

# February 2025 Climate & Weather Summary

Issued: March 9, 2025

February 2025 was a very dry and unusually warm month throughout central and northern New Mexico. A winter storm around the middle of the month brought beneficial snowfall to the northern mountains, but storms were few and far between. The eastern plains experienced a few cold air outbreaks throughout the month, but unfortunately these airmasses were too dry for much snow. There were several windy, spring-like, days during the month, particularly during the first half. Despite several elevated to critical fire weather days, only a few grass fires broke out, including one near Fort Sumner on the 25<sup>th</sup>.



February 15 | Near Pietown, NM  
Photo courtesy Judy Cyr



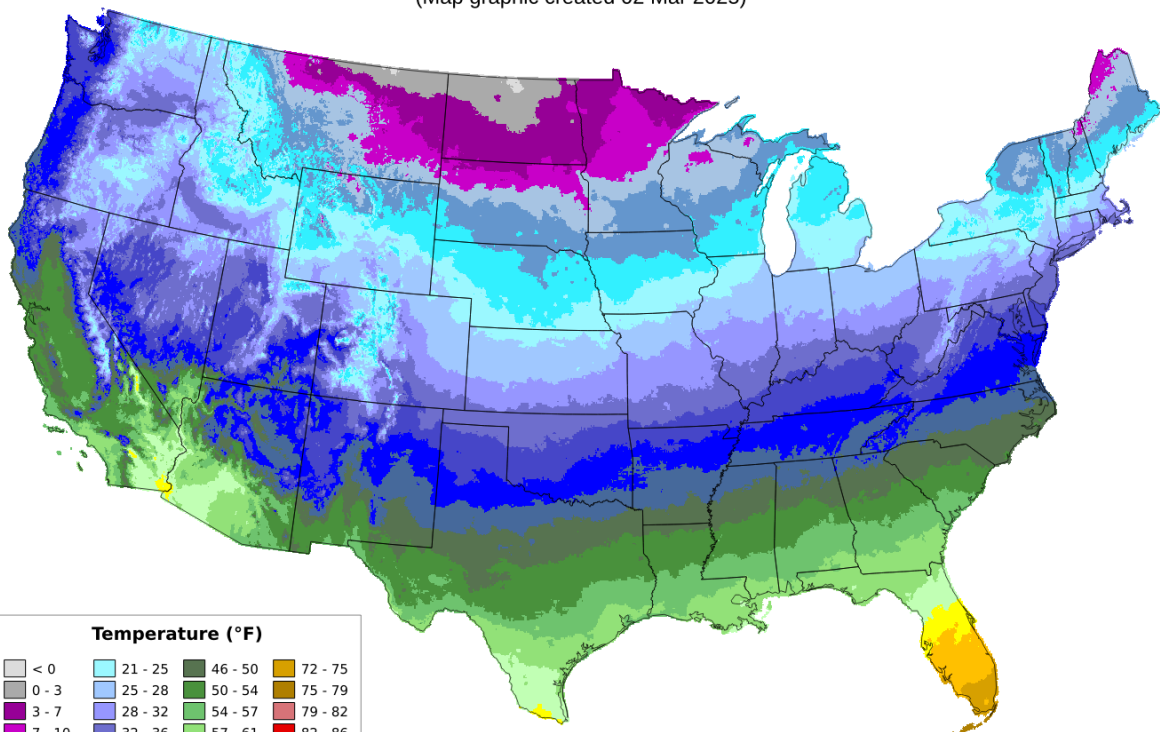
February 25 | Fort Sumner, NM  
Photo courtesy Travis Foster

## Average Temperatures

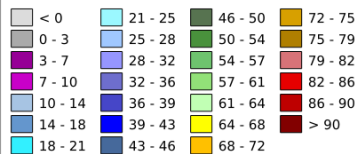
Average Daily Mean Temperature: Feb 2025

Period ending 7 AM EST 28 Feb 2025

(Map graphic created 02 Mar 2025)



### Temperature (°F)



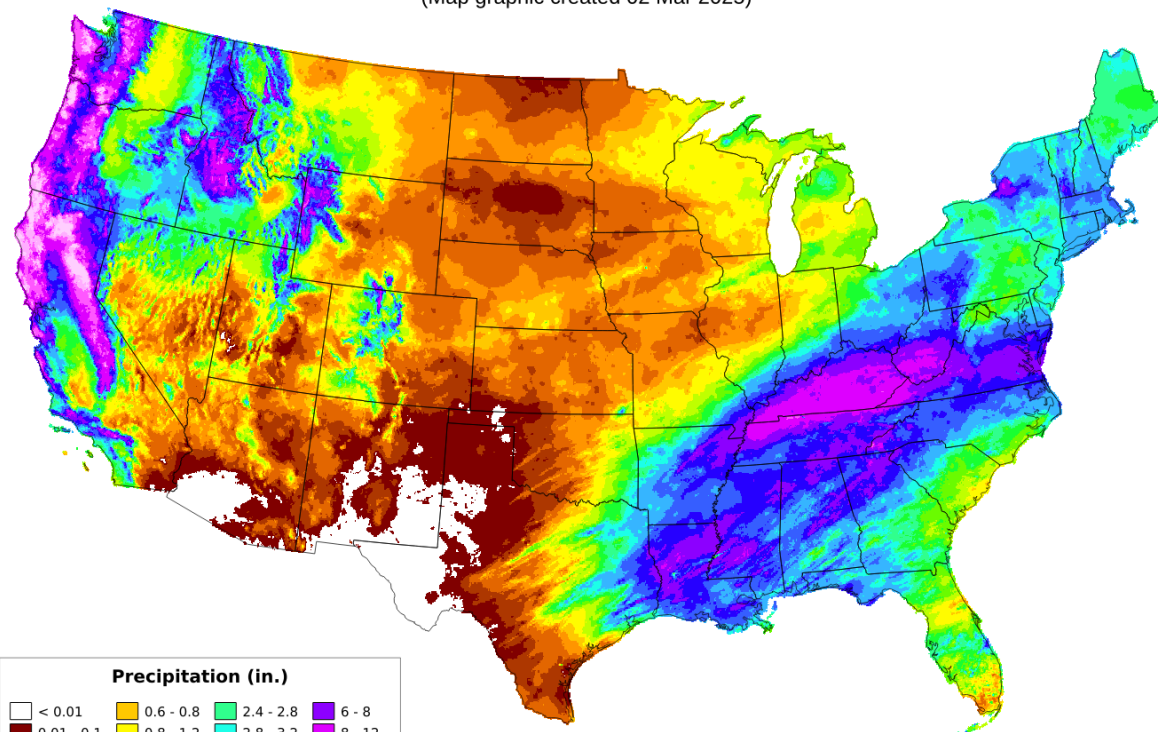
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## Average Precipitation

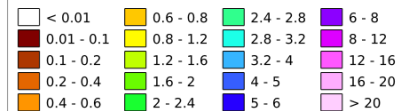
Total Precipitation: Feb 2025

Period ending 7 AM EST 28 Feb 2025

(Map graphic created 02 Mar 2025)

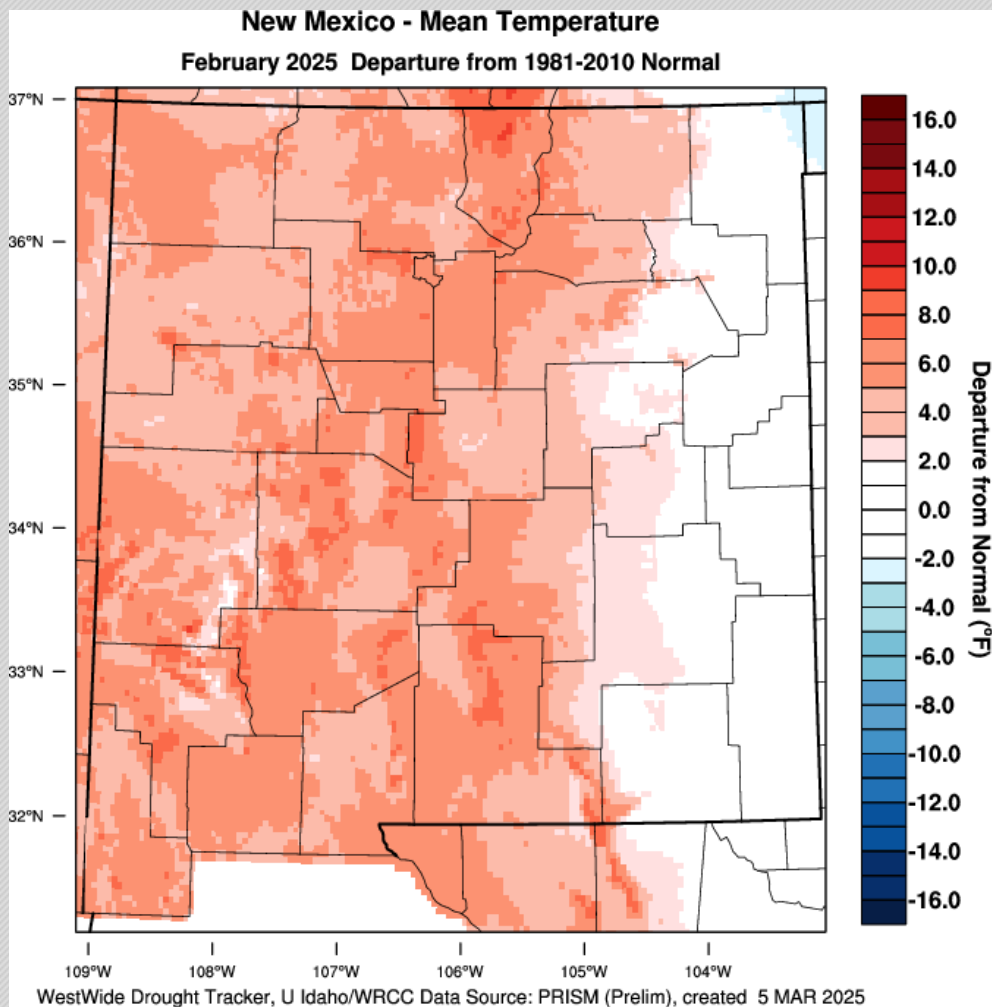


### Precipitation (in.)

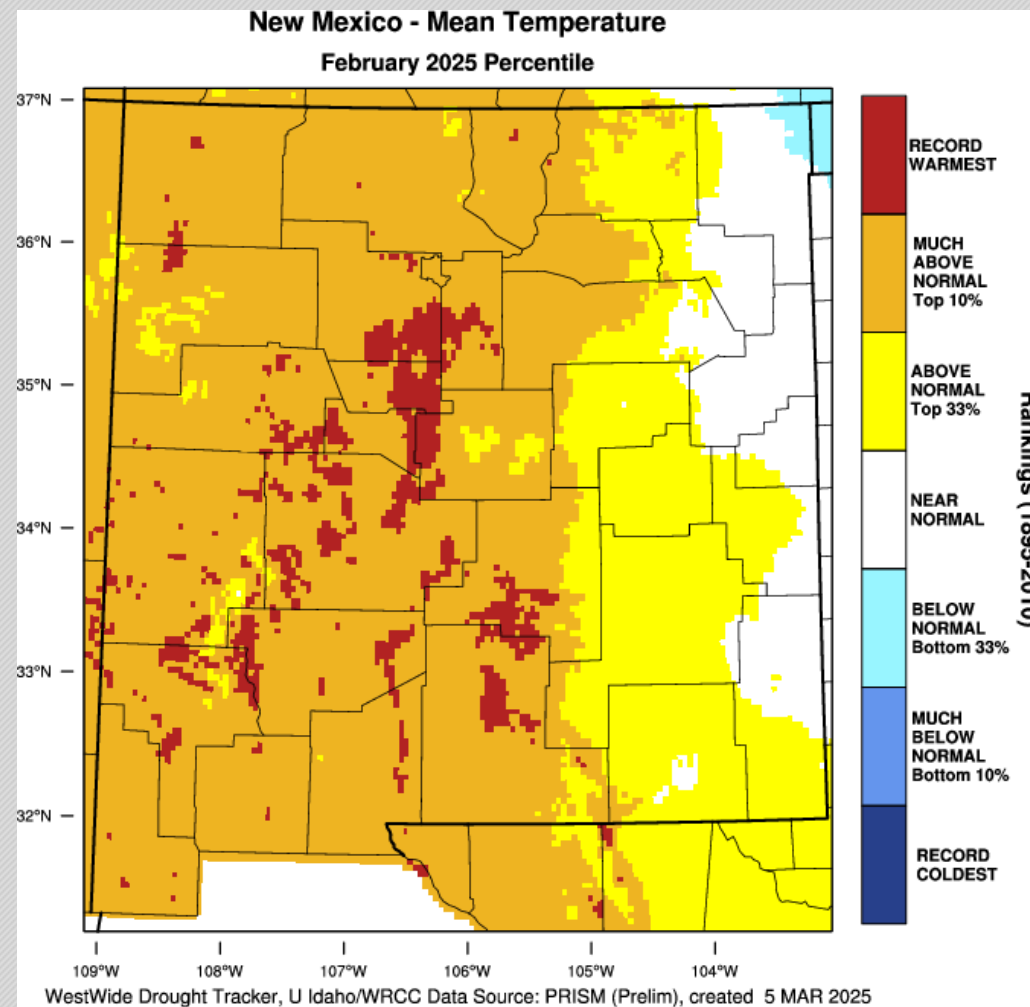


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## Anomaly

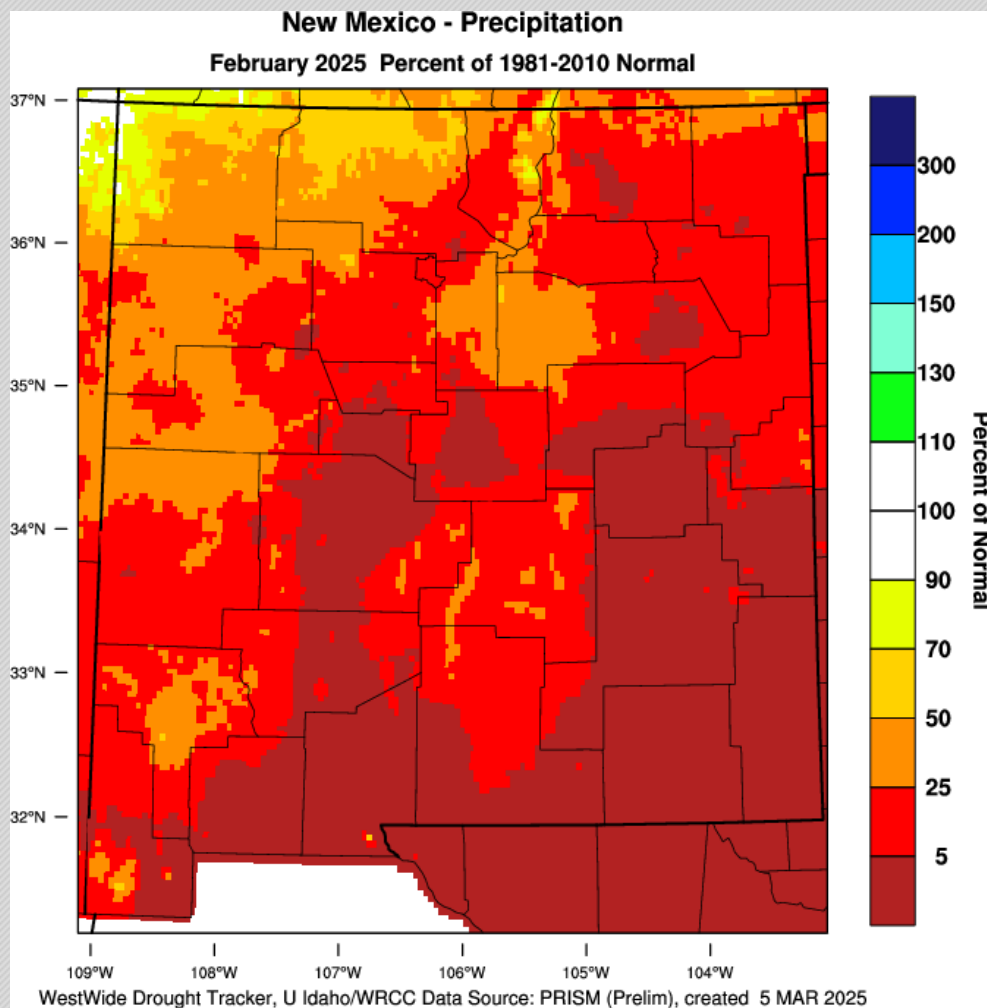


## Percentile

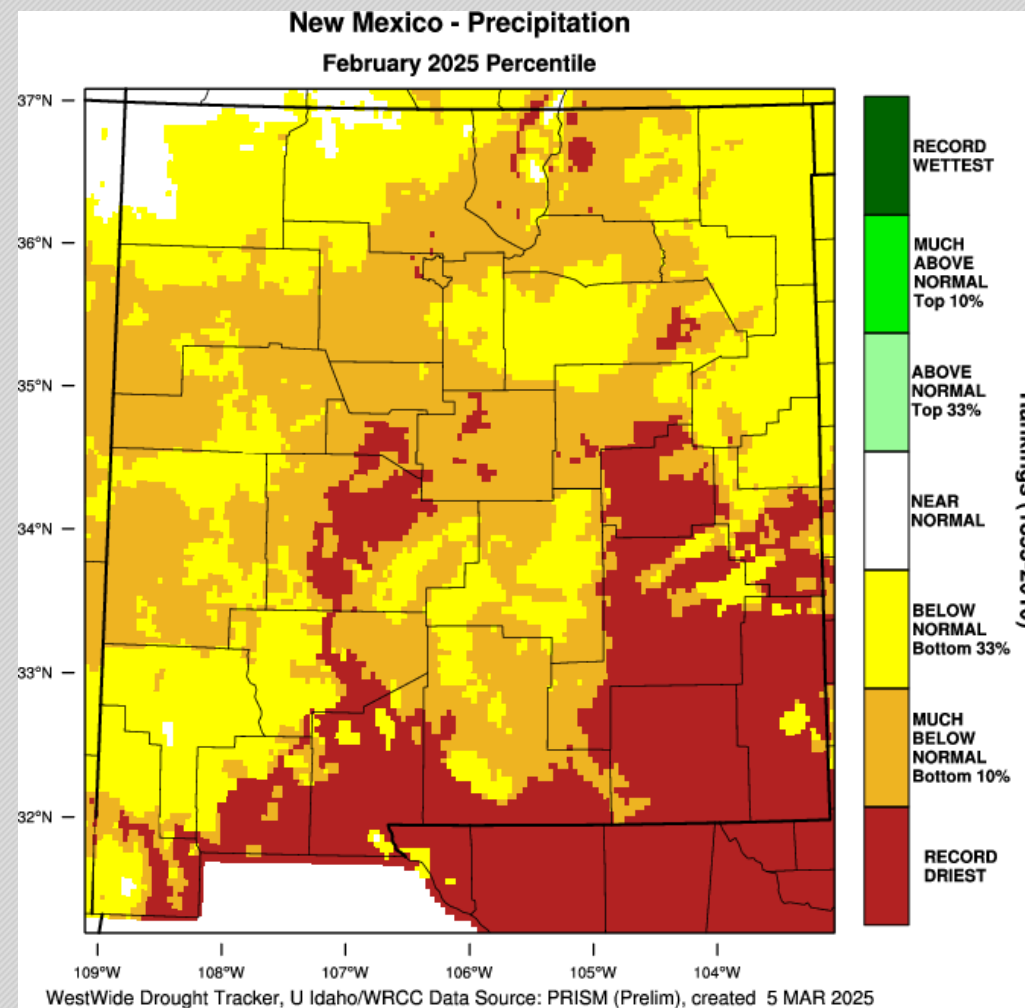


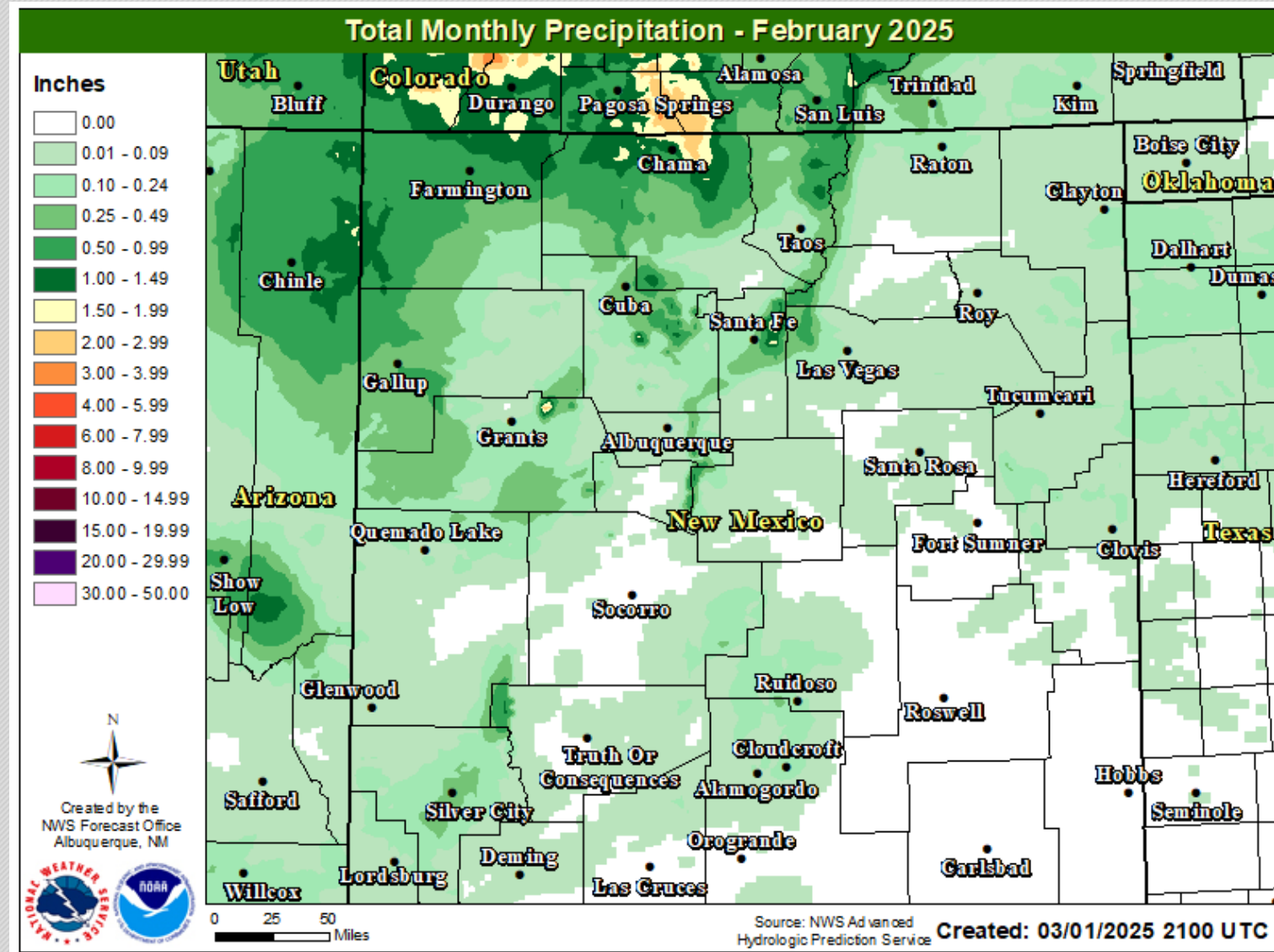


## Anomaly

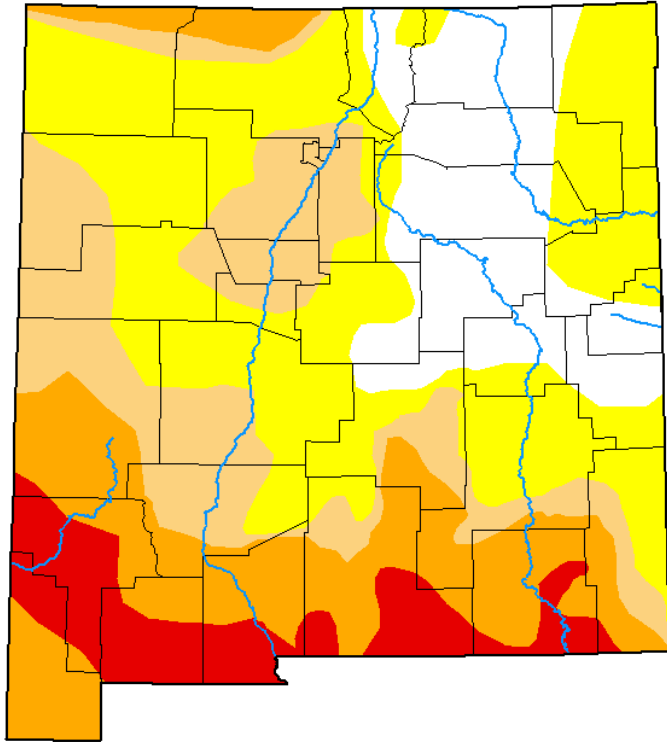


## Percentile





## U.S. Drought Monitor New Mexico



**February 4, 2025**  
(Released Thursday, Feb. 6, 2025)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	16.98	83.02	47.36	27.57	8.93	0.00
<b>Last Week</b> 01-28-2025	34.50	65.50	36.00	20.58	5.37	0.00
<b>3 Months Ago</b> 11-05-2024	24.60	75.40	31.64	18.04	6.13	0.00
<b>Start of Calendar Year</b> 01-07-2025	43.30	56.70	35.22	19.69	5.37	0.00
<b>Start of Water Year</b> 10-01-2024	28.35	71.65	34.73	17.54	2.80	0.00
<b>One Year Ago</b> 02-06-2024	1.23	98.77	89.51	67.51	27.32	5.53

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

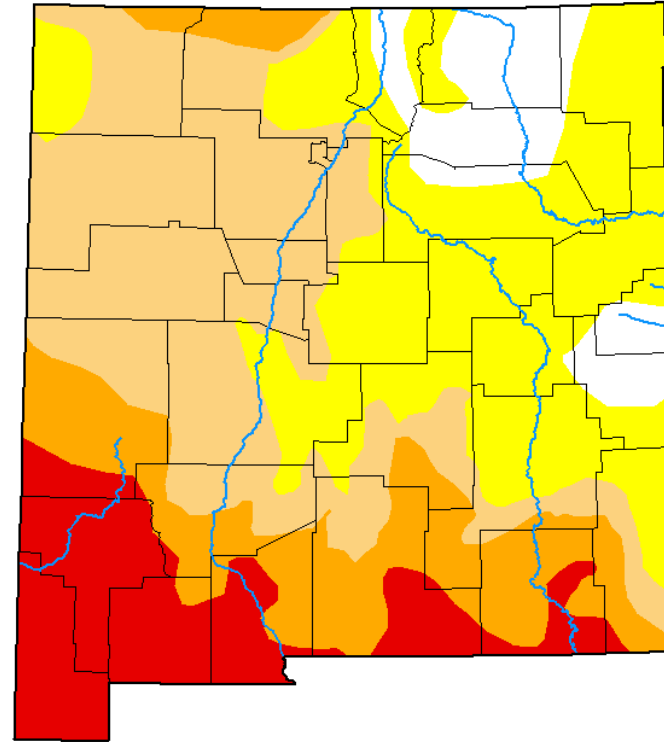
Author:

Lindsay Johnson  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

## U.S. Drought Monitor New Mexico



**February 25, 2025**  
(Released Thursday, Feb. 27, 2025)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	8.32	91.68	60.21	29.08	13.98	0.00
<b>Last Week</b> 02-18-2025	13.95	86.05	57.13	29.08	13.98	0.00
<b>3 Months Ago</b> 11-26-2024	37.86	62.14	27.46	16.25	5.19	0.00
<b>Start of Calendar Year</b> 01-07-2025	43.30	56.70	35.22	19.69	5.37	0.00
<b>Start of Water Year</b> 10-01-2024	28.35	71.65	34.73	17.54	2.80	0.00
<b>One Year Ago</b> 02-27-2024	2.82	97.18	88.19	47.86	19.28	3.51

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brian Fuchs  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

Drought conditions in February deteriorated for parts of the region, especially central and western NM. Extreme drought spread to more of southern NM as well with almost no precipitation reported during the month of February.

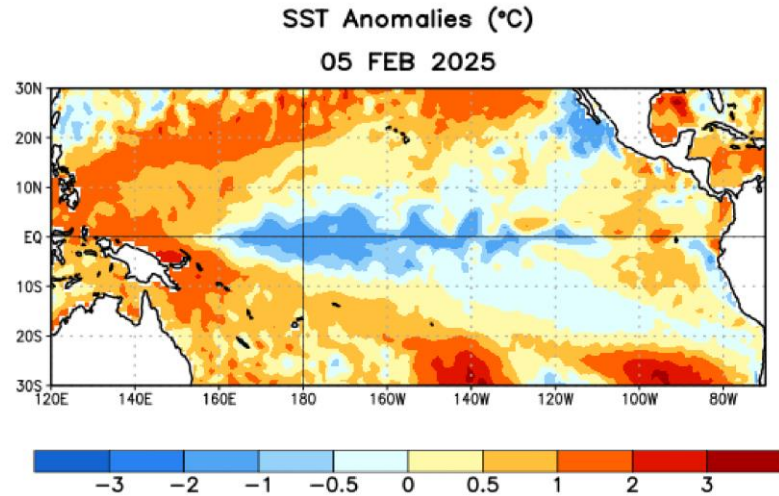


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 5 February 2025. Anomalies are computed with respect to the 1991-2020 base period weekly means.

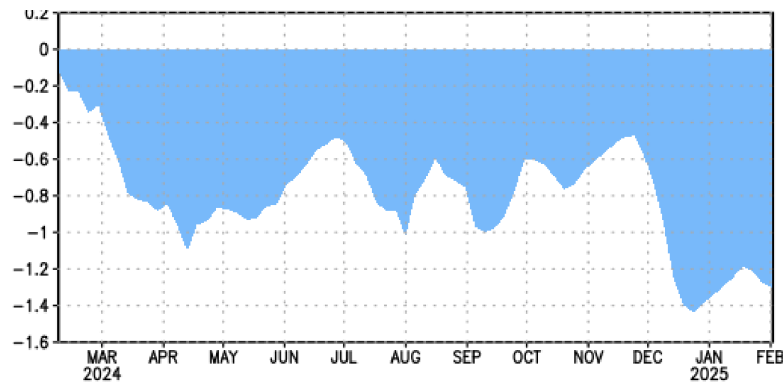


Figure 3. Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

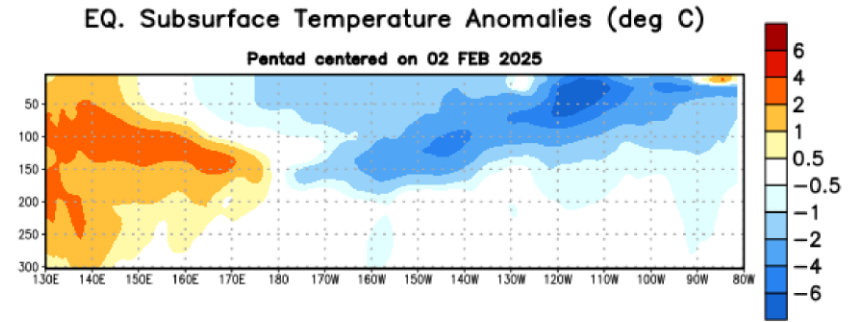


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies (°C) centered on the pentad of 2 February 2025. Anomalies are departures from the 1991-2020 base period pentad means.

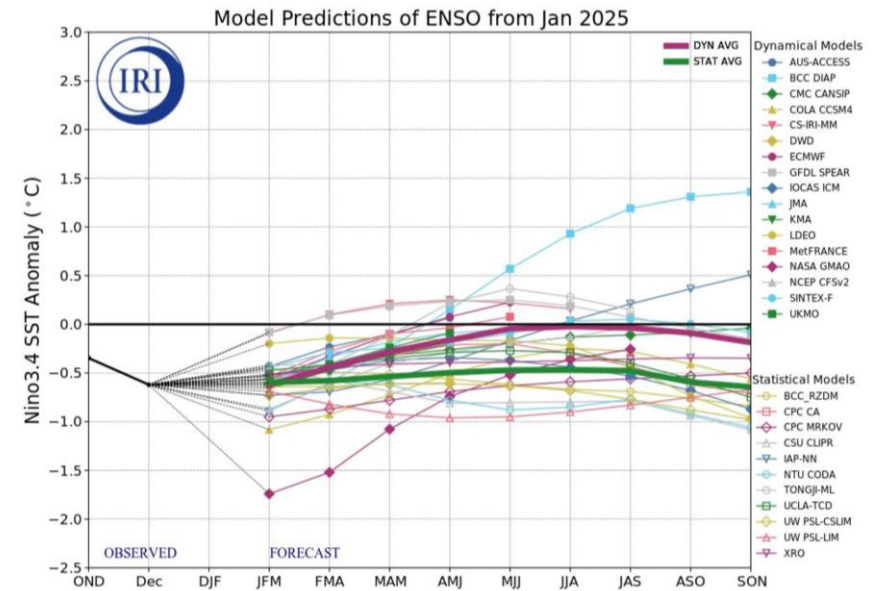
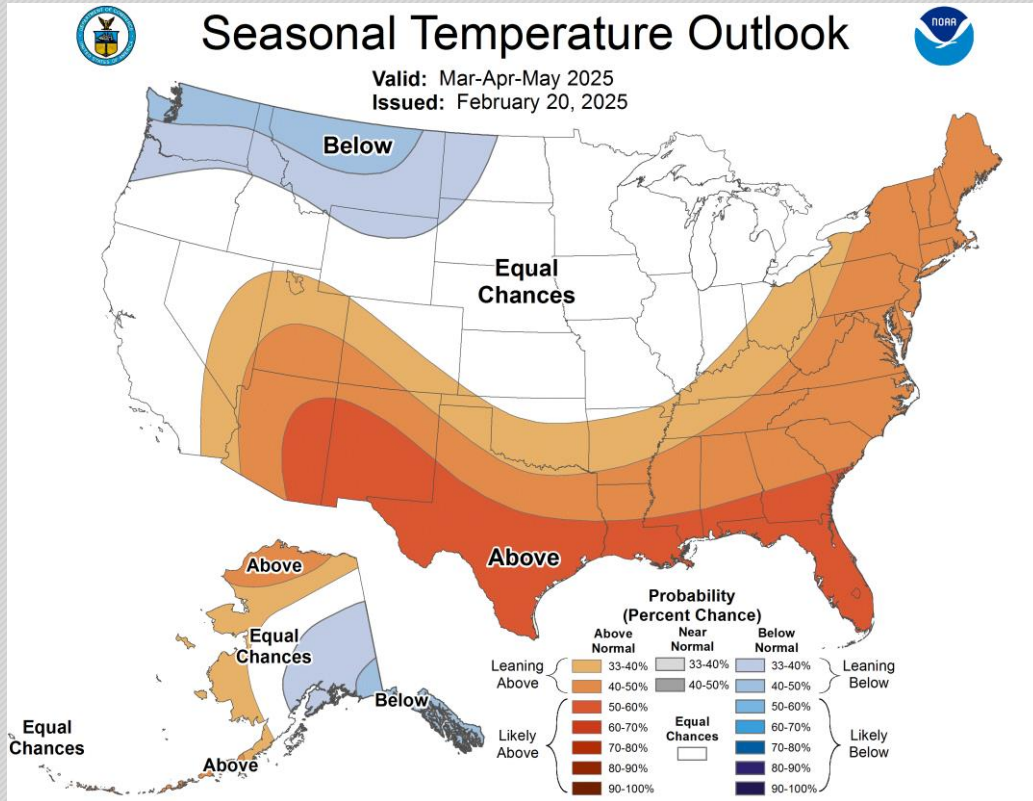


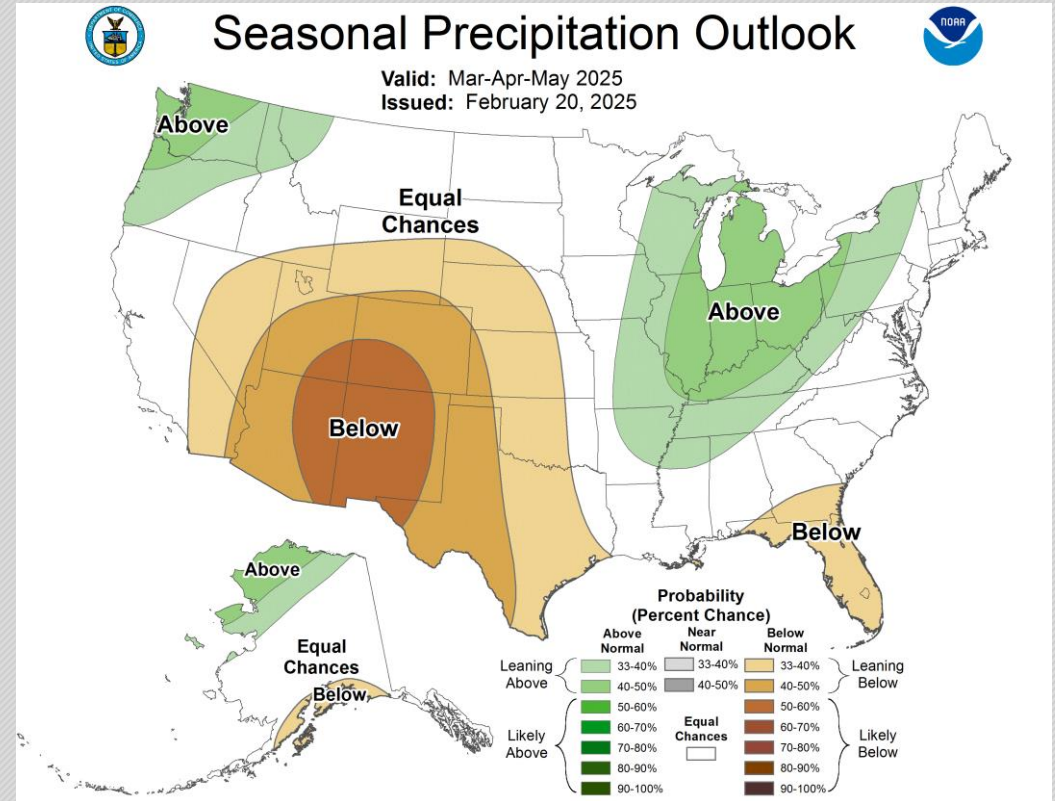
Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 21 January 2025 by the International Research Institute (IRI) for Climate and Society.



## Temperature March-April-May



## Precipitation March-April-May



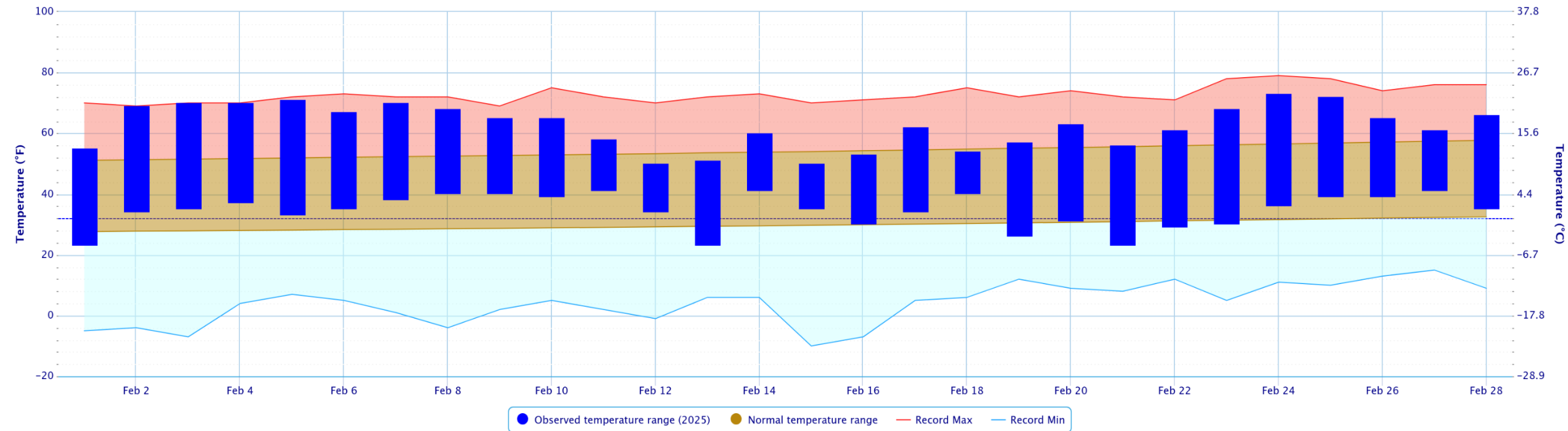
There are greater chances for above normal temperatures and below normal precipitation for all of New Mexico.



Average Temperature: 48.4°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891–12–01 to 2025–03–07. Normals period: 1991–2020. Click and drag to zoom chart.



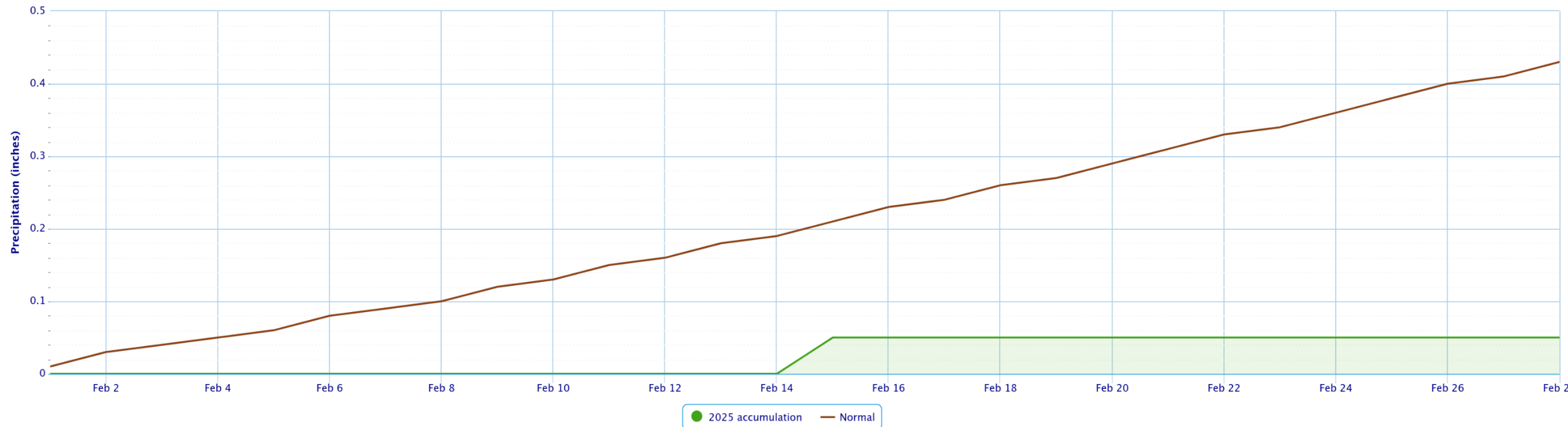
Powered by ACIS

The February 2024 average temperature for Albuquerque was 48.4°, which was 6.5° above the normal of 41.9°. The average maximum temperature for the month was 62.5°. This was 8.4° above the normal average maximum temperature of 54.1°. The average minimum temperature for the month was 34.3°. This was 4.5° above the normal average minimum temperature of 29.8°. This ranked as the 2<sup>nd</sup> warmest February on record.

Precipitation: 0.05"

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

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



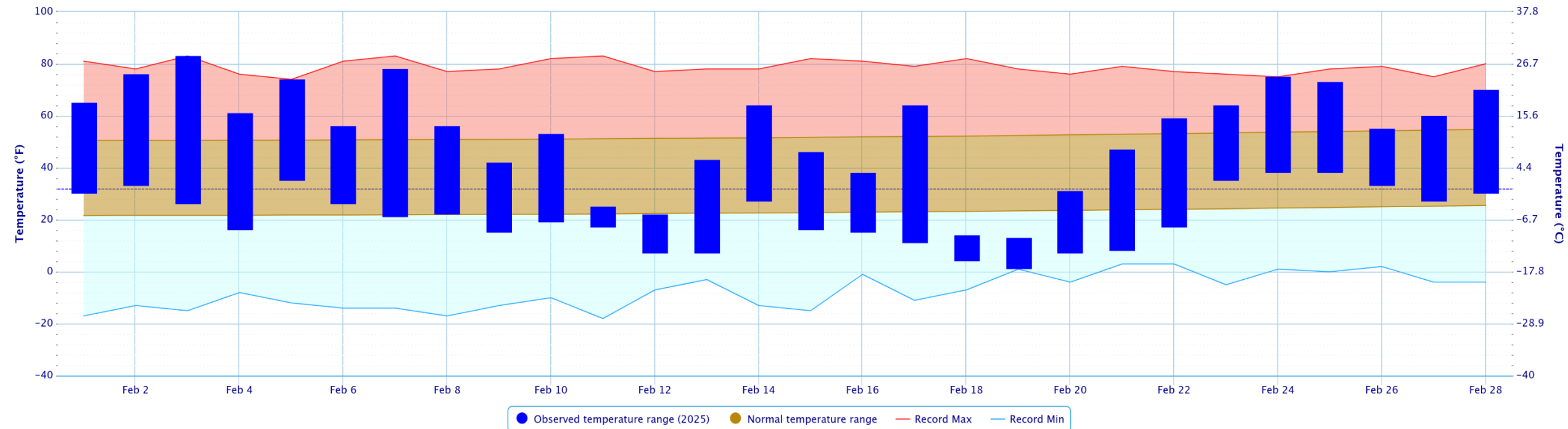
The February 2024 precipitation for Albuquerque was 0.05", which was 0.38" below the normal of 0.43". This ranked as the 14<sup>th</sup> driest February on record.

There was 0.0" of snow, compared to the normal of 1.5".

Average Temperature: 37.3°

Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2025-03-07. Normals period: 1991-2020. Click and drag to zoom chart.



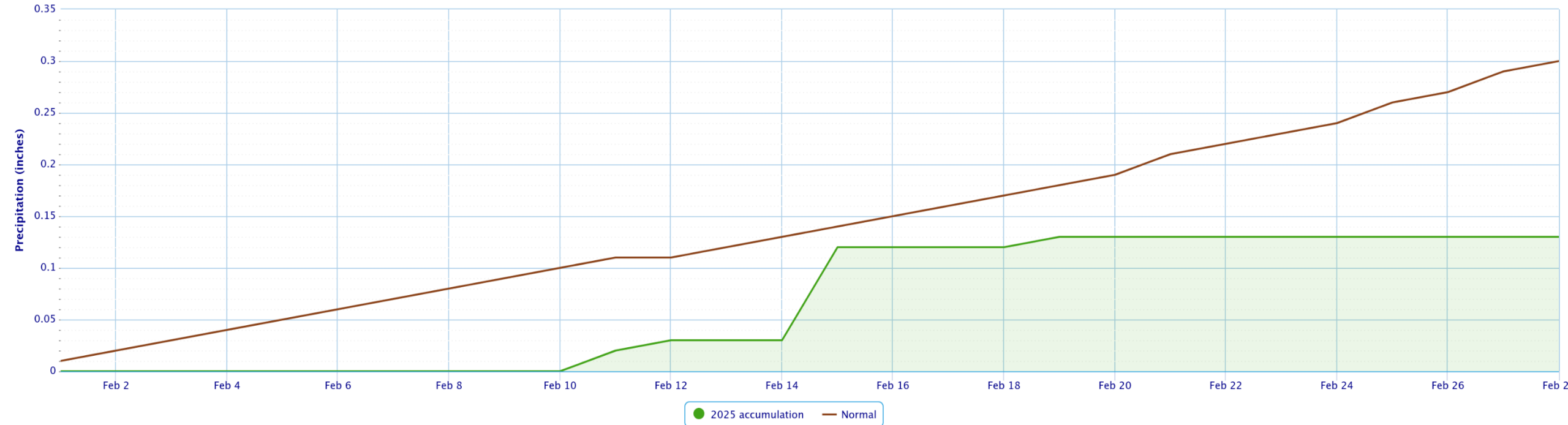
The February 2024 average temperature for Clayton was 37.3°, which was 0.2° below the normal of 37.5°. The average maximum temperature for the month was 53.8°. This was 1.8° above the normal average maximum temperature of 52.0°. The average minimum temperature for the month was 20.8°. This was 2.2° below the normal average minimum temperature of 23.0°. This ranked as the 60<sup>th</sup> coolest February on record.



Precipitation: 0.13"

Accumulated Precipitation – Clayton Area, NM (ThreadEx)

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



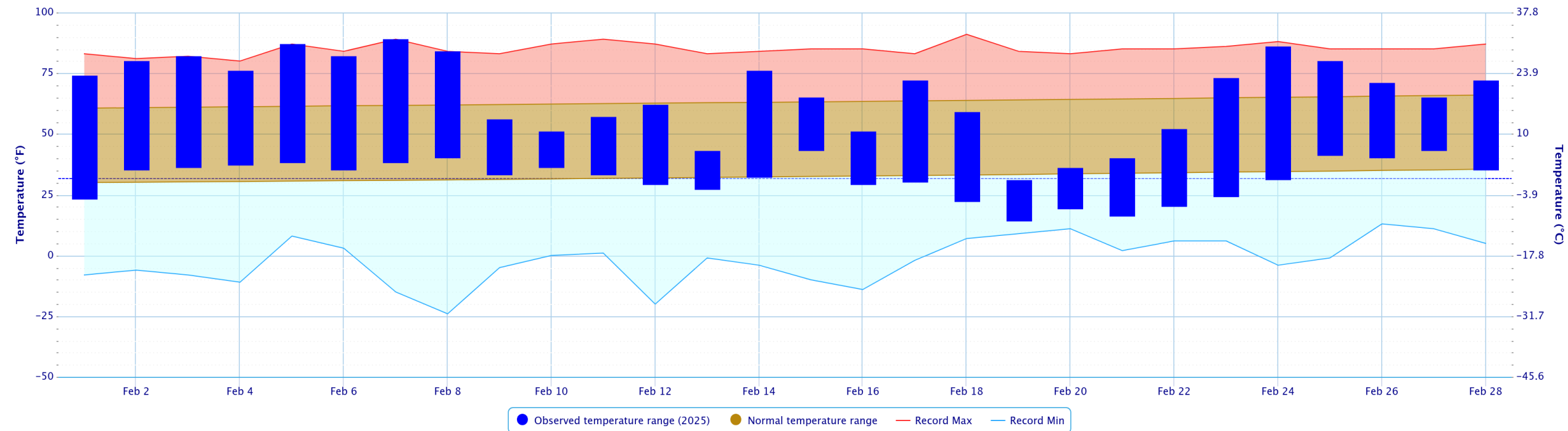
The February 2024 precipitation for Clayton was 0.13", which was 0.17" below the normal of 0.30". This ranked as the 35<sup>th</sup> driest February on record.

There was 1.3" of snow, compared to the normal of 2.7".

Average Temperature: 48.8°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2025-03-07; Min temperature: 1893-01-21 to 2025-03-07. Normals period: 1991-2020. Click and drag to zoom chart.

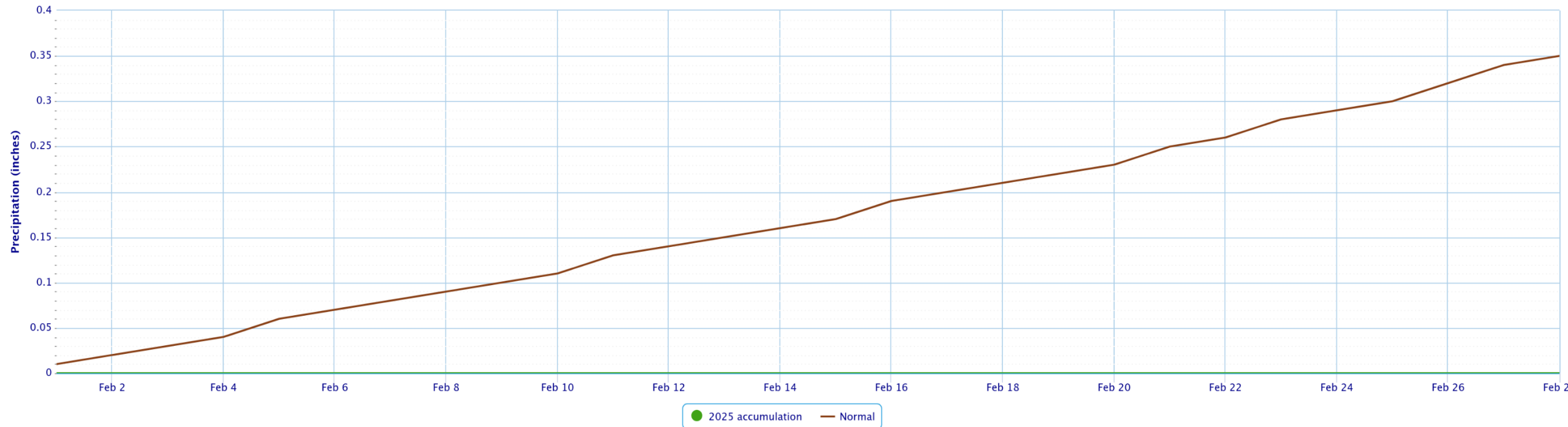


The February 2024 average temperature for Roswell was 48.8°, which was 1.0° above the normal of 47.8°. The average maximum temperature for the month was 66.1°. This was 2.9° above the average maximum temperature of 63.2°. The average minimum temperature for the month was 31.4°. This was 1.1° below the normal average minimum temperature of 32.5°. This ranked as the 9<sup>th</sup> warmest February on record.

### Precipitation: Trace

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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



The February 2024 precipitation for Roswell was a trace, which was 0.35” below the normal of 0.35”. This ranked as the 9<sup>th</sup> driest February on record.

There was a trace of snow, compared to the normal of 1.1”.



Event Type	Date	County Name/Zone	Magnitude	Type	Event Narrative
High Wind	2/5/2025	Union County	55	Gust	63 mph gust observed at Clayton & U.S. 64/412 peak gusts of 60 mph.
High Wind	2/7/2025	East Slopes Sangre De Cristo Mountains	52	Gust	Casa de Gavilan measured a high wind gust of 60 mph.
High Wind	2/7/2025	Far Northeast Highlands	56	Gust	Upper Heck measured a high wind gust of 64 mph.
High Wind	2/7/2025	Northeast Highlands	56	Gust	64 mph Gust observed at the Las Vegas Municipal Airport.
High Wind	2/11/2025	West Central Plateau	52	Gust	60 mph gust observed at Gallup Municipal Airport.
High Wind	2/11/2025	South Central Mountains	53	Gust	61 mph gust observed at Sierra Blanca Regional Airport.
High Wind	2/12/2025	Northeast Highlands	50	Gust	58 mph gust observed at Las Vegas Municipal Airport.
Heavy Snow	2/14/2025	Tusas Mountains Including Chama	5-13"	Snow	13" at the Chamita SNOTEL. 5 to 8 inches around Chama.
High Wind	2/14/2025	Far Northeast Highlands	52	Gust	60 mph observed at the Raton Crews Municipal Airport.
High Wind	2/14/2025	Northeast Highlands	50	Gust	A 58 mph gust was observed at the Las Vegas Municipal Airport.
High Wind	2/14/2025	Union County	51	Gust	A 59 mph gust was observed near Clayton.
High Wind	2/14/2025	Guadalupe County	52	Gust	Two 60 mph gusts observed at a mesonet station a few miles southeast of Vaughn.
Strong Wind	2/14/2025	Middle Rio Grande Valley/Abq Metro	35	Gust	Observer near Montano & Coors saw tree branches blown down and large trash cans thrown winds.
Extreme Cold/Wind Chill	2/19/2025	Curry County			Clovis observed apparent temperatures as low as -12°.

\*Storm reports are considered preliminary until a final review is certified in the NWS Storm Data publication.

Certified data is available three to four months post-event at: <https://www.ncdc.noaa.gov/stormevents/>


 NCEI Climatological Rankings: <https://www.ncdc.noaa.gov/cag/national/rankings>

 PRISM Climate Data: <http://www.prism.oregonstate.edu/>

 NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>

 NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>

 Questions?: [sr-abq.webmaster@noaa.gov](mailto:sr-abq.webmaster@noaa.gov)

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