

# March 2025 Weather Digest



# **March 2025 Weather Summary**

**March was pretty typical in that numerous windy days occurred. However, the magnitude of the winds this March were unmatched in recent memory. And of course that means blowing dust, lots of blowing dust. El Paso recorded 50+ mph wind gusts or greater 7 times in March, and 14 times with wind gusts of 40+ mph. Due to these winds, the airport reported 11 days of visibility of ½ mile or less due to blowing dust. Of course with this many Pacific storms sweeping over northern New Mexico and Colorado, rainfall was hard to come by. Most of the area from the Rio Grande Valley east once again saw very little rain, some 5-20 percent of normal. Conditions were better west of the Rio Grande Valley, where about 30-70 percent of normal fell. This made a serious drought even more dire, with most of southern New Mexico and far west Texas now in extreme to exceptional drought status.**

**Despite the dry and windy conditions, temperatures were only slightly above normal, with most sites reporting an average monthly temperature of only about one-half to one degrees above normal.**



# March 2025 Weather Summary

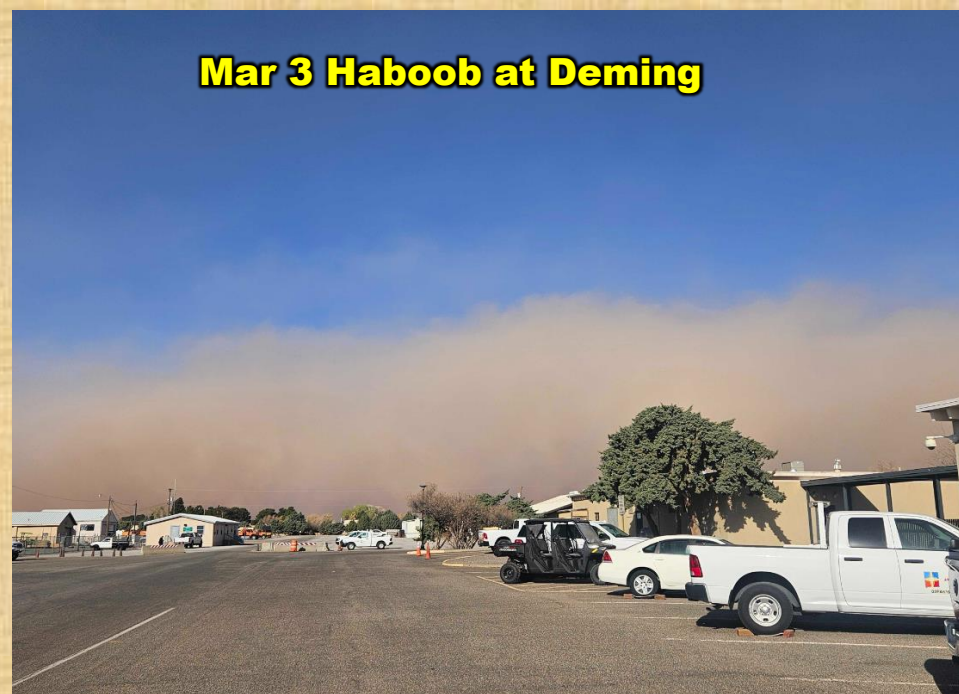
**Looking ahead to April, we continue the rapid warm up and increase in daylight. The normal high temperature at El Paso on April 1 is 77°, while the normal high on the last day of the month is 83°. The record high temperature at El Paso for April is 98°. The length of day on April 1 is 12 hours and 31 minutes of day, increasing to 13 hours and 24 minutes on April 30. April on average, is the driest month of the year for most sites.**

**For the astronomers and sky gazers among us, the full moon (commonly known as the Pink Moon) occurs on April 12, while the new moon occurs on the 27th. There are no solar or lunar eclipses in April.**

**Mar 3 Haboob at Deming**



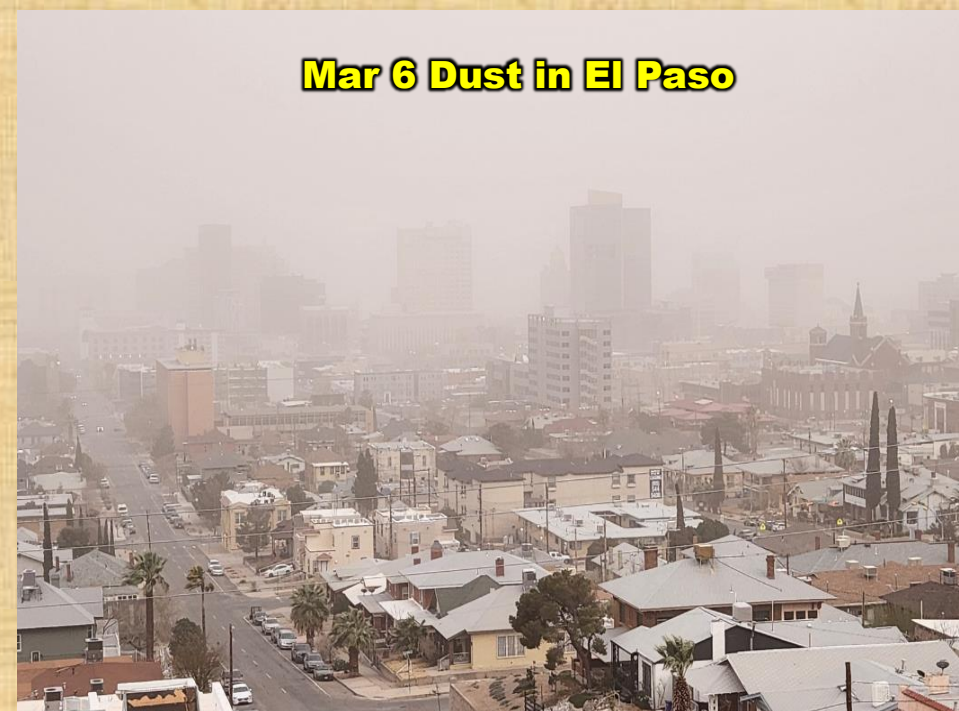
**Mar 3 Haboob at Deming**



**Mar 6 Dust in El Paso**



**Mar 6 Dust in El Paso**





**Mar 6 Dust near Santa Teresa**



**Mar 6 Dust near Santa Teresa**



**Mar 6 Dust Santa Teresa**



**Mar 6 Dust Santa Teresa**





**Mar 7 snow in Silver City**



**Mar 8 snow in the Mimbres Valley**



**Mar 8 snow in Pinos Altos**



**Mar 13 storm debris a tunnel  
near High Rolls**





**Mar 15 snow in Silver City**



**Mar 13 snow at Burro Mtn**



**Mar 15 snow at Burro Mtn**



**Mar 15 storm near Mule Creek**





**Mar 15 snow near Silver City**



**Mar 18 dust in El Paso**



**Mar 18 dust in El Paso**



**Mar 18 dust near Lordsburg**



**Mar 18 Gail Fire**



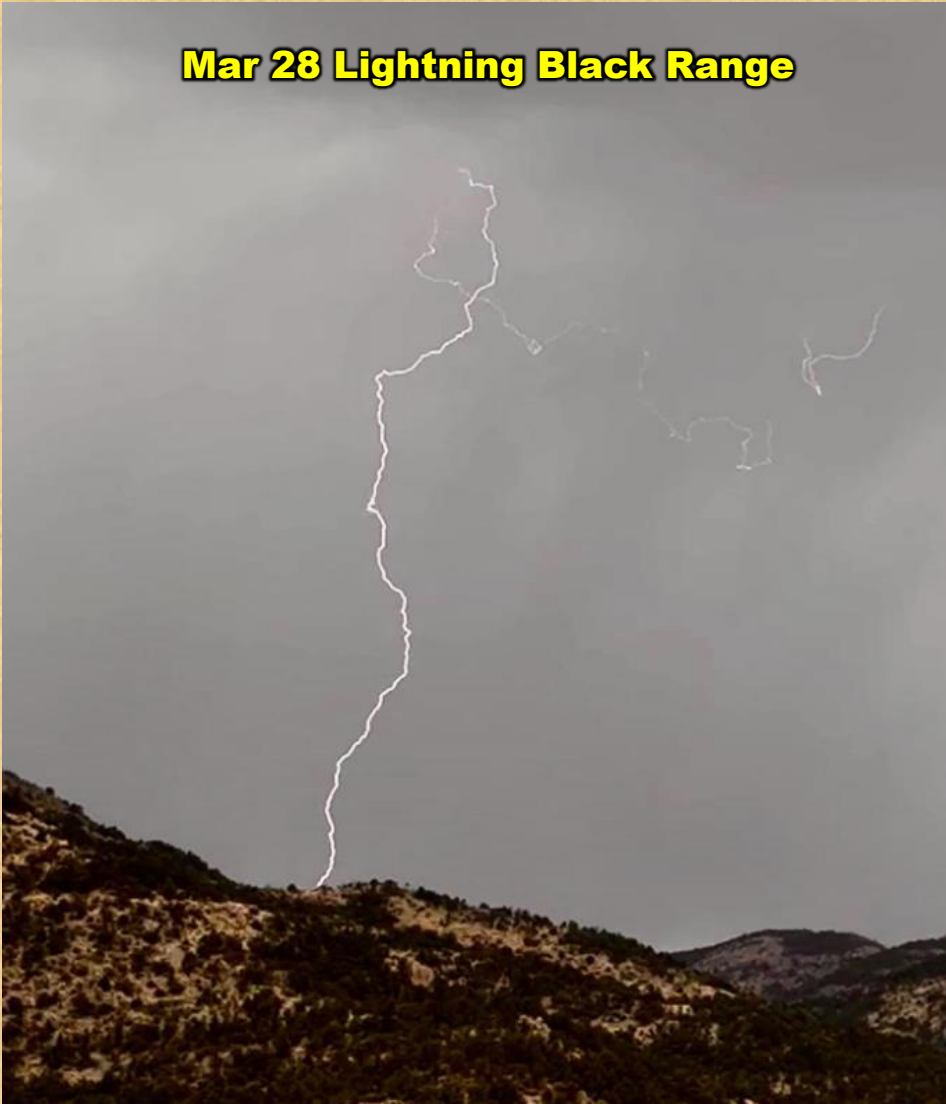
**Mar 18 wind damage El Paso**



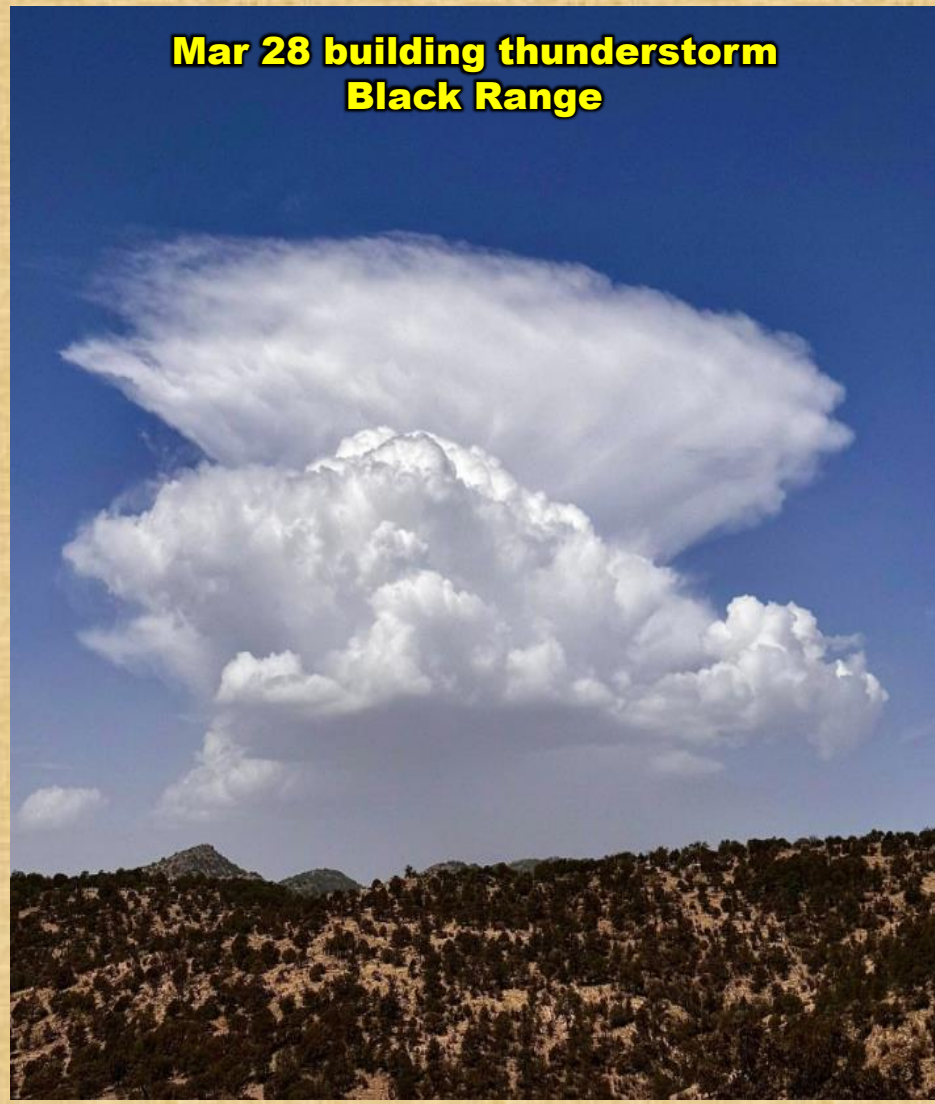
**Mar 18 wind damage El Paso**



**Mar 28 Lightning Black Range**



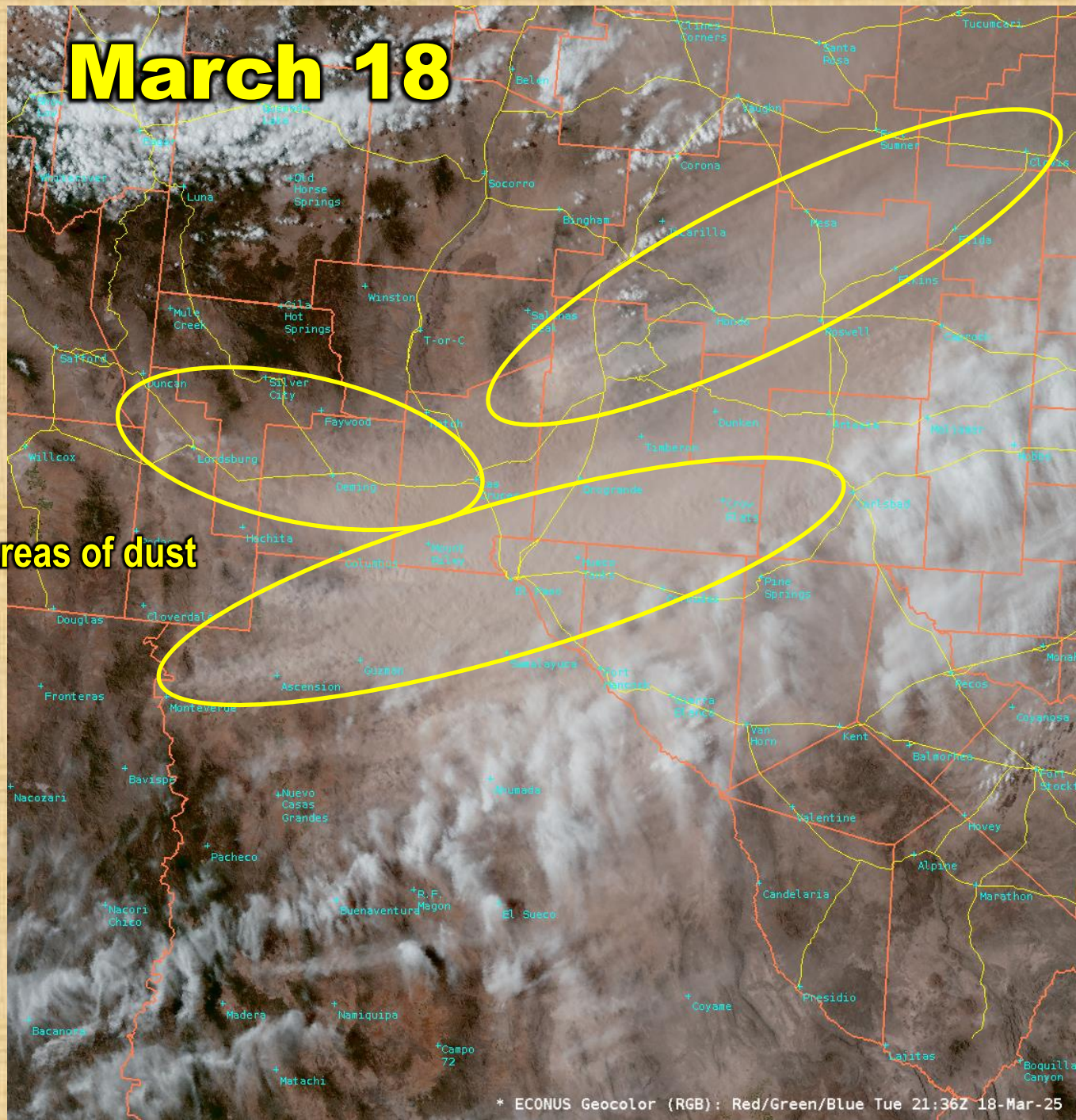
**Mar 28 building thunderstorm  
Black Range**





# March 18

Areas of dust

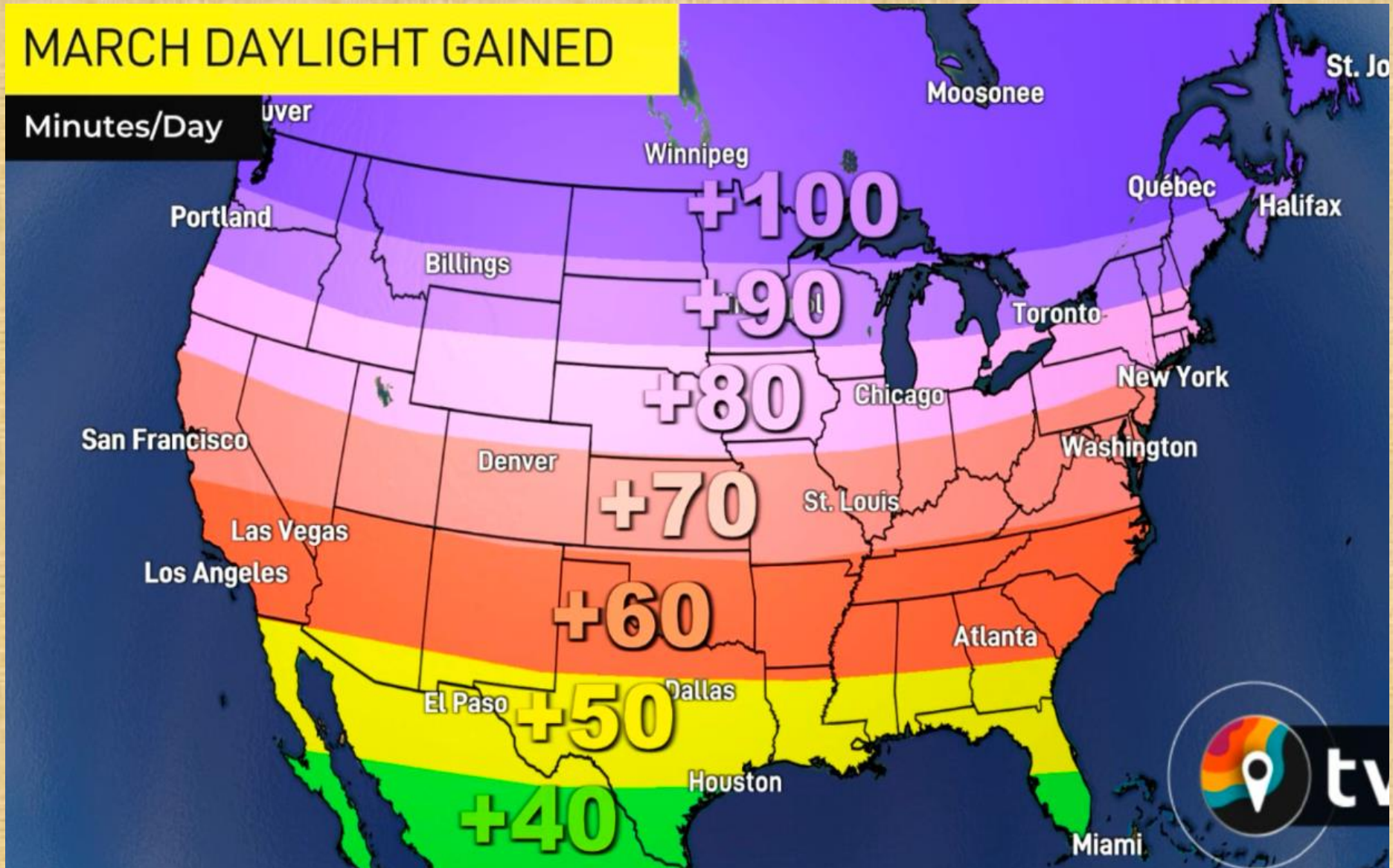




# Minutes of daylight gained in March

MARCH DAYLIGHT GAINED

Minutes/Day

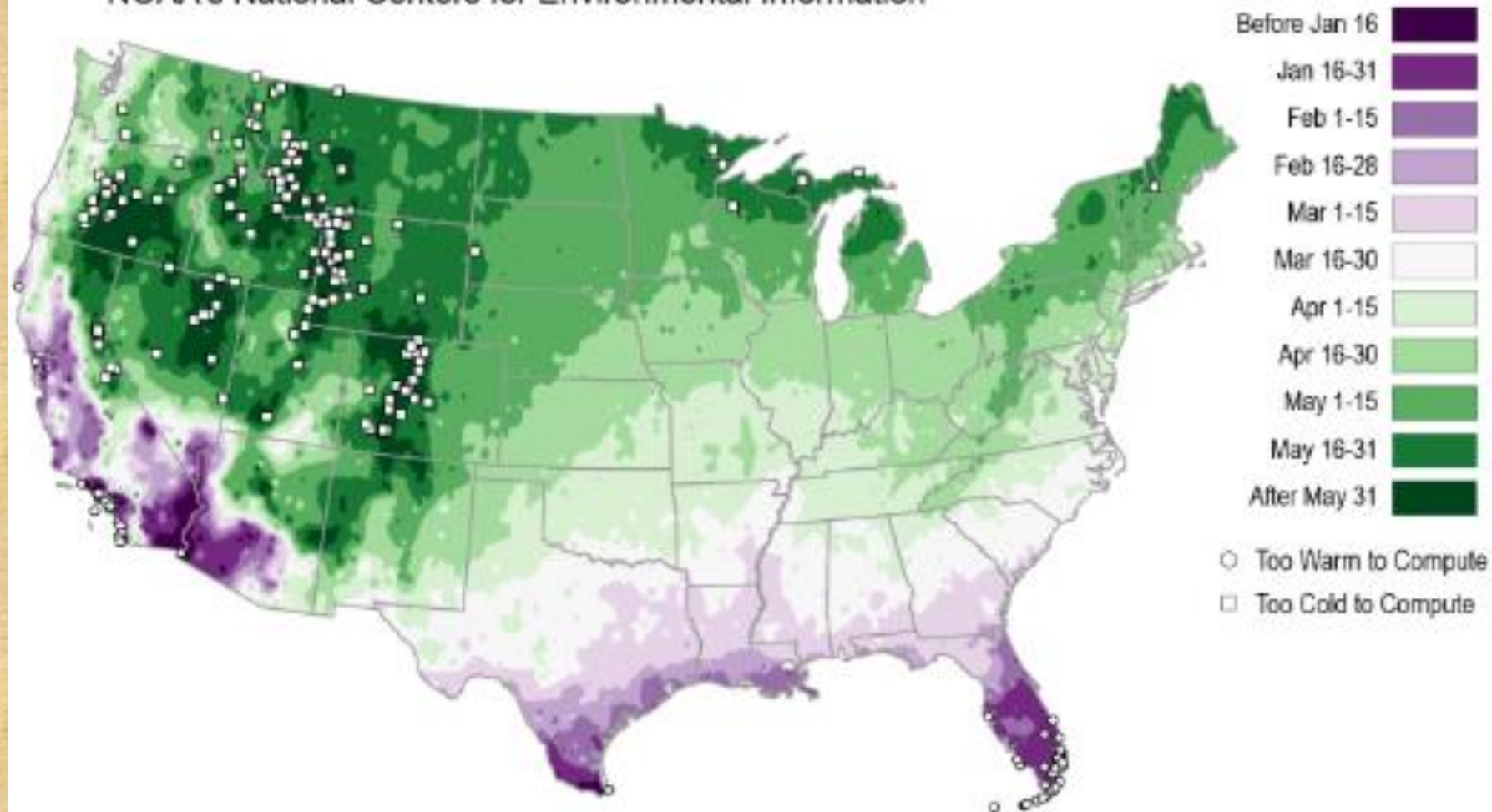




# Average Last Date of Spring Freeze

Based on the 1991-2020 U.S. Climate Normals

NOAA's National Centers for Environmental Information



# **ENSO Alert System Status:**

## **La Niña Advisory 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.

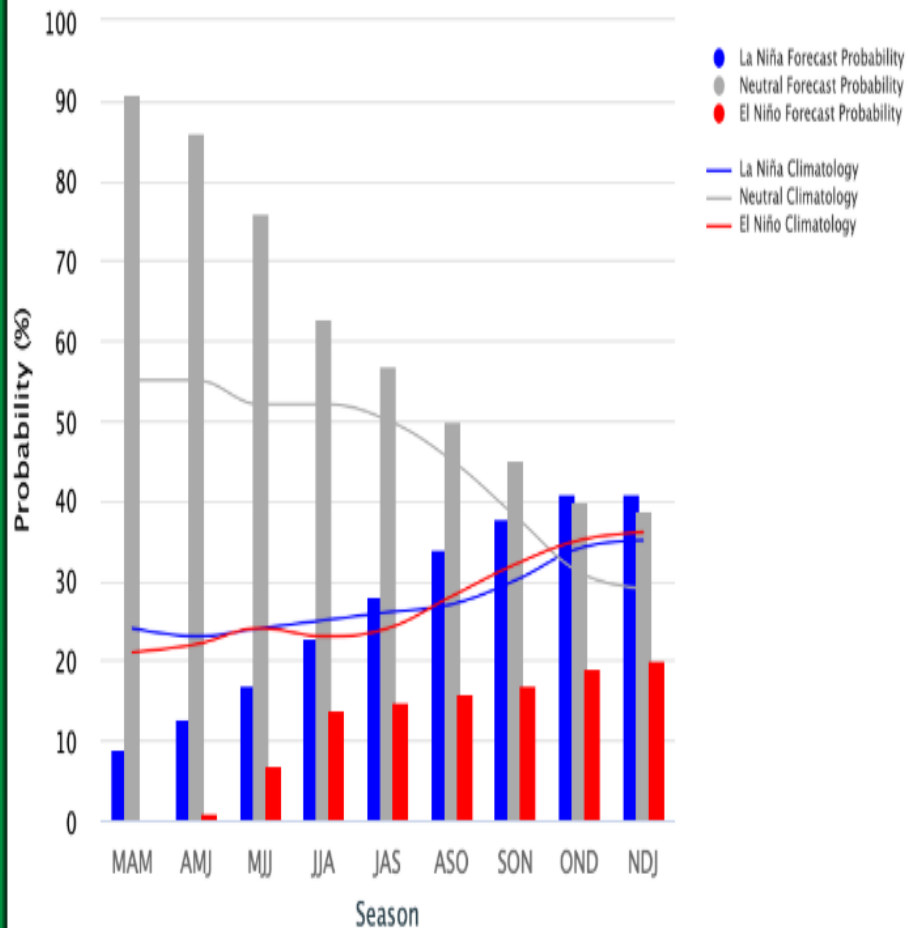


# ENSO Forecast

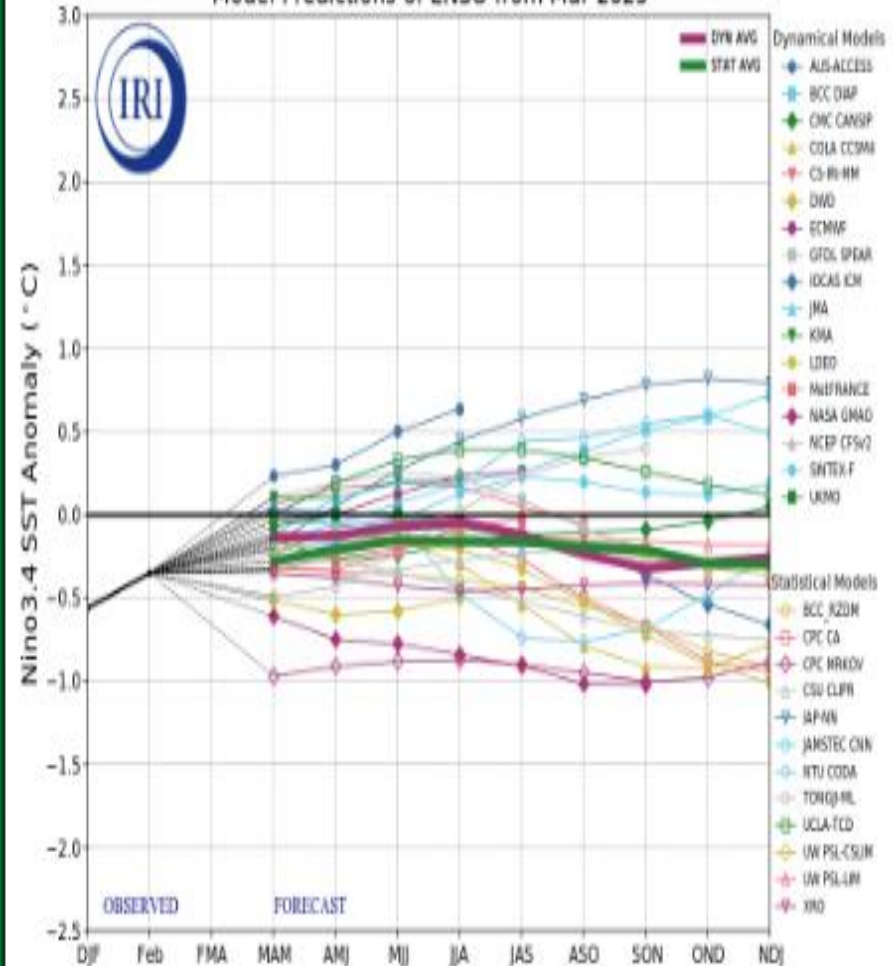
**ENSO is in La Niña phase, with a shift back to neutral by the end of Spring**

Mid-March 2025 IRI Model-Based Probabilistic ENSO Forecasts

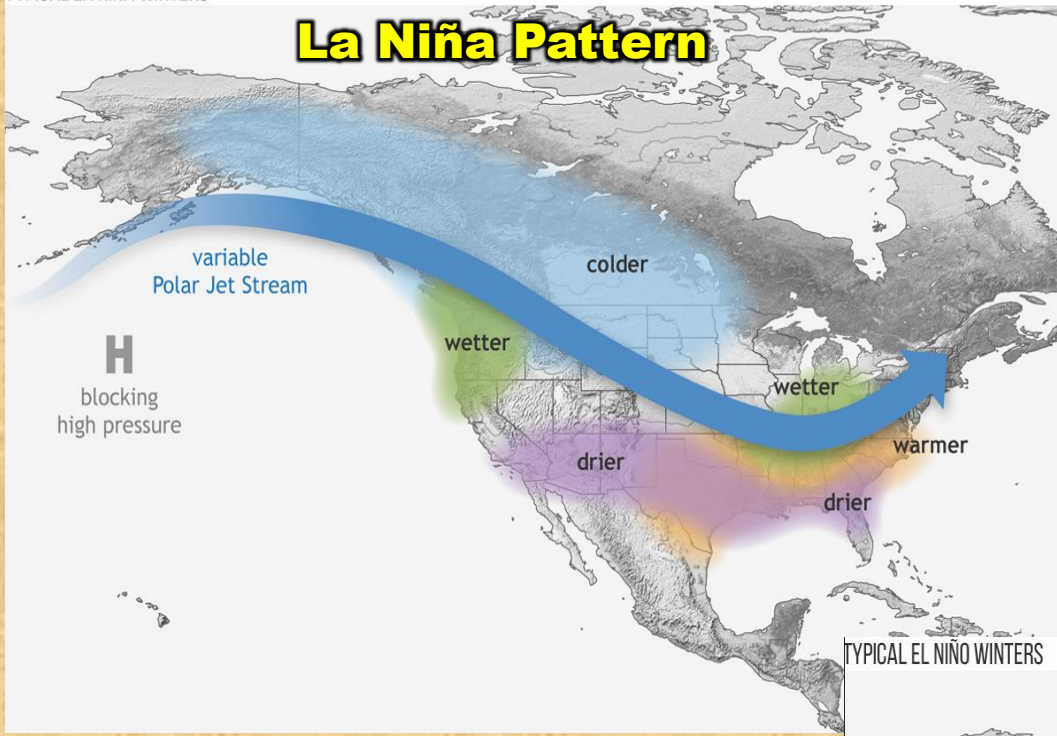
ENSO state based on NINO3.4 SST Anomaly Neutral ENSO:  $-0.5^{\circ}\text{C}$  to  $0.5^{\circ}\text{C}$



Model Predictions of ENSO from Mar 2025



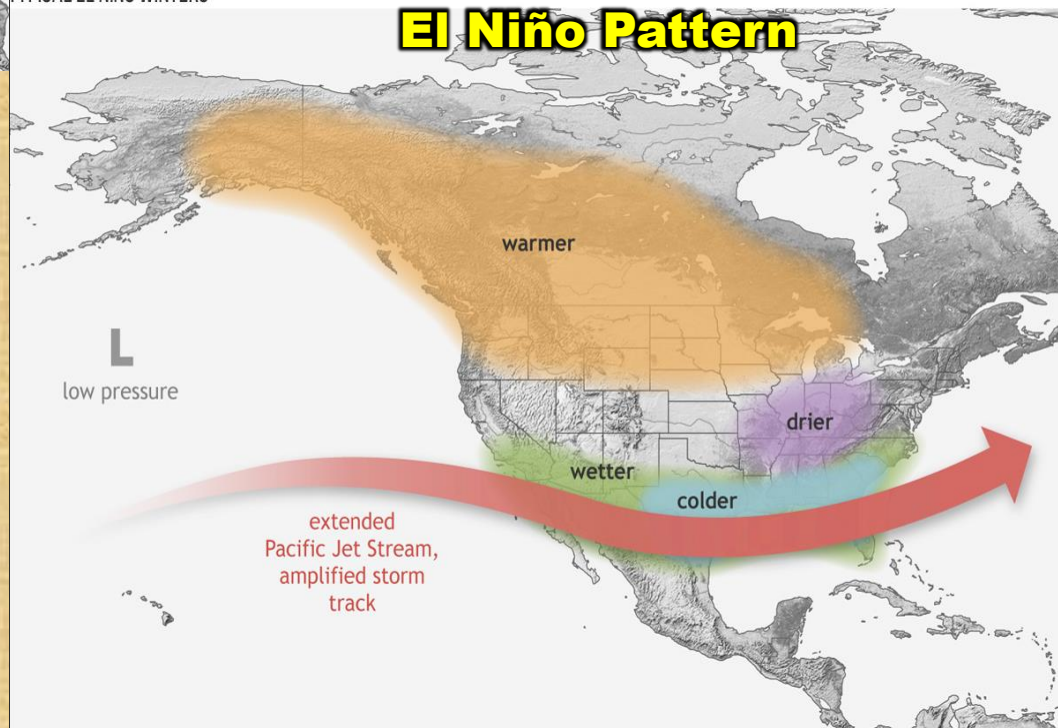
# La Niña Pattern



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

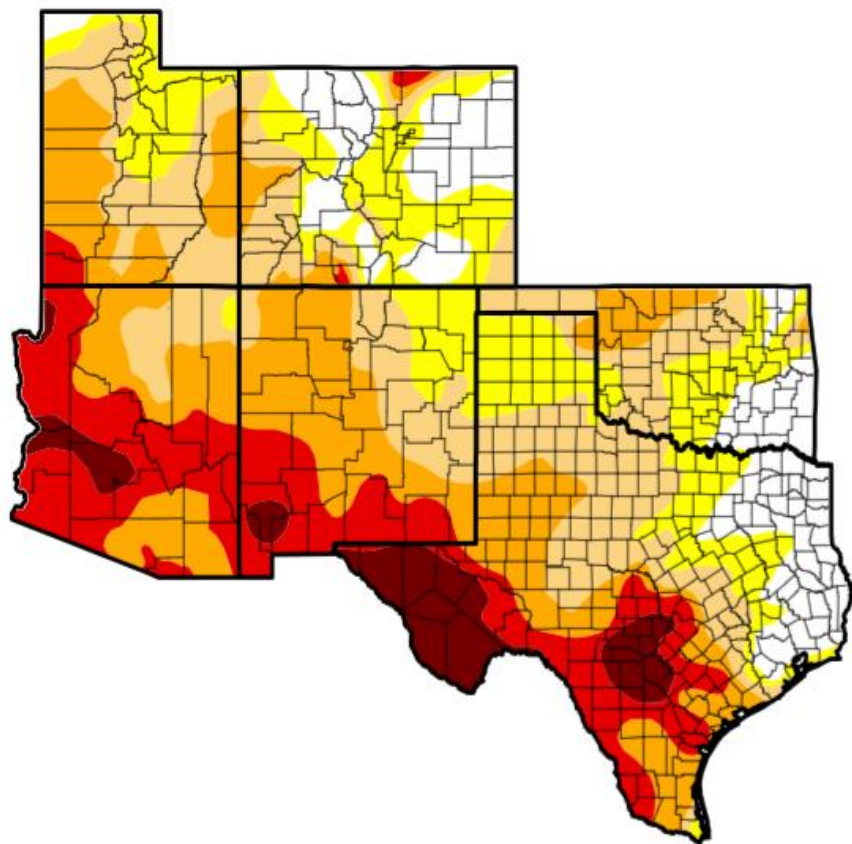




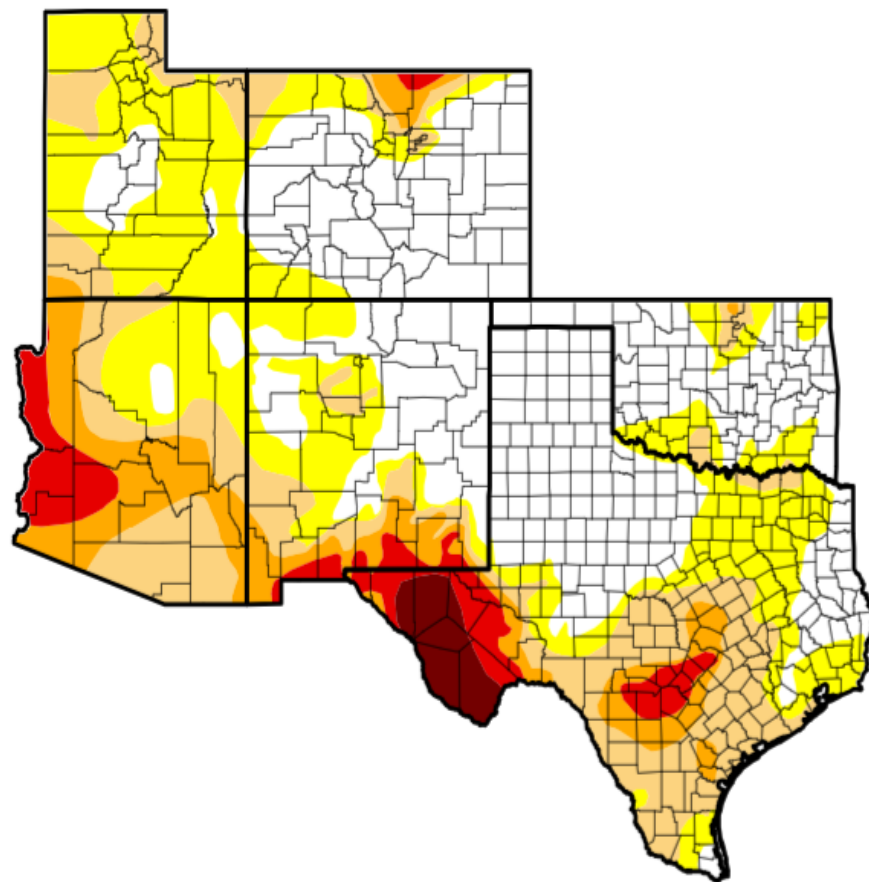
# Current drought conditions and 3 month change

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

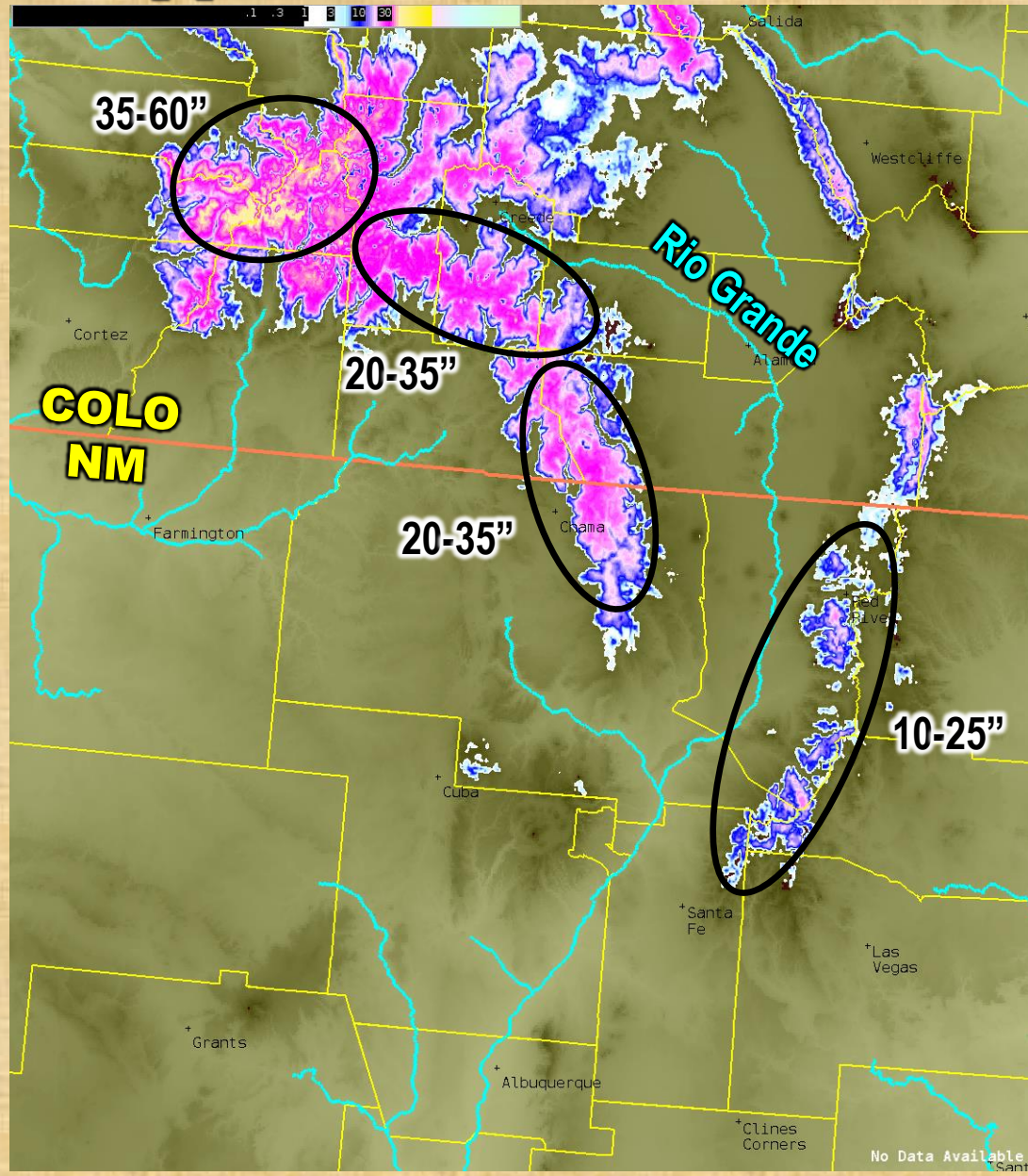
**Mar 25, 2025**



**Dec 31, 2024**



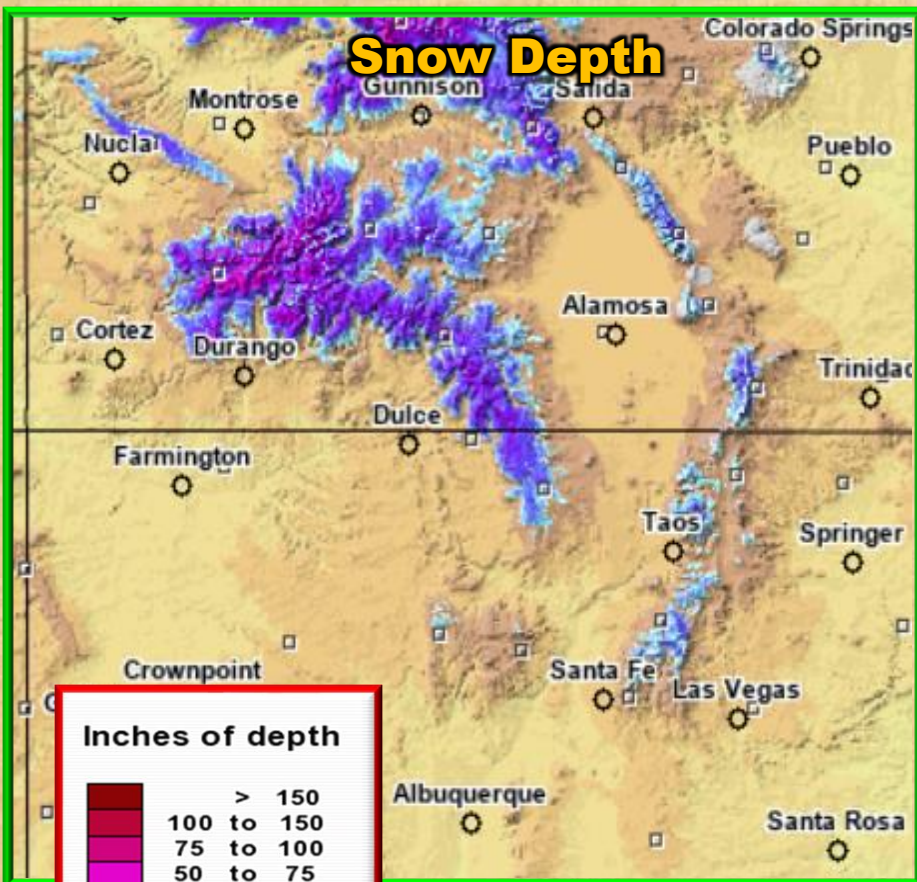
# March 31, 2025 Snow Depth Upper Rio Grande Basin



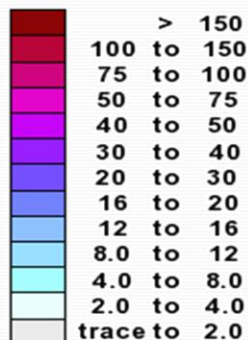


# Snow Data Upper Rio Grande Basin as of Mar 31, 2025

## Snow Depth

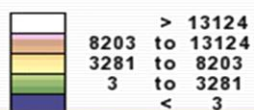


### Inches of depth

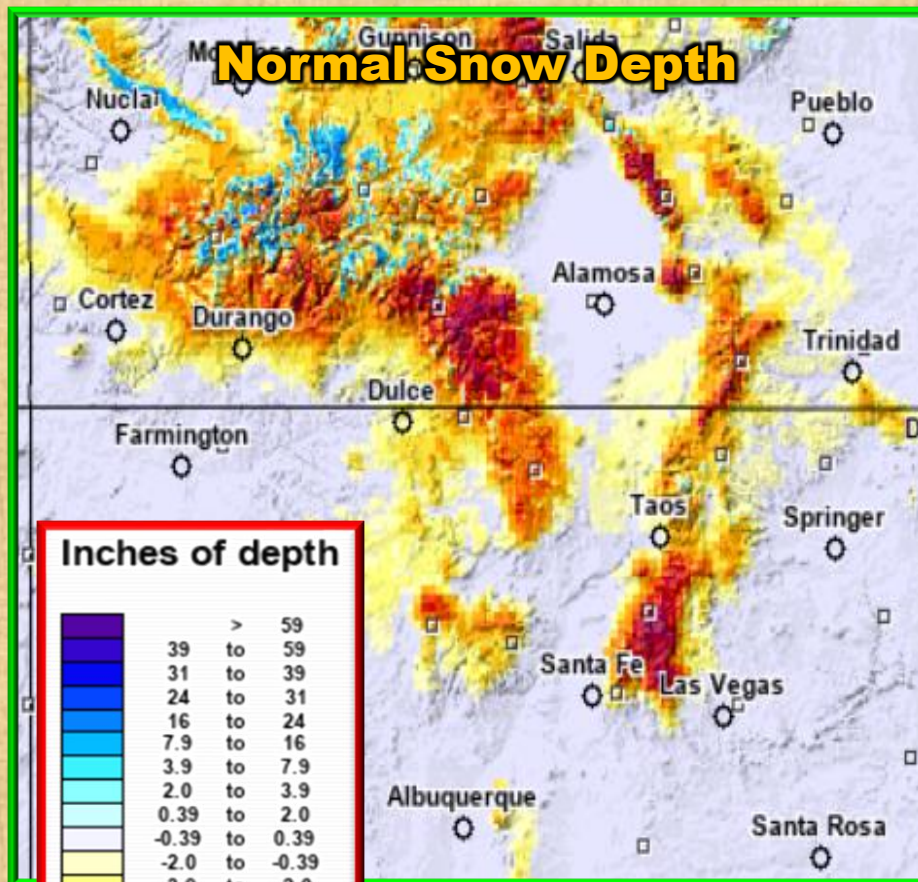


Not Estimated

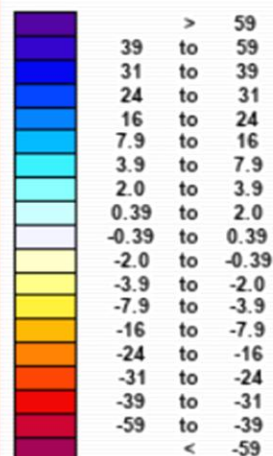
### Elevation in feet



## Normal Snow Depth



### Inches of depth



Not Estimated

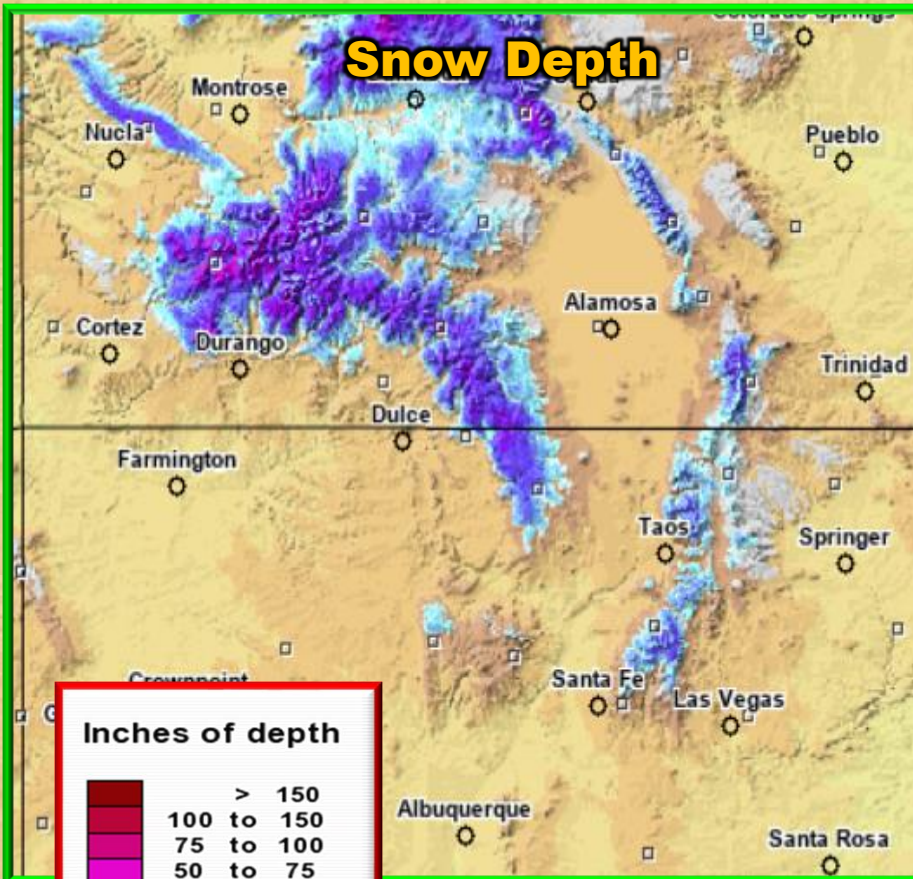
### Elevation in feet



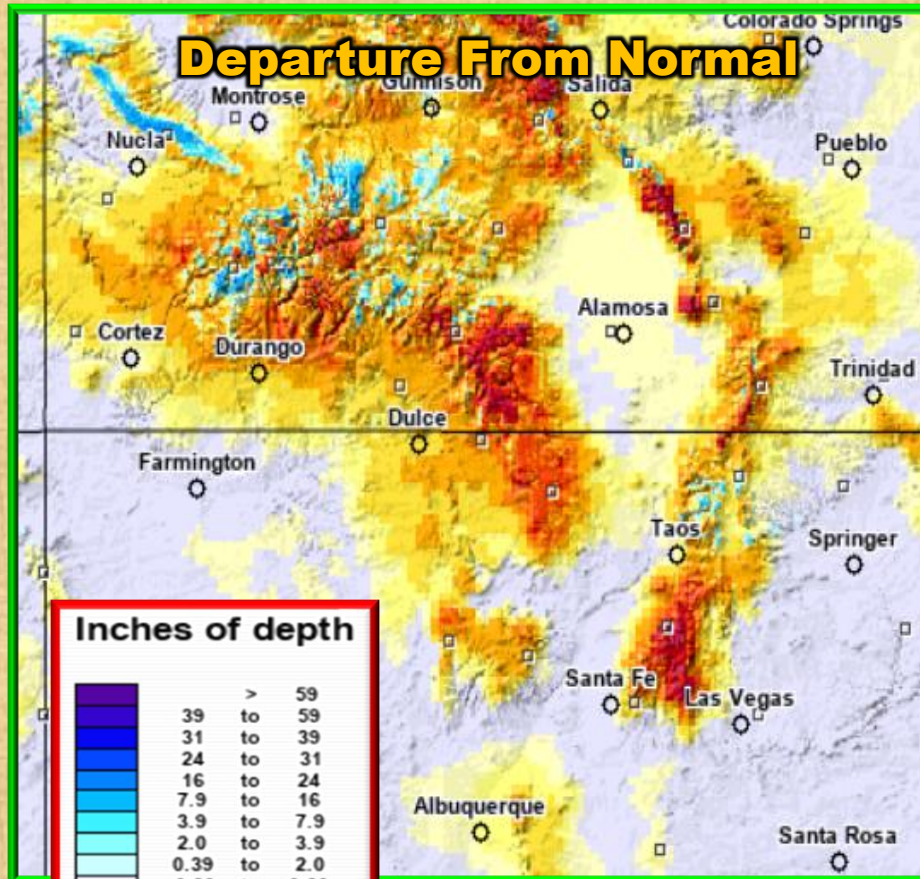


# Snow Data Upper Rio Grande Basin as of Feb 28, 2025

## Snow Depth



## Departure From Normal



# Snow Water Equivalent as of Mar 31, 2025

## Compare to last few years and average values

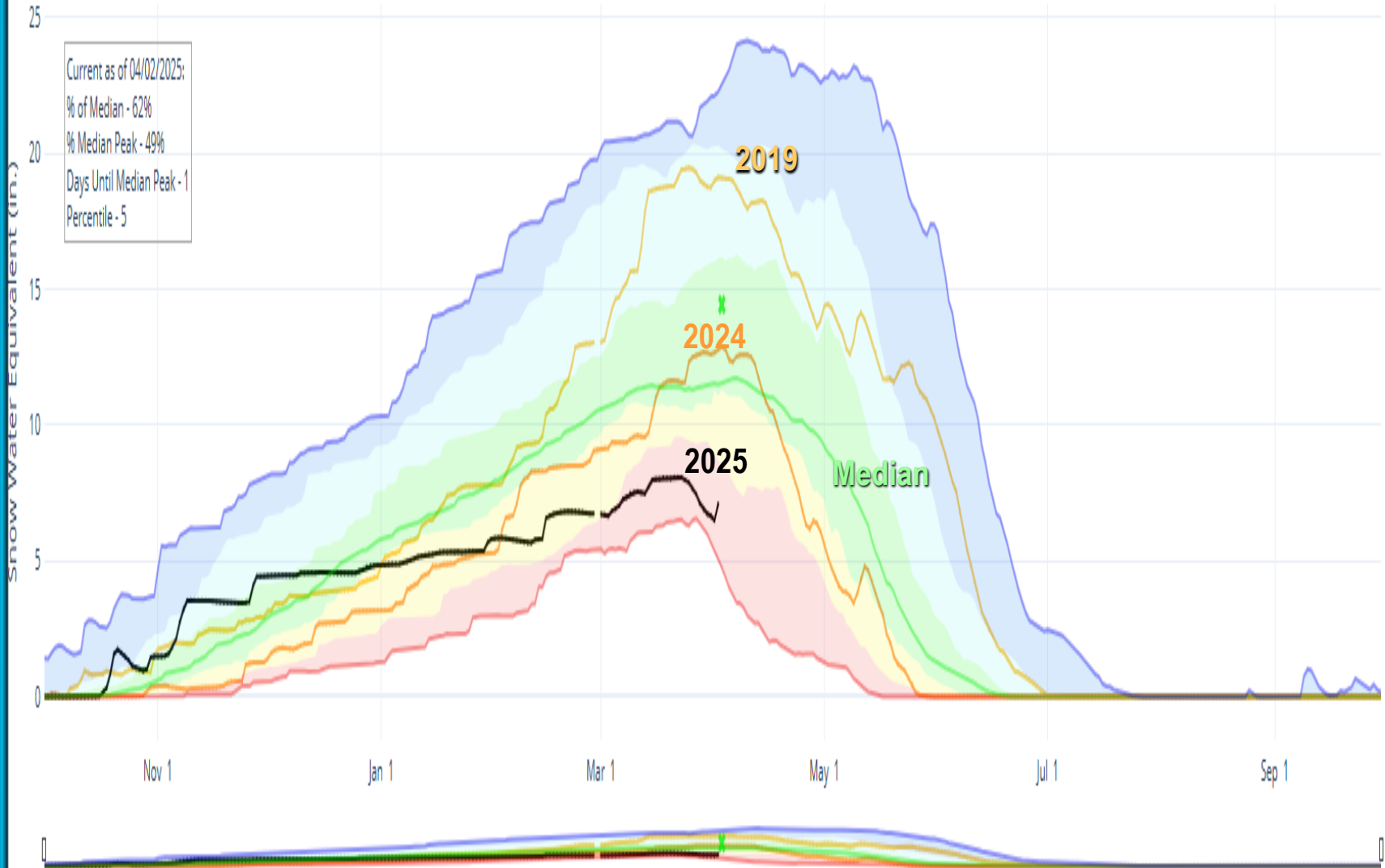
Reset Range

[Link to data: CSV / JSON](#)

[Station List](#)

Current as of 04/02/2025:  
% of Median - 62%  
% Median Peak - 49%  
Days Until Median Peak - 1  
Percentile - 5

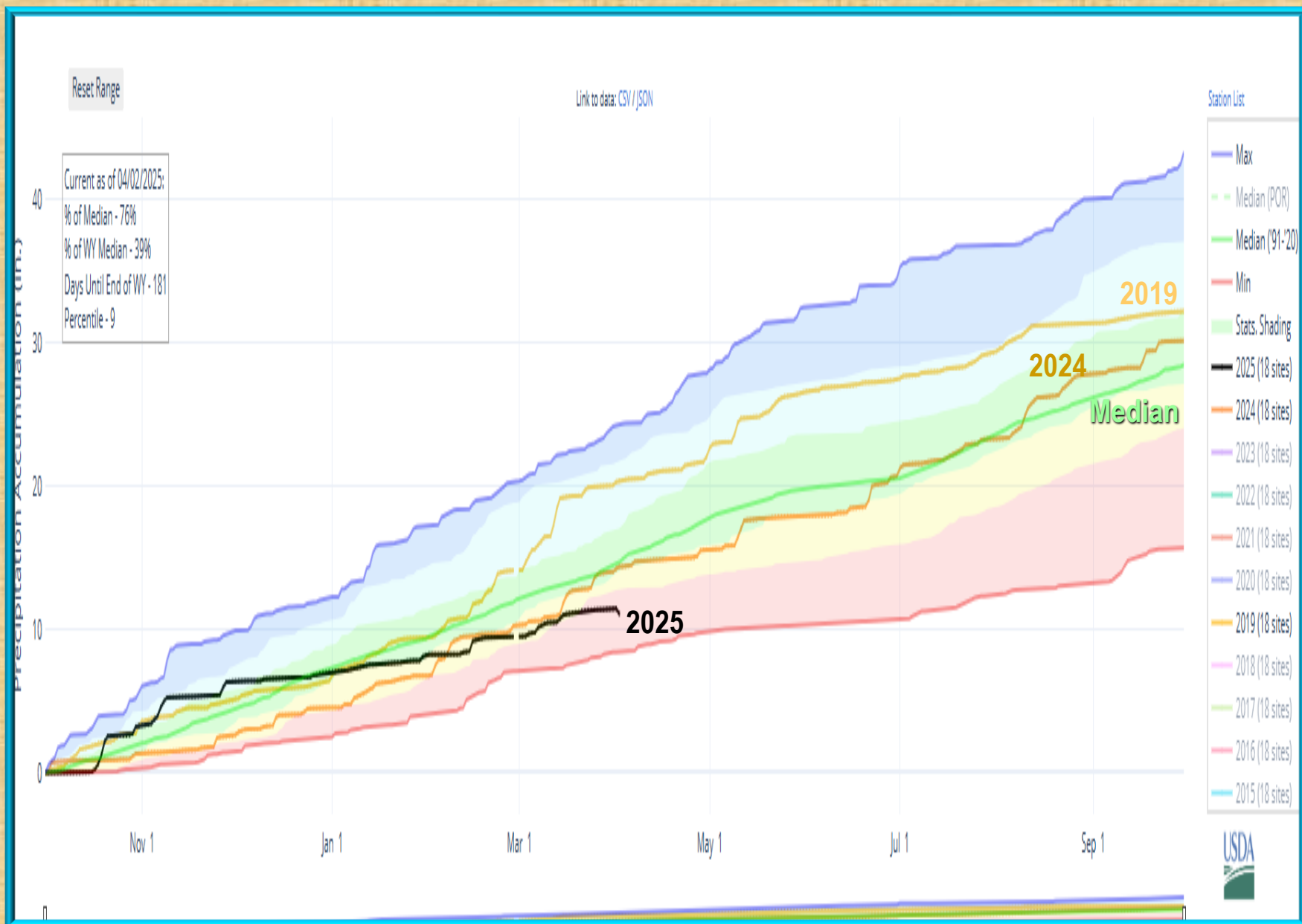
✱ Median Peak SW  
— Max  
- - Median (POR)  
— Median (91-'20)  
— Min  
Stats. Shading  
— 2025 (17 sites)  
— 2024 (17 sites)  
— 2023 (17 sites)  
— 2022 (17 sites)  
— 2021 (17 sites)  
— 2020 (17 sites)  
— 2019 (17 sites)  
— 2018 (17 sites)  
— 2017 (17 sites)  
— 2016 (17 sites)





# Precipitation for the Water YTD Oct 1 – Mar 31, 2025

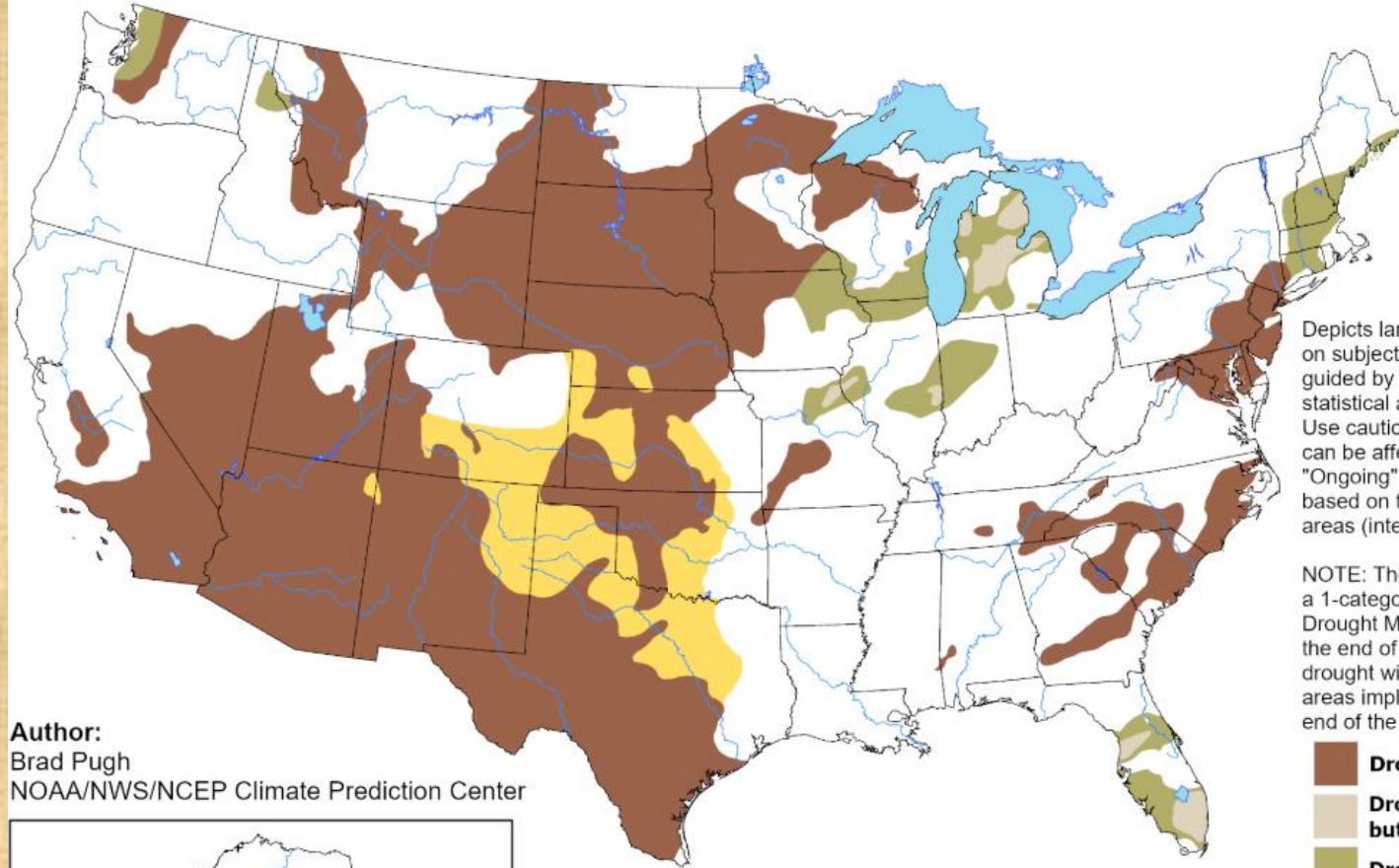
## Compare to last few years and average values



# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for March 20 - June 30, 2025  
Released March 20, 2025

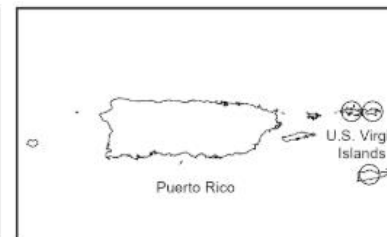
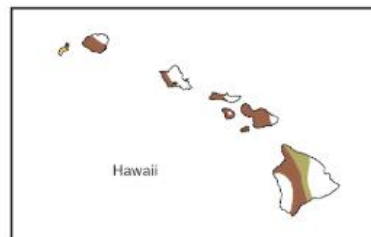


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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



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

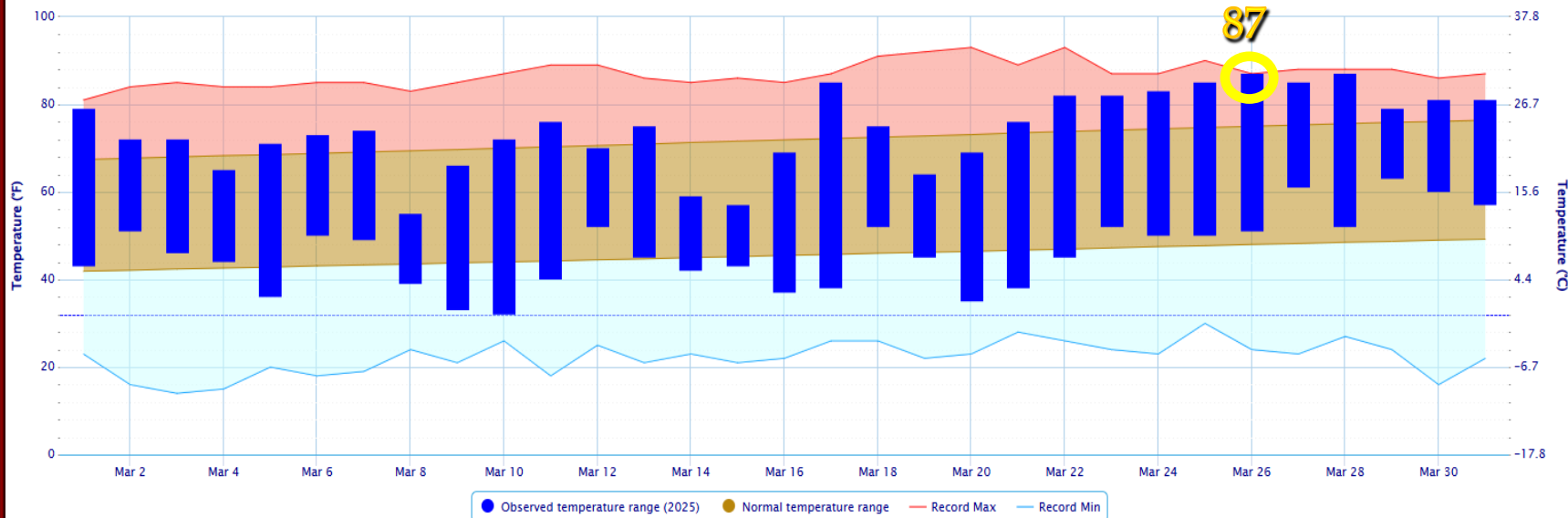


# Temperature and precipitation data for March 2025 in El Paso

○ = record

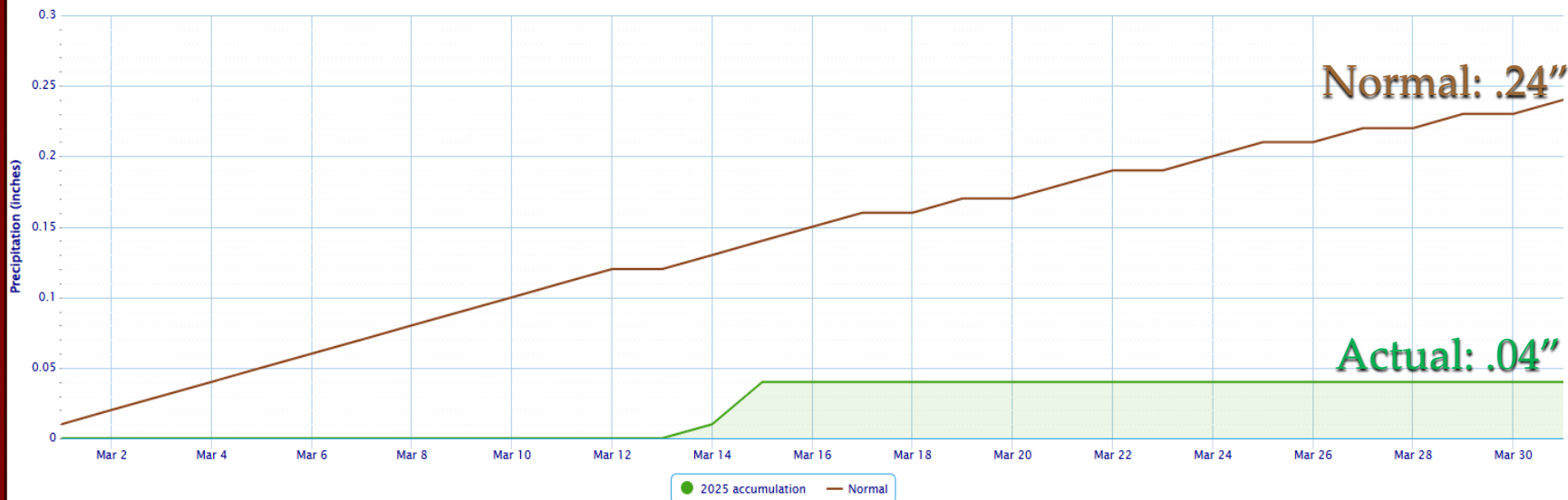
Daily Temperature Data – El Paso Area, TX (ThreadEx)

Period of Record – Max temperature: 1887-01-01 to 2025-04-01; Min temperature: 1879-01-01 to 2025-04-01. Normals period: 1991-2020. Click and drag to zoom chart.

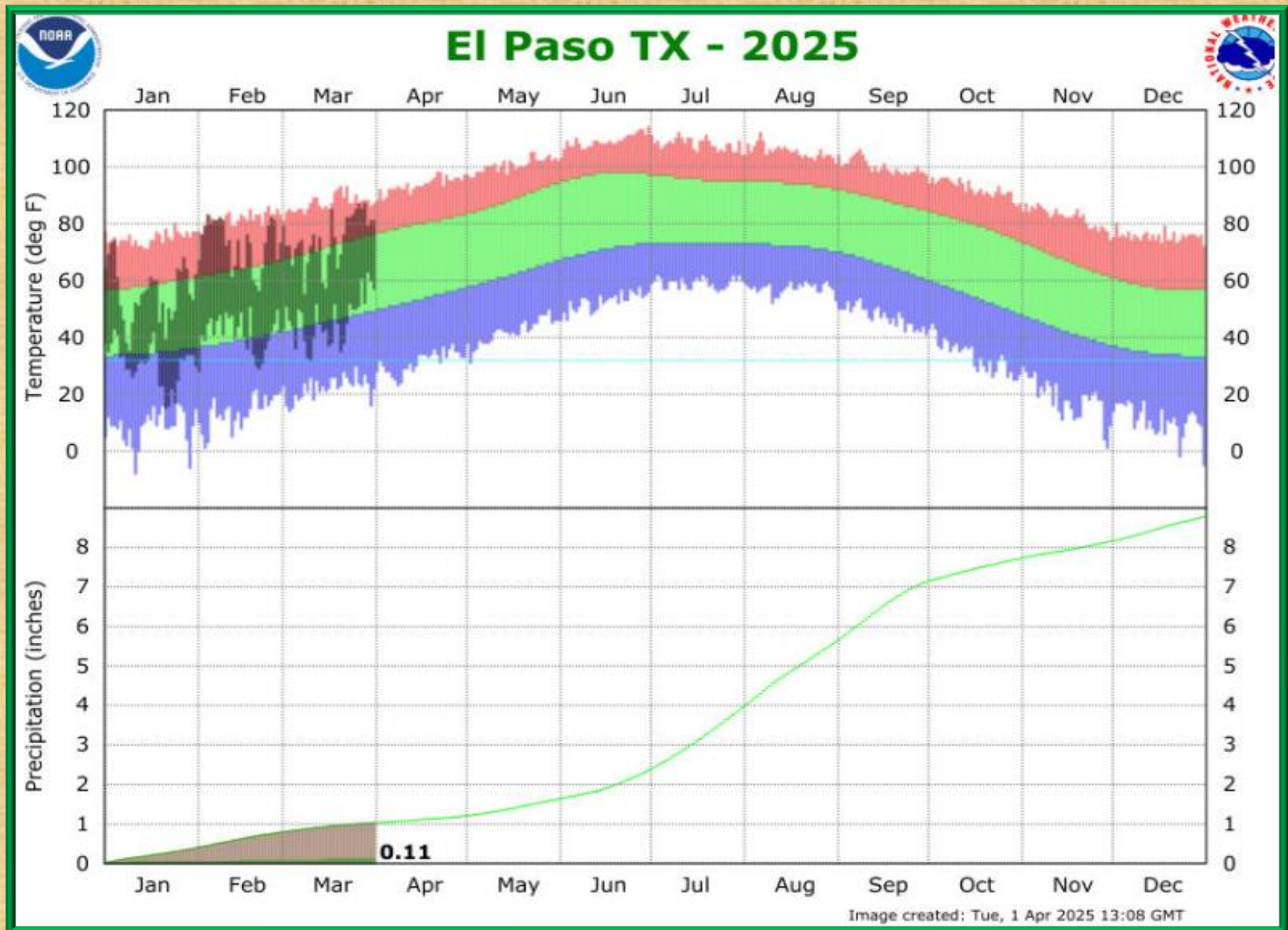


Accumulated Precipitation – El Paso Area, TX (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values

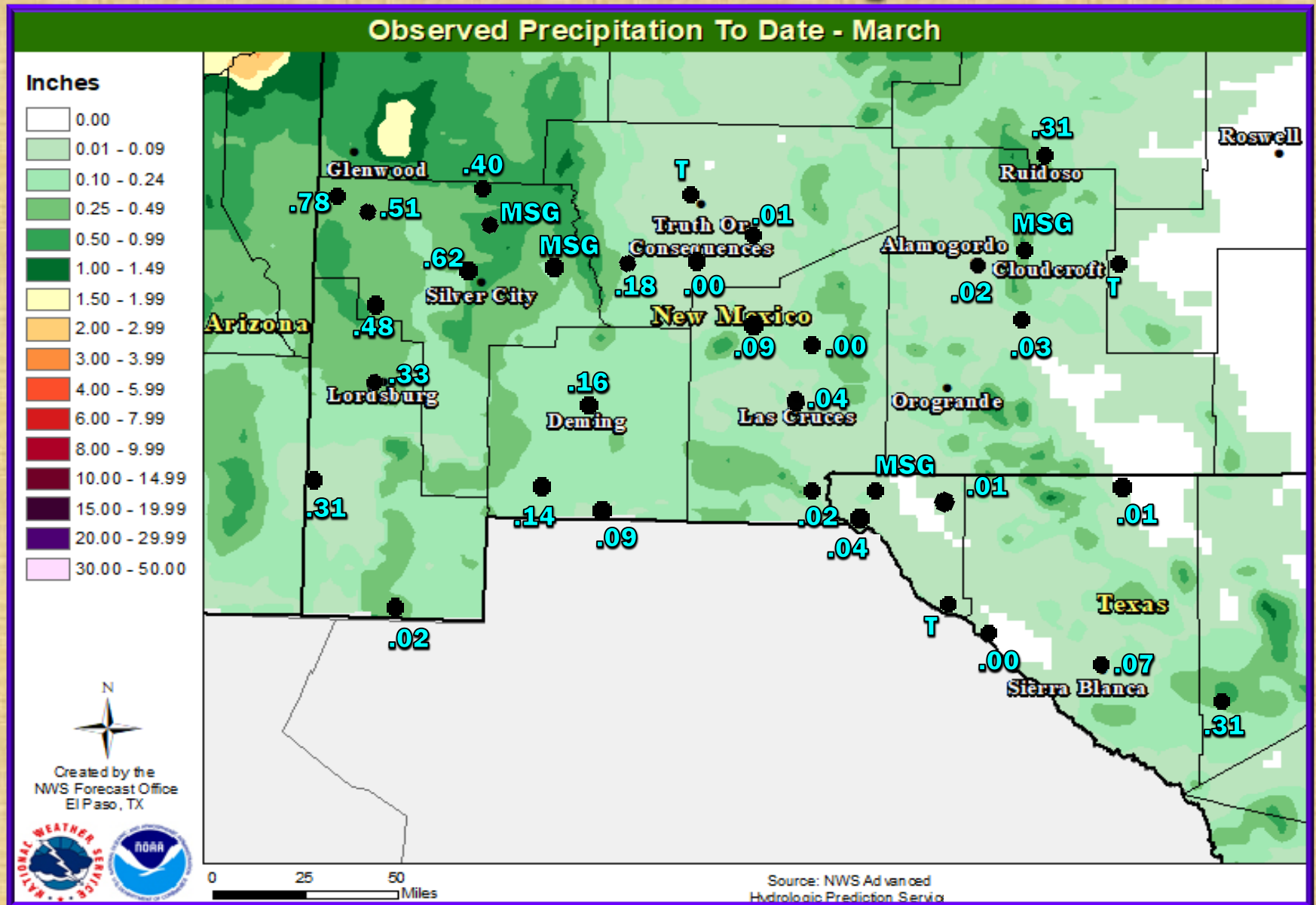


# 2025 Temperature and Precipitation through March El Paso

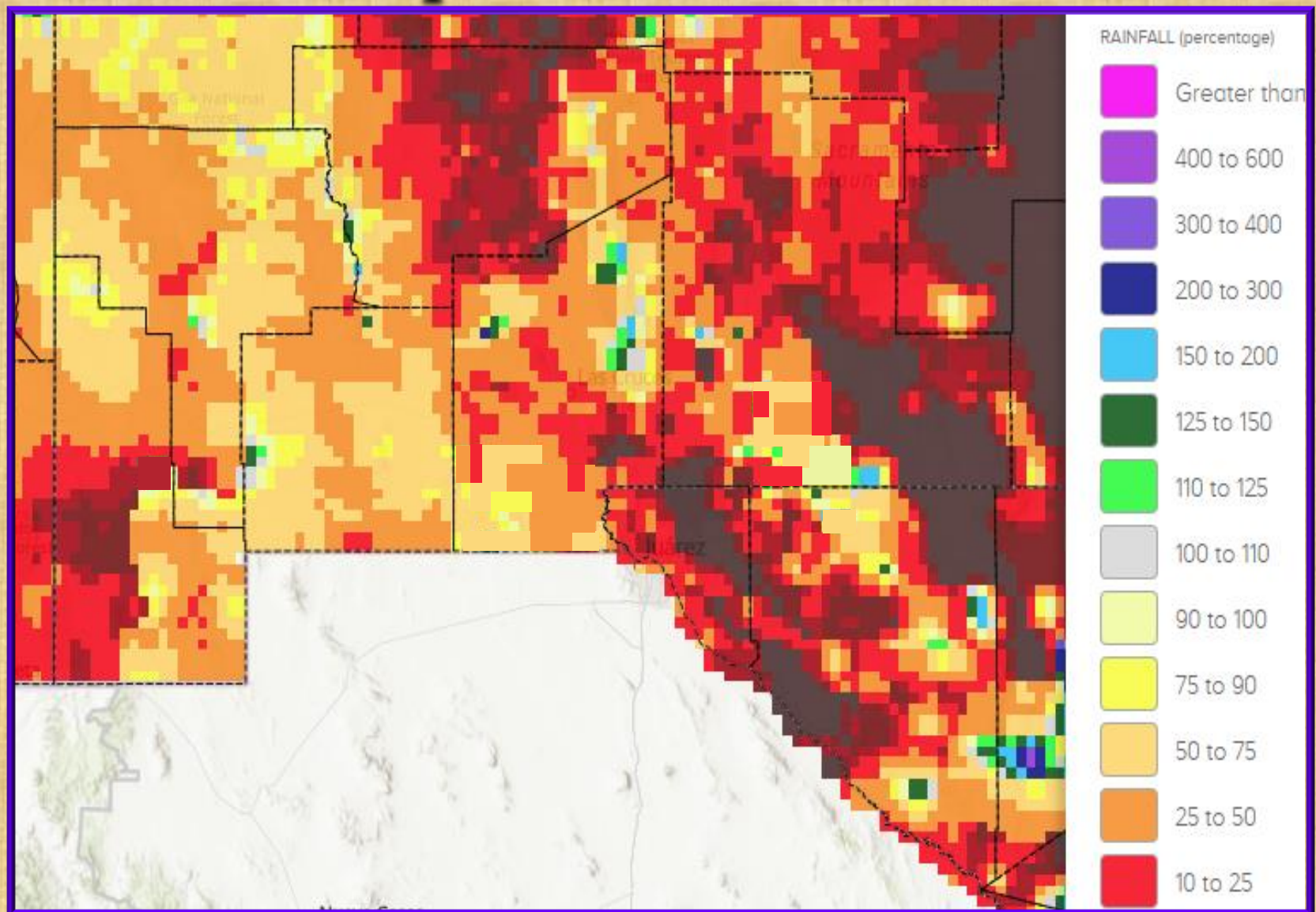




# March 2025 rainfall estimate with surface rainfall reports

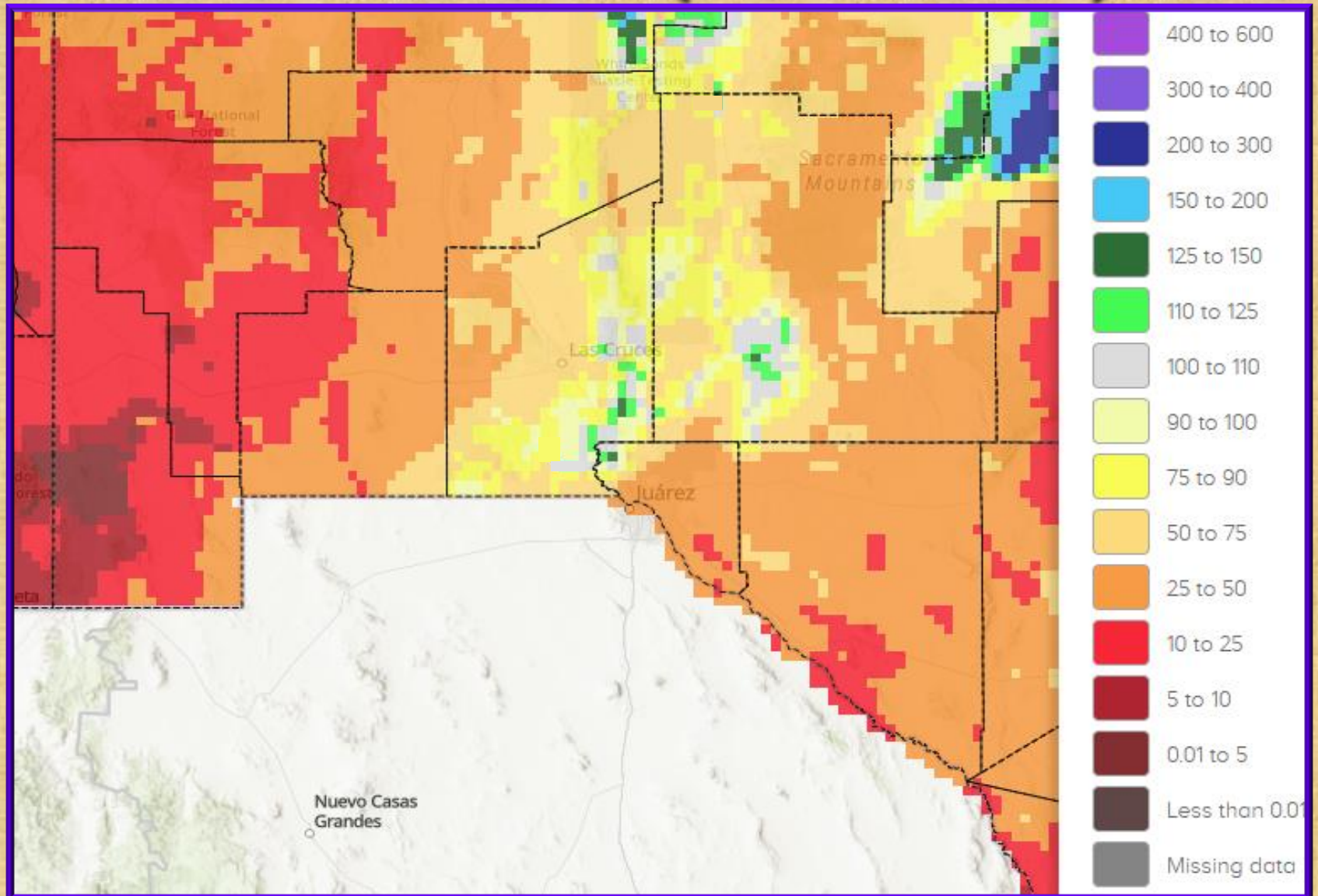


# March 2025 rainfall estimate percent of normal





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



# Temperature and precipitation outlook For Apr 2025

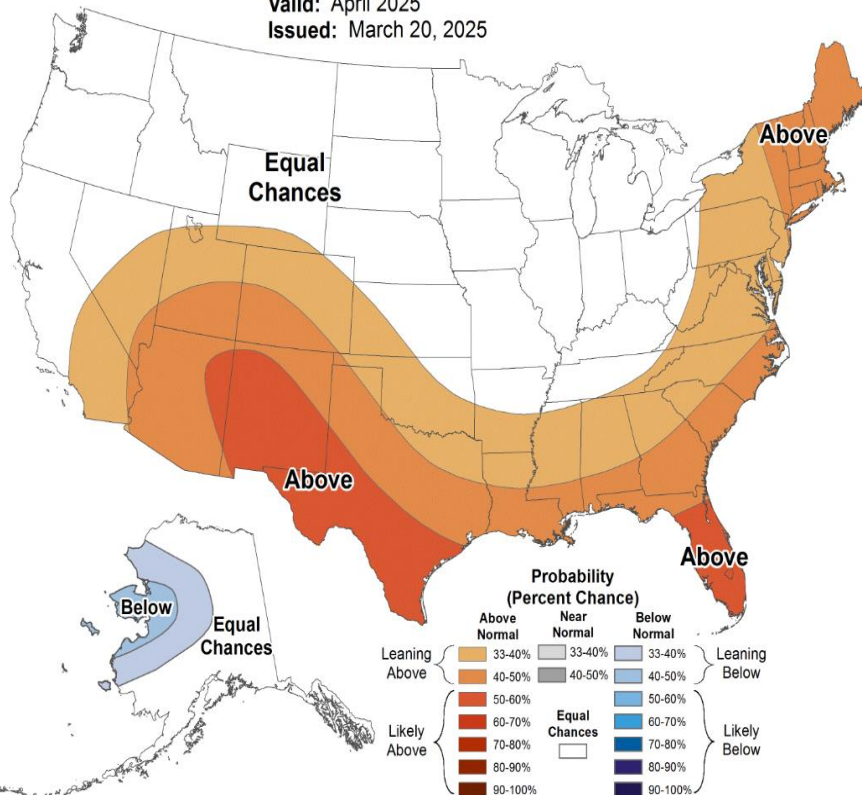
## Temperature

## Precipitation



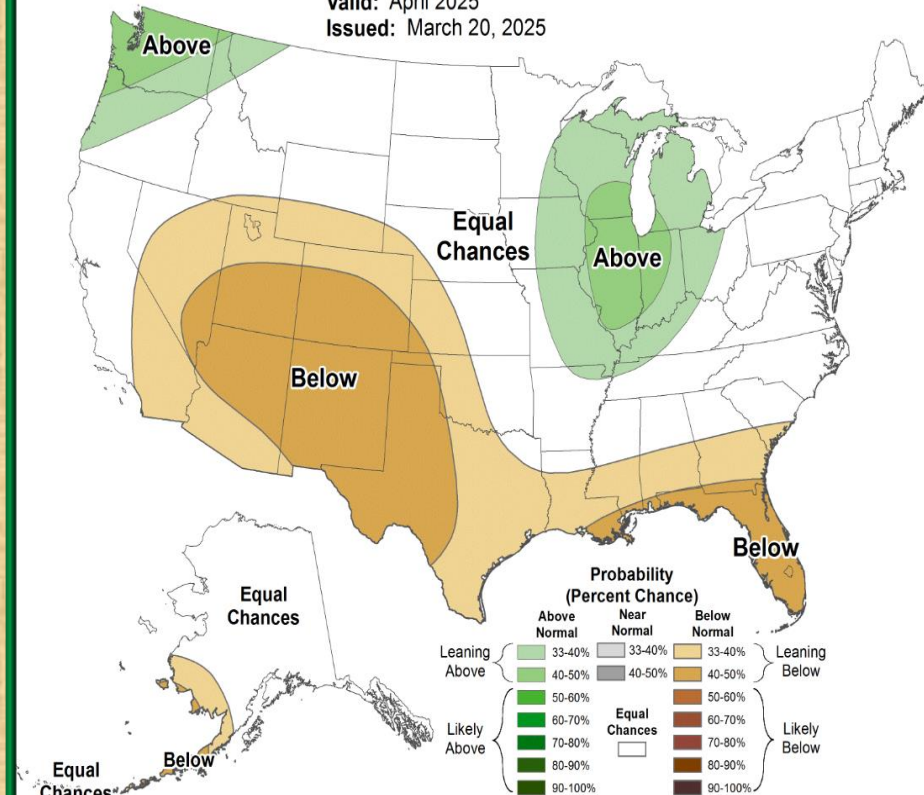
### Monthly Temperature Outlook

Valid: April 2025  
Issued: March 20, 2025



### Monthly Precipitation Outlook

Valid: April 2025  
Issued: March 20, 2025





# Temperature

valid: Apr-May-Jun 2023  
 Issued: March 20, 2025

Equal Chances

Below

Equal Chances

Above

Above

Equal Chances

Below

Probability (Percent Chance)

Above Normal	Near Normal	Below Normal
33-40%	33-40%	33-40%
40-50%	40-50%	40-50%
50-60%		50-60%
60-70%		60-70%
70-80%		70-80%
80-90%		80-90%
90-100%		90-100%

Leaning Above

Likely Above

Equal Chances

Leaning Below

Likely Below

# Temperature and precipitation outlook for Jul-Sep 2025

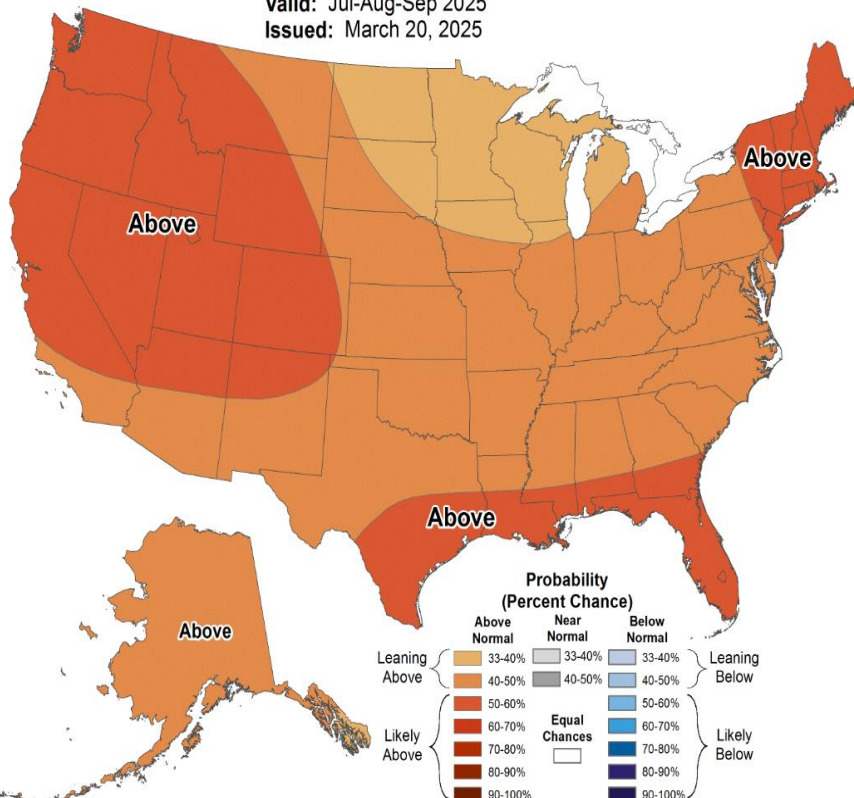
## Temperature

## Precipitation



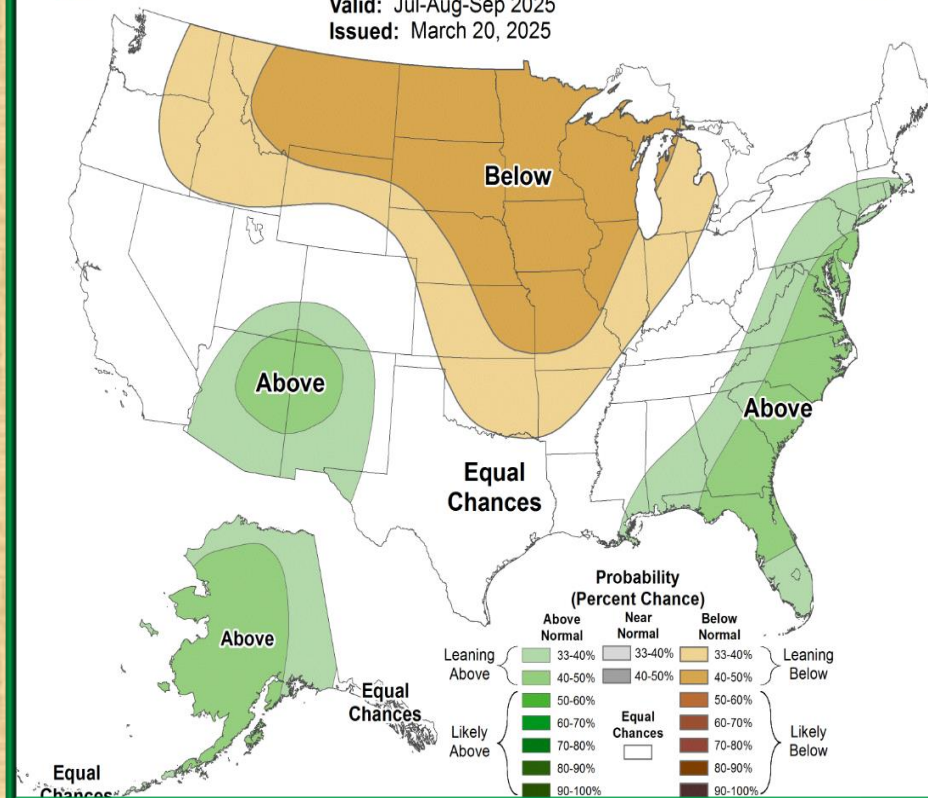
### Seasonal Temperature Outlook

Valid: Jul-Aug-Sep 2025  
Issued: March 20, 2025



### Seasonal Precipitation Outlook

Valid: Jul-Aug-Sep 2025  
Issued: March 20, 2025



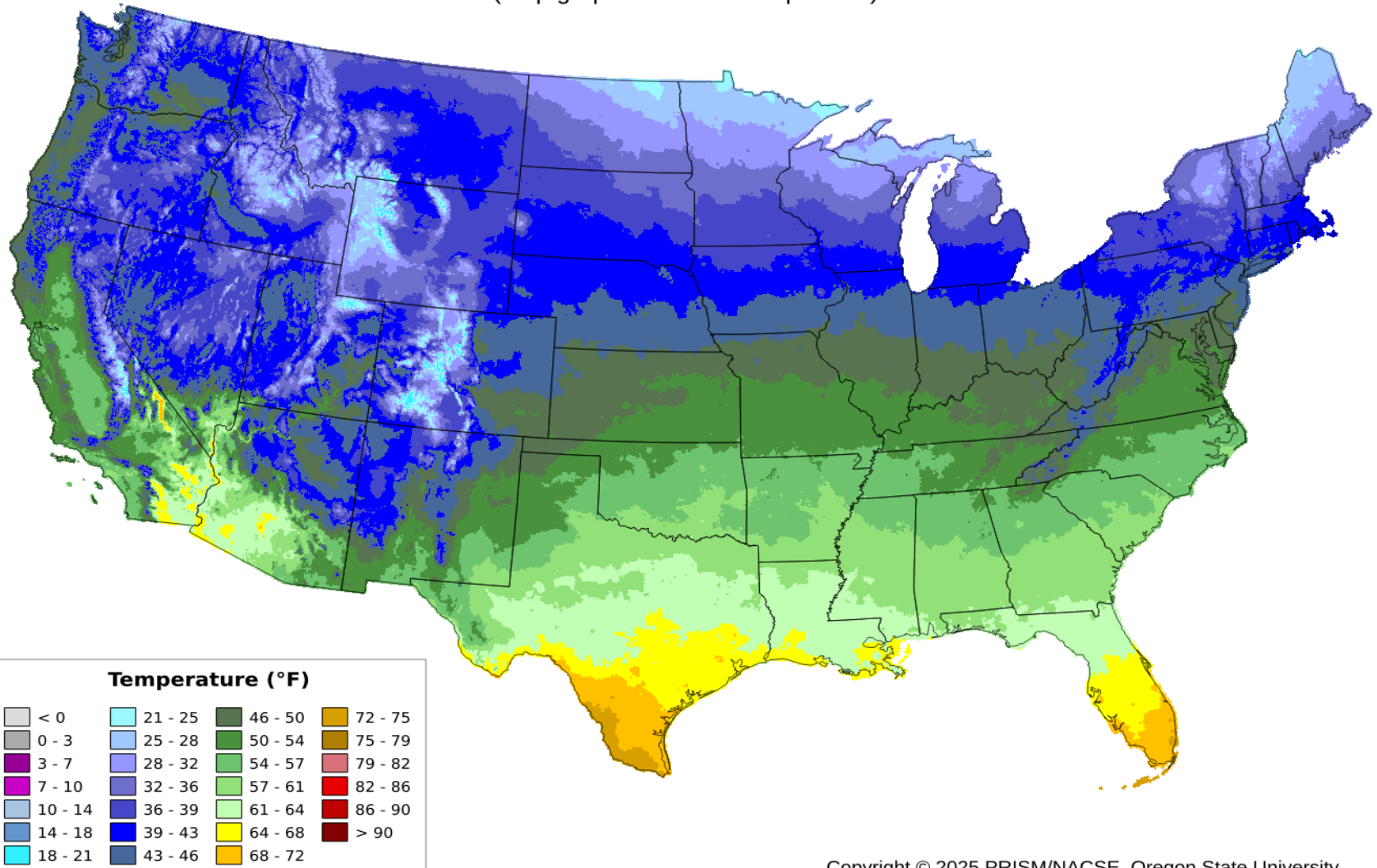


# Average Daily Mean Temperature for March 2025

Average Daily Mean Temperature: 01 Mar 2025 - 31 Mar 2025

Period ending 7 AM EST 31 Mar 2025

(Map graphic created 01 Apr 2025)



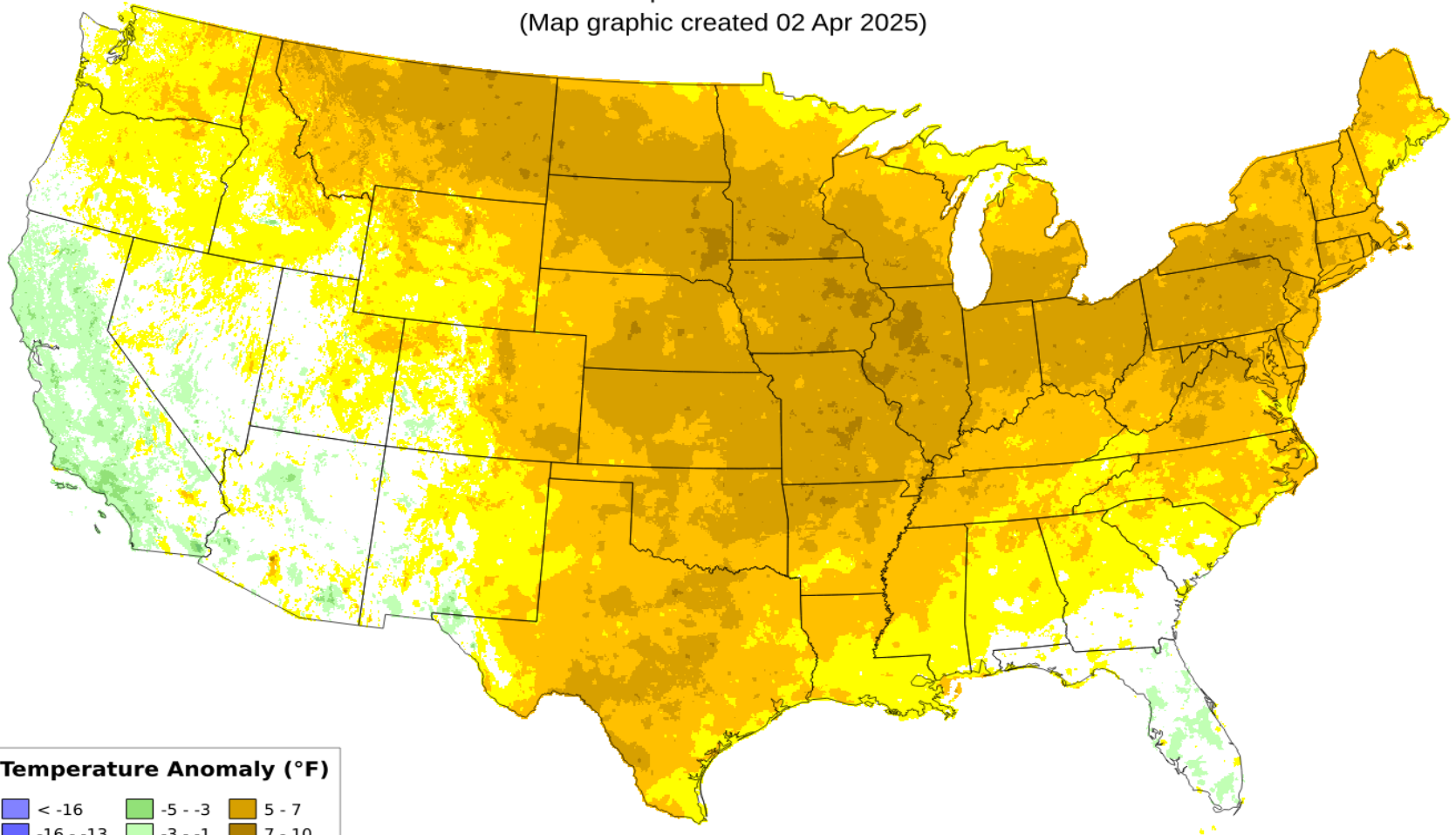
# Daily Mean Temperature Departure from Normal, March 2025

Daily Mean Temperature Anomaly: Mar 2025

Period ending 7 AM EST 31 Mar 2025

Base period: 1991-2020

(Map graphic created 02 Apr 2025)



## Temperature Anomaly (°F)

< -16	-5 - -3	5 - 7
-16 - -13	-3 - -1	7 - 10
-13 - -10	-1 - 1	10 - 13
-10 - -7	1 - 3	13 - 16
-7 - -5	3 - 5	> 16

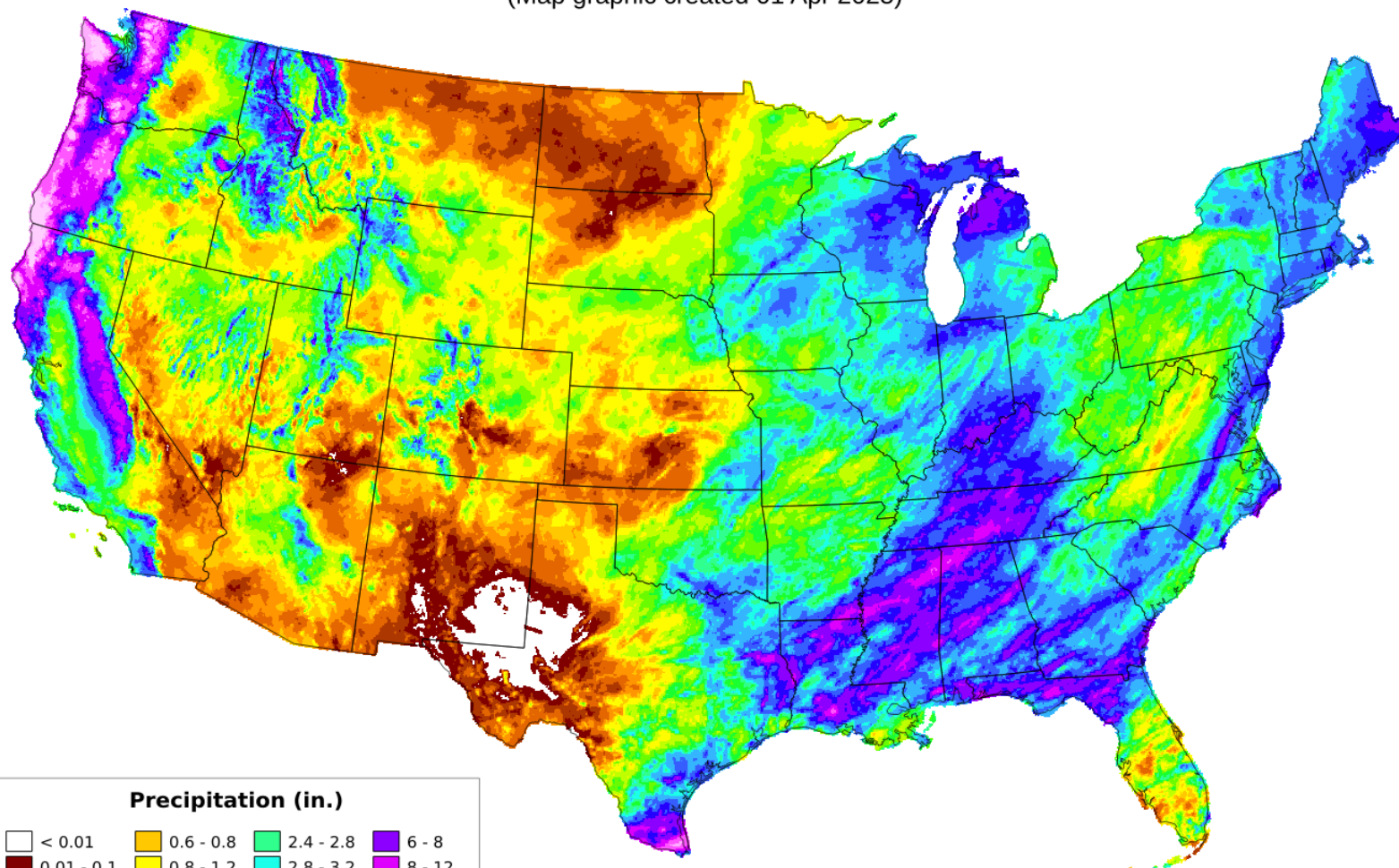


# Total Precipitation for March 2025

Total Precipitation: 01 Mar 2025 - 31 Mar 2025

Period ending 7 AM EST 31 Mar 2025

(Map graphic created 01 Apr 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

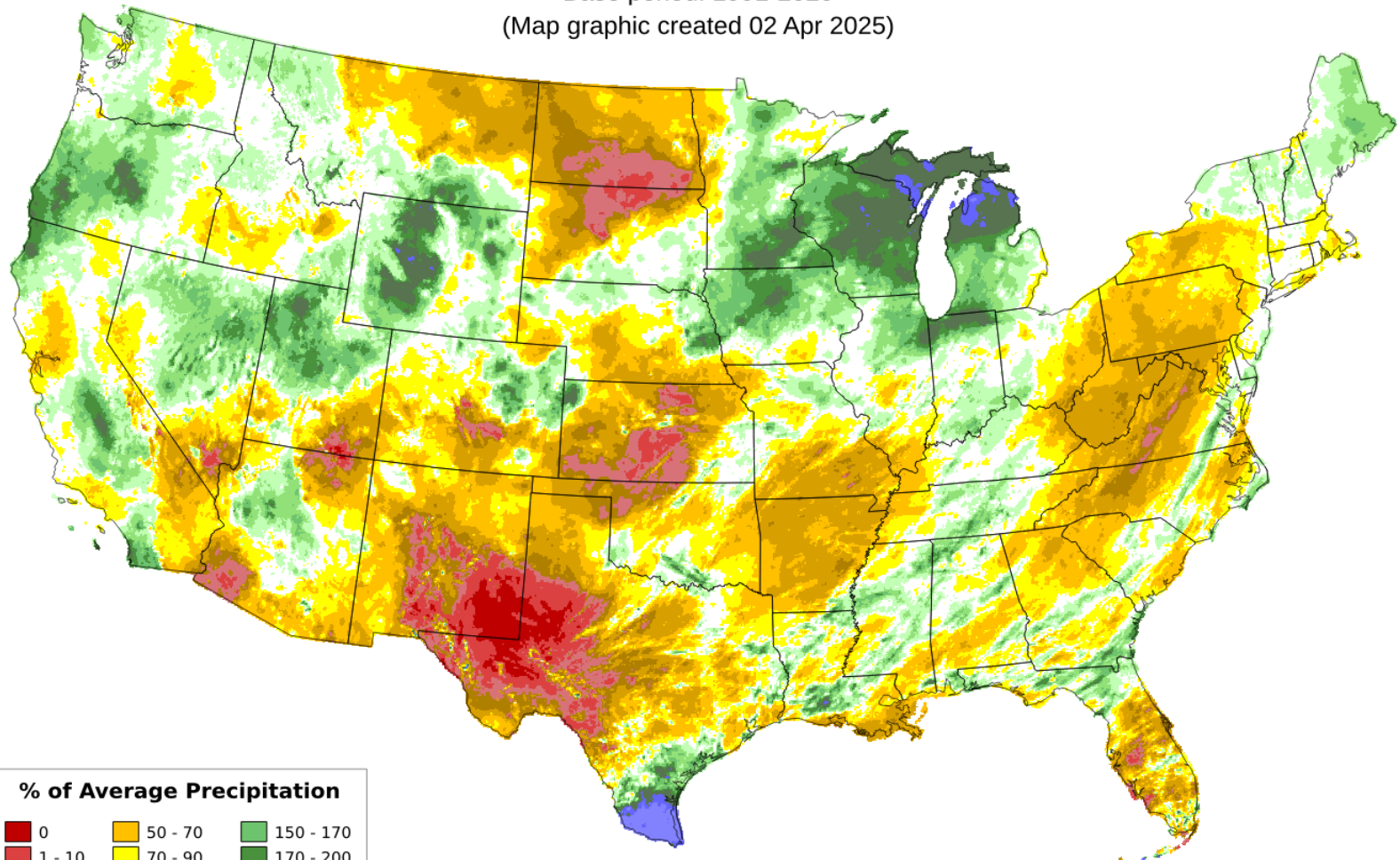
# Percent of Normal Precipitation for March 2025

Total Precipitation Anomaly: Mar 2025

Period ending 7 AM EST 31 Mar 2025

Base period: 1991-2020

(Map graphic created 02 Apr 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 March 2025

Date/Time	Location (County)	Event
MAR 3 205 PM	SAN AUGUSTIN PASS-DONA ANA	74 MPH PEAK WIND GUST
MAR 3 225 PM	WSMR MAIN POST-DONA ANA	63 MPH PEAK WIND GUST
MAR 3 1149 AM	HIGH ROLLS-OTERO	59 MPH PEAK WIND GUST
MAR 3 100 PM	T OR C GOLF COURSE-SIERRA	59 MPH PEAK WIND GUST
MAR 3 429 PM	SIERRA BLANCA-HUDSPETH	57 MPH PEAK WIND GUST
MAR 3 817 PM	EL PASO INTL AIRPORT-EL PASO	56 MPH PEAK WIND GUST
MAR 3 141 PM	MESCALERO-OTERO	55 MPH PEAK WIND GUST
MAR 3 837 PM	BIGGS FIELD-EL PASO	54 MPH PEAK WIND GUST
MAR 3 1029 AM	DEMING AIRPORT-LUNA	52 MPH PEAK WIND GUST
MAR 3 505 PM	NORTH LORDSBURG PLAYA-HIDALGO	52 MPH PEAK WIND GUST
MAR 3 124 PM	SANTA TERESA NWS-DONA ANA	52 MPH PEAK WIND GUST
MAR 3 135 PM	LAS CRUCES AIRPORT-DONA ANA	51 MPH PEAK WIND GUST

## Selected Weather Reports March 2025

Date/Time	Location (County)	Event
MAR 3 1241 PM	DELL CITY-HUDSPETH	50 MPH PEAK WIND GUST
MAR 3 300 PM	SILVER CITY MTN VIEW-GRANT	47 MPH PEAK WIND GUST
MAR 3 1115 AM	ALAMOGORDO AIRPORT-OTERO	47 MPH PEAK WIND GUST
MAR 3 1019 AM	HANOVER-GRANT	42 MPH PEAK WIND GUST
MAR 3 145 PM	SPACEPORT AMERICA	42 MPH PEAK WIND GUST
MAR 3 817 PM	EL PASO INTL AIRPORT-EL PASO	56 MPH PEAK WIND GUST
MAR 6 310 PM	SAN AUGUSTIN PASS-DONA ANA	76 MPH PEAK WIND GUST
MAR 6 610 PM	WSMR BLDG 1830-DONA ANA	66 MPH PEAK WIND GUST
MAR 6 400 PM	LORDSBURG PLAYA MP11-HIDALGO	61 MPH PEAK WIND GUST
MAR 6 155 PM	DEMING AIRPORT-LUNA	61 MPH PEAK WIND GUST
MAR 6 418 PM	EL PASO INTL AIRPORT-EL PASO	61 MPH PEAK WIND GUST
MAR 6 239 PM	T OR C AIRPORT-SIERAA	58 MPH PEAK WIND GUST



## Selected Weather Reports March 2025

Date/Time	Location (County)	Event
MAR 6 430 PM	HIGH ROLLS-OTERO	55 MPH PEAK WIND GUST
MAR 6 1226 PM	DRIPPING SPRINGS-DONA ANA	52 MPH PEAK WIND GUST
MAR 6 544 PM	SIERRA BLANCA-HUDSPETH	52 MPH PEAK WIND GUST
MAR 6 349 PM	SANTA TERESA NWS-DONA ANA	51 MPH PEAK WIND GUST
MAR 6 355 PM	LAS CRUCES AIRPORT-DONA ANA	48 MPH PEAK WIND GUST
MAR 6 541 PM	MESCALERO-OTERO	48 MPH PEAK WIND GUST
MAR 6 415 PM	CHAPARRAL FIRE STN-DONA ANA	45 MPH PEAK WIND GUST
MAR 6 130 PM	SILVER CITY MTN VIEW-GRANT	45 MPH PEAK WIND GUST
MAR 6 349 PM	HOLLOMAN AFB-OTERO	44 MPH PEAK WIND GUST
MAR 6 235 PM	GRANT CO AIRPORT-GRANT	44 MPH PEAK WIND GUST
MAR 6 1201 PM	MAYHILL-OTERO	43 MPH PEAK WIND GUST
MAR 6 240 PM	SPACEPORT AMERICA-SIERRA	43 MPH PEAK WIND GUST

## Selected Weather Reports March 2025

Date/Time	Location (County)	Event
MAR 14 120 AM	SAN AUGUSTIN PASS-DONA ANA	95 MPH PEAK WIND GUST
MAR 14 149 AM	HIGH ROLLS-OTERO	70 MPH PEAK WIND GUST
MAR 14 455 AM	WSMR MUSEUM-DONA ANA	68 MPH PEAK WIND GUST
MAR 14 241 AM	MESCALERO-OTERO	68 MPH PEAK WIND GUST
MAR 14 123 AM	T OR C AIRPORT-SIERRA	62 MPH PEAK WIND GUST
MAR 14 240 AM	BIGGS AIRFIELD-EL PASO	62 MPH PEAK WIND GUST
MAR 14 1226 AM	DRIPPING SPRINGS-DONA ANA	59 MPH PEAK WIND GUST
MAR 14 125 AM	HOLLOMAN AFB-OTERO	59 MPH PEAK WIND GUST
MAR 14 144 AM	EL PASO INTL AIRPORT-EL PASO	58 MPH PEAK WIND GUST
MAR 18 440 PM	SAN AUGUSTIN PASS-DONA ANA	101 MPH PEAK WIND GUST
MAR 18 355 PM	WSMR MUSEUM-DONA ANA	77 MPH PEAK WIND GUST
MAR 18 622 PM	EL PASO INTL AIRPORT-EL PASO	75 MPH PEAK WIND GUST



## Selected Weather Reports March 2025

Date/Time	Location (County)	Event
MAR 18 217 PM	T OR C AIRPORT-SIERRA	69 MPH PEAK WIND GUST
MAR 18 407 PM	DEMING AIRPORT-LUNA	66 MPH PEAK WIND GUST
MAR 18 537 PM	SIERRA BLANCA-HUDSPETH	63 MPH PEAK WIND GUST
MAR 18 526 PM	DRIPPING SPRINGS-DONA ANA	63 MPH PEAK WIND GUST
MAR 18 341 PM	MESCALERO-OTERO	63 MPH PEAK WIND GUST
MAR 18 1200 PM	MAYHILL-OTERO	62 MPH PEAK WIND GUST
MAR 18 515 PM	LAS CRUCES AIRPORT-DONA ANA	61 MPH PEAK WIND GUST
MAR 18 434 PM	SANTA TERESA NWS-DONA ANA	59 MPH PEAK WIND GUST
MAR 18 235 PM	GRANT CO AIRPORT-GRANT	58 MPH PEAK WIND GUST
MAR 18 404 PM	HOLLOMAN AFB-OTERO	56 MPH PEAK WIND GUST
MAR 18 415 PM	ALAMOGORDO AIRPORT-OTERO	55 MPH PEAK WIND GUST
MAR 18 314 PM	EL PASO NE-EL PASO	52 MPH PEAK WIND GUST

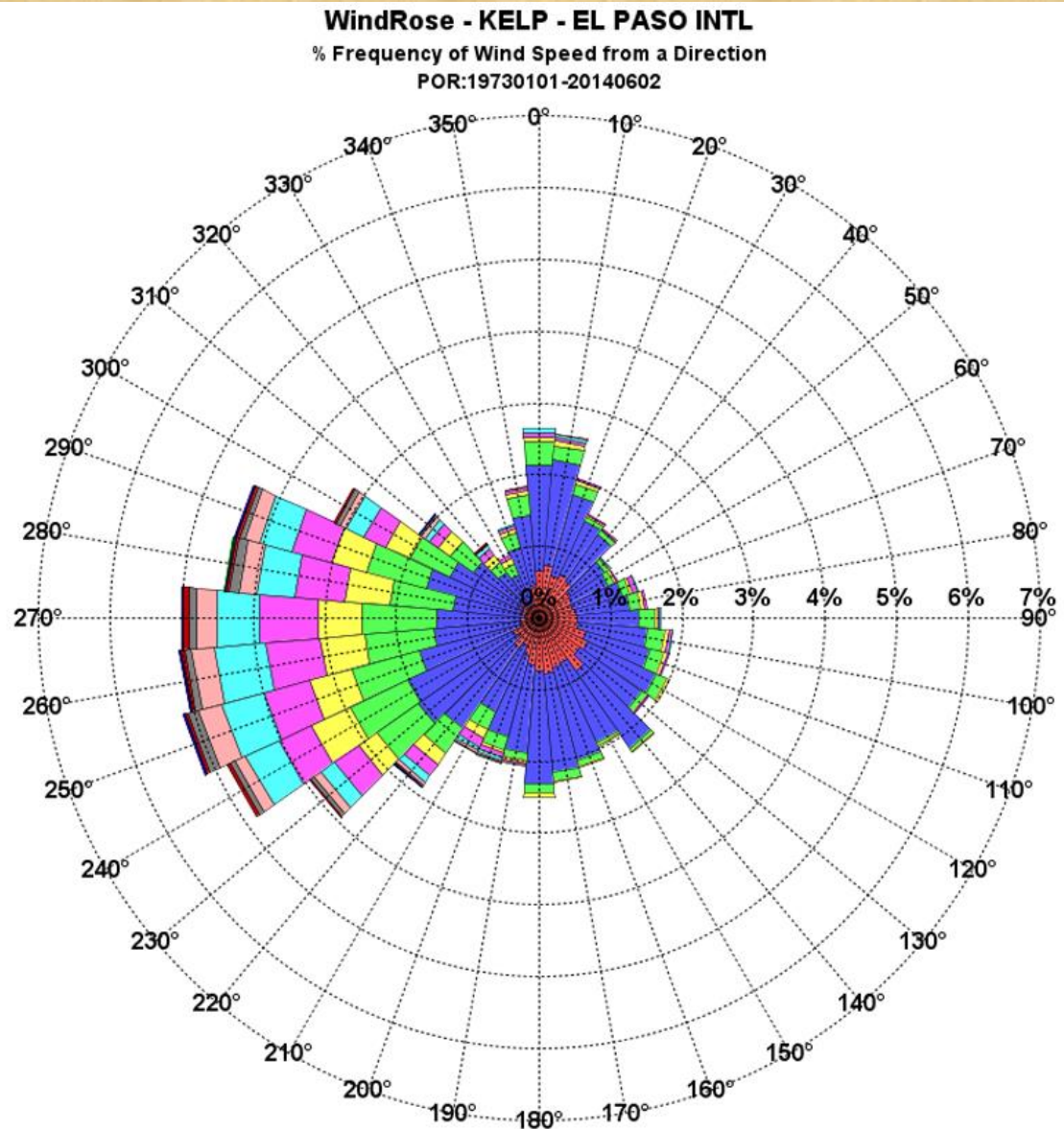
# Special Features

[www.weather.gov/epz/elpwindrosedata](http://www.weather.gov/epz/elpwindrosedata)


Month: MARCH

Calm: 8.61%

Variable: 2.25%







# NATIONAL WEATHER SERVICE

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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 >](#)

## NWS El Paso

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

El Paso, TX  
Weather Forecast Office


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### Today

## Wednesday

Warmer with a Few Afternoon Storms

Weather Forecast Office  
El Paso, TX  
September 27, 2016 4:43 PM



## 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 >](#)

## Monthly Weather Digest

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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
<a href="#">January</a>	2005 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">February</a>	2006 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">March</a>	2007 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">April</a>	2008 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">May</a>	2009 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">June</a>	2010 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">July</a>	2011 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">August</a>	2012 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">September</a>	2013 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">October</a>	2014 <a href="#">Spring</a> <a href="#">Fall</a>
<a href="#">November</a>	
<a href="#">December</a>	

**Don't Forget-Current and past issues of our Weather Digest are available on our website at**

**[www.weather.gov/epz/](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.**