

August 2025 Climate & Weather Summary

Issued: September 8, 2025



ALBUQUERQUE
Weather Forecast Office

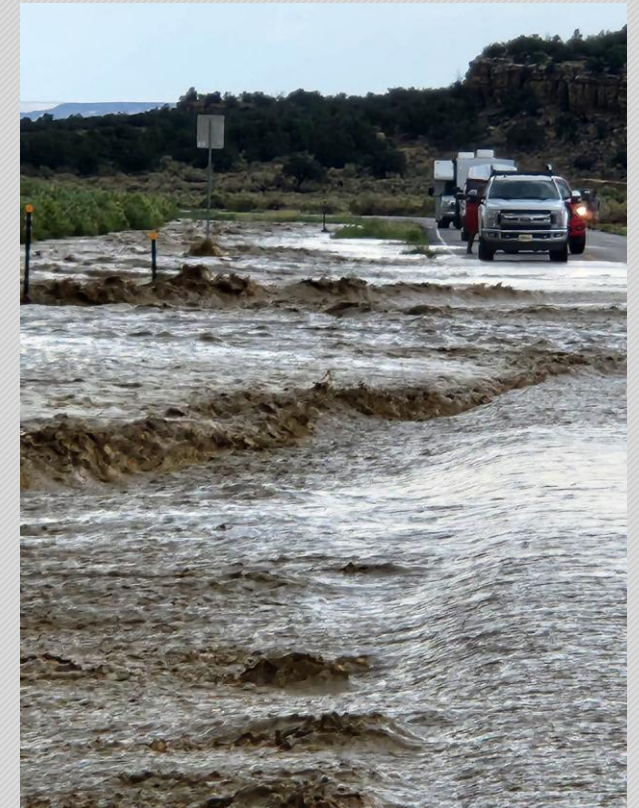
August 2025 was less active than the previous two months this summer. Daily afternoon storms were generally confined to eastern New Mexico, while western New Mexico continued to miss out on much-needed precipitation. Overall, the month was much hotter than normal despite the lack of record highs broken. Precipitation ranged from well-below average in the west to well-above normal in the eastern plains.



August 31st | Near Rowe, NM
Photo courtesy Juan Jackson



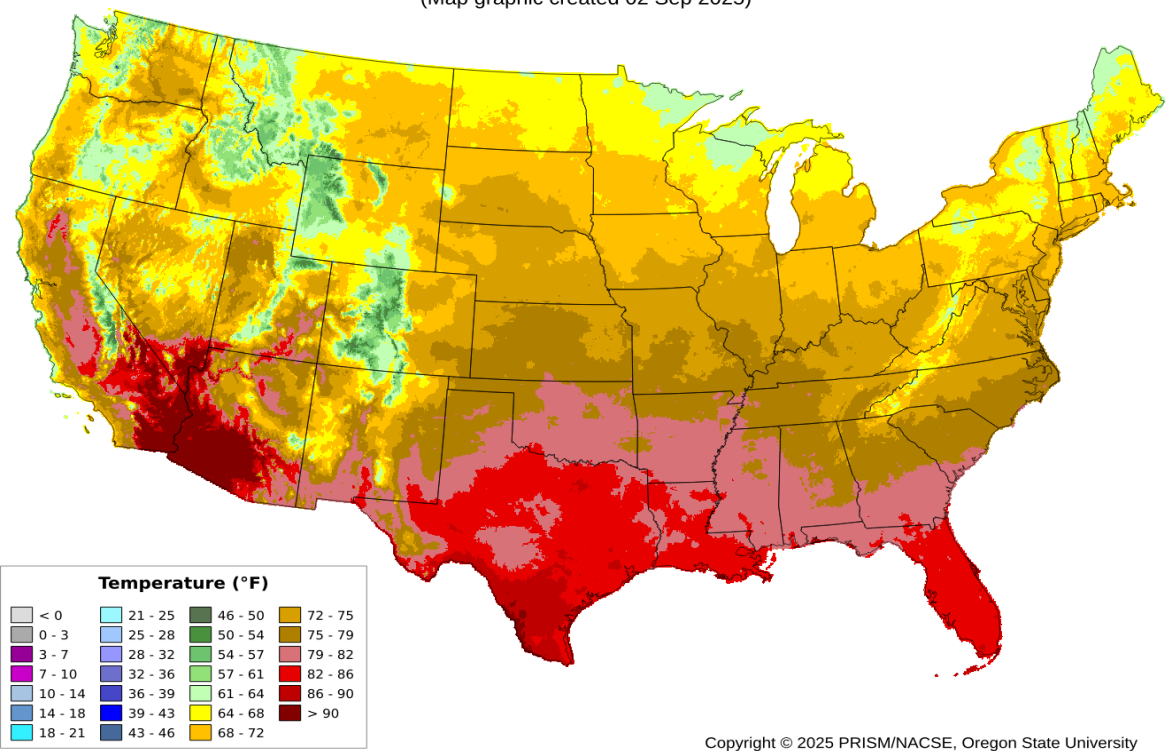
August 21st | Sapello, NM
Photo courtesy Zahava Miriam



August 26th | South of Grants, NM
Photo courtesy NM DOT

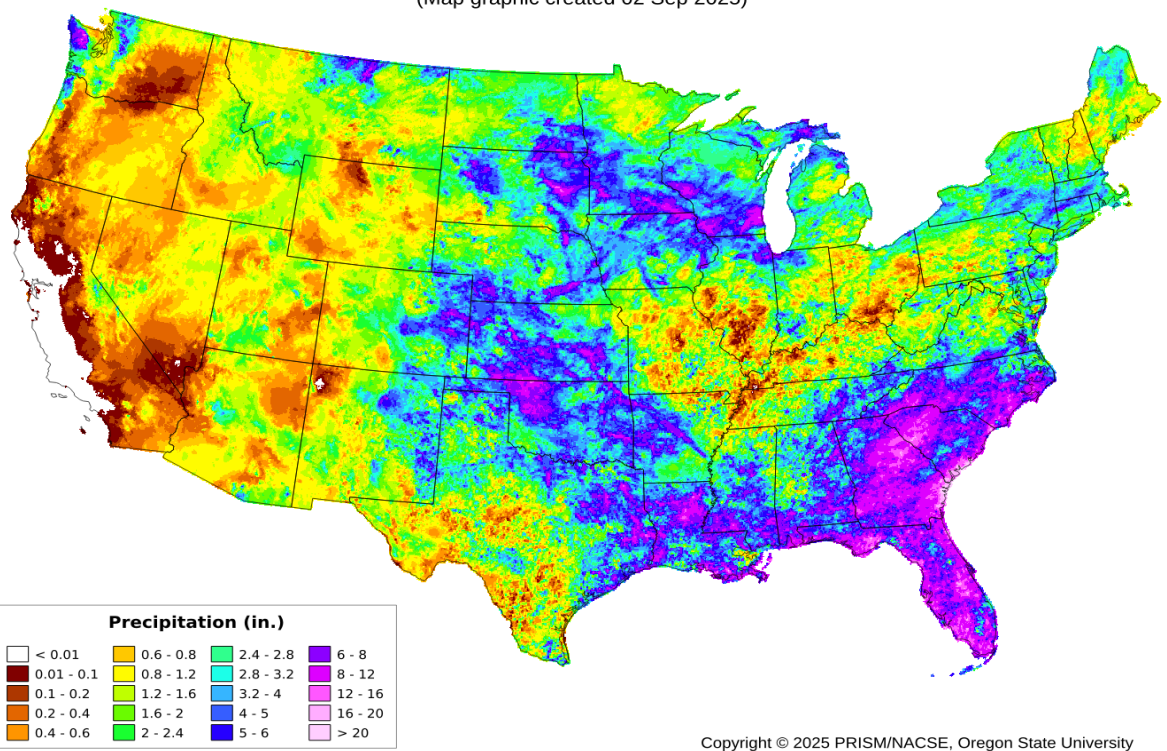
Temperatures

Average Daily Mean Temperature: Aug 2025
Period ending 7 AM EST 31 Aug 2025
(Map graphic created 02 Sep 2025)

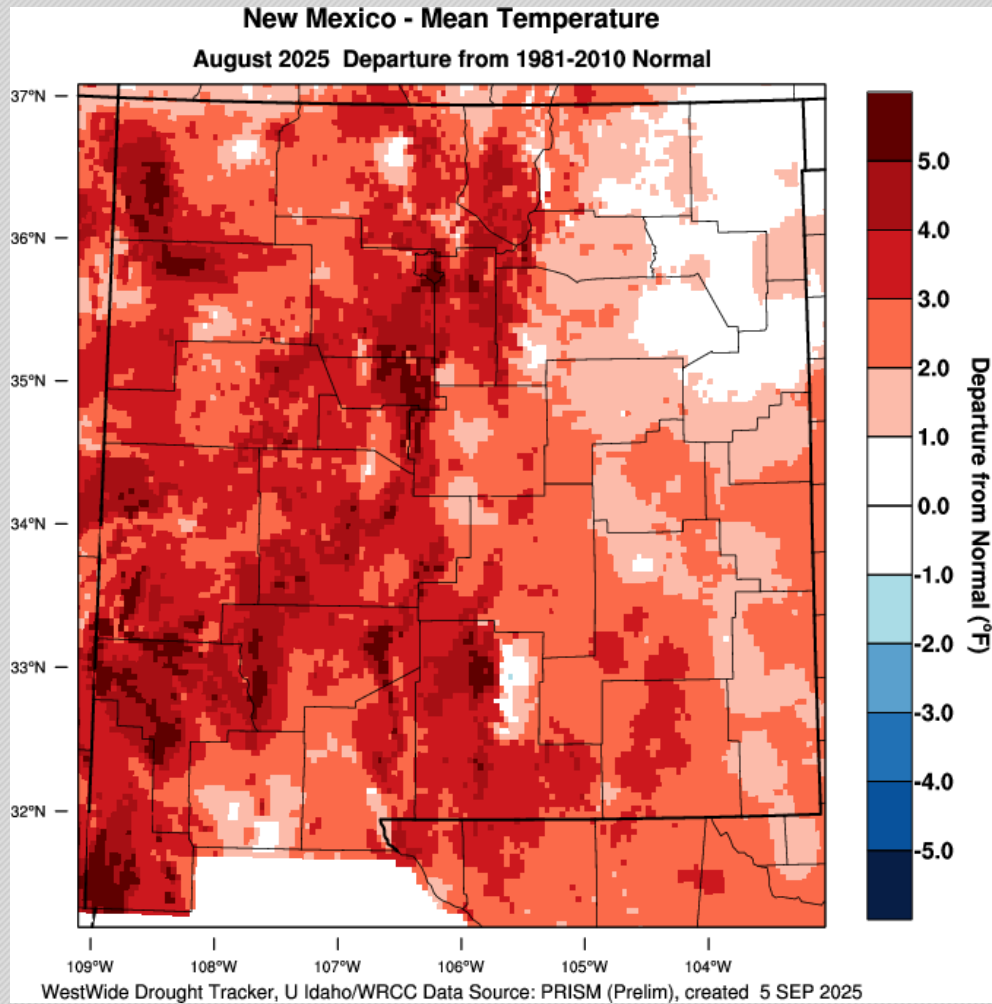


Precipitation

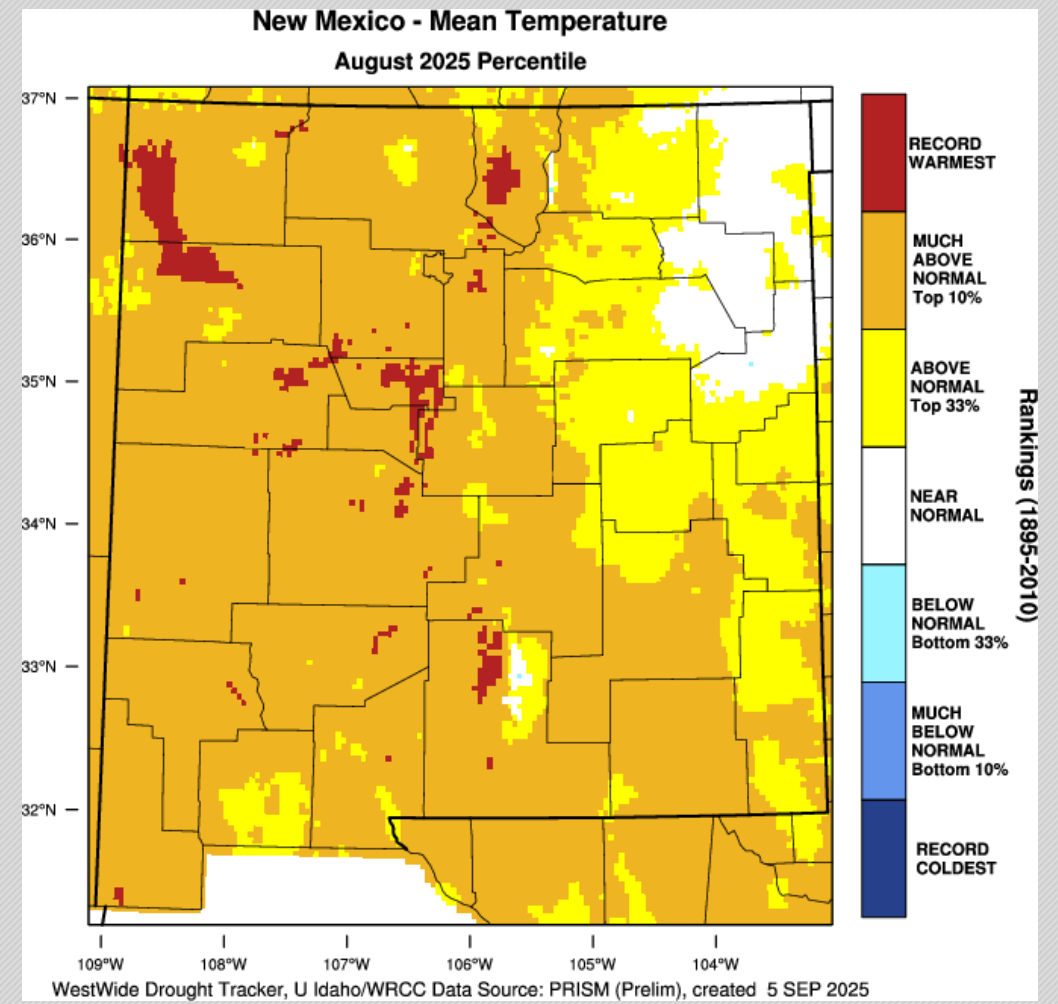
Total Precipitation: Aug 2025
Period ending 7 AM EST 31 Aug 2025
(Map graphic created 02 Sep 2025)



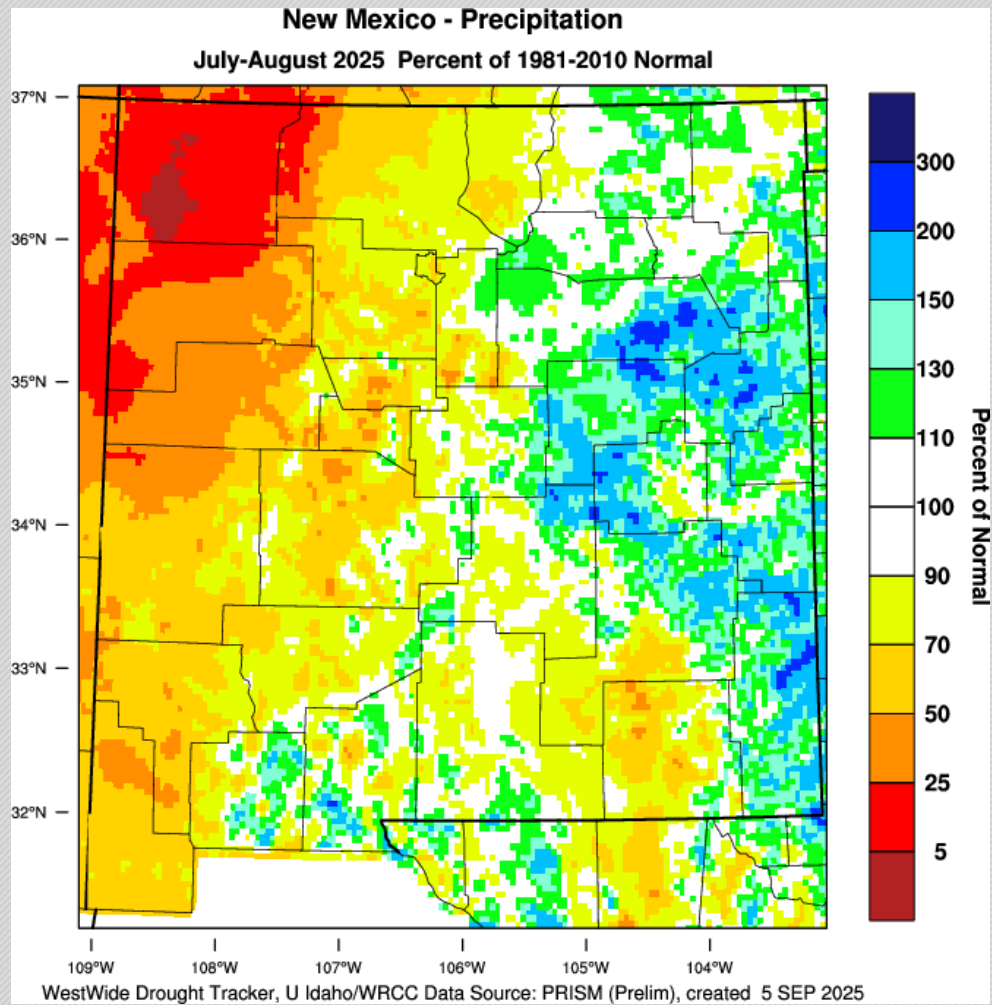
Anomaly



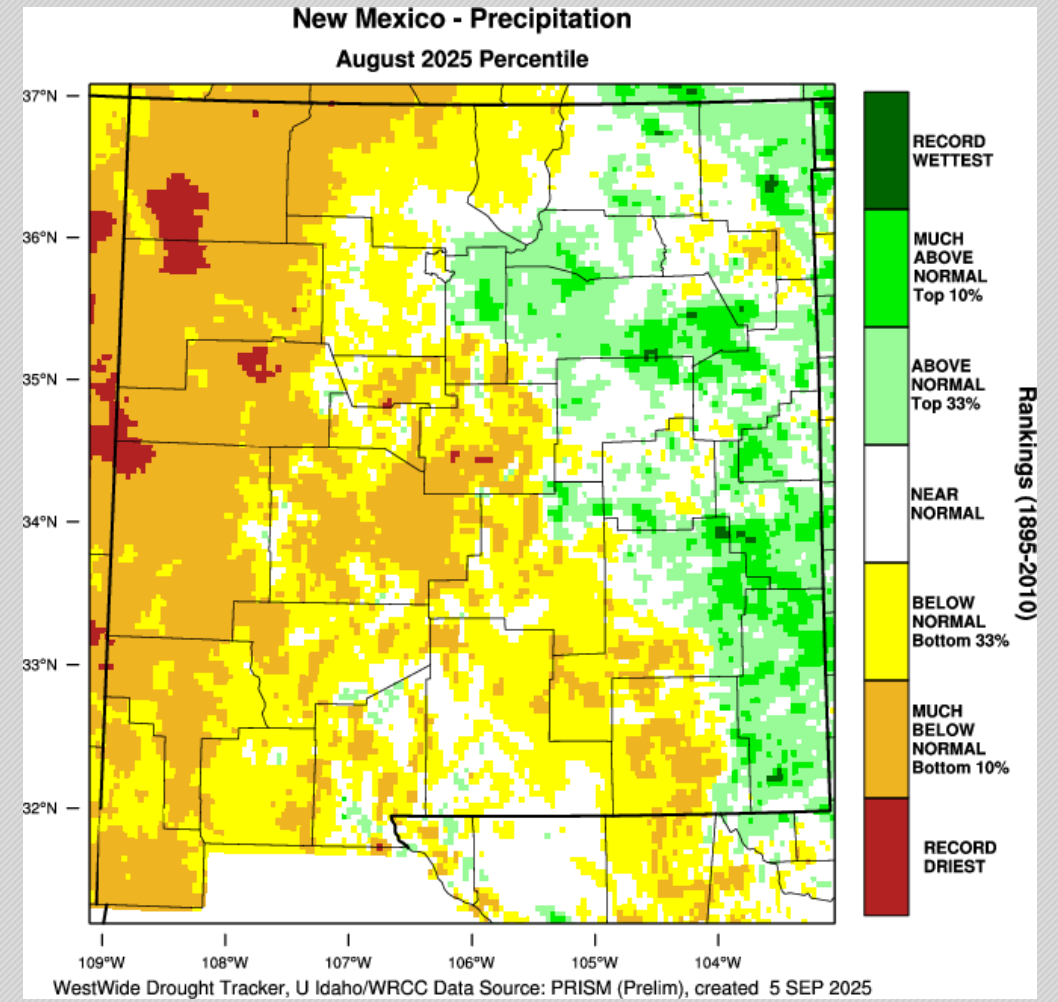
Percentile

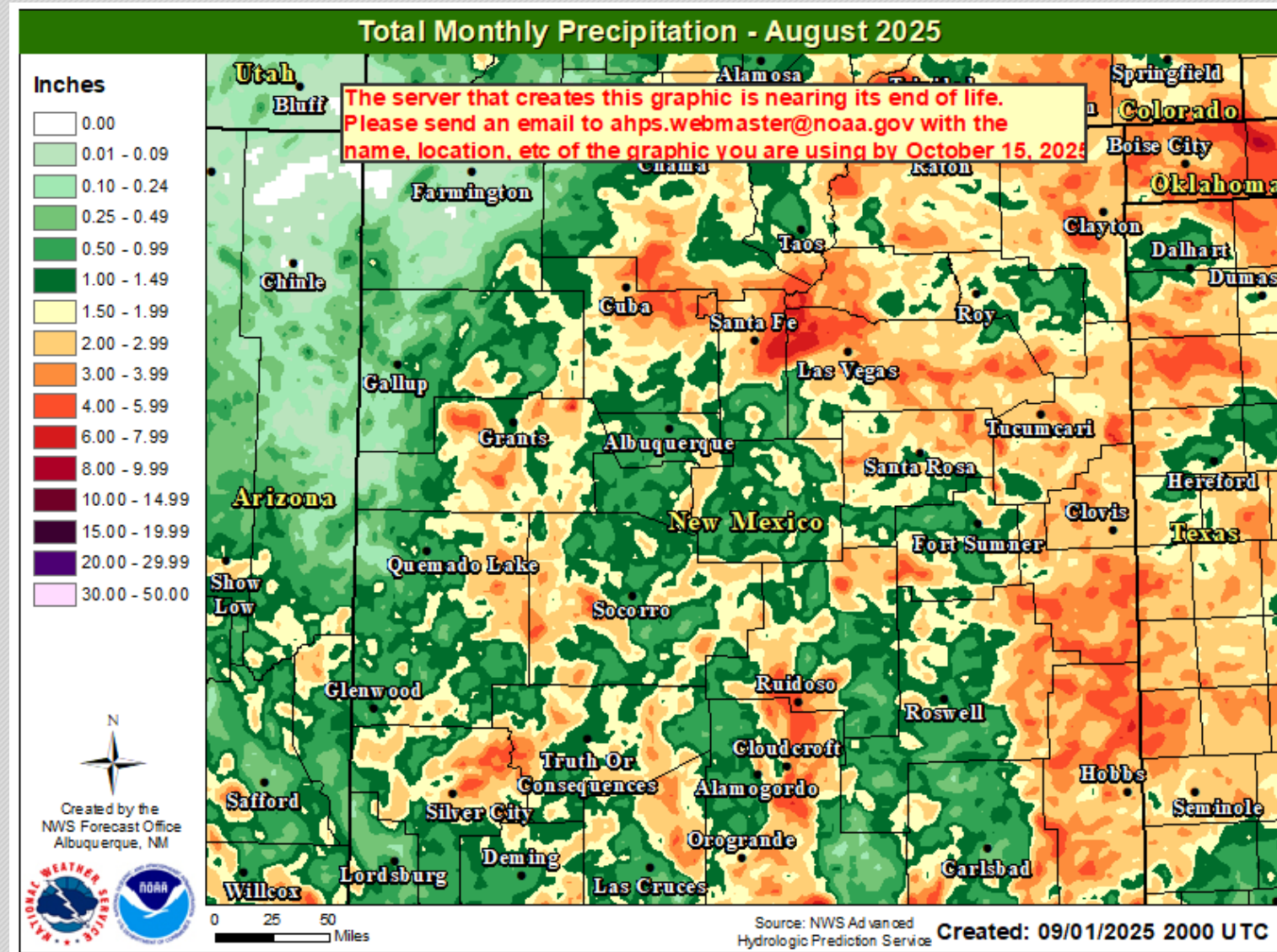


Anomaly

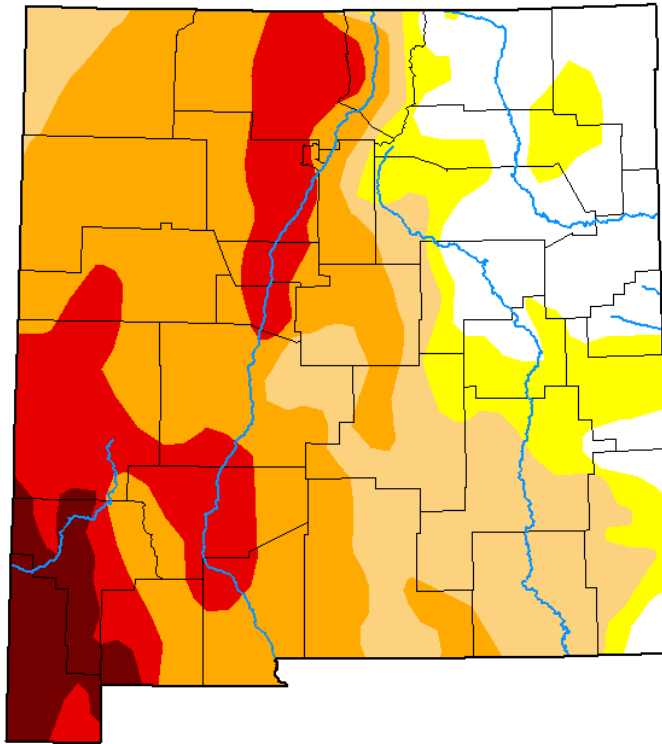


Percentile





U.S. Drought Monitor New Mexico



August 5, 2025

(Released Thursday, Aug. 7, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	16.05	83.95	72.83	53.81	20.21	4.73
Last Week 07-29-2025	7.23	92.77	77.53	59.33	31.81	5.99
3 Months Ago 05-06-2025	1.27	98.73	88.37	75.51	49.34	4.23
Start of Calendar Year 01-07-2025	43.30	56.70	35.22	19.69	5.37	0.00
Start of Water Year 10-01-2024	28.35	71.65	34.73	17.54	2.80	0.00
One Year Ago 08-06-2024	16.39	83.61	47.65	22.68	7.85	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

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>

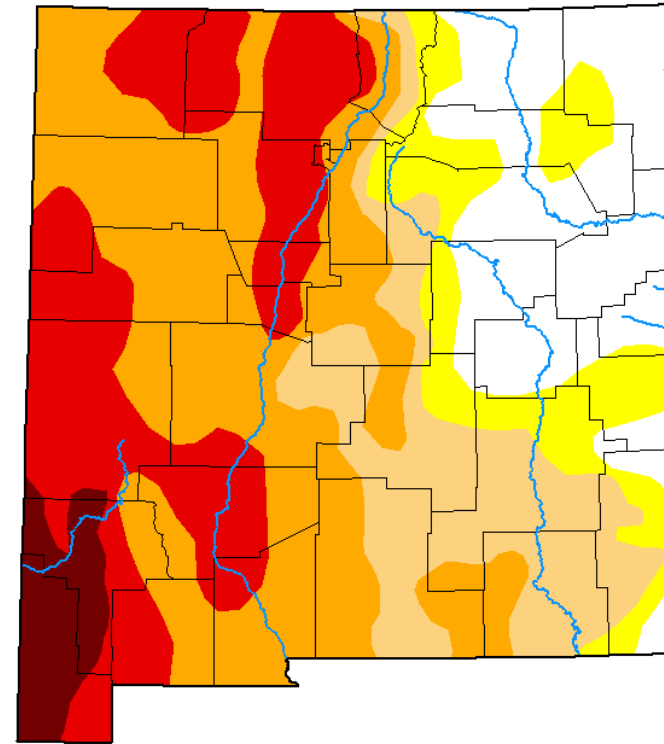
Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



September 2, 2025

(Released Thursday, Sep. 4, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	17.92	82.08	71.66	56.17	25.17	4.07
Last Week 08-26-2025	17.68	82.32	71.68	56.17	25.17	4.07
3 Months Ago 06-03-2025	7.36	92.64	79.18	69.01	46.12	9.06
Start of Calendar Year 01-07-2025	43.30	56.70	35.22	19.69	5.37	0.00
Start of Water Year 10-01-2024	28.35	71.65	34.73	17.54	2.80	0.00
One Year Ago 09-03-2024	21.83	78.17	42.50	20.87	4.62	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

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:

David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

Minor improvements were made to drought conditions in northern and eastern New Mexico during the month of August. Severe to exceptional drought conditions persist for areas along and west of the central mountain chain.

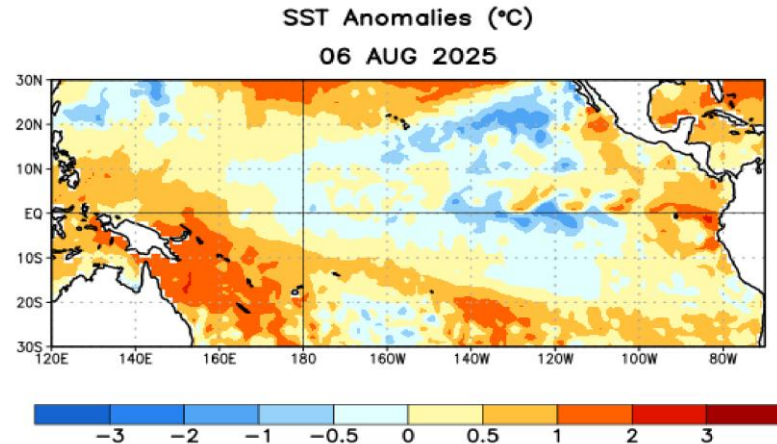


Figure 1. Average sea surface temperature (SST) anomalies ($^{\circ}\text{C}$) for the week centered on 6 August 2025. Anomalies are computed with respect to the 1991-2020 base period weekly means.

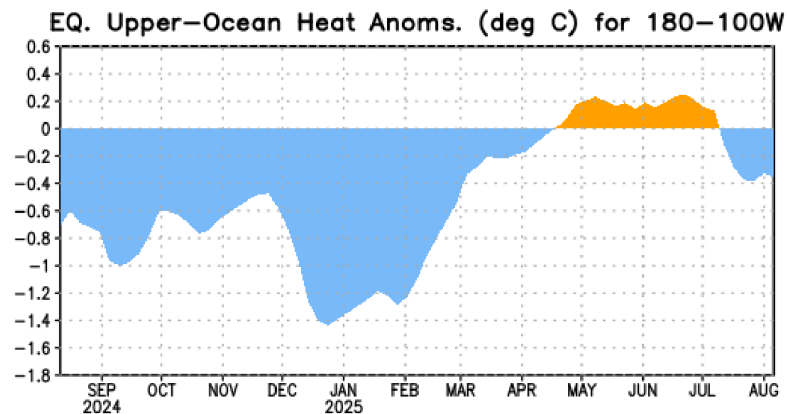


Figure 3. Area-averaged upper-ocean heat content anomaly ($^{\circ}\text{C}$) in the equatorial Pacific (5°N - 5°S , 180° - 100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

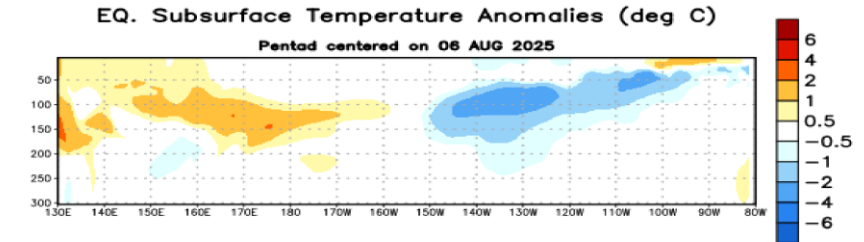


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies ($^{\circ}\text{C}$) centered on the pentad of 6 August 2025. Anomalies are departures from the 1991-2020 base period pentad means.

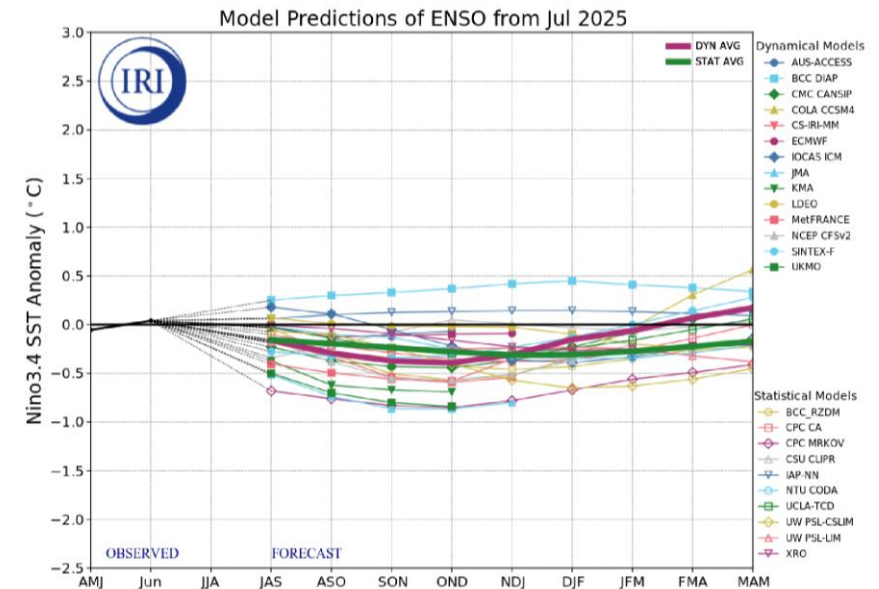
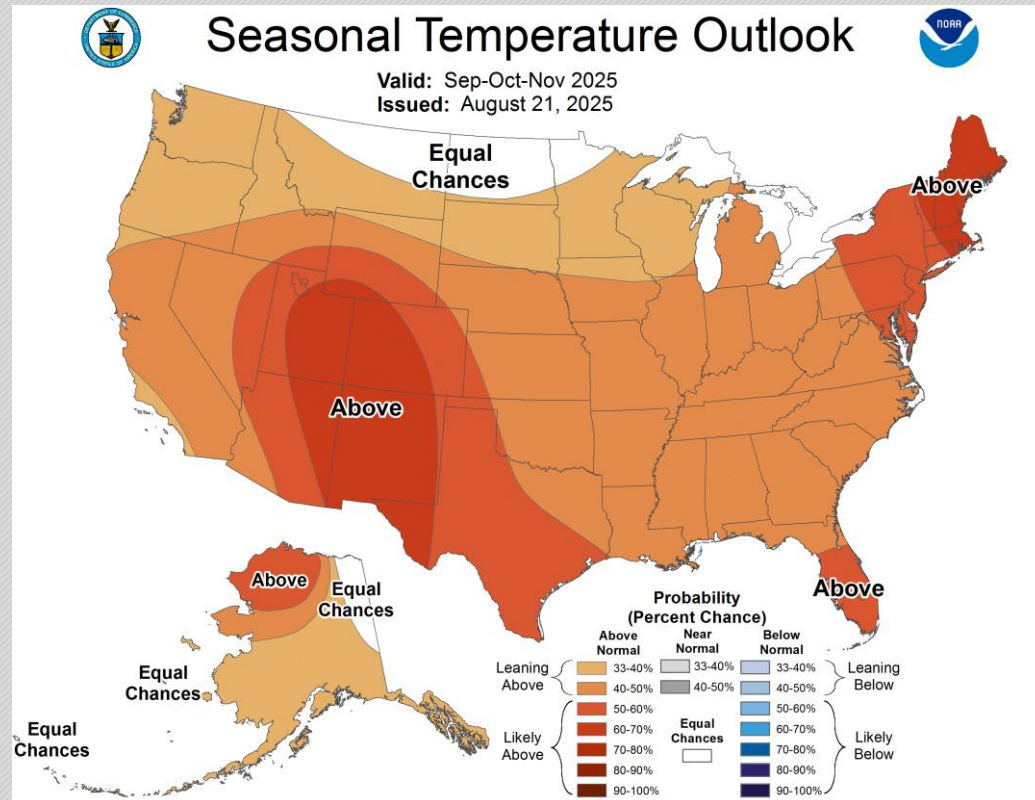
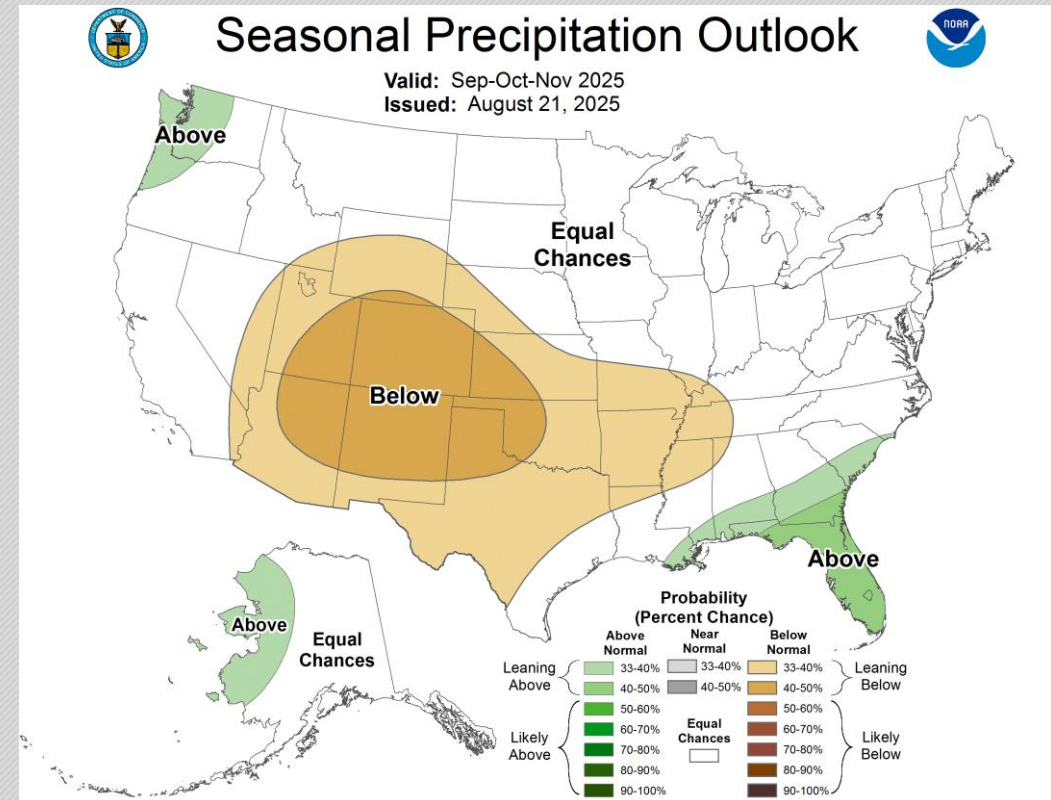


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N - 5°S , 120°W - 170°W). Figure updated 18 July 2025 by the International Research Institute (IRI) for Climate and Society.

Temperature September-October-November



Precipitation September-October-November

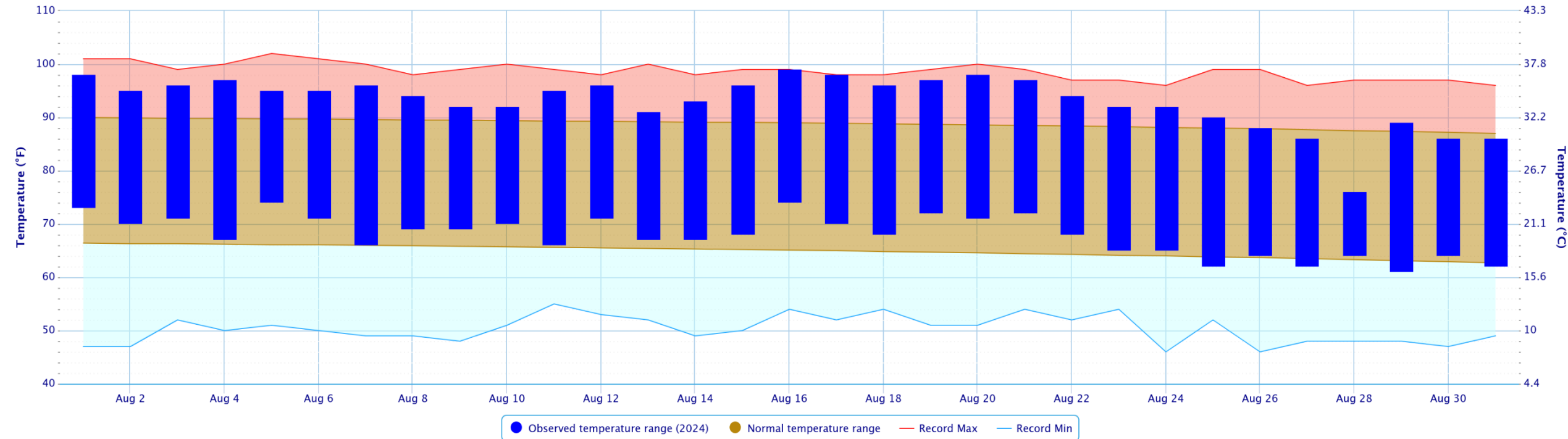


There are increased chances of above average temperatures and below average precipitation in New Mexico this Fall. The confidence in above average temperatures is greatest in the northwest while confidence in below average precipitation is greatest in the southeast.

Average Temperature: 80.2°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2024-08-31. Normals period: 1991-2020. Click and drag to zoom chart.



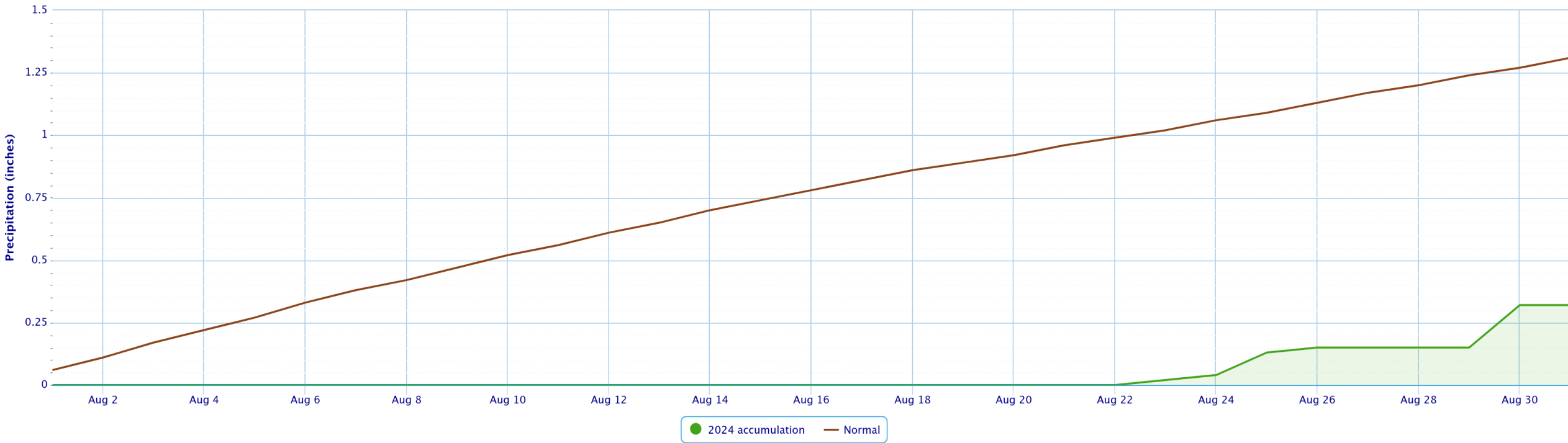
Powered by ACIS

The August 2025 average temperature for Albuquerque was 80.2°, which was 3.3° above the normal of 76.9°. The average maximum temperature for the month was 92.4°. This was 3.6° above the normal average maximum temperature of 88.8°. The average minimum temperature for the month was 68.0°. This was 3.1° above the normal average minimum temperature of 64.9°. This ranked as the 4th warmest August on record.

Precipitation: 0.24"

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

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

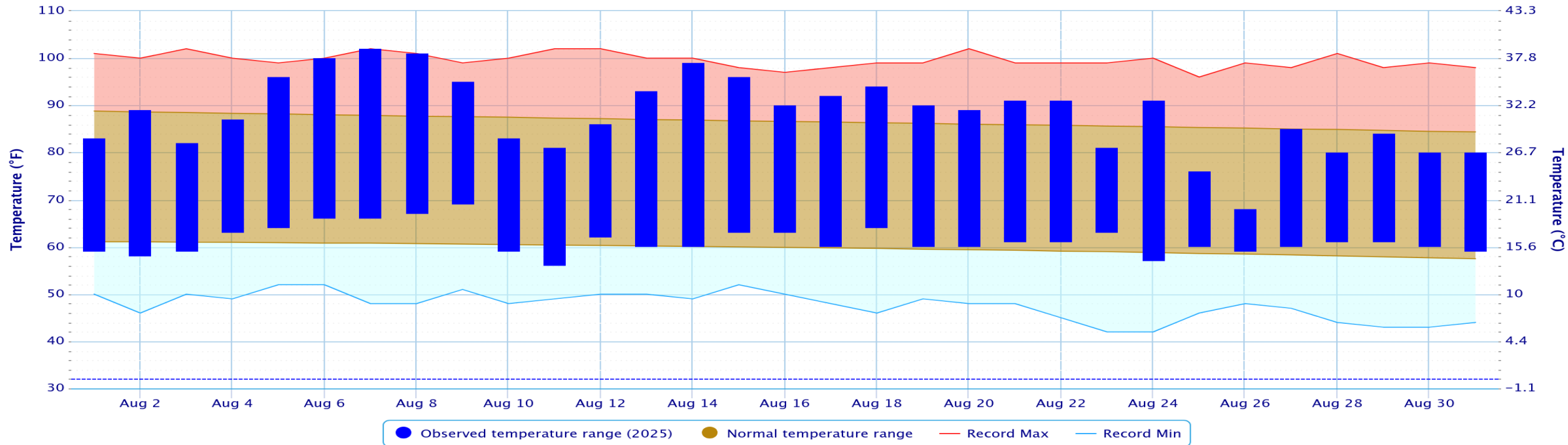


The August 2025 precipitation for Albuquerque was 0.24", which was 1.07" below the normal of 1.31". This ranked as the 10th driest August on record.

Average Temperature: 74.8°

Daily Temperature Data – CLAYTON MUNICIPAL AIR PARK, NM

Period of Record – 1896-02-01 to 2025-09-04. Normals period: 1991-2020. Click and drag to zoom chart.



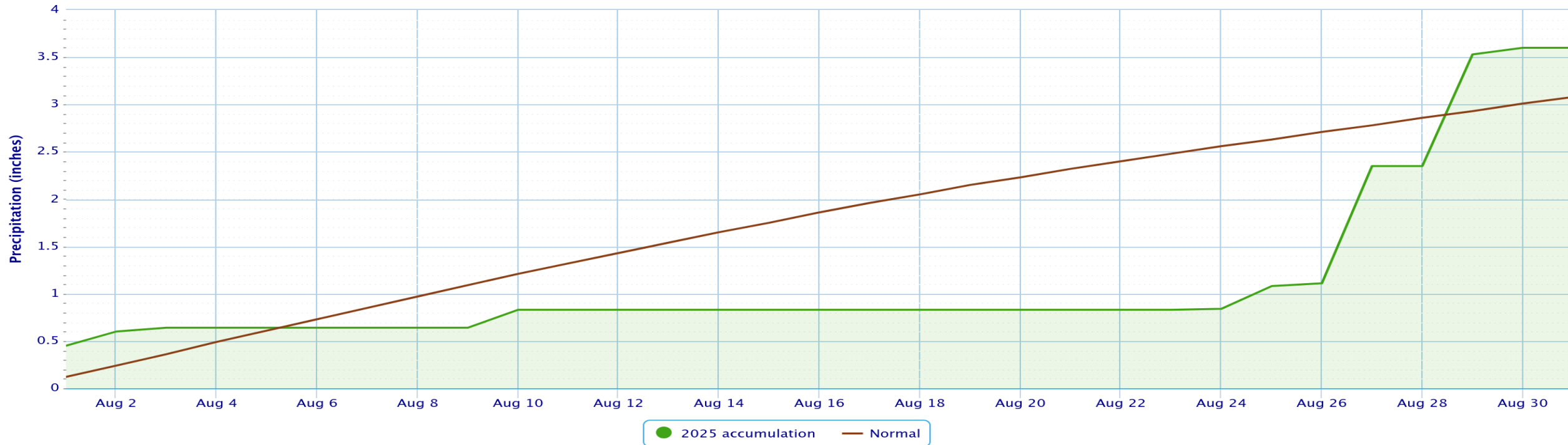
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The August 2025 average temperature for Clayton was 74.8°, which was 1.7° above the normal of 73.1°. The average maximum temperature for the month was 88.2°. This was 1.6° above the normal average maximum temperature of 86.6°. The average minimum temperature for the month was 61.3°. This was 1.6° above the normal average minimum temperature of 59.7°. This ranked as the 27th warmest August on record.

Precipitation: 3.60"

Accumulated Precipitation – CLAYTON MUNICIPAL AIR PARK, NM

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



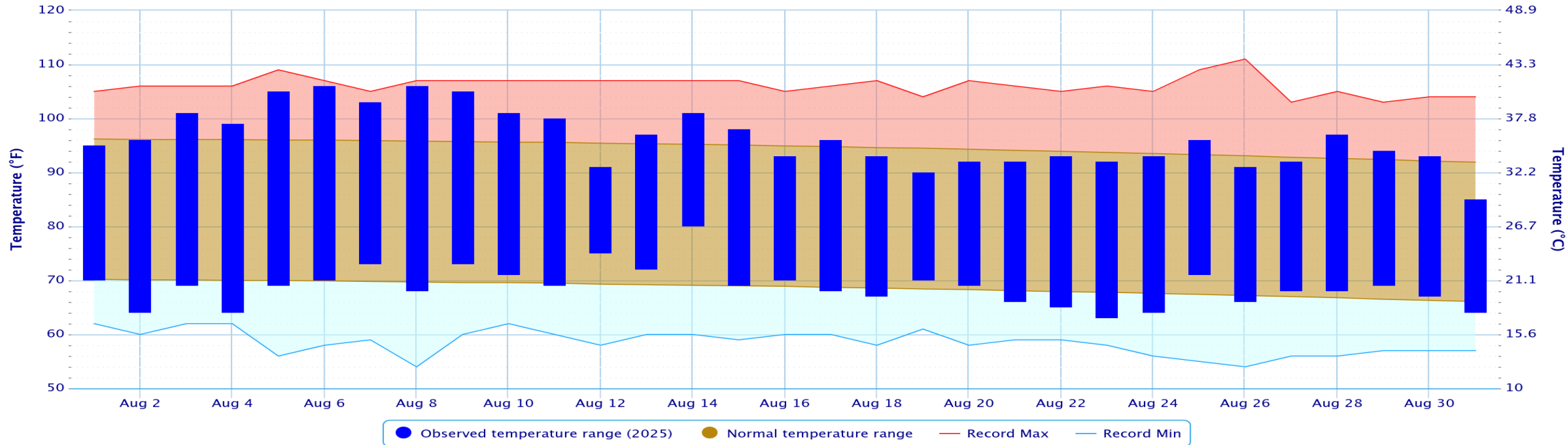
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The August 2025 precipitation for Clayton was 3.60", which was 0.52" above the normal of 3.08". This ranked as the 22nd wettest August on record.

Average Temperature: 82.5°

Daily Temperature Data – ROSWELL INDUSTRIAL AIR PARK, NM

Period of Record – 1946-12-01 to 2025-09-04. Normals period: 1991-2020. Click and drag to zoom chart.



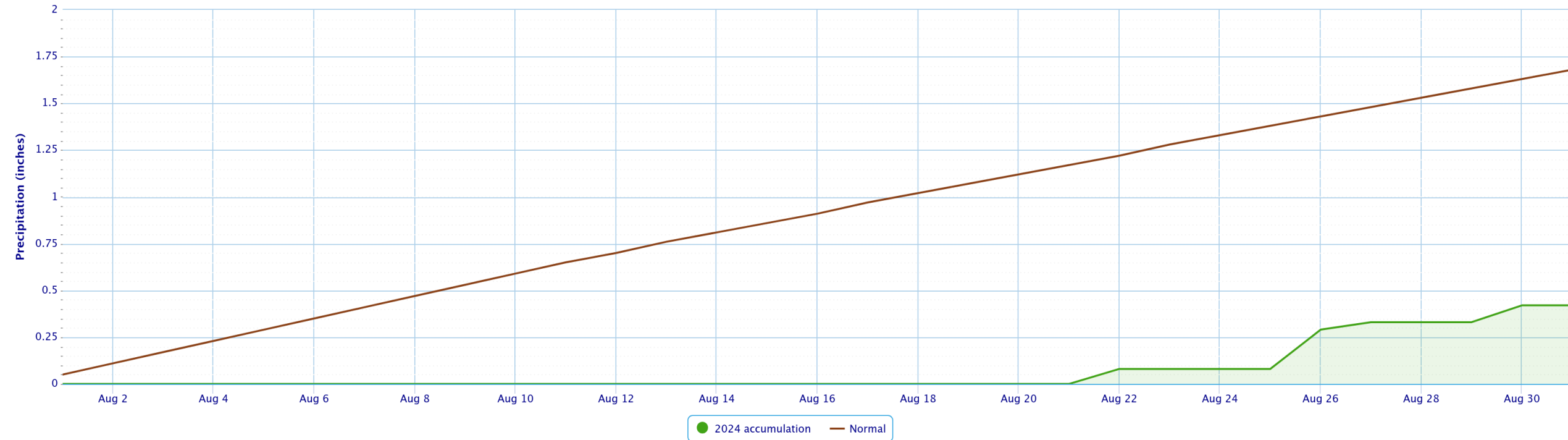
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The August 2025 average temperature for Roswell was 82.5°, which was 0.9° above the normal of 81.6°. The average maximum temperature for the month was 96.3°. This was 1.7° above the average maximum temperature of 94.6°. The average minimum temperature for the month was 68.7°. This was 0.1° above the normal average minimum temperature of 68.6°. This ranked as the 9th warmest August on record.

Precipitation: 1.57"



Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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



Powered by ACIS

The August 2025 precipitation for Roswell was 1.57", which was 0.11" below the normal of 1.68". This ranked as the 73rd driest August on record.

- ▶ 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/>
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