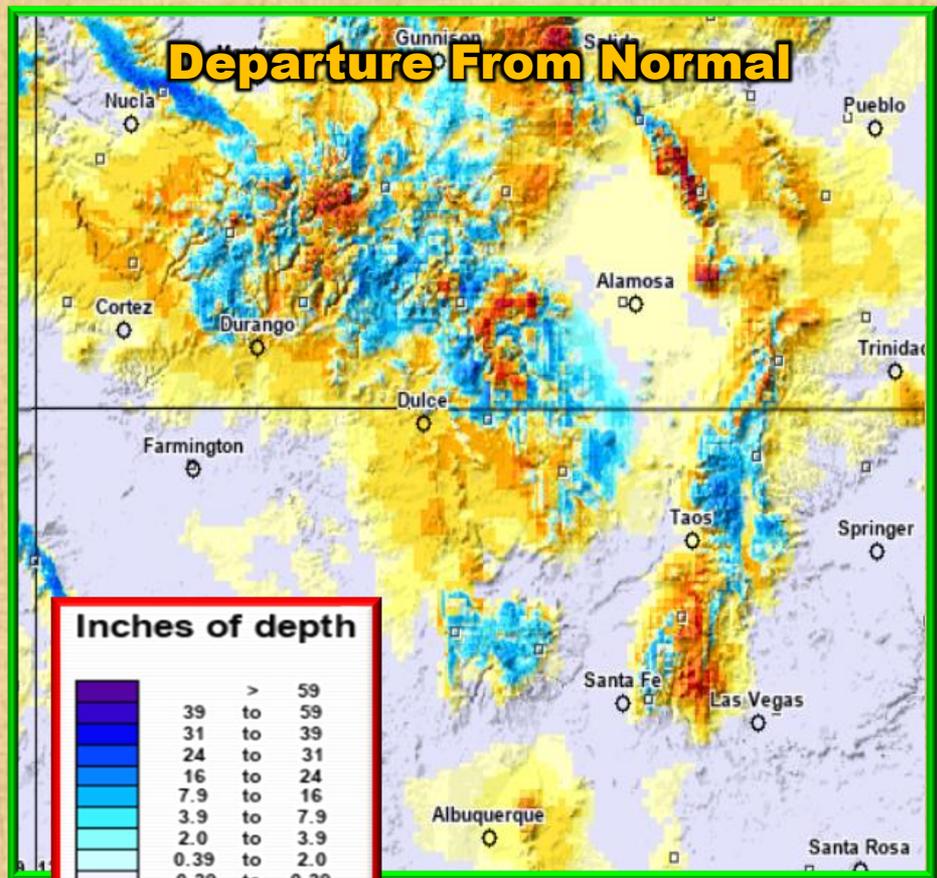


Snow Data Upper Rio Grande Basin as of February 29, 2024

Snow Depth

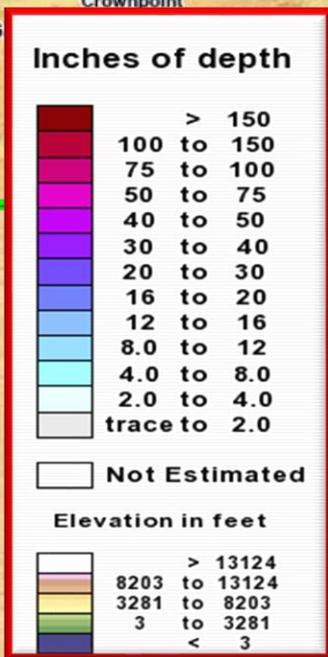
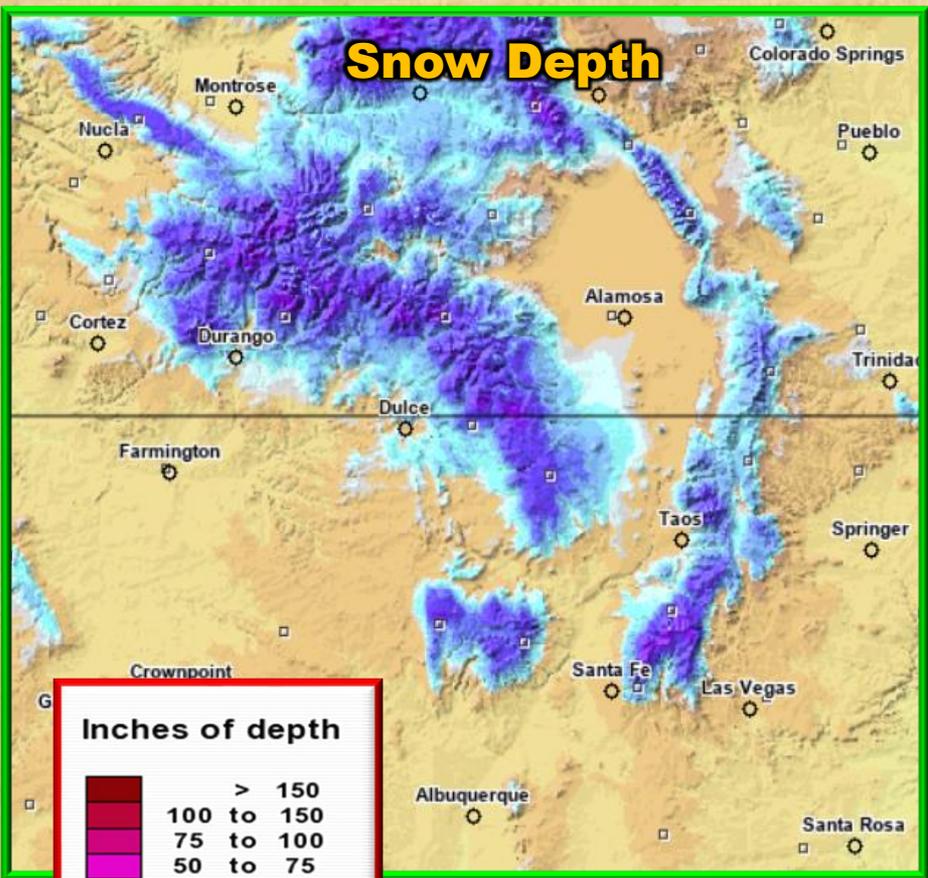


Departure From Normal

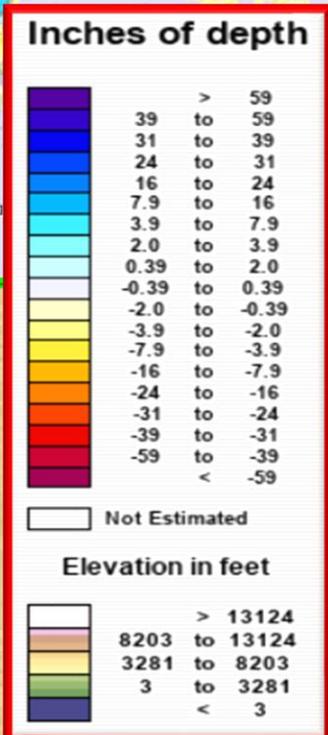
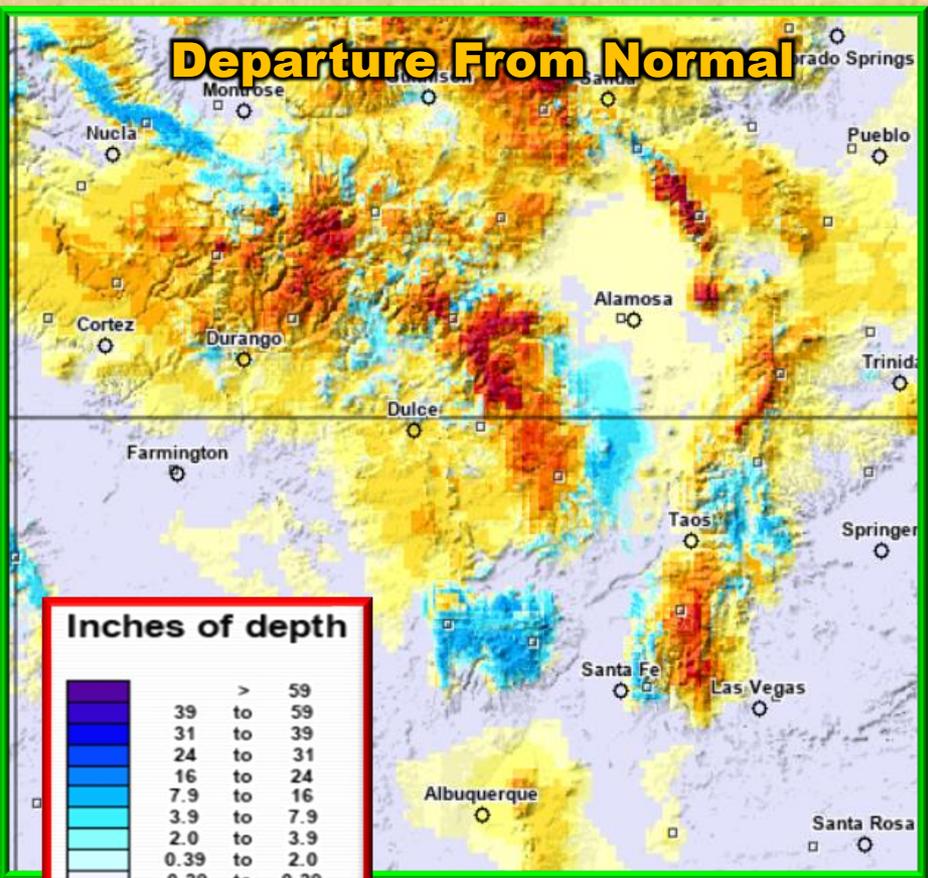


Snow Data Upper Rio Grande Basin as of Jan 31, 2024

Snow Depth

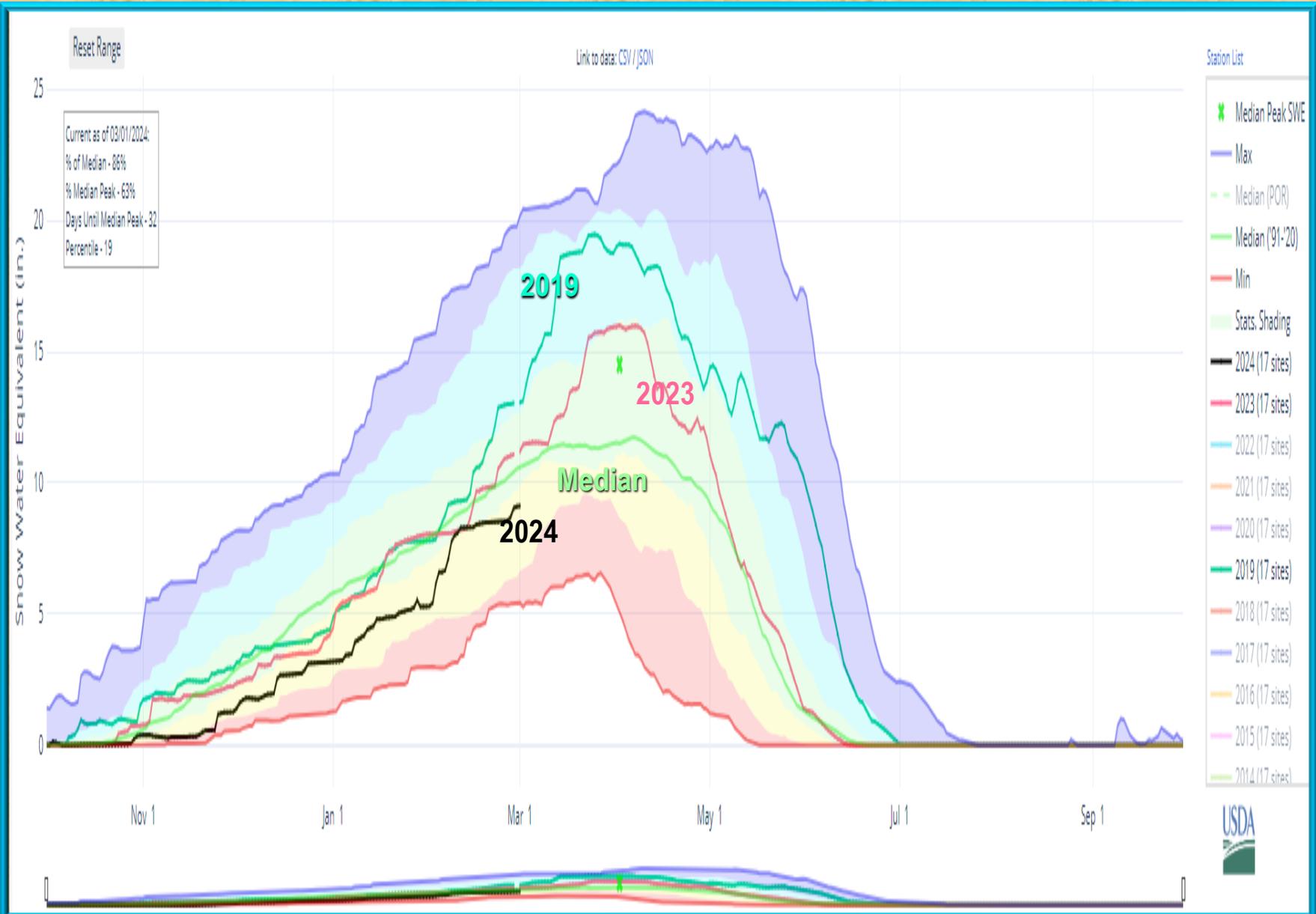


Departure From Normal



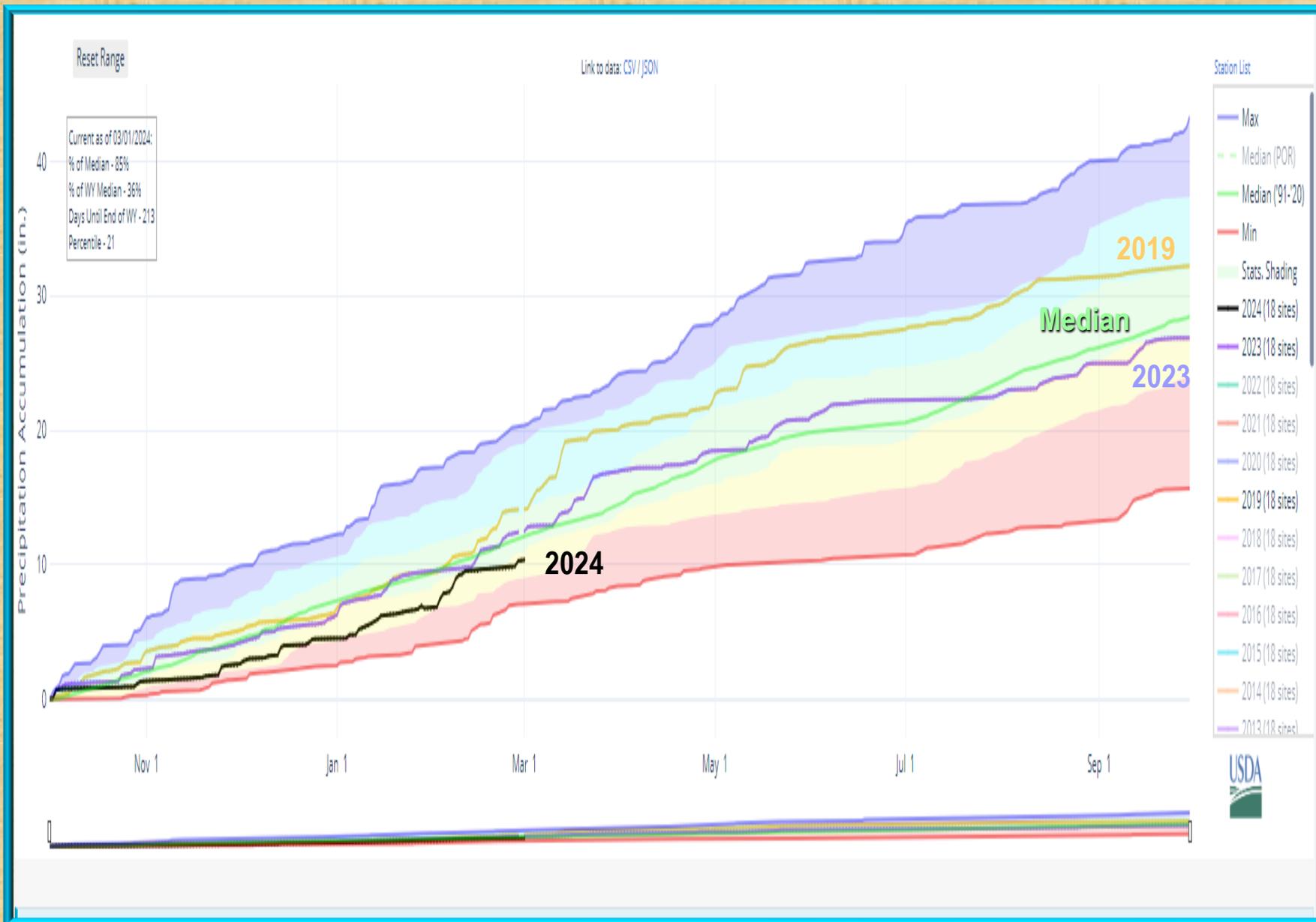
Snow Water Equivalent as of February 29, 2024

Compare to last few years and average values



Precipitation for the Water Year Oct 1 – Feb 29, 2024

Compare to last few years and average values

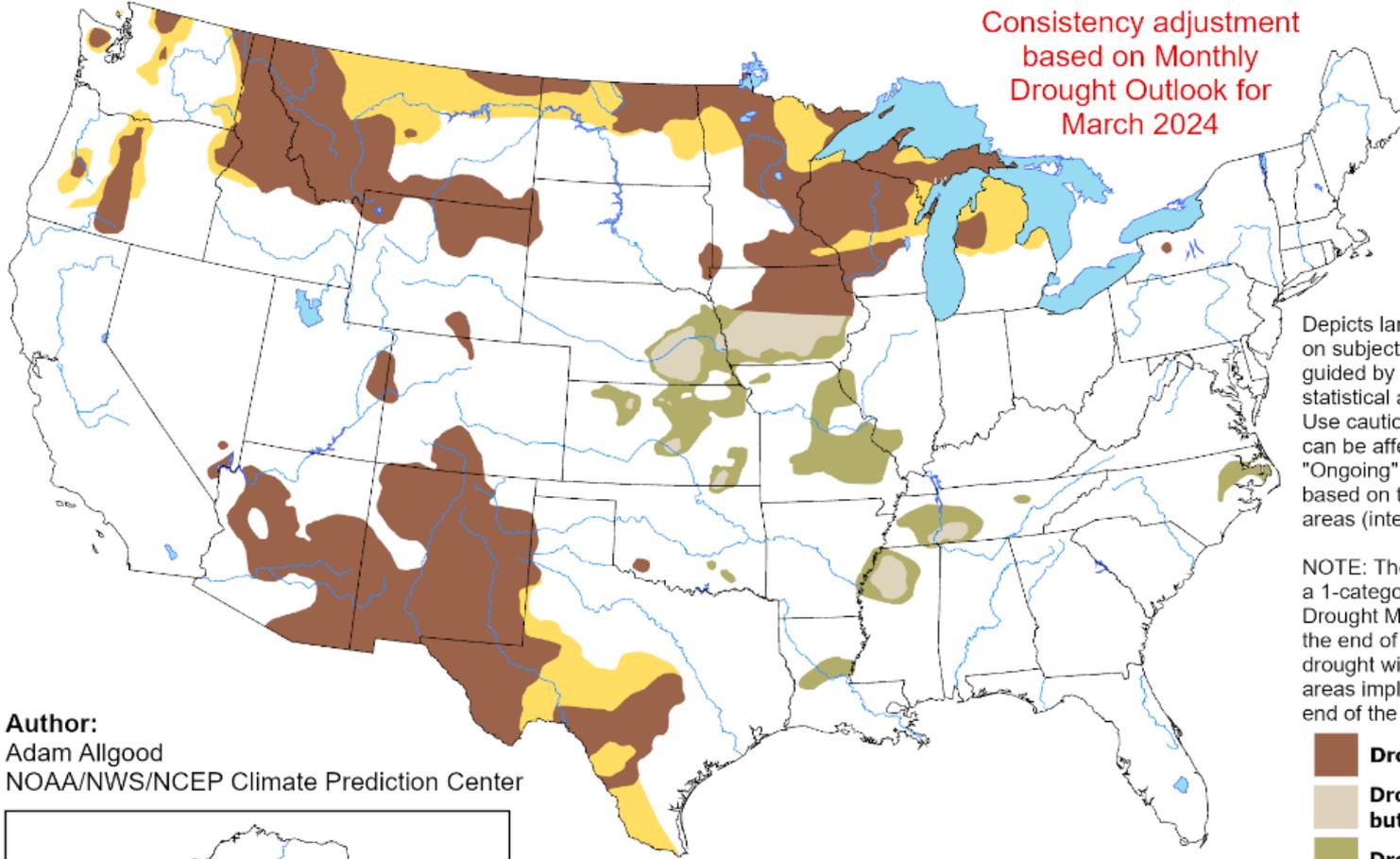


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for March 1 - May 31, 2024
Released February 29, 2024

Consistency adjustment
based on Monthly
Drought Outlook for
March 2024

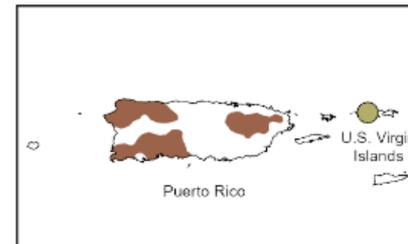
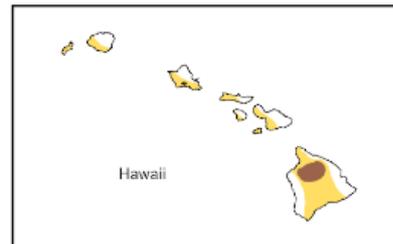


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

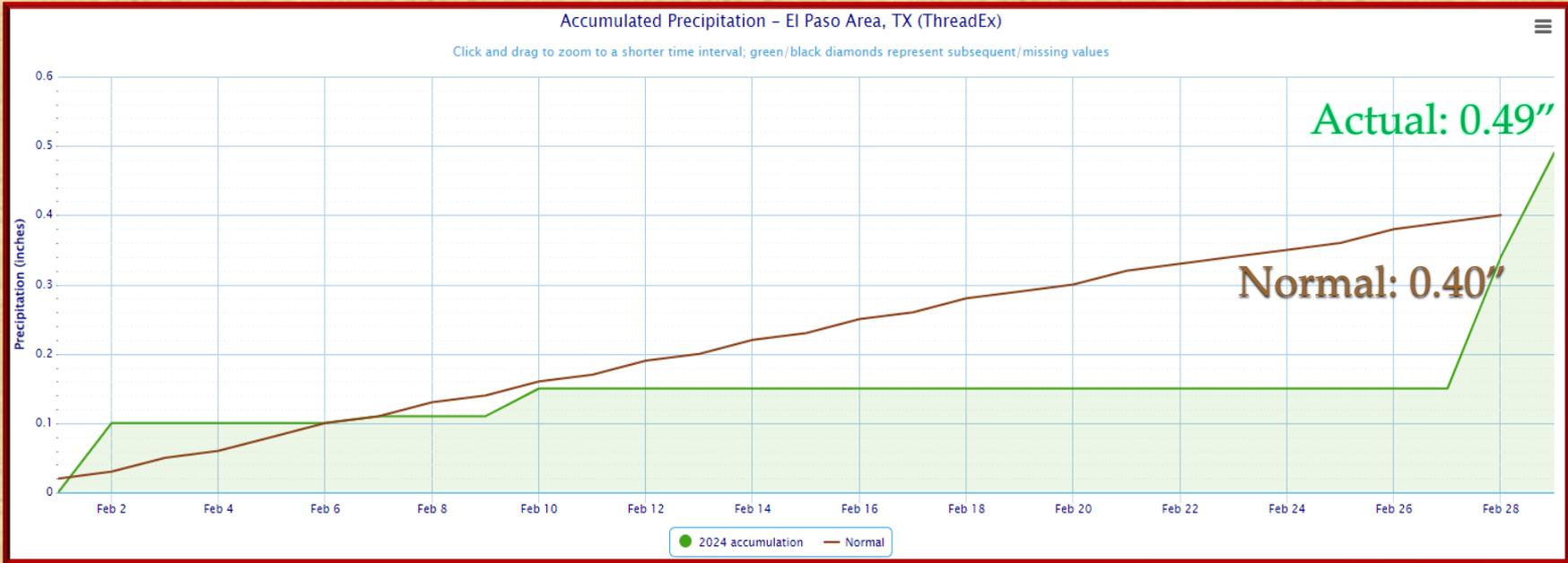
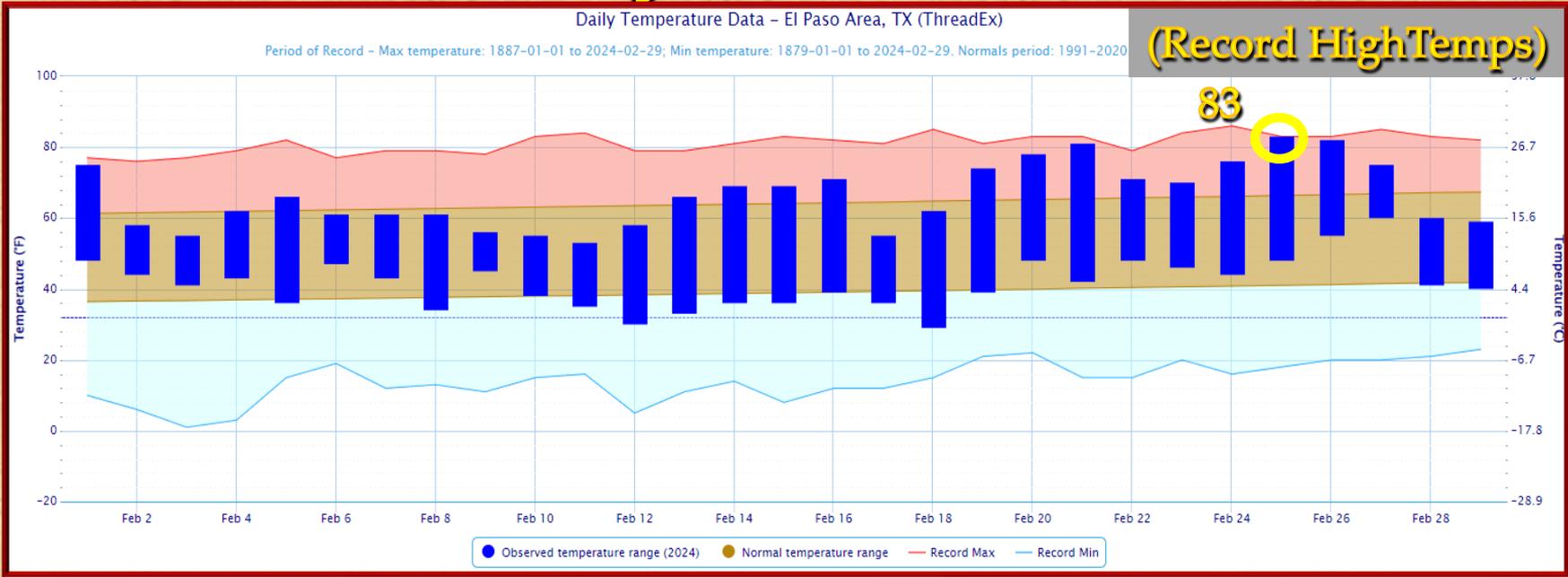
Author:
Adam Allgood
NOAA/NWS/NCEP Climate Prediction Center



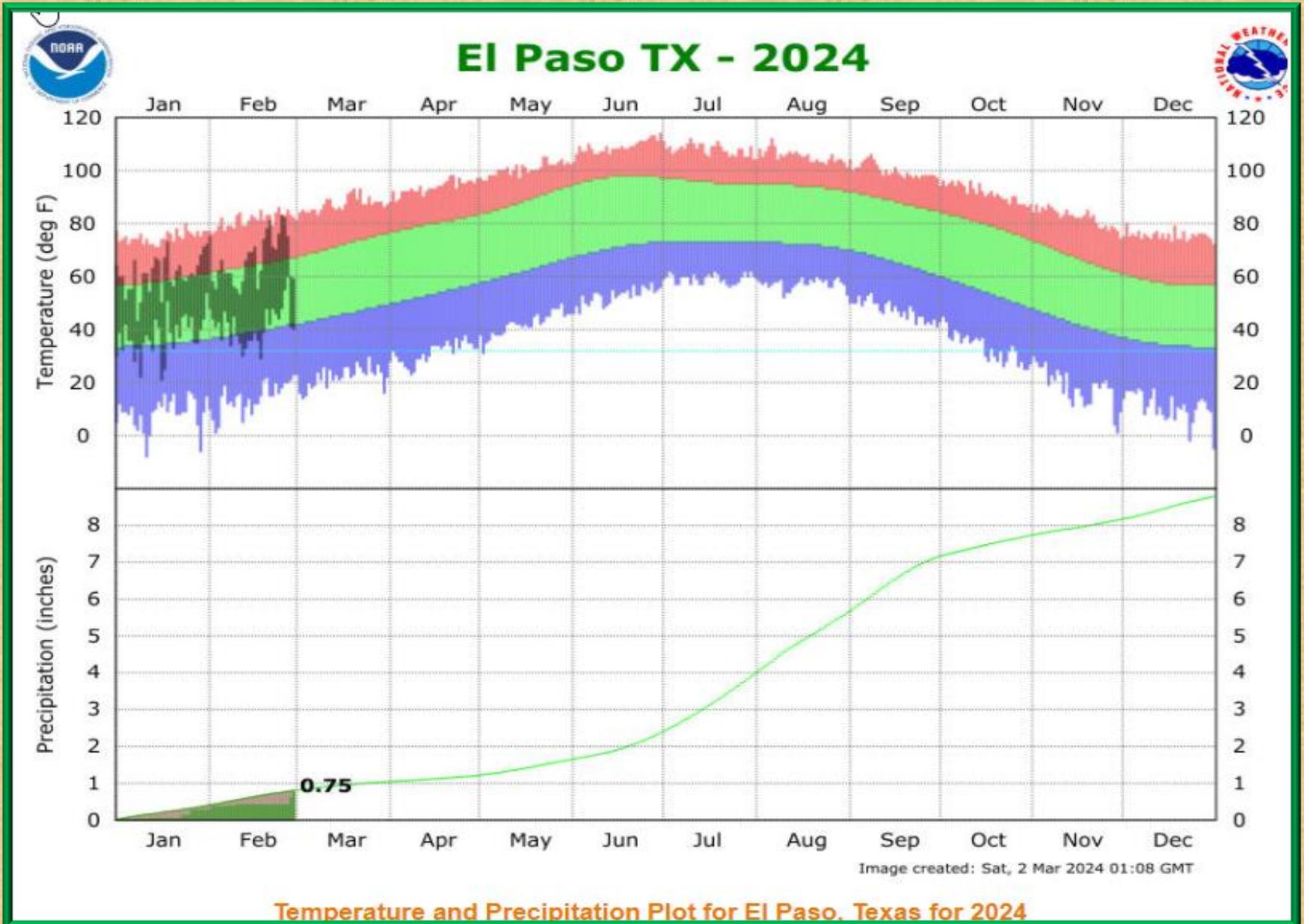
<https://go.usa.gov/3eZ73>

Temperature and precipitation data for February 2024 in El Paso

○ = record

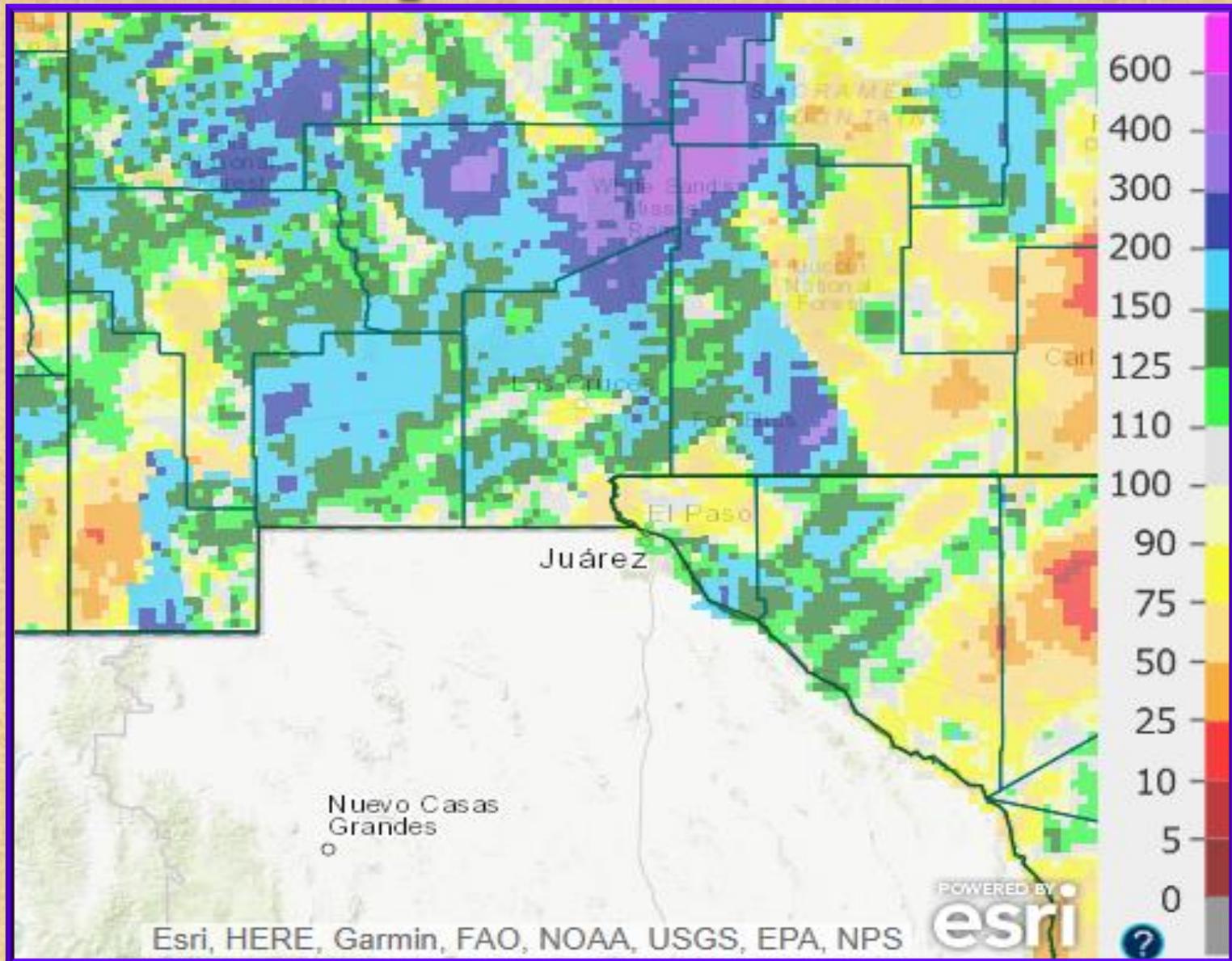


Temperature and Precipitation Year-to-date for 2024 for El Paso

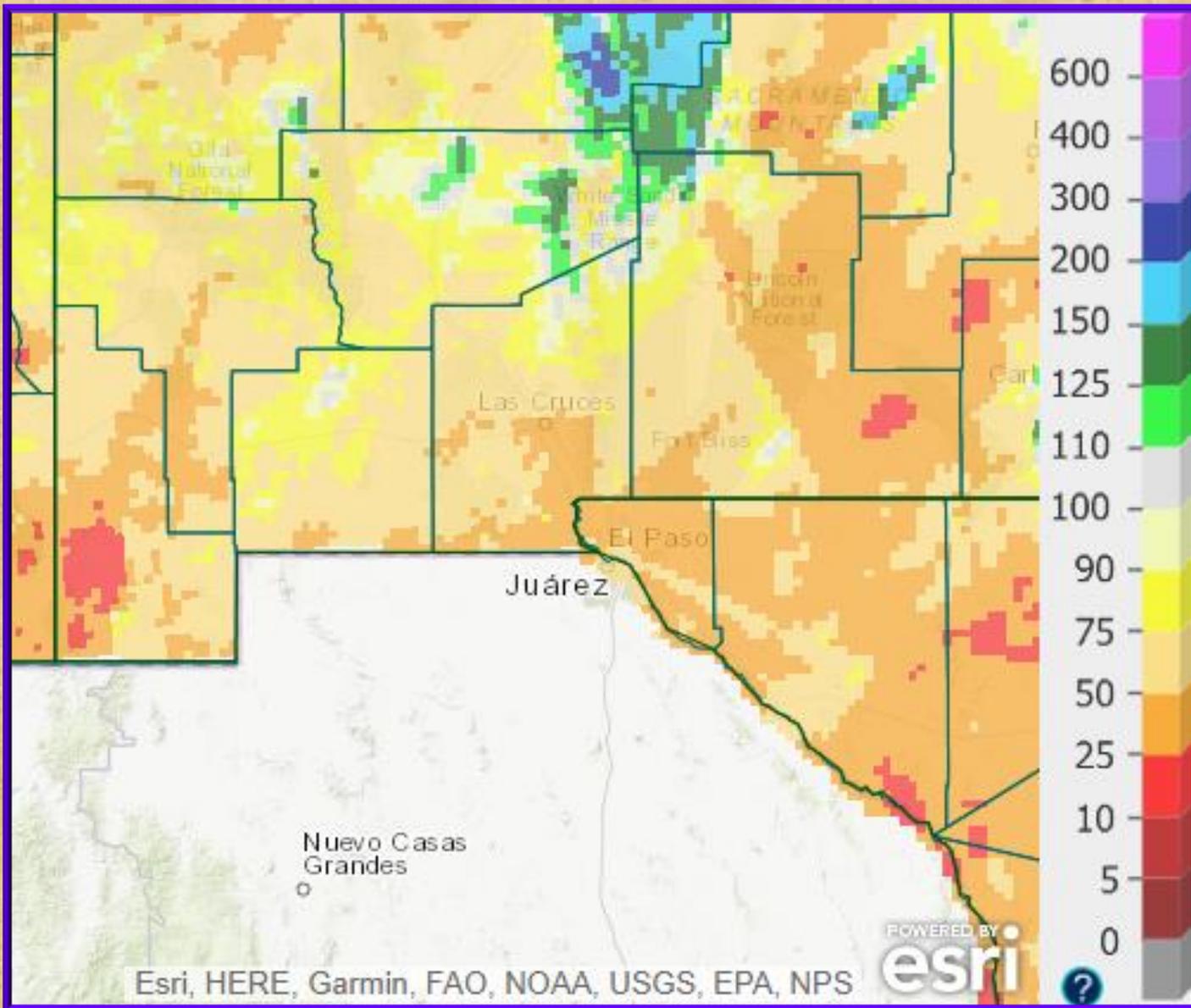


Temperature and Precipitation Plot for El Paso, Texas for 2024

February 2024 rainfall estimate percent of normal



Radar rainfall estimate percent of normal for the Water Year (Oct 1 – Feb 29)



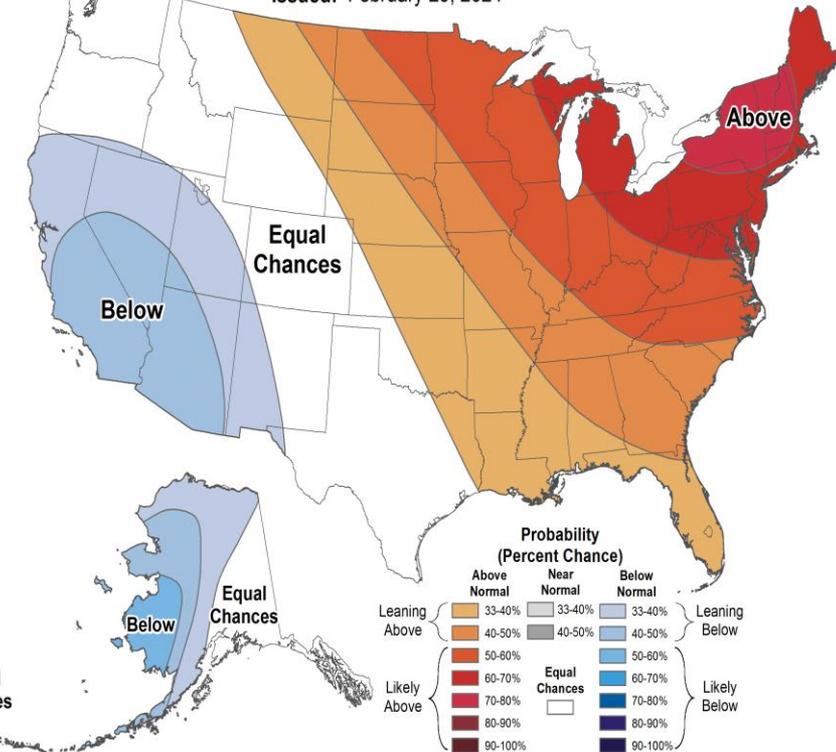
Temperature and precipitation outlook For March 2024

Temperature

Precipitation

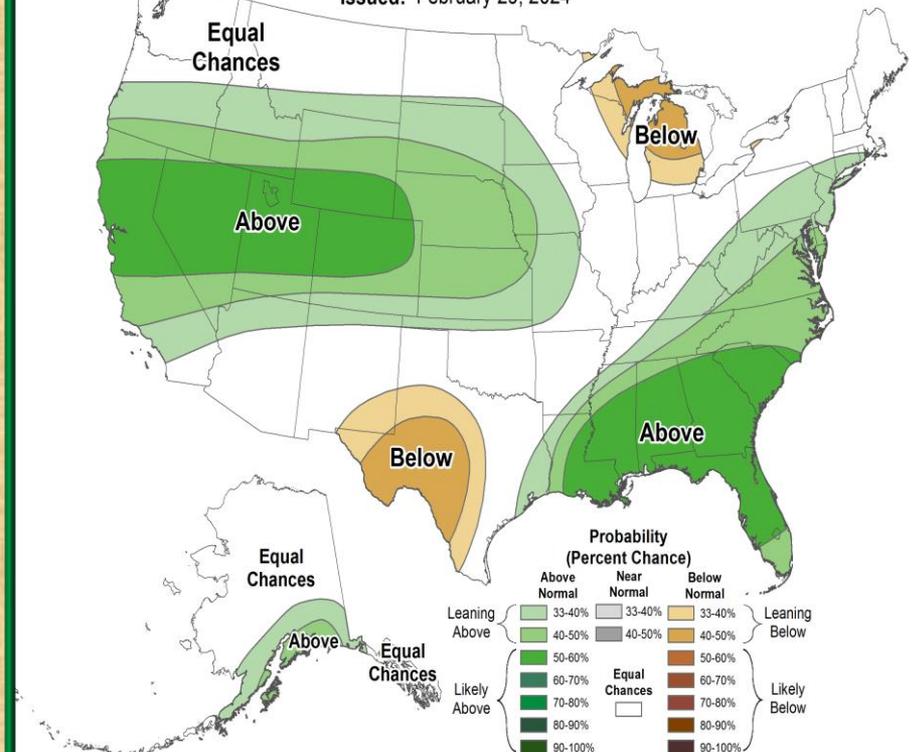
Monthly Temperature Outlook

Valid: March 2024
Issued: February 29, 2024



Monthly Precipitation Outlook

Valid: March 2024
Issued: February 29, 2024



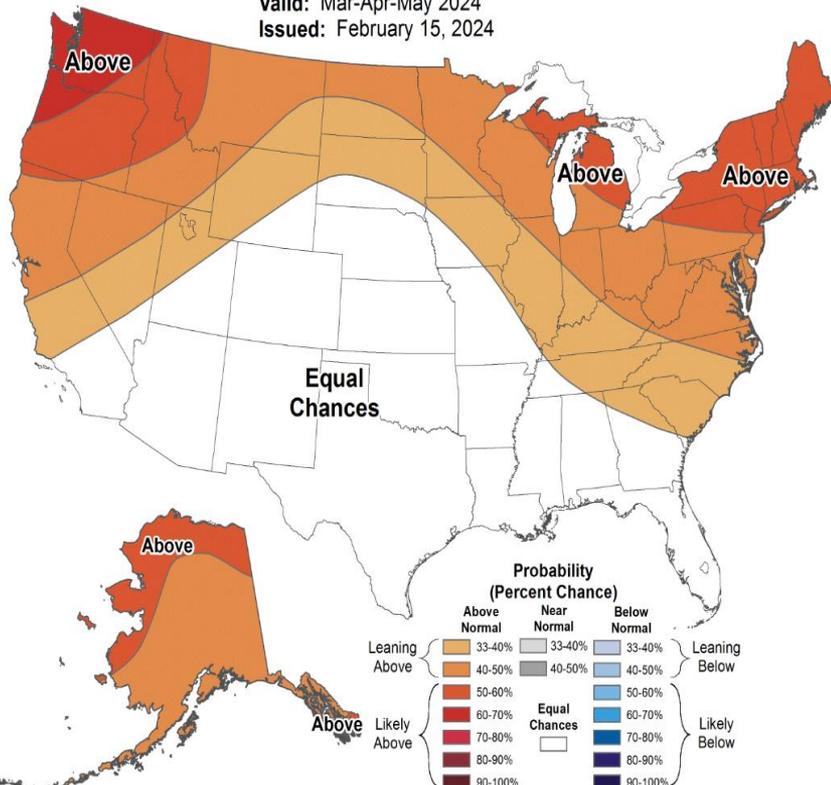
Temperature and precipitation outlook for Mar-May 2024

Temperature

Precipitation

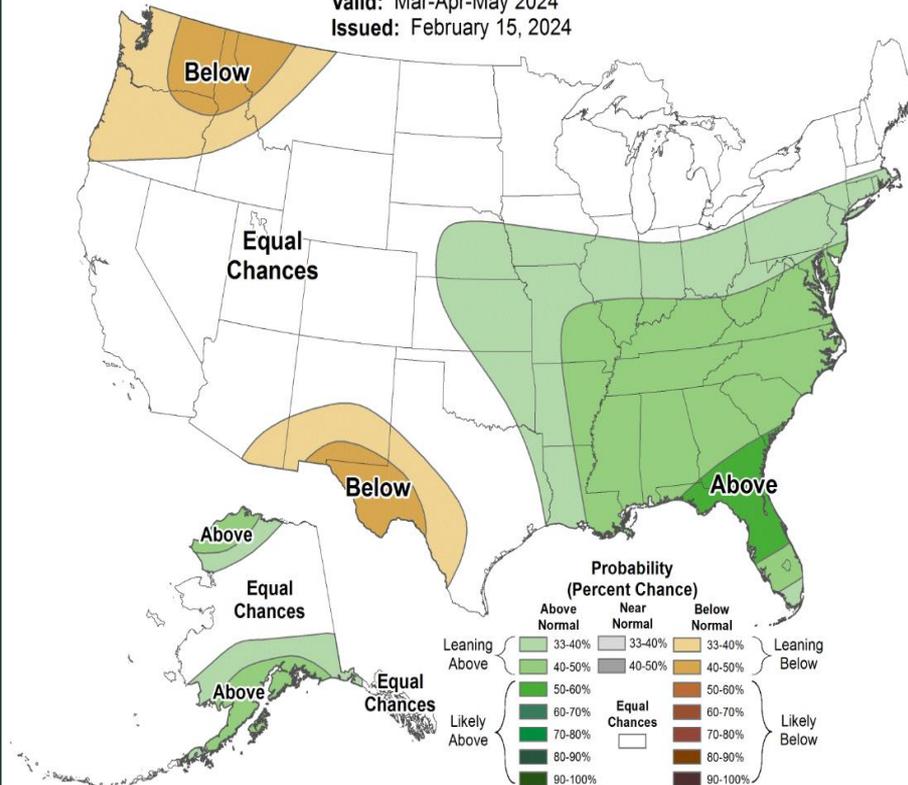
Seasonal Temperature Outlook

Valid: Mar-Apr-May 2024
Issued: February 15, 2024



Seasonal Precipitation Outlook

Valid: Mar-Apr-May 2024
Issued: February 15, 2024



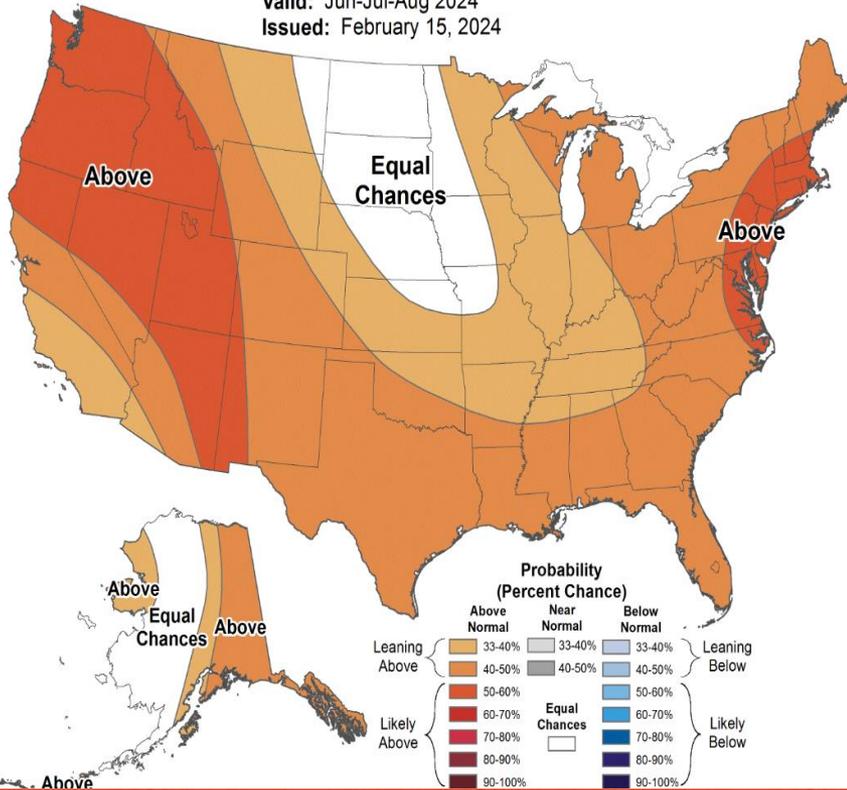
Temperature and precipitation outlook for Jun-Aug 2024

Temperature

Precipitation

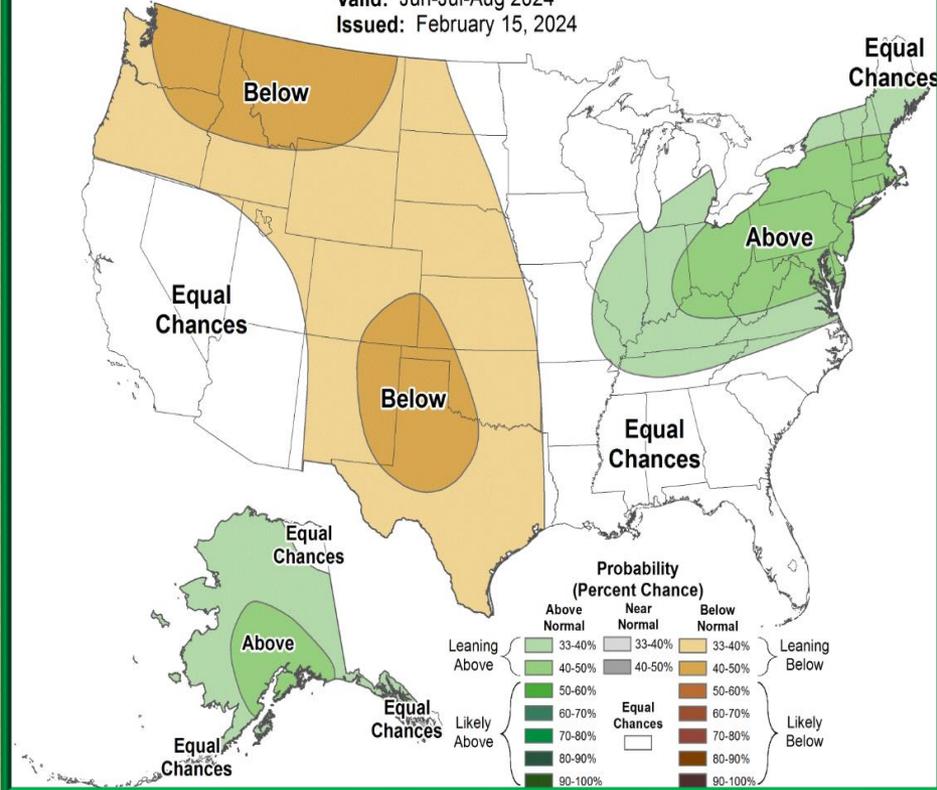
Seasonal Temperature Outlook

Valid: Jun-Jul-Aug 2024
Issued: February 15, 2024



Seasonal Precipitation Outlook

Valid: Jun-Jul-Aug 2024
Issued: February 15, 2024

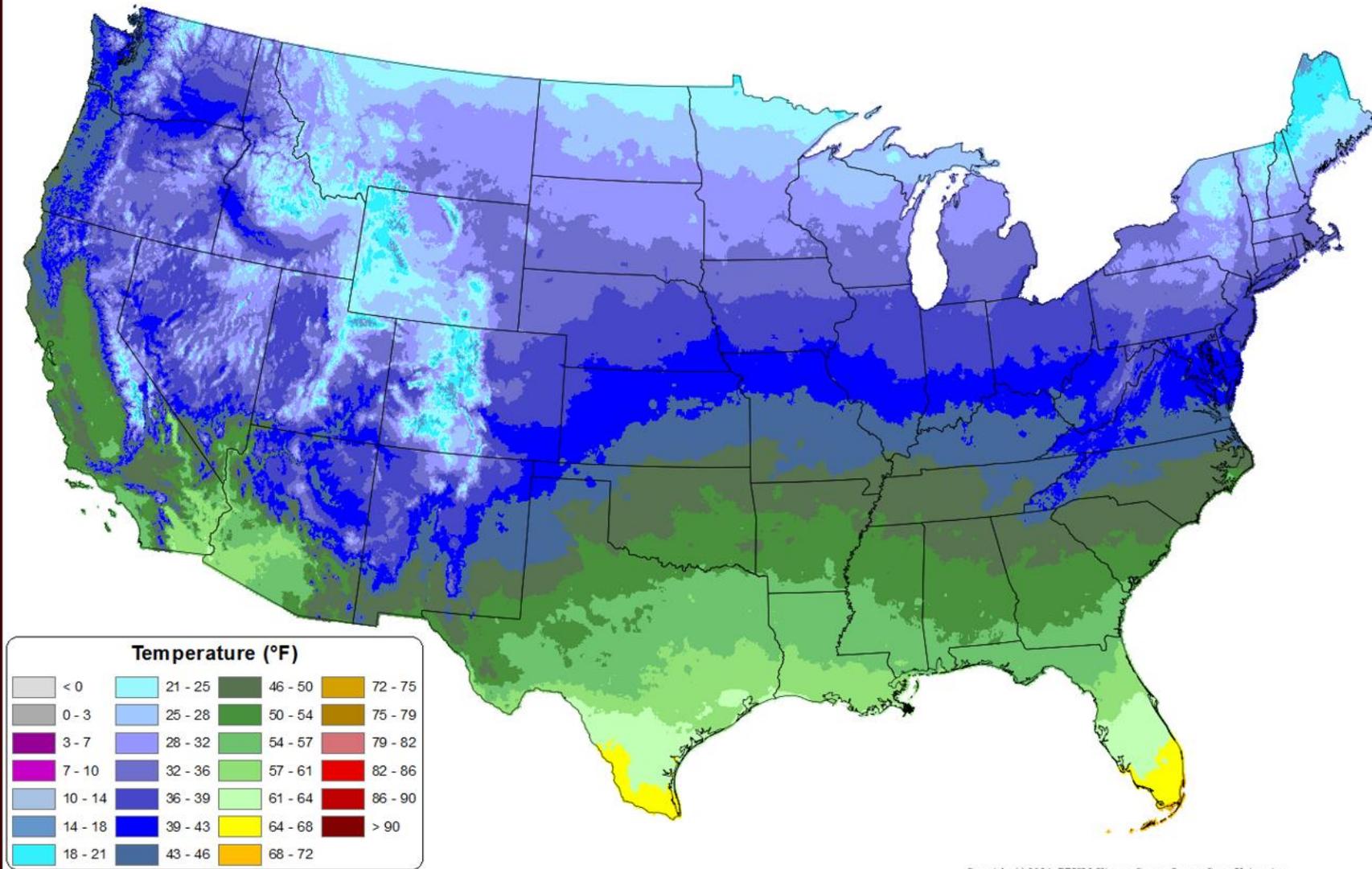


Average Daily Mean Temperature for February 2024

Average Daily Mean Temperature: 01 Feb 2024 - 29 Feb 2024

Period ending 7 AM EST 29 Feb 2024

(Map created 01 Mar 2024)

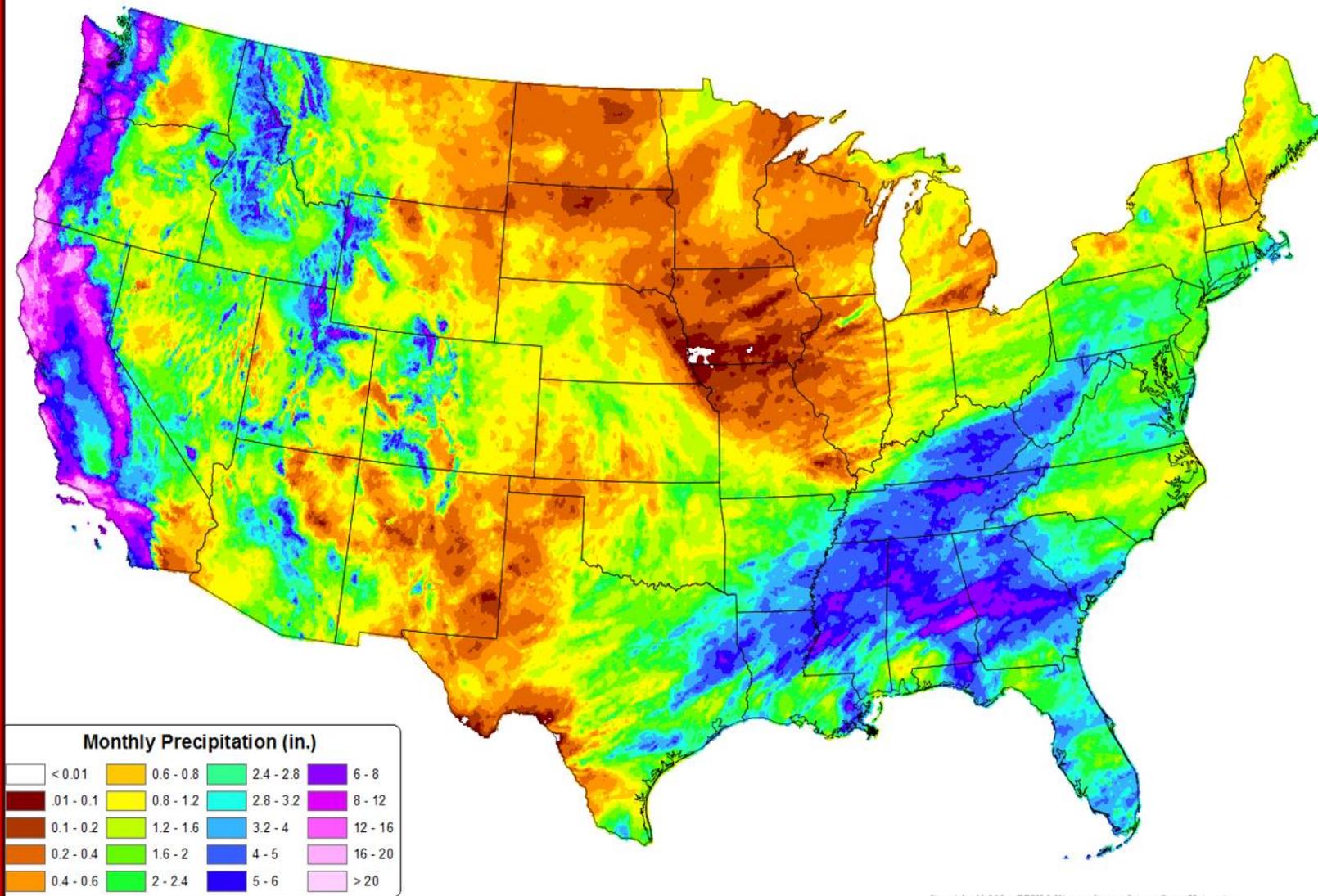


Total Precipitation for February 2024

Total Precipitation: 01 Feb 2024 - 29 Feb 2024

Period ending 7 AM EST 29 Feb 2024

(Map created 01 Mar 2024)



Selected Weather Reports February 2024

Date/Time	Location (County)	Event
FEB 7 420 PM	SAN AUGUSTIN PASS-DONA ANA	68 MPH PEAK WIND GUST
FEB 7 433 PM	SIERRA BLANCA-HUDSPETH	54 MPH PEAK WIND GUST
FEB 7 1010 AM	WSMR MAIN POST-DONA ANA	49 MPH PEAK WIND GUST
FEB 7 241 PM	MESCALERO-OTERO	48 MPH PEAK WIND GUST
FEB 7 408 PM	DEMING AIRPORT-LUNA	46 MPH PEAK WIND GUST
FEB 7 359 PM	HIGH ROLLS-OTERO	45 MPH PEAK WIND GUST
FEB 7 222 PM	T OR C AIRPORT-SIERRA	44 MPH PEAK WIND GUST
FEB 7 509 PM	EL PASO INTL AIRPORT-EL PASO	44 MPH PEAK WIND GUST
FEB 7 201 PM	DELL CITY-HUDSPETH	42 MPH PEAK WIND GUST
FEB 7 515 PM	GRANT CO AIRPORT-GRANT	40 MPH PEAK WIND GUST
FEB 11 700 AM	CLOUDCROFT 2SW-OTERO	12.0 INCHES SNOWFALL
FEB 11 700 AM	CLOUDCROFT 2S-OTERO	6.5 INCHES SNOWFALL

Selected Weather Reports February 2024

Date/Time	Location (County)	Event
FEB 11 700 AM	SILVER CITY 4W-GRANT	5.3 INCHES SNOWFALL
FEB 11 700 AM	BAYARD 3N-GRANT	4.3 INCHES SNOWFALL
FEB 11 700 AM	LA LUZ 6NE-OTERO	4.0 INCHES SNOWFALL
FEB 21 240 PM	SAN AUGUSTIN PASS-DONA ANA	77 MPH PEAK WIND
FEB 21 1150 AM	WSMR MUSEUM-DONA ANA	56 MPH PEAK WIND
FEB 21 320 PM	LORDSBURG PLAYA MP11-HIDALGO	56 MPH PEAK WIND
FEB 21 208 PM	EL PASO INTL AIRPORT-EL PASO	55 MPH PEAK WIND
FEB 21 1206 PM	DEMING AIRPORT-LUAN	56 MPH PEAK WIND
FEB 21 1225 PM	T OR C AIRPORT-SIERRA	52 MPH PEAK WIND
FEB 21 141 PM	MESCALERO-OTERO	51 MPH PEAK WIND
FEB 21 244 PM	HIGH ROLLS-OTERO	48 MPH PEAK WIND
FEB 21 200 PM	SILVER CITY MTN VIEW-GRANT	48 MPH PEAK WIND

Selected Weather Reports February 2024

Date/Time	Location (County)	Event
FEB 21 211 PM	SIERRA BLANCA-HUDSPETH	47 MPH PEAK WIND
FEB 2 1326 PM	DRIPPING SPRINGS-DONA ANA	47 MPH PEAK WIND
FEB 21 128 PM	DELL CITY-HUDSPETH	46 MPH PEAK WIND
FEB 21 1235 PM	HOLLOMAN AFB-OTERO	45 MPH PEAK WIND
FEB 27 335 PM	SAN AUGUSTIN PASS-DONA ANA	93 MPH PEAK WIND
FEB 27 350 PM	WSMR MAIN POST-DONA ANA	78 MPH PEAK WIND
FEB 27 1210 PM	T OR C AIRPORT-SIERRA	62 MPH PEAK WIND
FEB 27 335 PM	LAS CRUCES AIRPORT-DONA ANA	55 MPH PEAK WIND
FEB 27 250 PM	DEMING AIRPORT-LUNA	55 MPH PEAK WIND
FEB 27 339 PM	HIGH ROLLS-OTERO	54 MPH PEAK WIND
FEB 27 326 PM	DRIPPING SPRINGS-DONA ANA	52 MPH PEAK WIND
FEB 27 113 PM	HOLLOMAN AFB-OTERO	49 MPH PEAK WIND

Selected Weather Reports February 2024

Date/Time	Location (County)	Event
FEB 27 441 PM	MESCALERO-OTERO	49 MPH PEAK WIND
FEB 27 1255 PM	ALAMOGORDO AIRPORT-OTERO	48 MPH PEAK WIND
FEB 27 151 PM	EL PASO AIRPORT-EL PASO	47 MPH PEAK WIND
FEB 27 145 PM	SANTA TERESA NWS-DONA ANA	47 MPH PEAK WIND
FEB 27 1116 AM	HILLSBORO-SIERRA	46 MPH PEAK WIND
FEB 27 1205 PM	SPACEPORT-SIERRA	46 MPH PEAK WIND
FEB 27 348 PM	DELL CITY-HUDSPETH	45 MPH PEAK WIND
FEB 27 531 PM	SIERRA BLANCA-HUDSPETH	45 MPH PEAK WIND
FEB 27 1155 AM	GRANT CO AIRPORT-GRANT	43 MPH PEAK WIND
FEB 27 240 PM	LORDSBURG PLAYA MP9-HIDALGO	42 MPH PEAK WIND
FEB 27 301 PM	MAYHILL-OTERO	41 MPH PEAK WIND

Special Features

www.weather.gov/epz/elpwindrosedata

Month: FEBRUARY

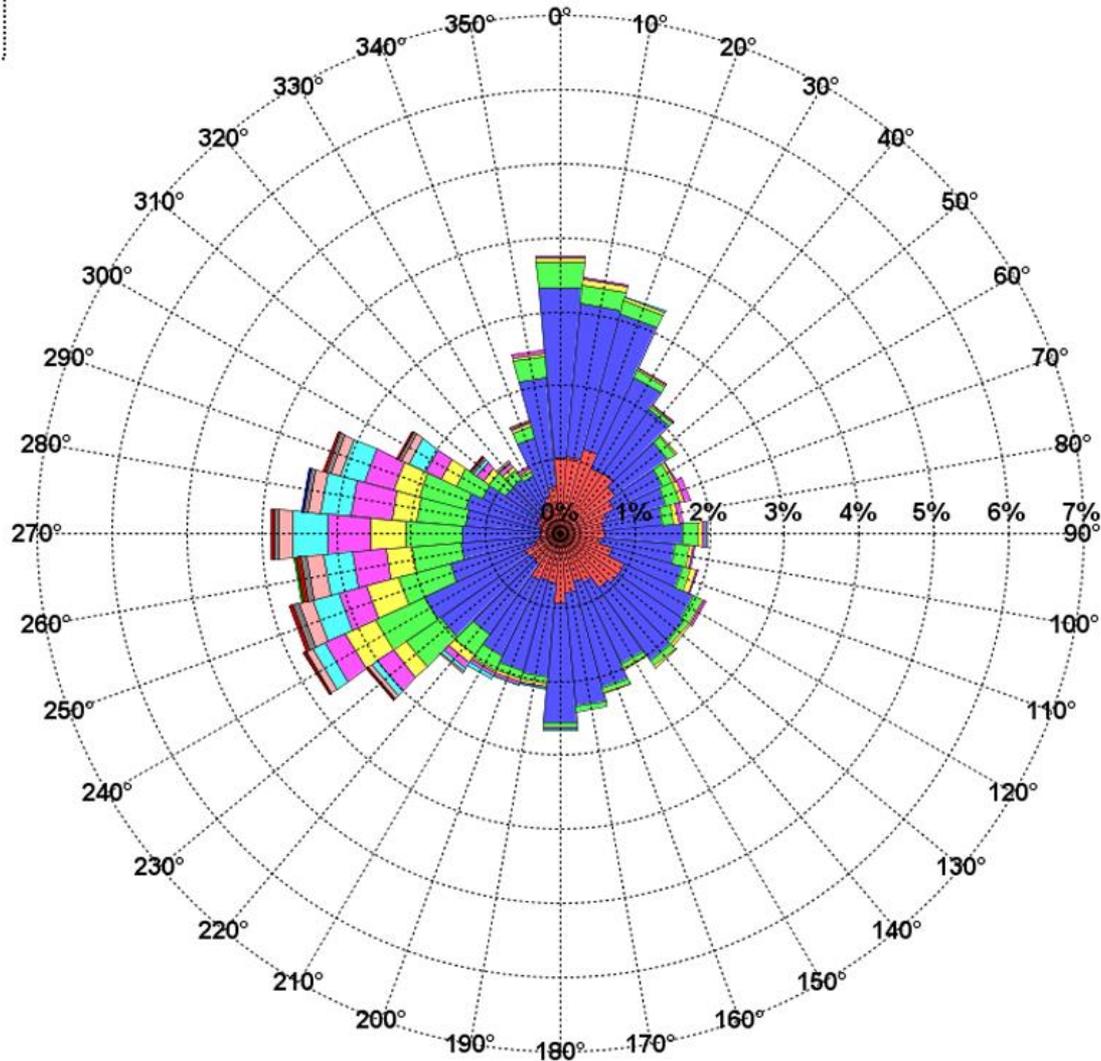
Calm: 10.51%

Variable: 1.83%

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 ...
[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](#)

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 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.