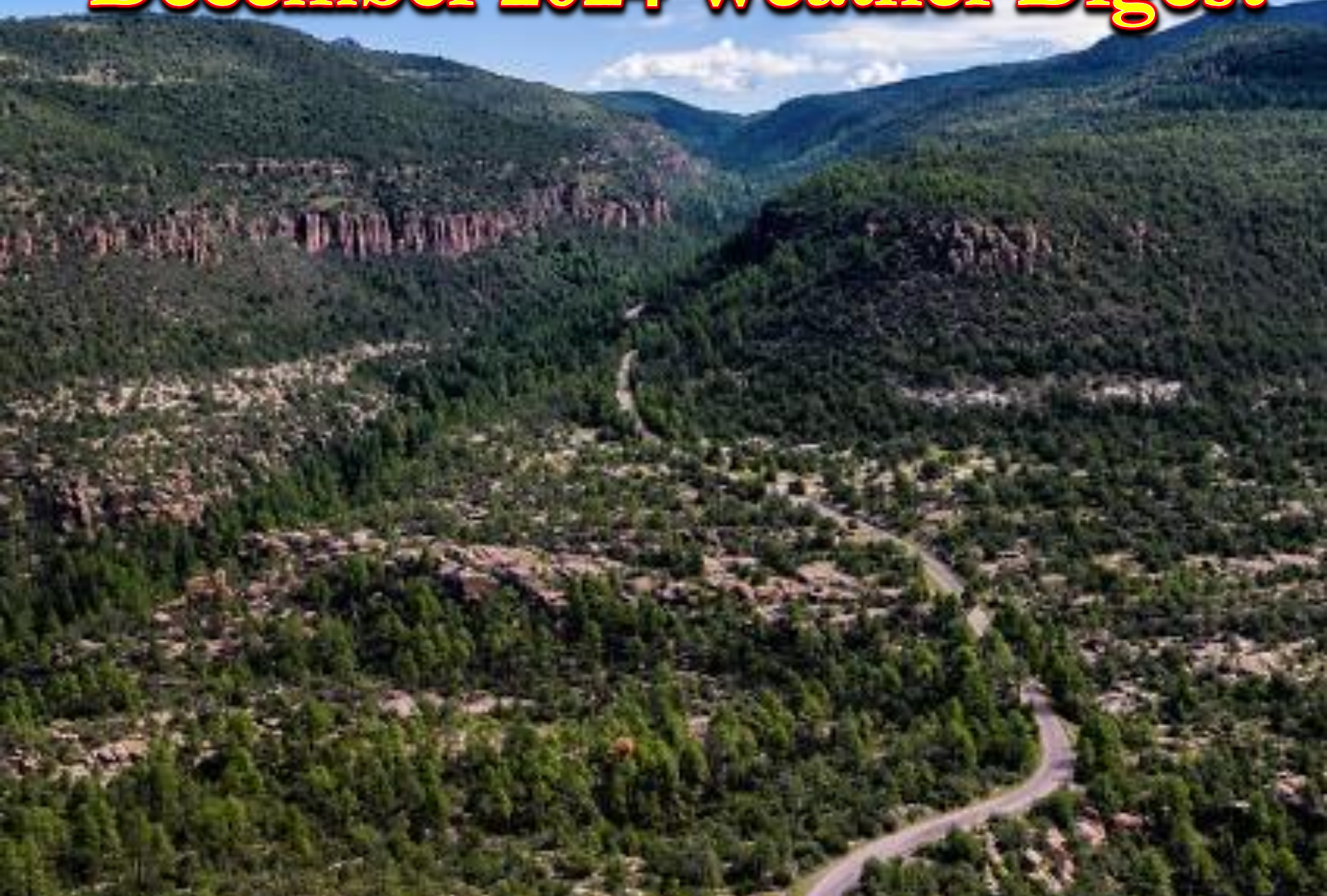


December 2024 Weather Digest



December 2024 Weather Summary

December 2024 will be remembered for two things; very warm and dry. This month was one of the hottest on record with high temperatures around the area averaging 4 to 7 degrees above normal. Most reporting sites showed this December in the top 3 or 4 all-time hottest Decembers on record. The main culprit was the eastern Pacific ridge of high pressure, which persisted just off the west coast much of the month, thus blocking any Pacific storms from coming through our area.

Of course with above normal temperatures usually comes dry weather, and that was certainly the case this December, with the majority of sites reporting one-hundredth or less of precipitation. Needless to say the entire area was near zero percent of normal.

December 2024 Weather Summary

Looking ahead to January, we continue to slowly increase daylength and eventually see our average temperatures start to slowly warm. Daylength on the 1st is 10 hours, 7 mins, while on the 31st it increases to 10 hours, 40 mins. At El Paso, the average high temperature on Jan 1 is 57°, warming to 61° on Jan 31. The January full moon will occur on January 13, also known as the Wolf Moon. The New Moon occurs on January 29.

Dec 12 Silver City Sky



Dec 12 Silver City Sky



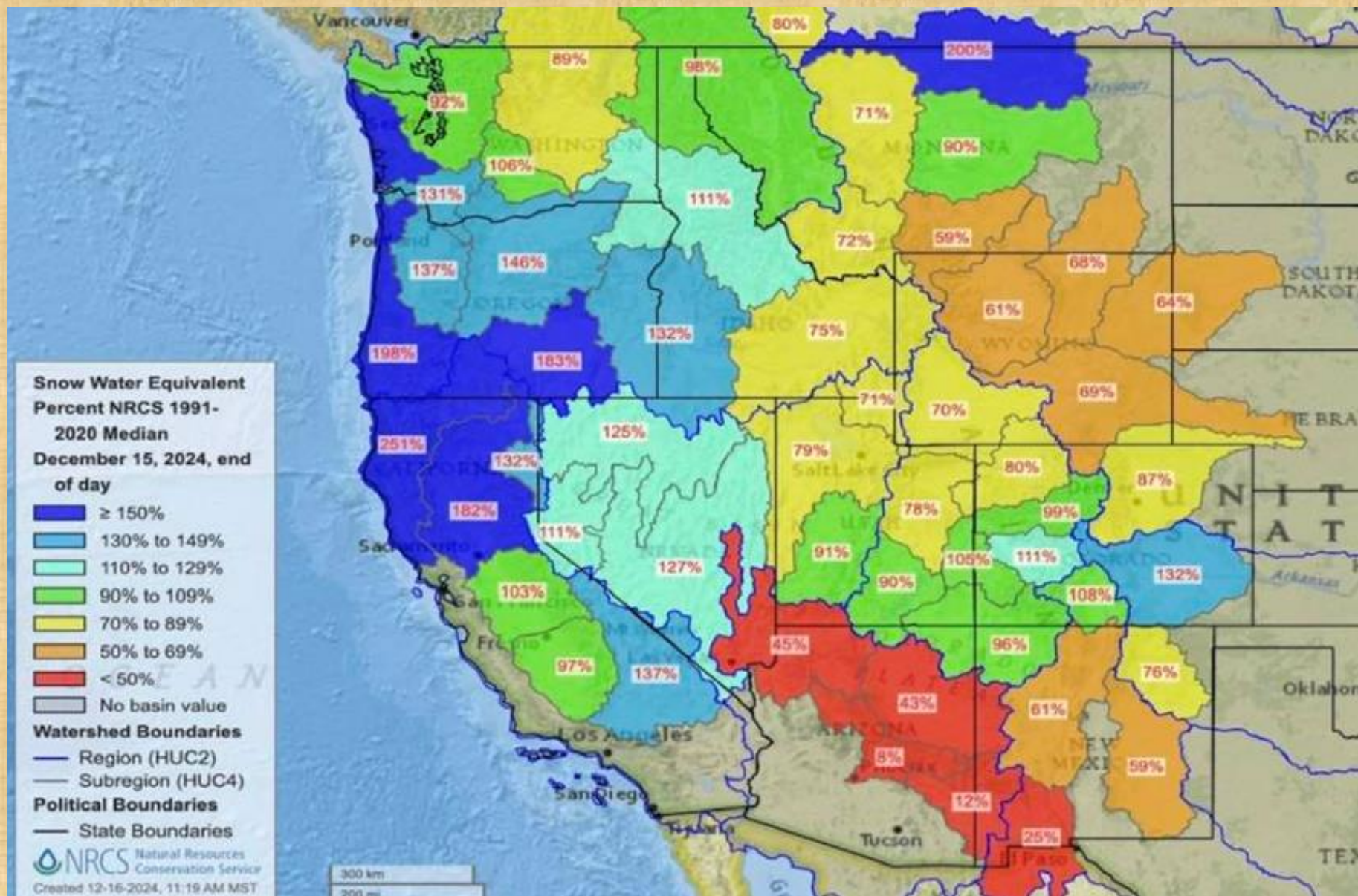
Dec 12 Silver City Sky



Dec 12 Silver City Sky



Snow pack for western mountains as of mid December. Upper Rio Grande Basin was around 95-110% of normal



ENSO Alert System Status: **La Niña Watch is in effect**

ENSO Alert System

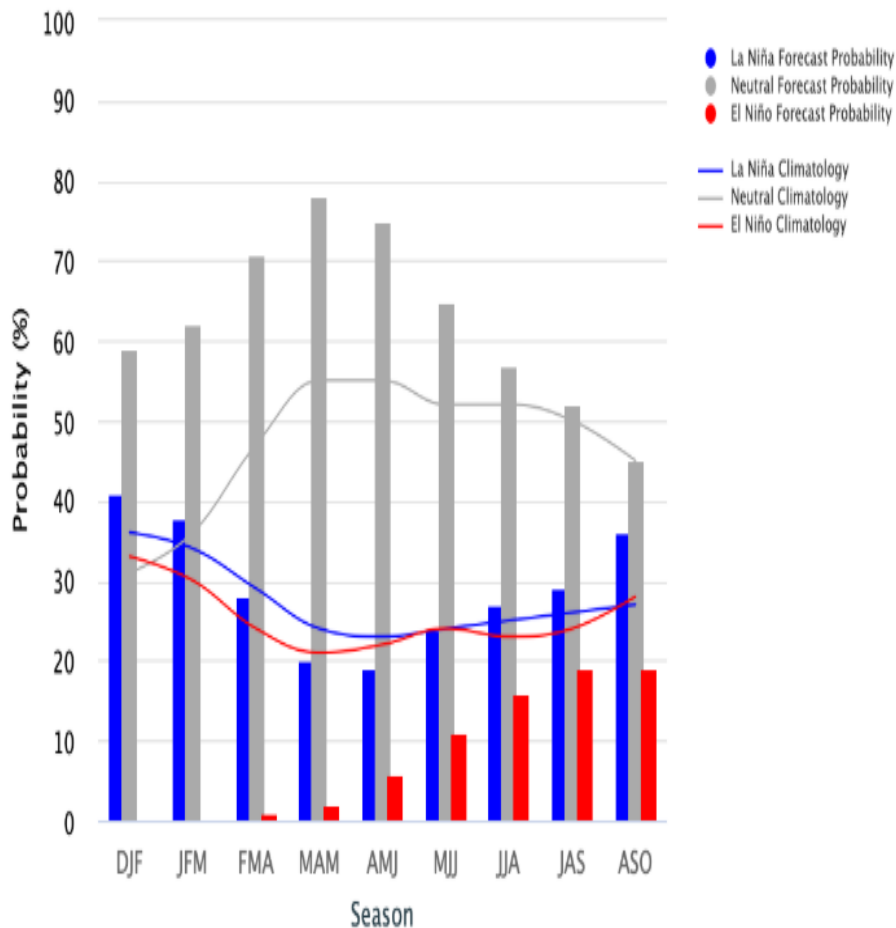
- **El Niño or La Niña Watch:** Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.
- **El Niño or La Niña Advisory:** Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

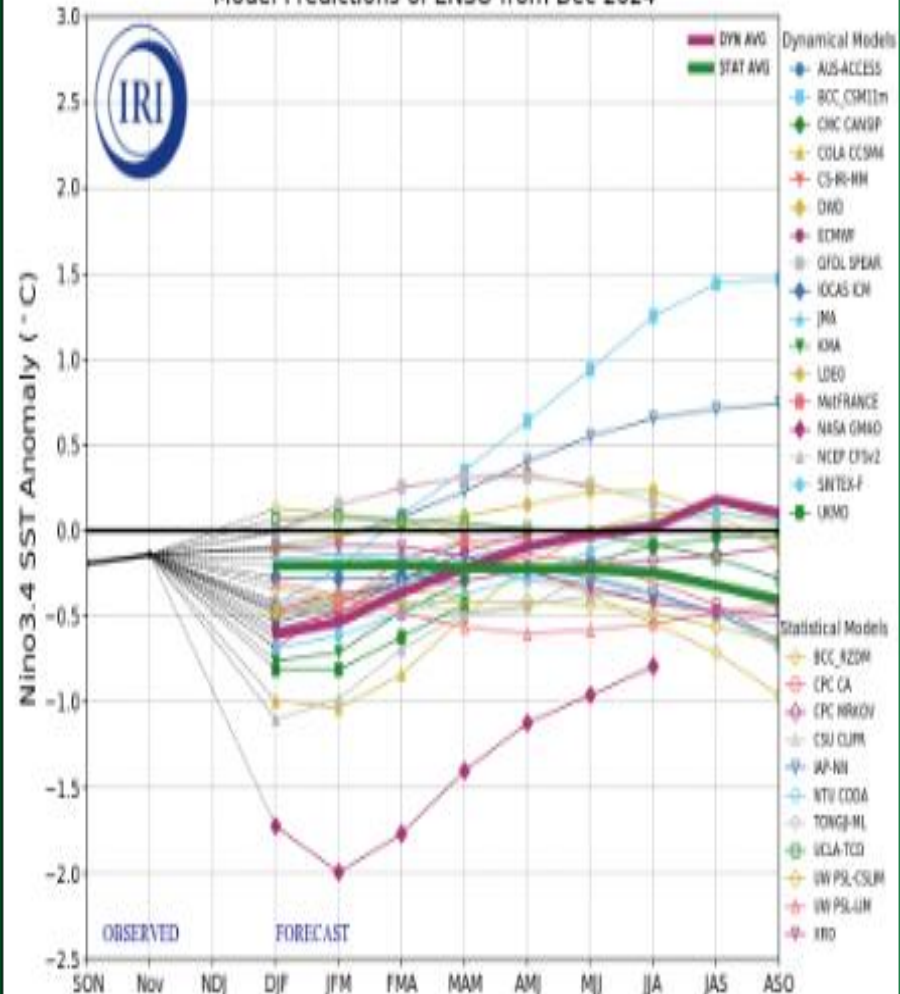
ENSO is in Neutral phase and is expected to transition to La Niña in January, with a shift back to neutral by March or April

Mid-December 2024 IRI Model-Based Probabilistic ENSO Forecasts

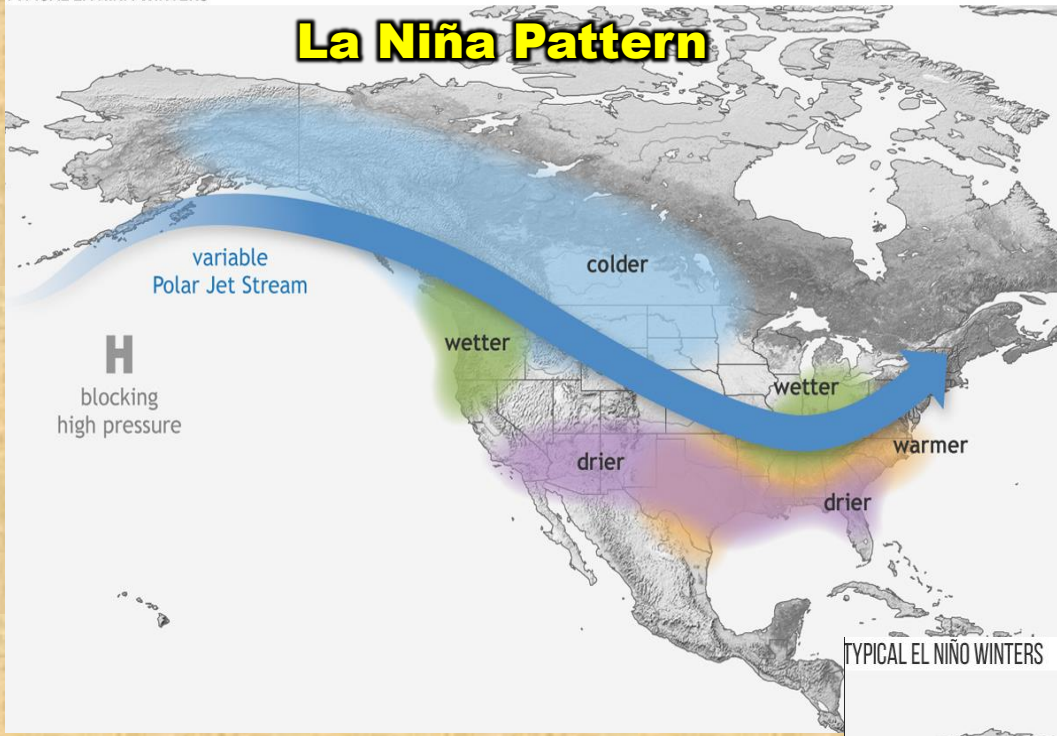
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5°C to 0.5°C



Model Predictions of ENSO from Dec 2024

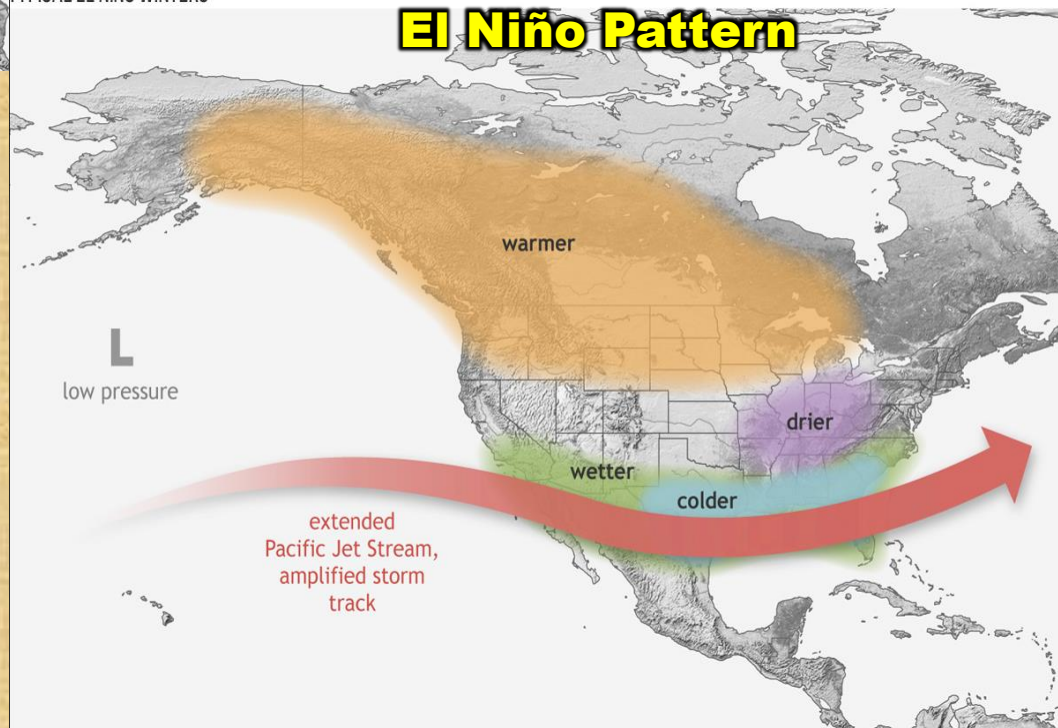


La Niña Pattern



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



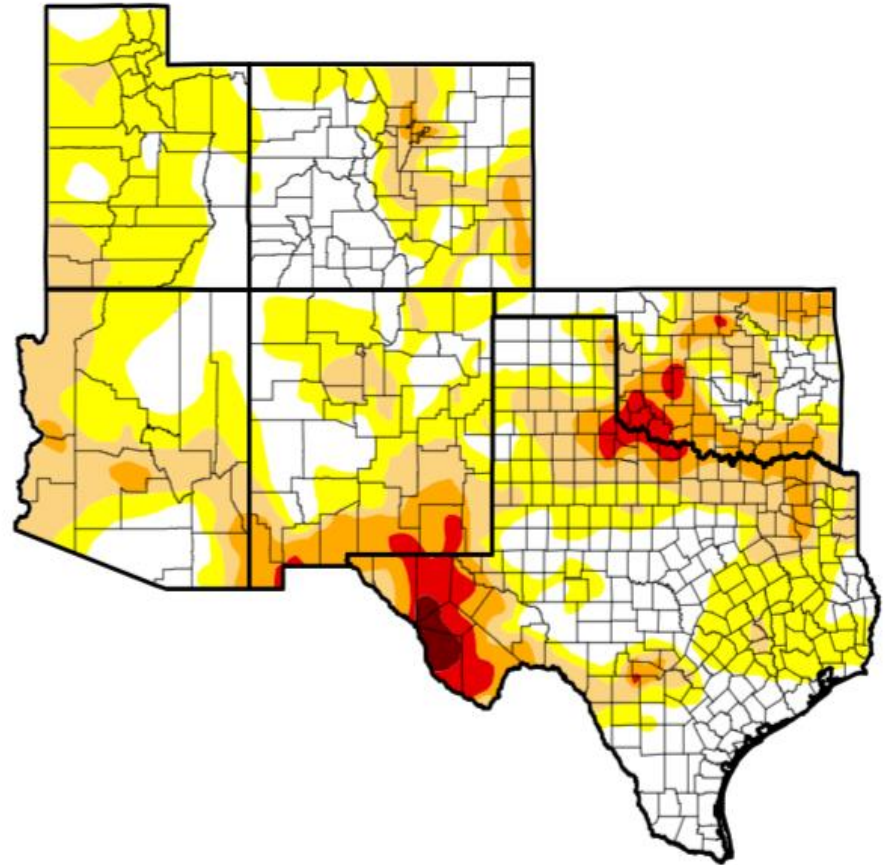
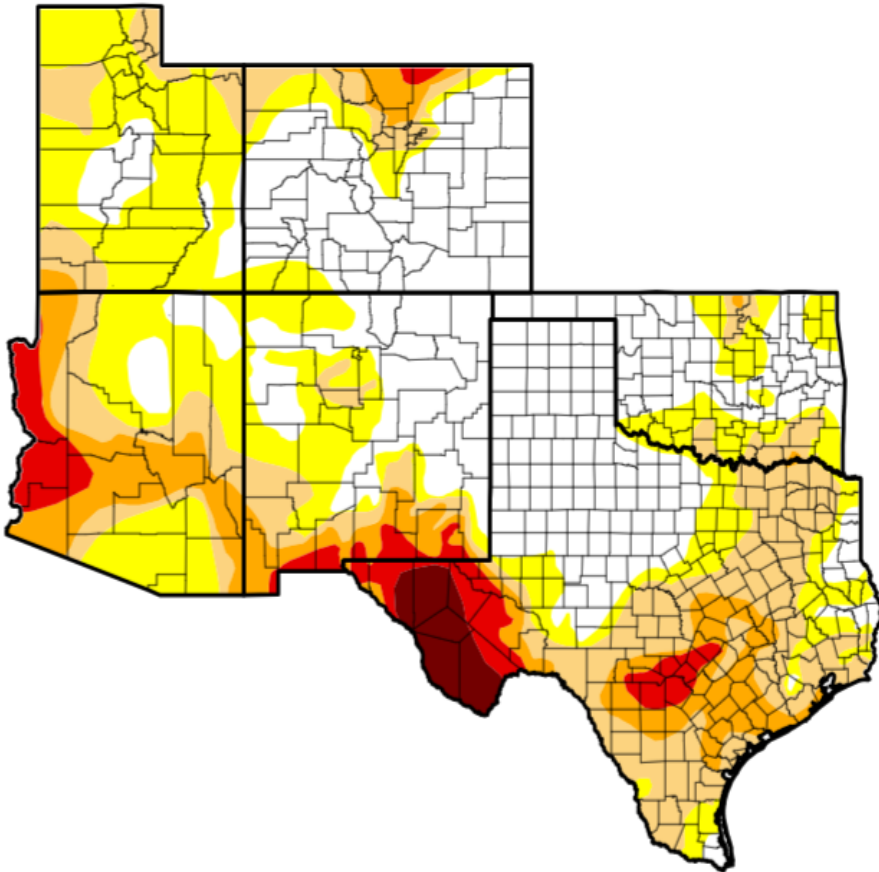
With El Niño, we often see the opposite pattern where the eastern Pacific ridge of high pressure is often weak or non-existent, allowing winter storms to sweep across the southern U.S. This typically will give the southwestern U.S. above normal precipitation.

Current drought conditions and 3 month change

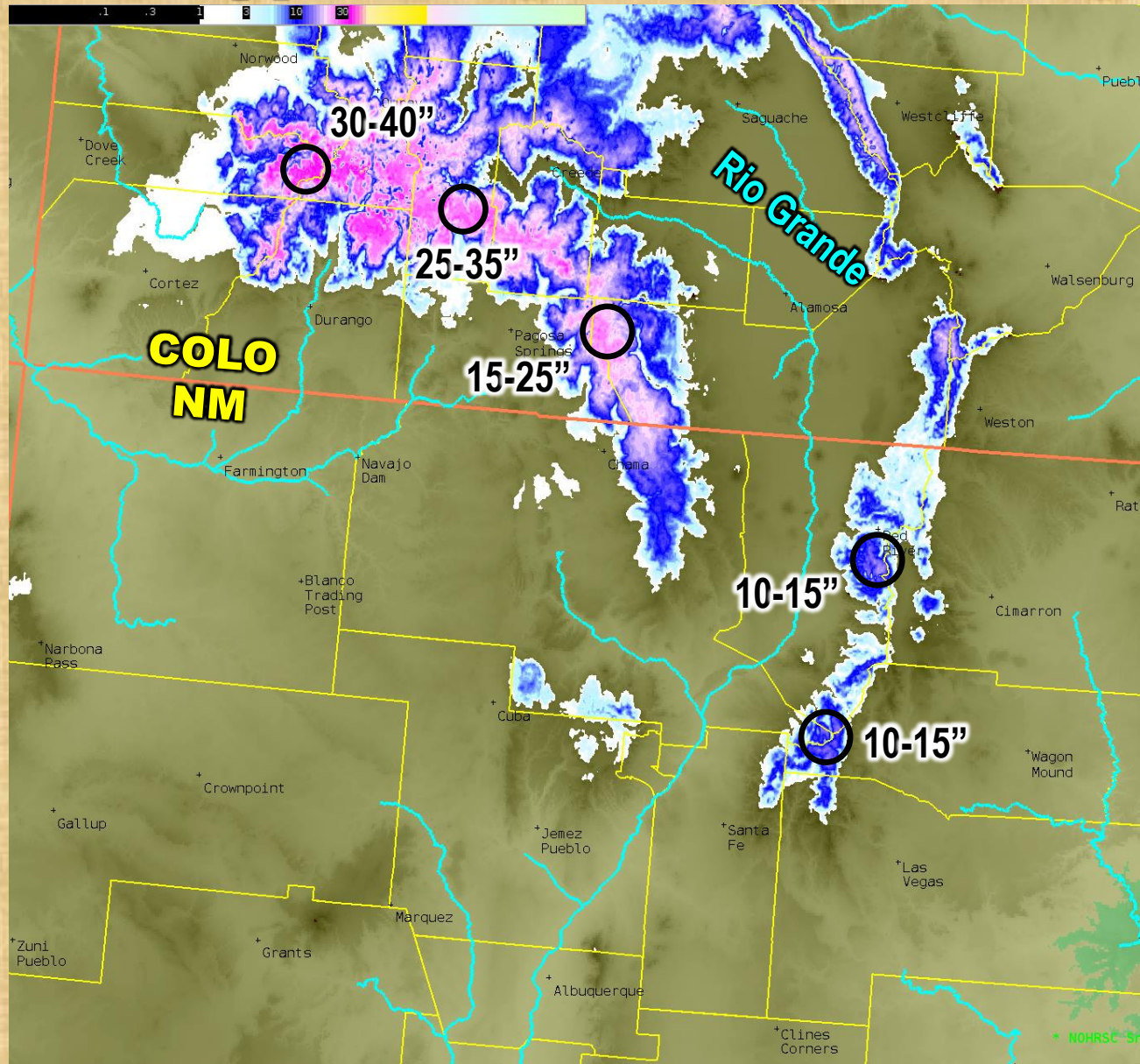
- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4

Dec 24, 2024

Sep 24, 2024

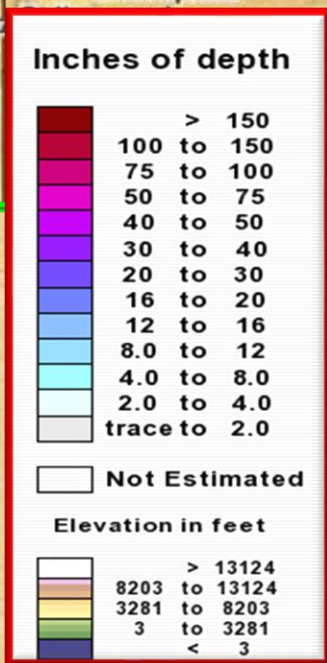
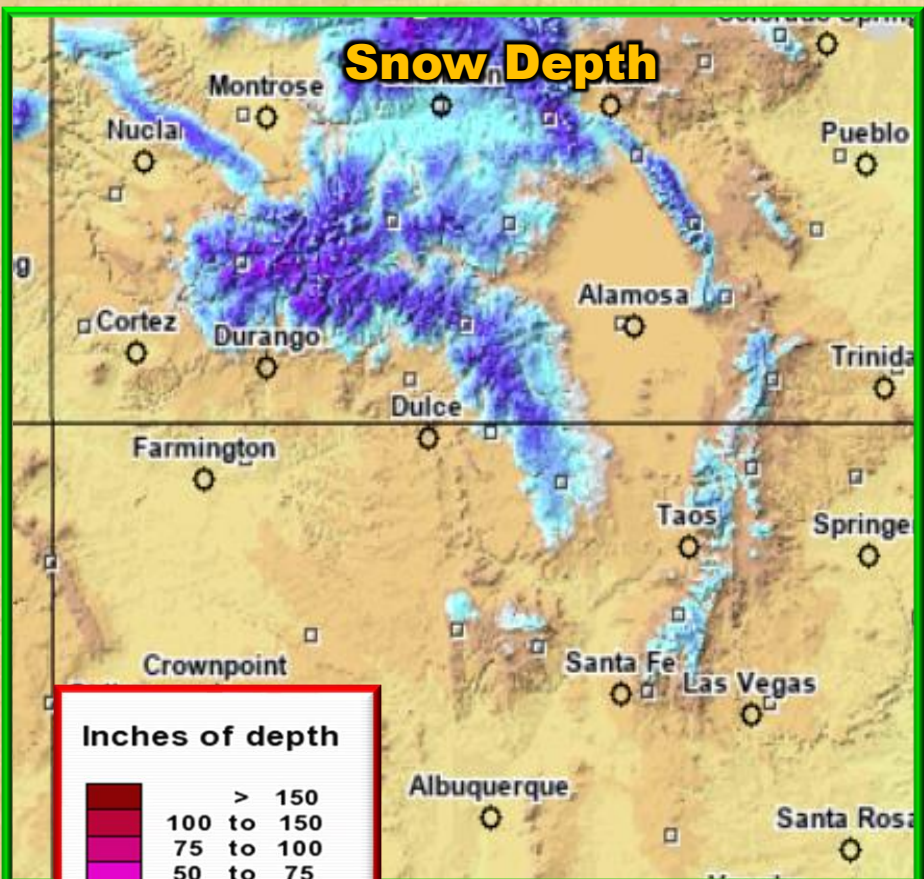


December 31 Snow Depth Upper Rio Grande Basin

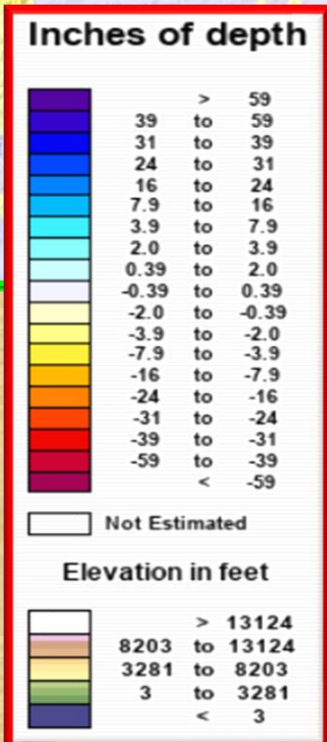
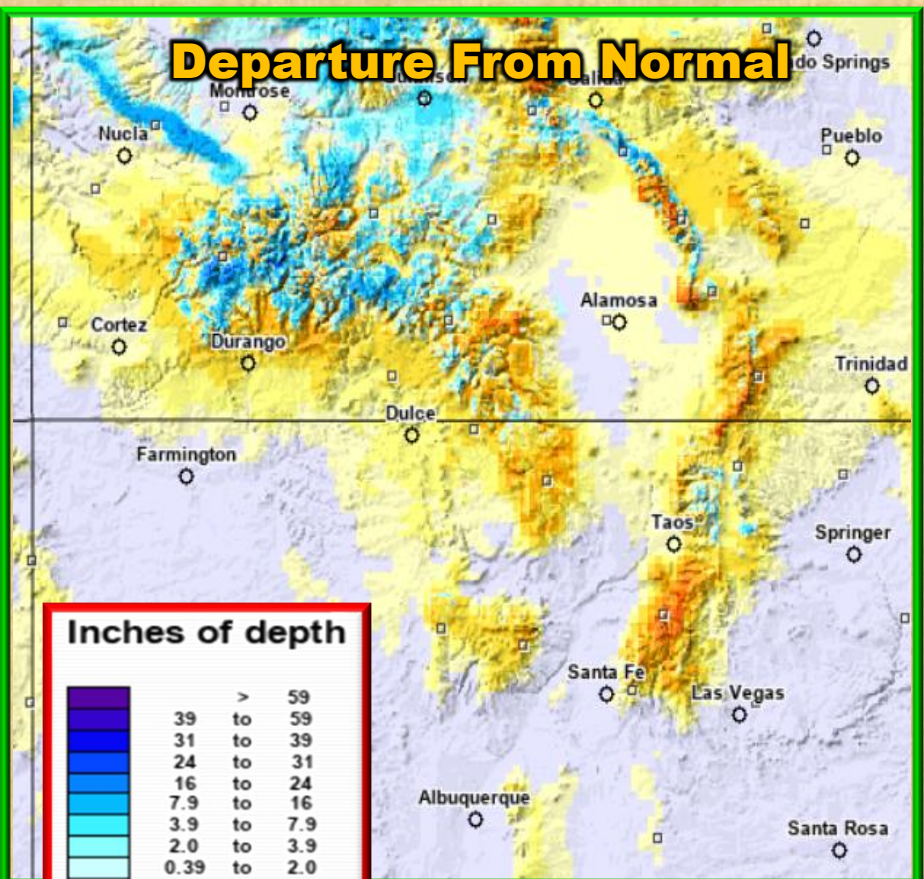


Snow Data Upper Rio Grande Basin as of Dec 31, 2024

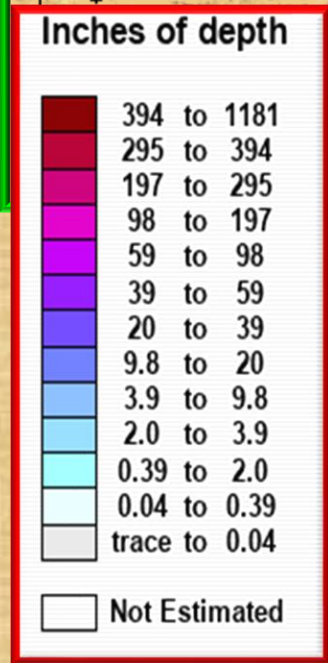
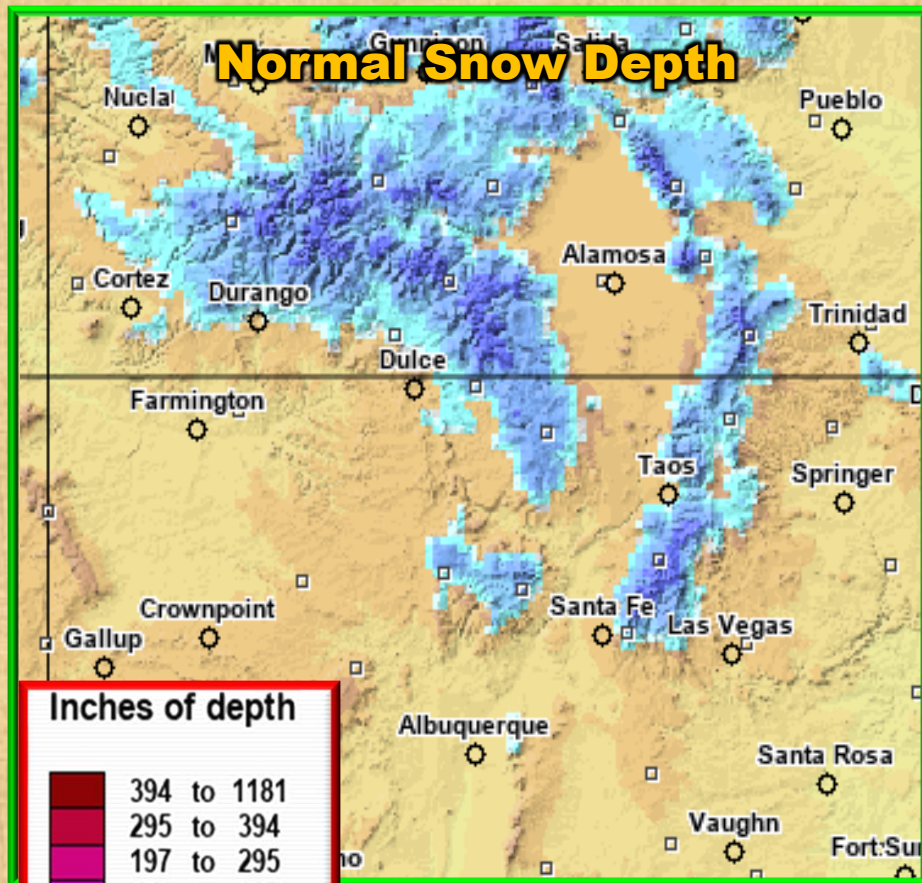
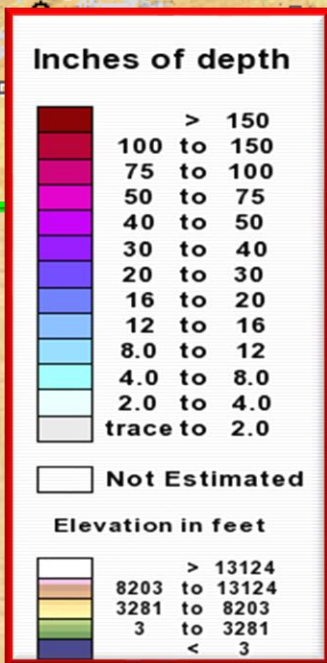
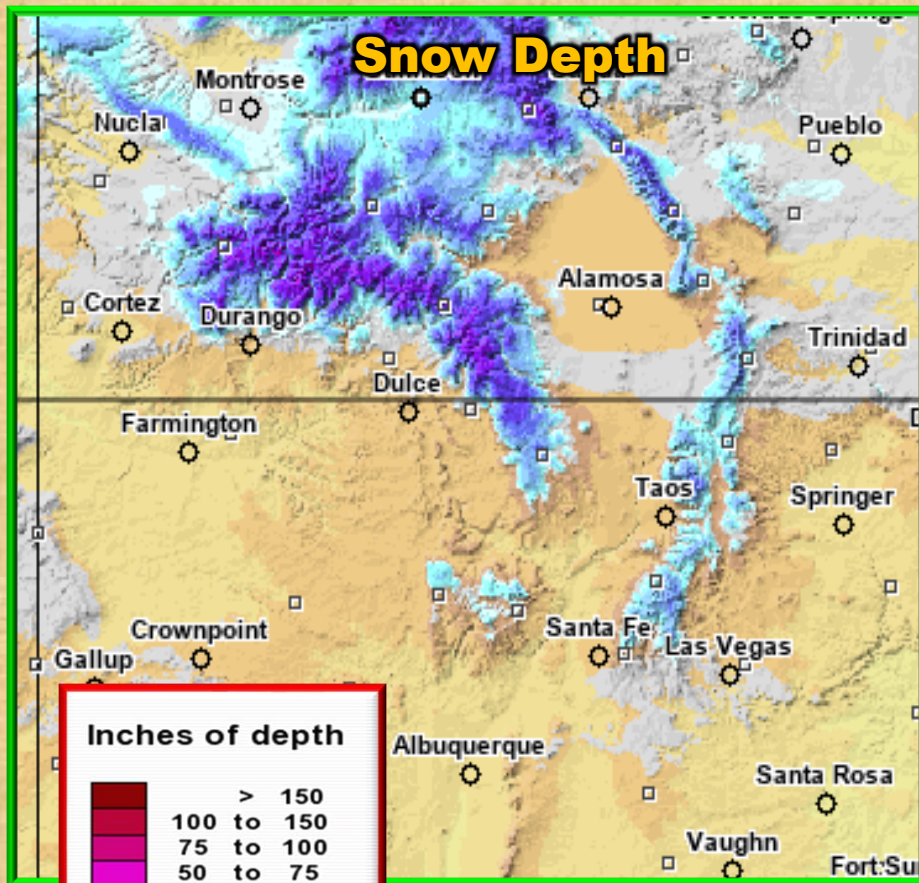
Snow Depth



Departure From Normal

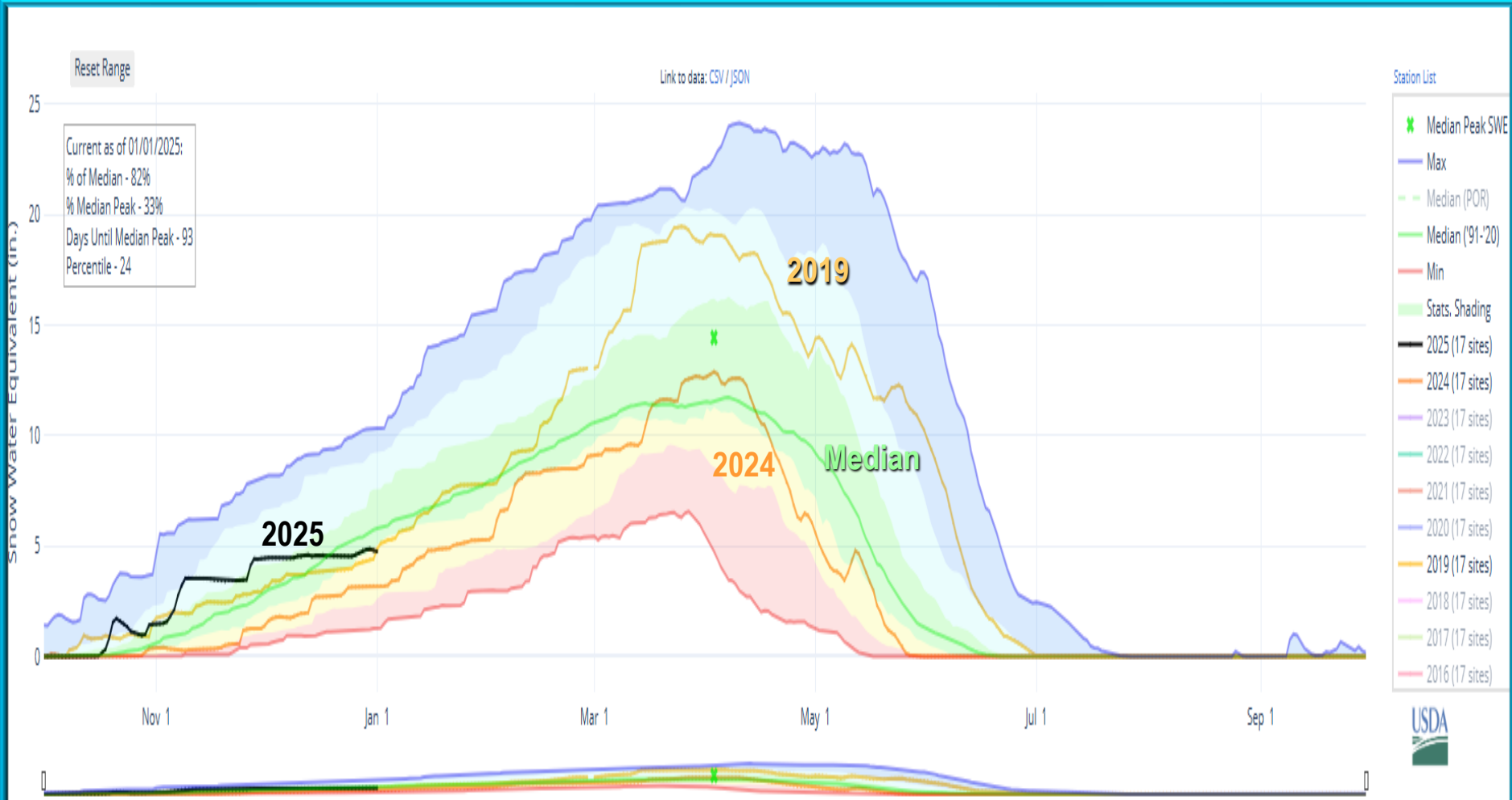


Snow Data Upper Rio Grande Basin as of Nov 30, 2024



Snow Water Equivalent as of Dec 31, 2024

Compare to last few years and average values

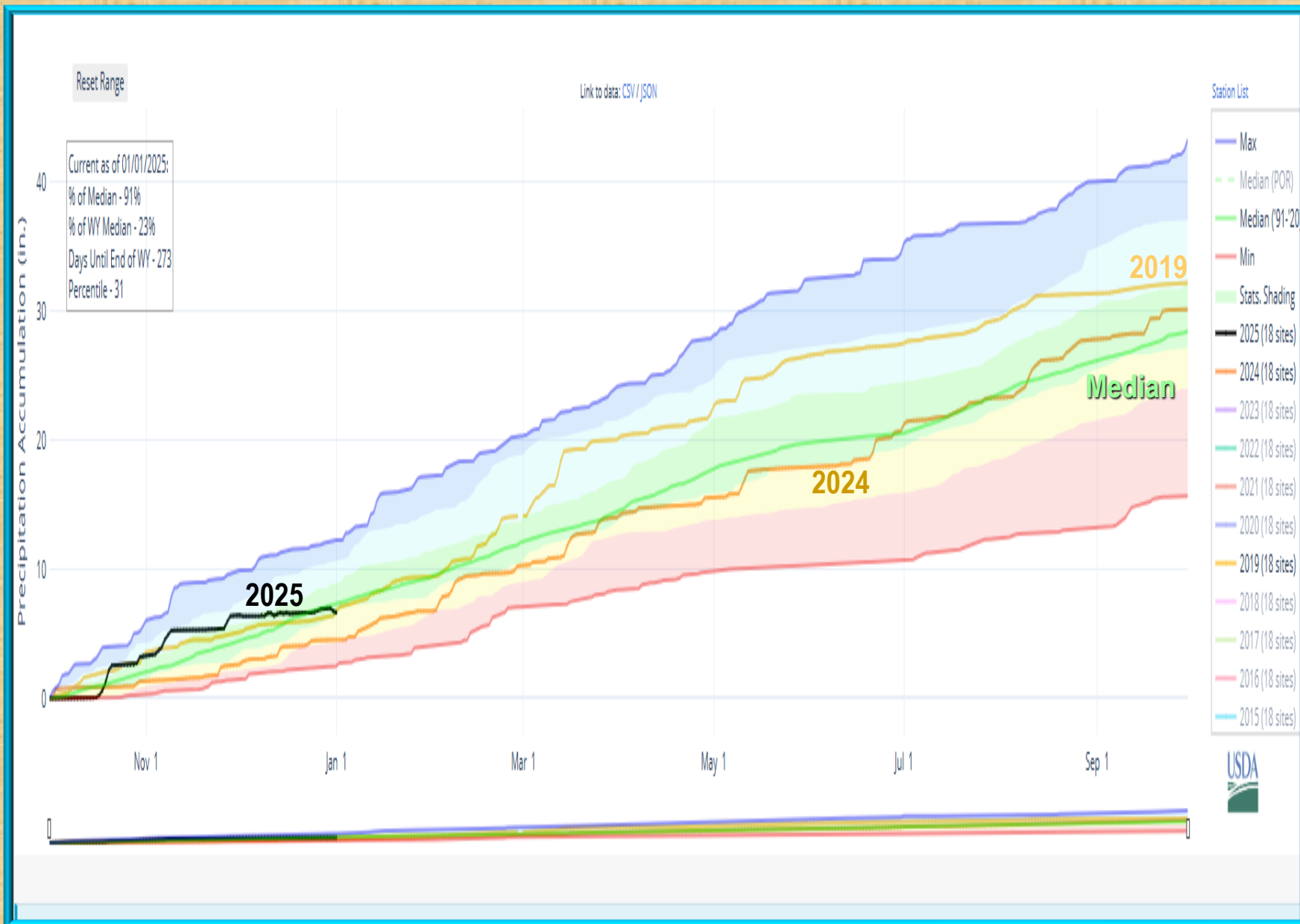


Statistical shading percentiles are calculated from period of record (POR) data, excluding the current water year. Percentile categories range from: minimum to 10th percentile, 10th - 30th, 30th - 70th, 70th - 90th, and 90th - maximum.

For more information visit: [30-Year Hydroclimatic Normals](#)

Precipitation for the Water YTD Oct 1 – Dec 31, 2025

Compare to last few years and average values

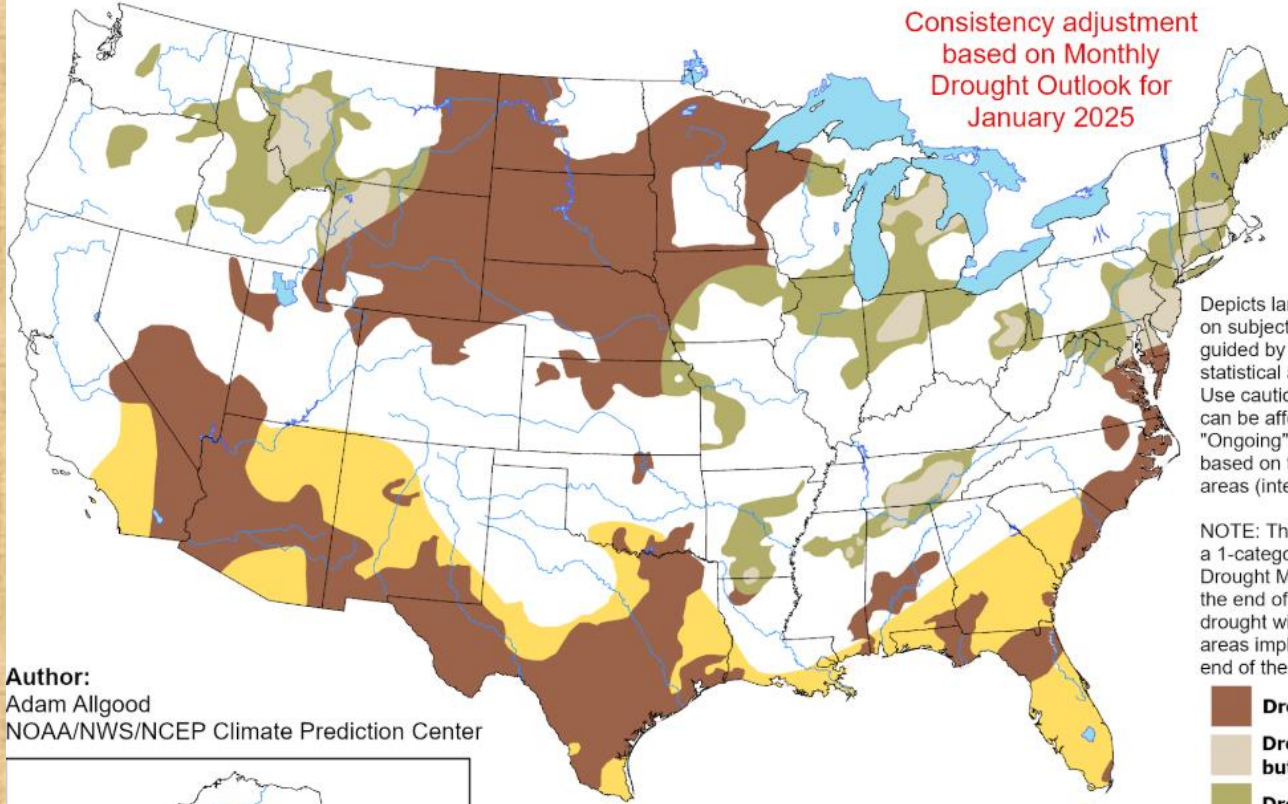


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for January 1 - March 31, 2025
Released December 31, 2024

Consistency adjustment
based on Monthly
Drought Outlook for
January 2025

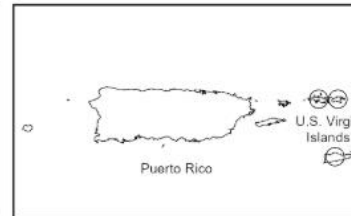
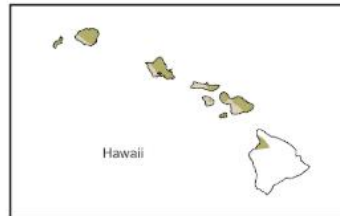


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

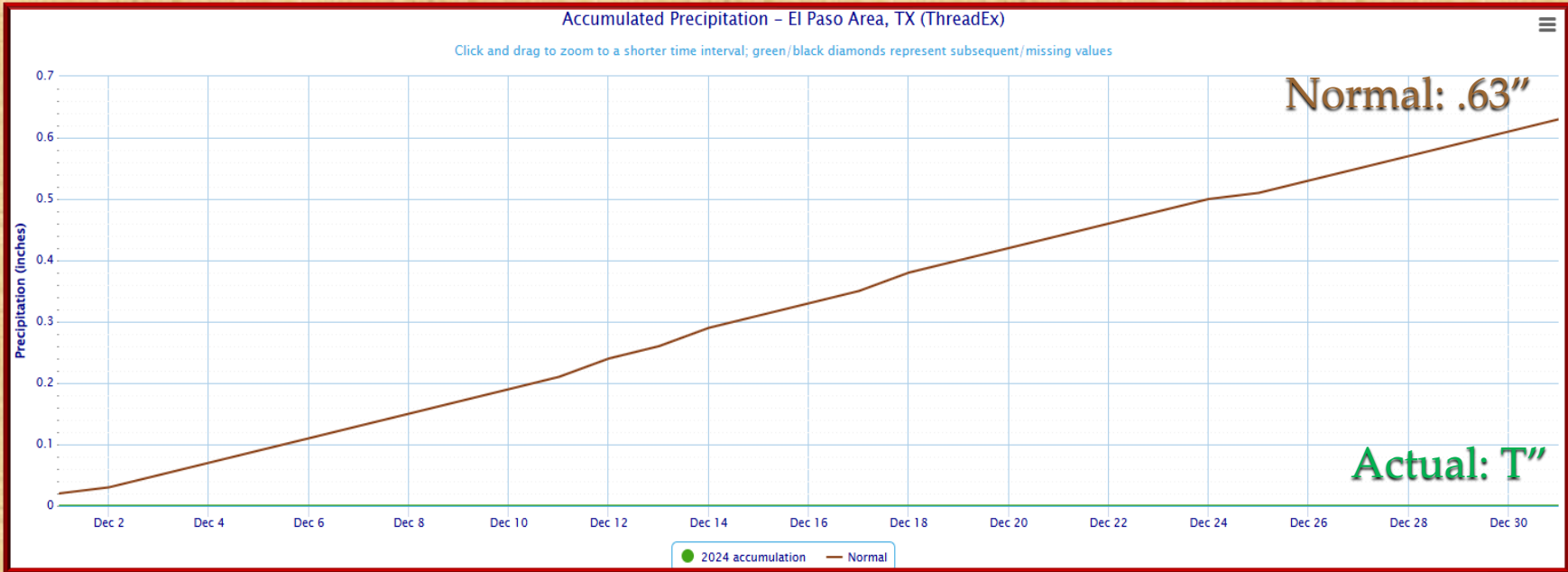
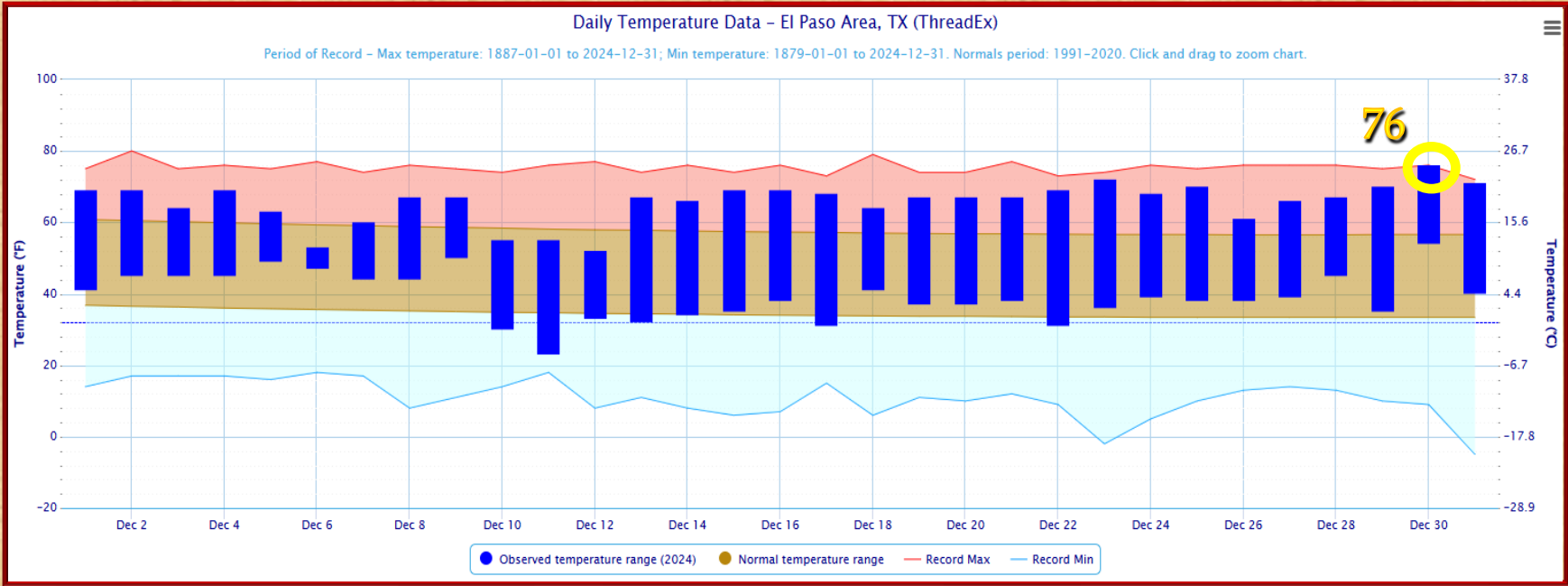


<https://go.usa.gov/3eZ73>

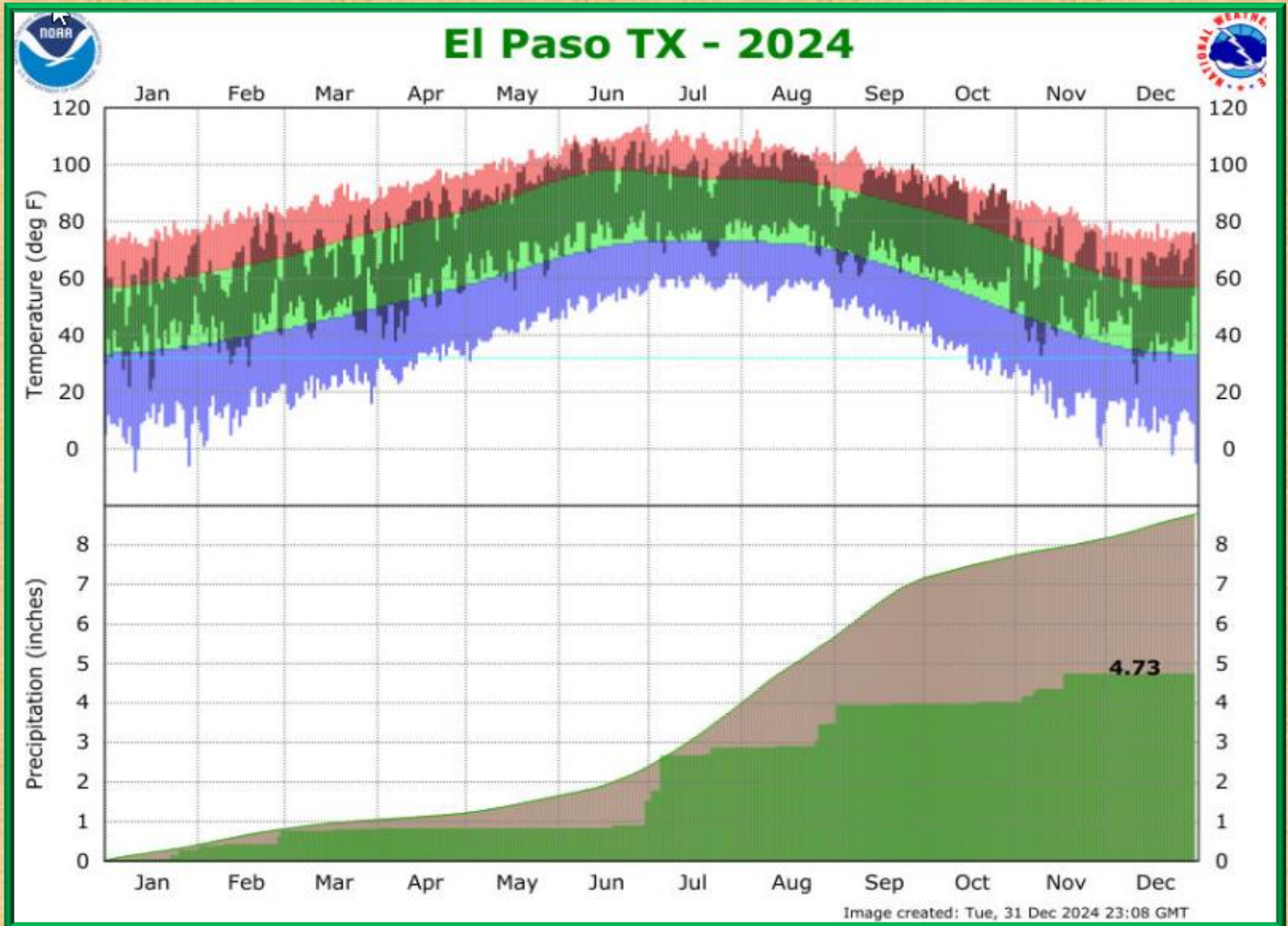
Temperature and precipitation data for December 2024 in El Paso

(Record HighTemps)

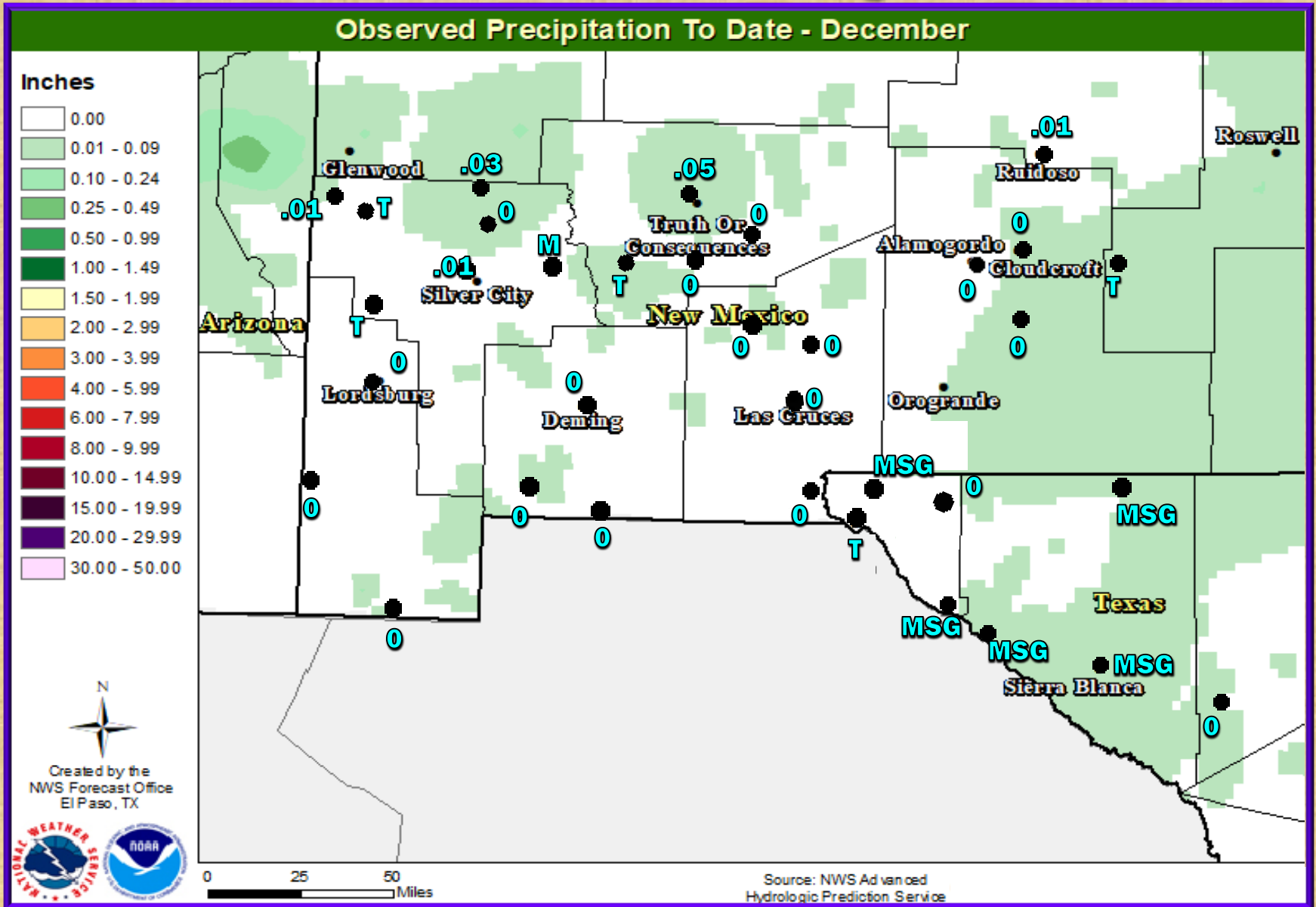
○ = record



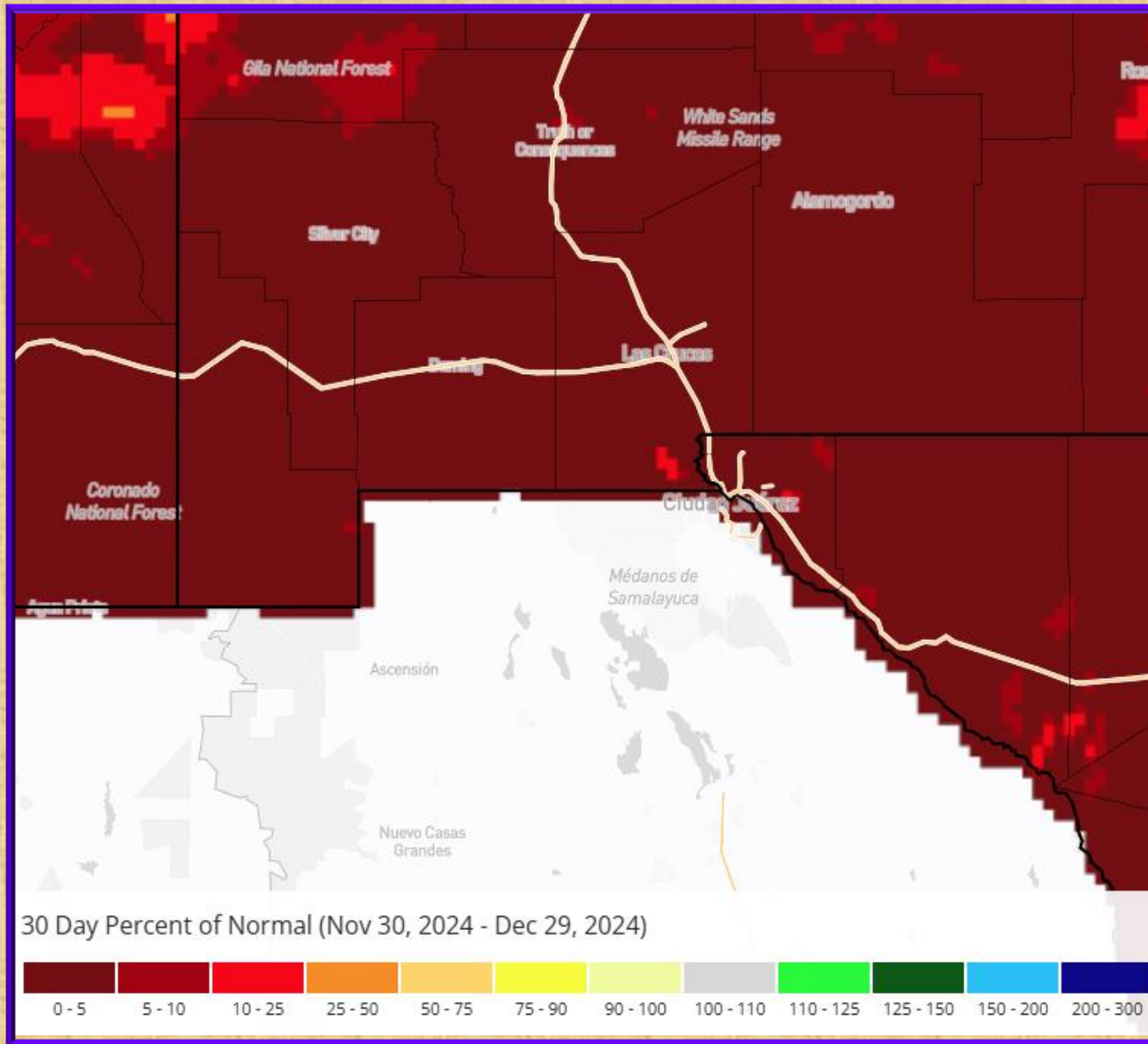
Temperature and Precipitation Year end 2024 for El Paso



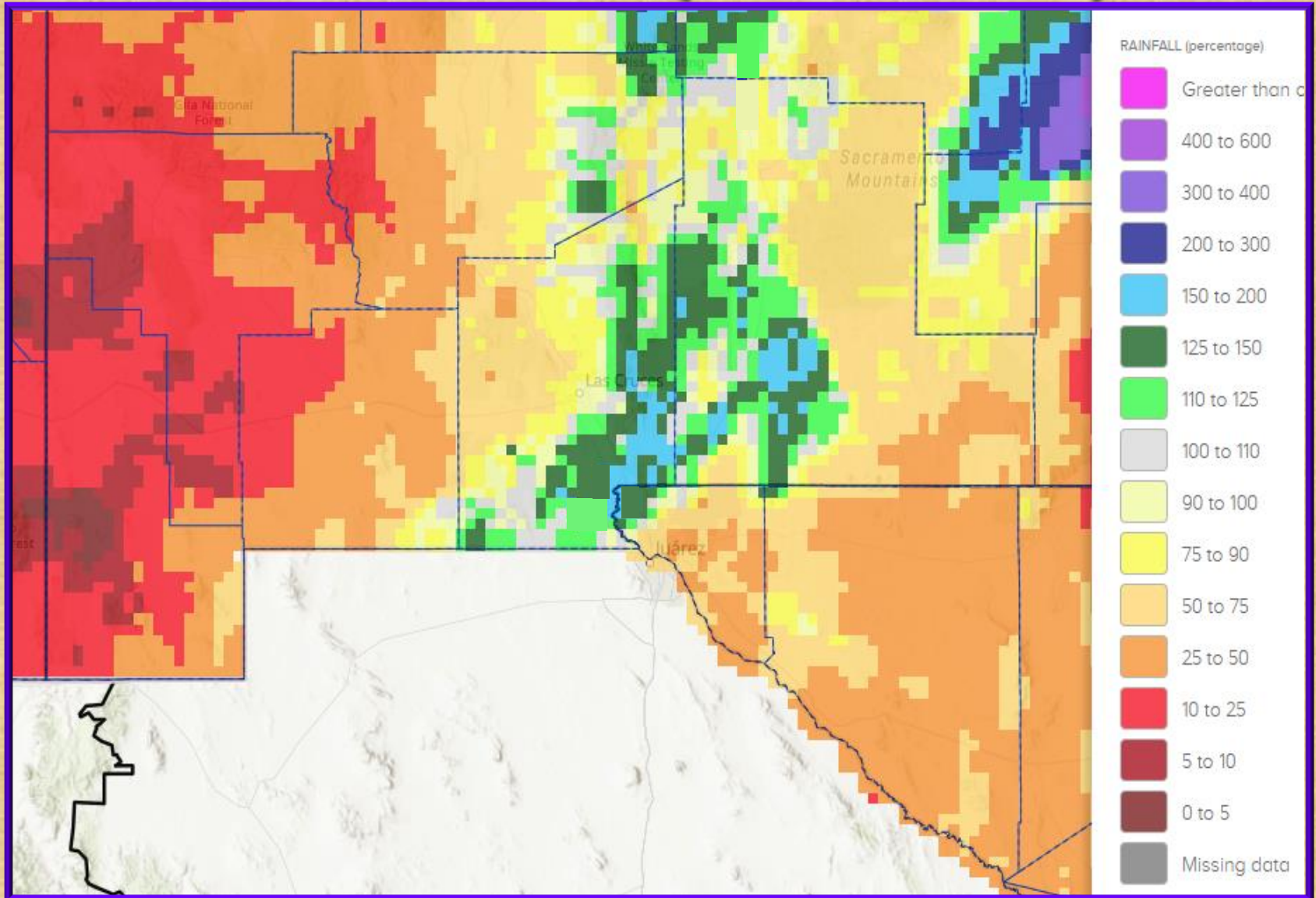
December 2024 rainfall estimate with surface rainfall reports



December 2024 rainfall estimate percent of normal



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



Temperature and precipitation outlook For Jan 2025

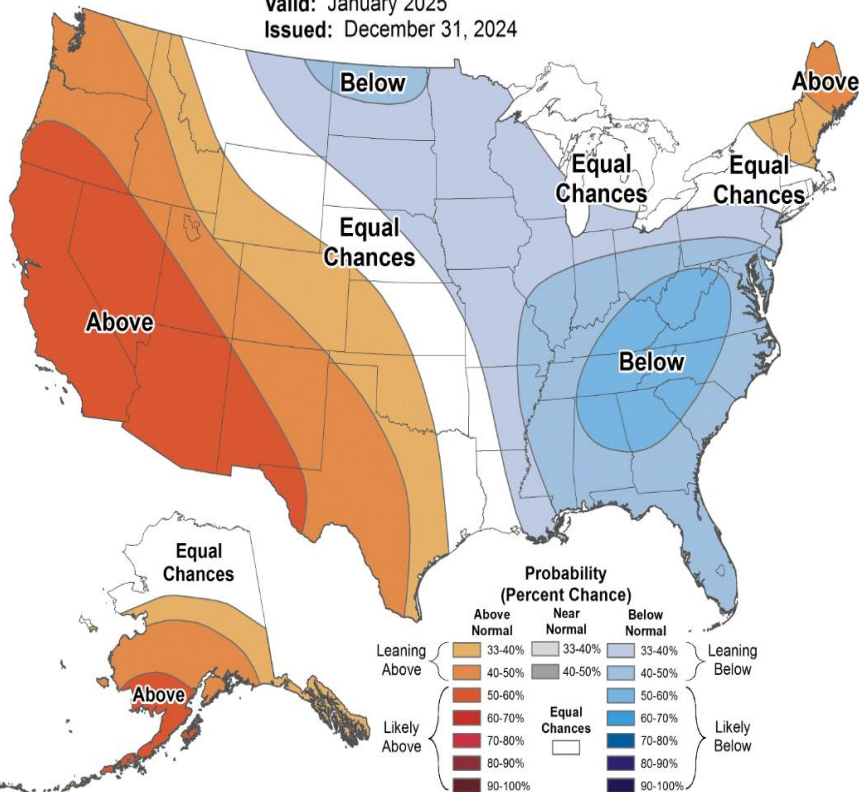
Temperature

Precipitation



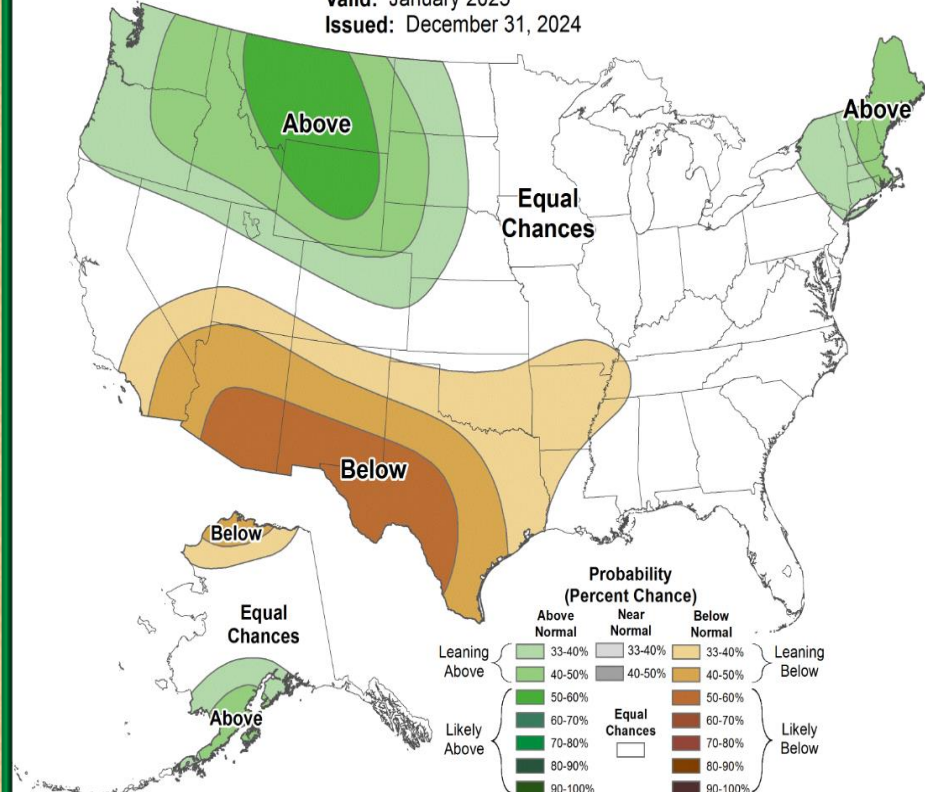
Monthly Temperature Outlook

Valid: January 2025
Issued: December 31, 2024



Monthly Precipitation Outlook

Valid: January 2025
Issued: December 31, 2024



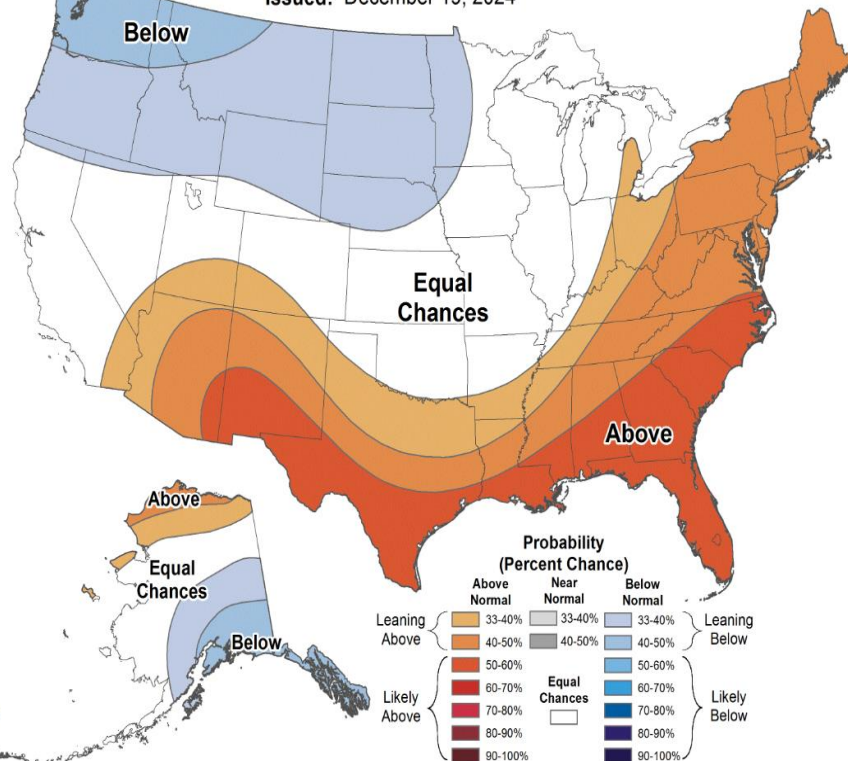
Temperature and precipitation outlook for Jan-Mar 2025

Temperature

Precipitation

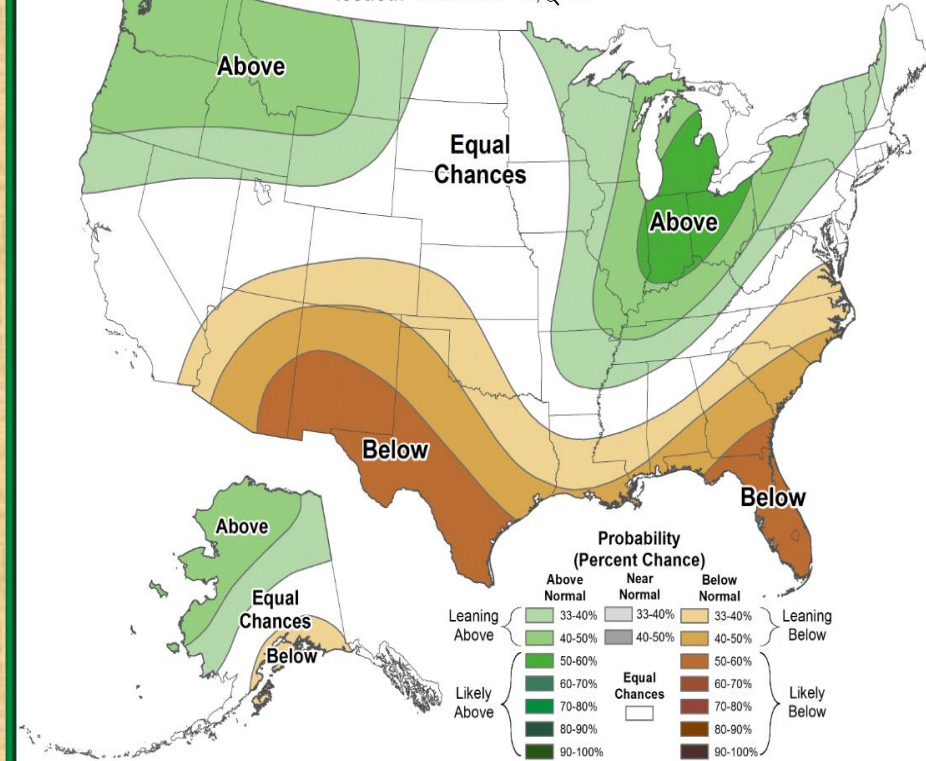
Seasonal Temperature Outlook

Valid: Jan-Feb-Mar 2025
Issued: December 19, 2024



Seasonal Precipitation Outlook

Valid: Jan-Feb-Mar 2025
Issued: December 19, 2024



Temperature and precipitation outlook for Apr-Jun 2025

Temperature

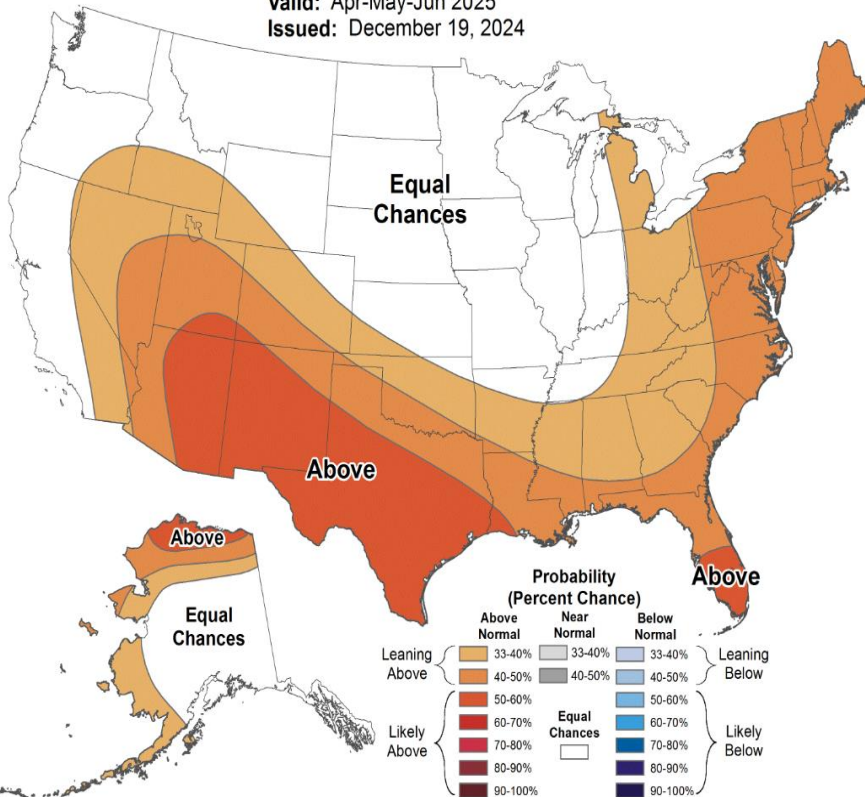
Precipitation



Seasonal Temperature Outlook



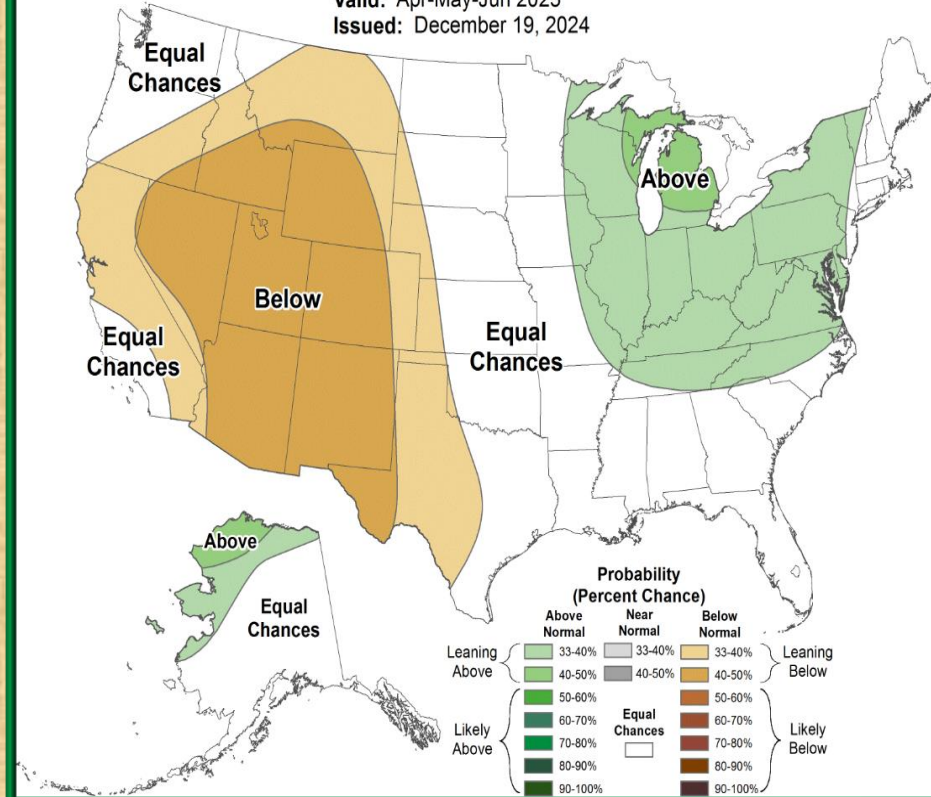
Valid: Apr-May-Jun 2025
Issued: December 19, 2024



Seasonal Precipitation Outlook



Valid: Apr-May-Jun 2025
Issued: December 19, 2024

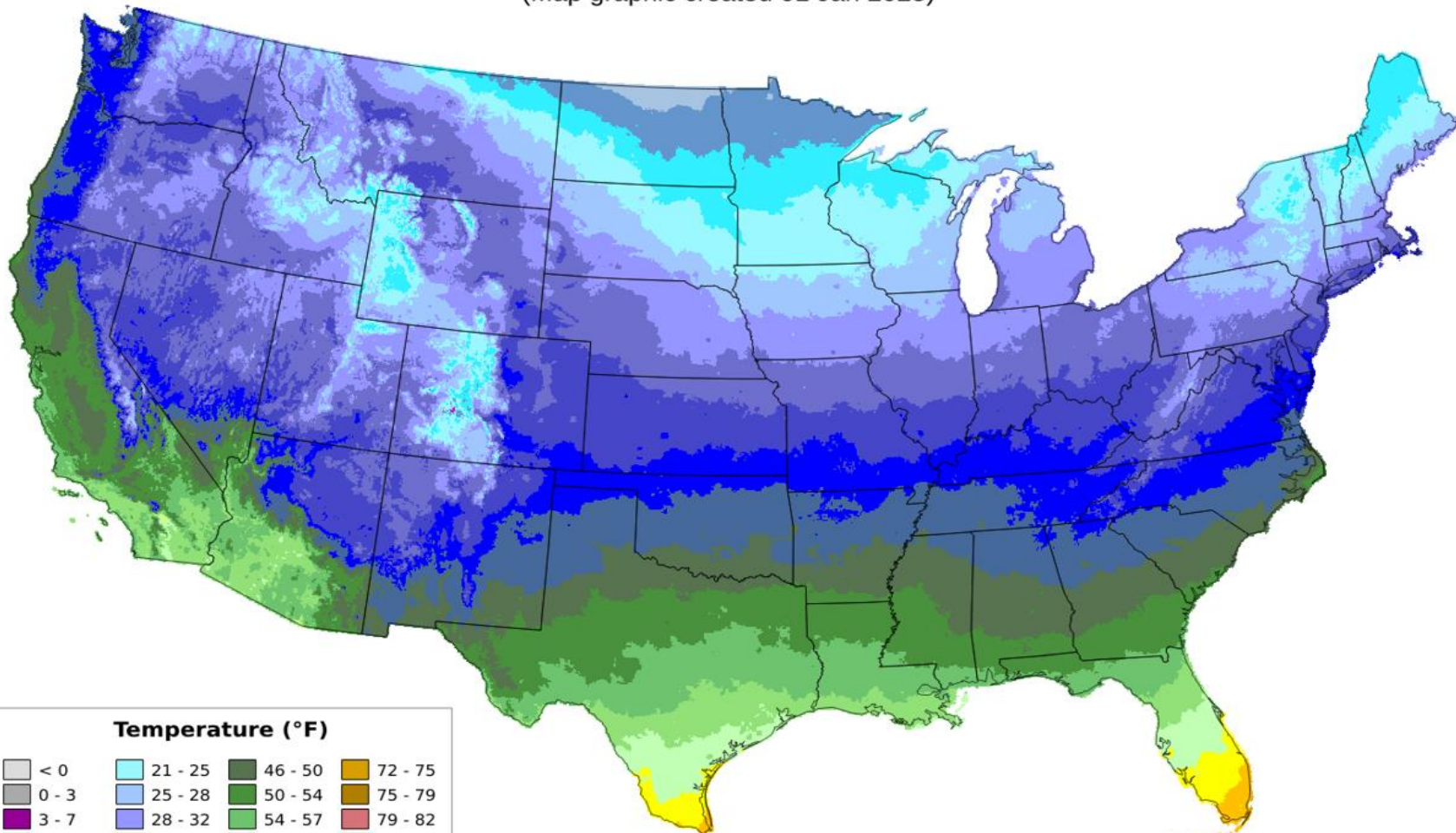


Average Daily Mean Temperature for December 2024

Average Daily Mean Temperature: 01 Dec 2024 - 31 Dec 2024

Period ending 7 AM EST 31 Dec 2024

(Map graphic created 01 Jan 2025)



Temperature (°F)

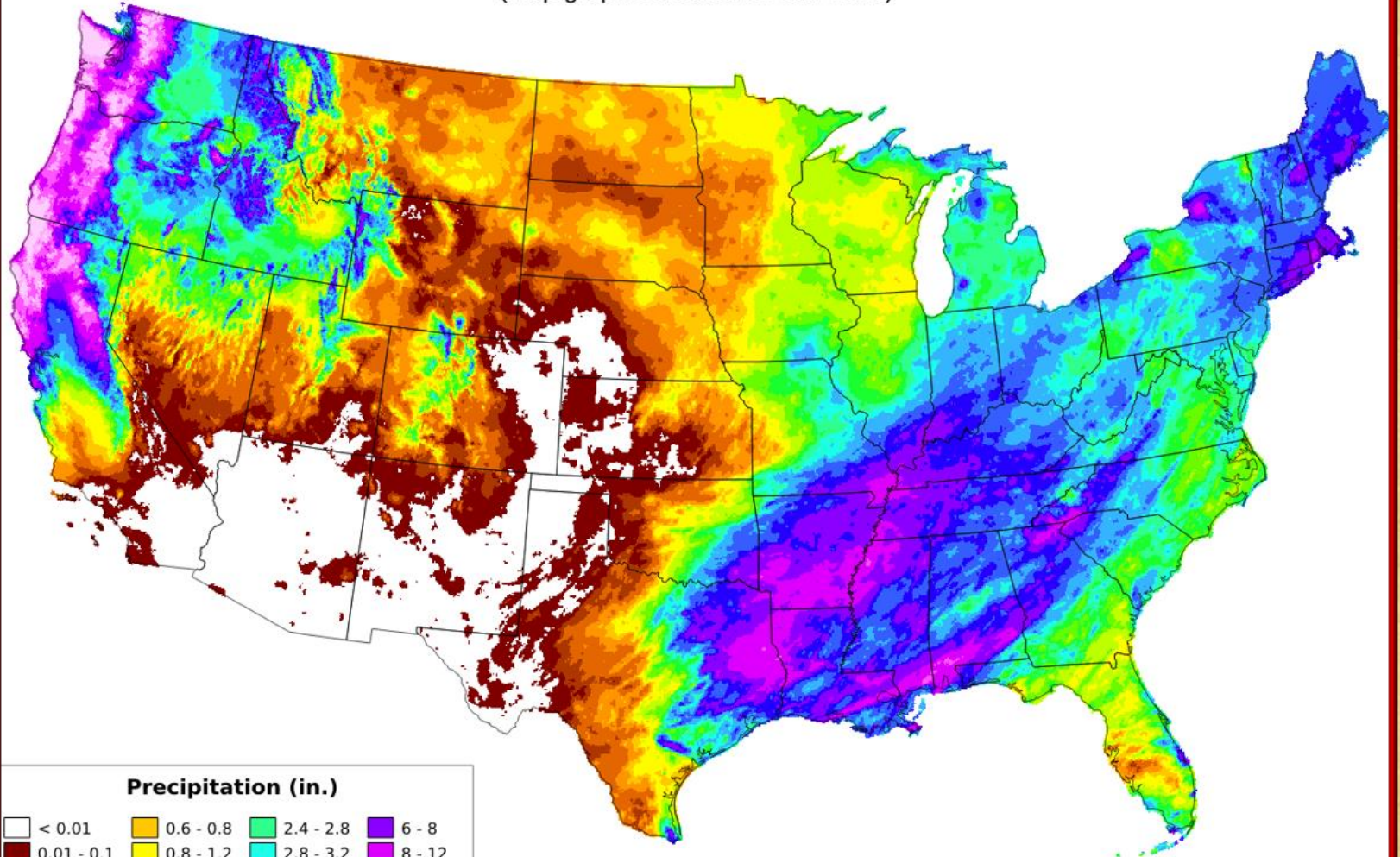
< 0	21 - 25	46 - 50	72 - 75
0 - 3	25 - 28	50 - 54	75 - 79
3 - 7	28 - 32	54 - 57	79 - 82
7 - 10	32 - 36	57 - 61	82 - 86
10 - 14	36 - 39	61 - 64	86 - 90
14 - 18	39 - 43	64 - 68	> 90
18 - 21	43 - 46	68 - 72	

Total Precipitation for December 2024

Total Precipitation: 01 Dec 2024 - 31 Dec 2024

Period ending 7 AM EST 31 Dec 2024

(Map graphic created 01 Jan 2025)



Precipitation (in.)

< 0.01	0.6 - 0.8	2.4 - 2.8	6 - 8
0.01 - 0.1	0.8 - 1.2	2.8 - 3.2	8 - 12
0.1 - 0.2	1.2 - 1.6	3.2 - 4	12 - 16
0.2 - 0.4	1.6 - 2	4 - 5	16 - 20
0.4 - 0.6	2 - 2.4	5 - 6	> 20

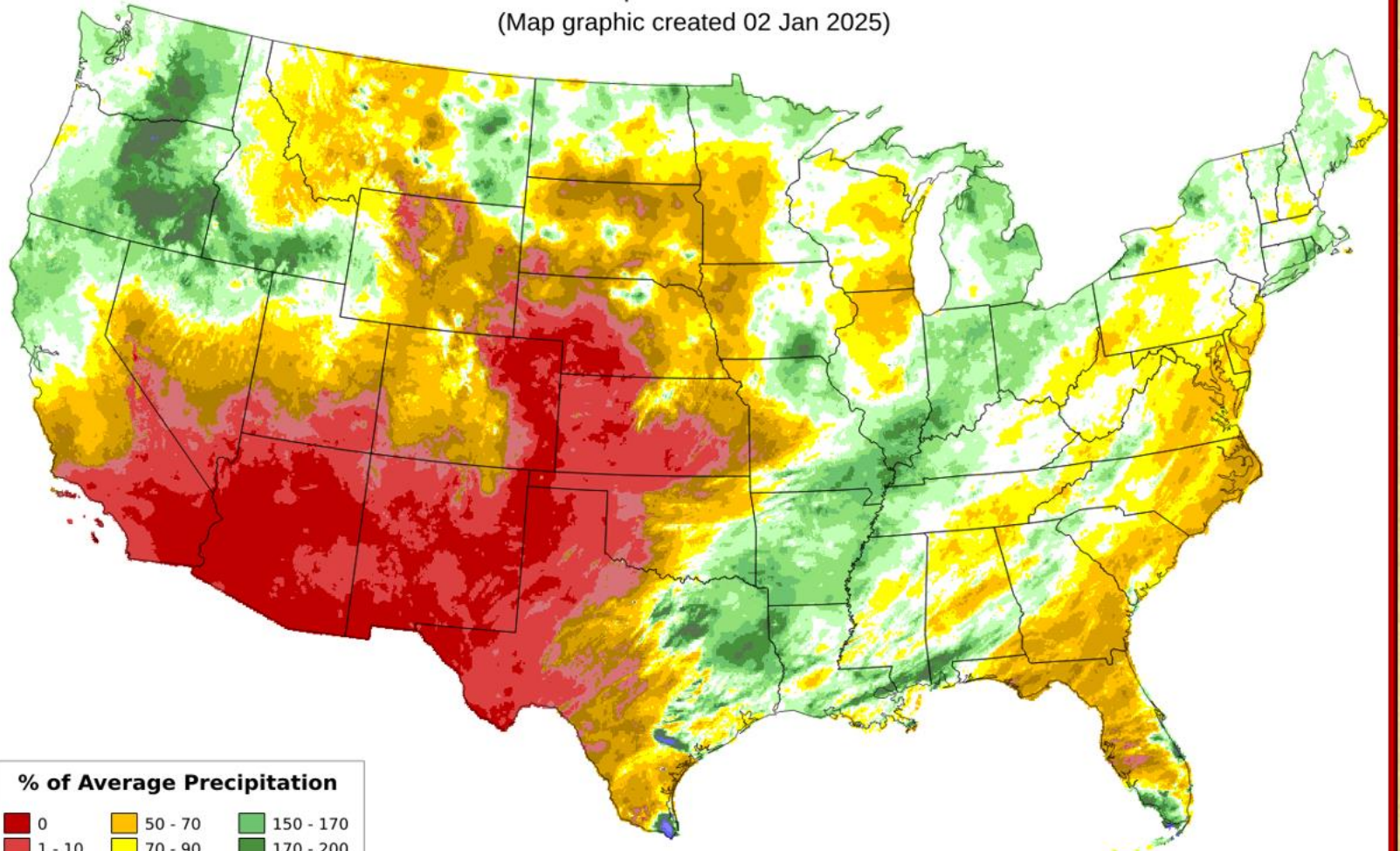
Percent of Normal Precipitation for December 2024

Total Precipitation Anomaly: Dec 2024

Period ending 7 AM EST 31 Dec 2024

Base period: 1991-2020

(Map graphic created 02 Jan 2025)



% of Average Precipitation

0	50 - 70	150 - 170
1 - 10	70 - 90	170 - 200
10 - 20	90 - 110	200 - 300
20 - 30	110 - 130	300 - 400
30 - 50	130 - 150	> 400

Selected Weather Reports December 2024

Date/Time	Location (County)	Event
DEC 25 320 PM	SAN AUGUSTIN PASS-DONA ANA	54 MPH PEAK WIND
DEC 25 1200 PM	MAYHILL-OTERO	46 MPH PEAK WIND
DEC 25 305 PM	WSMR BLDG 1830-DONA ANA	45 MPH PEAK WIND
DEC 25 306 PM	DEMING AIRPORT-LUNA	44 MPH PEAK WIND
DEC 25 456 PM	EL PASO INTL AIRPORT-EL PASO	44 MPH PEAK WIND
DEC 25 314 PM	SANTA TERESA NWS-DONA ANA	44 MPH PEAK WIND
DEC 25 245 PM	LORDSBURG PLAYA MP13-HIDALGO	44 MPH PEAK WIND
DEC 25 115 PM	SILVER CITY MTN VIEW-GRANT	42 MPH PEAK WIND
DEC 25 641 PM	MESCALERO-OTERO	40 MPH PEAK WIND

Special Features

www.weather.gov/epz/elpwindrosedata

Month: DECEMBER

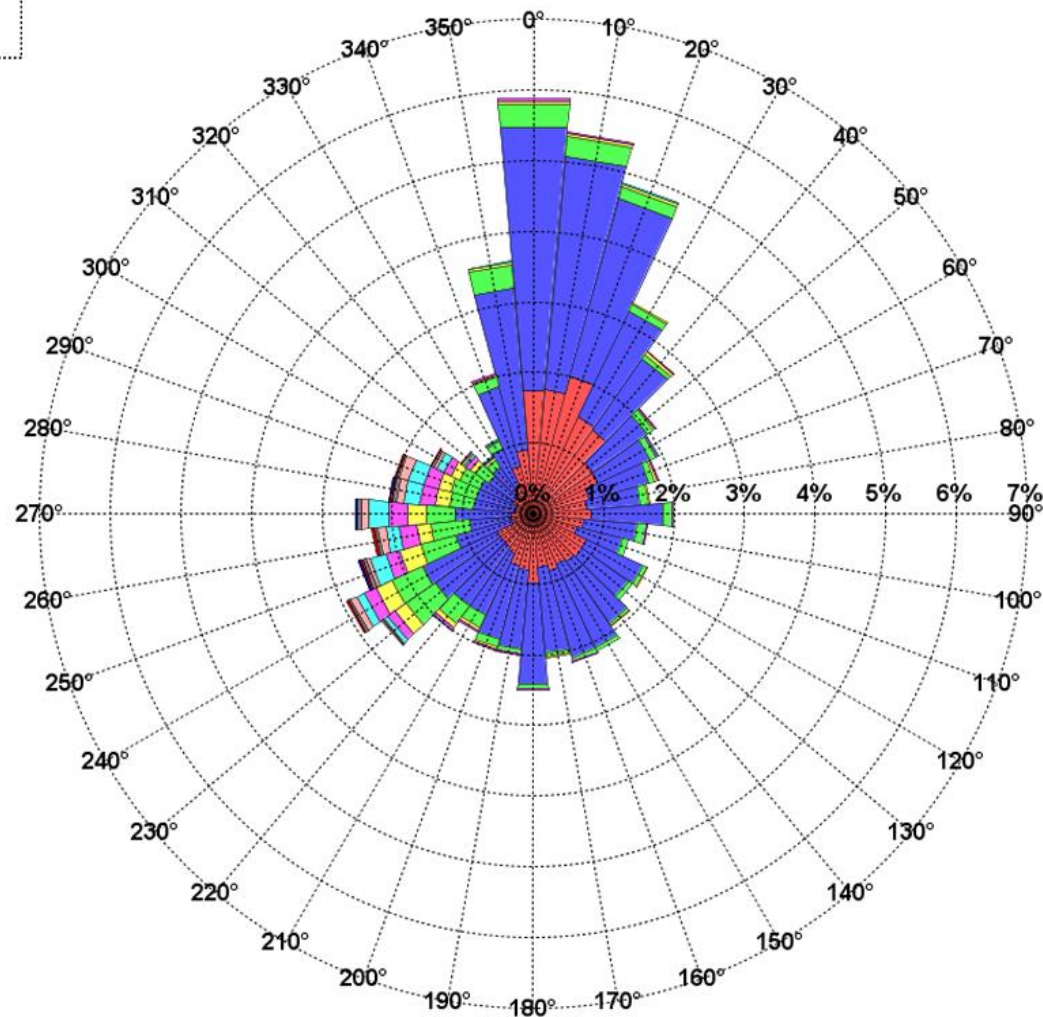
Calm: 13.59%

Variable: 1.46%

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 >](#)

Customize Your Weather.gov

City, ST

Enter Your City, ST or ZIP Code

Remember Me

[Privacy Policy](#)

NWS El Paso El Paso, TX
Weather Forecast Office

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

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather **Local Programs**



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 >](#)

Customize Your Weather.gov

City, ST

Enter Your City, ST or ZIP Code

Remember Me

[Privacy Policy](#)

Monthly Weather Digest El Paso, TX
Weather Forecast Office

[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.