



Synopsis

January 2025 was a bitterly cold and dry month for most of New Mexico. Several Arctic air intrusions throughout the month kept temperatures well-below average for weeks on end. Despite being a cold month, it was relatively dry with only a few winter storms. The strongest storm came at the end of the month, bringing beneficial snow to the mountains. Some of the highlights from this storm were thundersnow in the mountains and a landspout in Albuquerque! At the end of the month, the snowpack was in bad shape, running significantly lower than normal for the middle of winter.

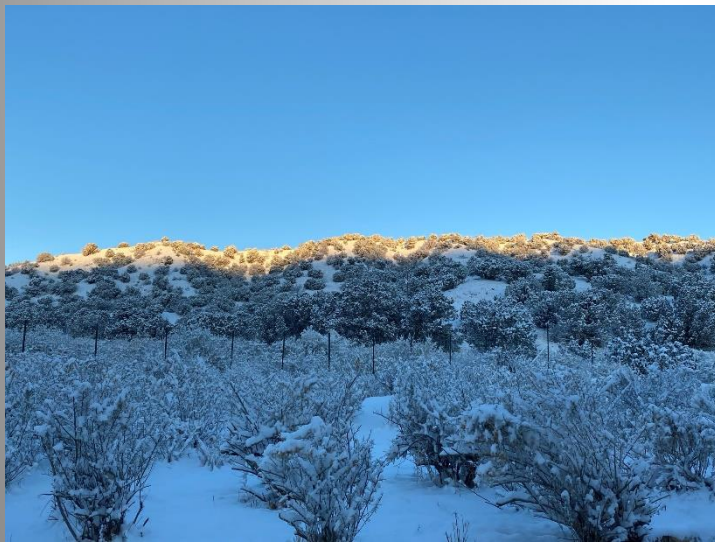


Photo courtesy Heidi
Lamy, NM | Jan 10th



Photo courtesy Jack Hays
Fort Sumner, NM | Jan 9th



Photo courtesy Richie Martinez
Albuquerque, NM | Jan 29th

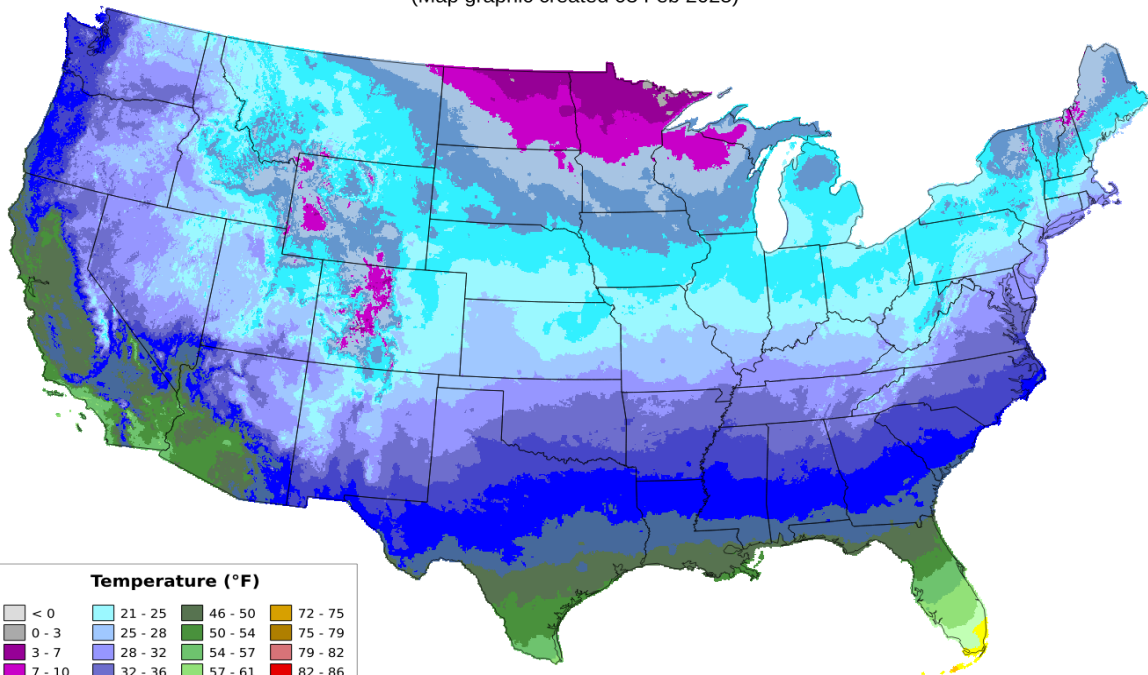


Temperatures

Average Daily Mean Temperature: Jan 2025

Period ending 7 AM EST 31 Jan 2025

(Map graphic created 03 Feb 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	

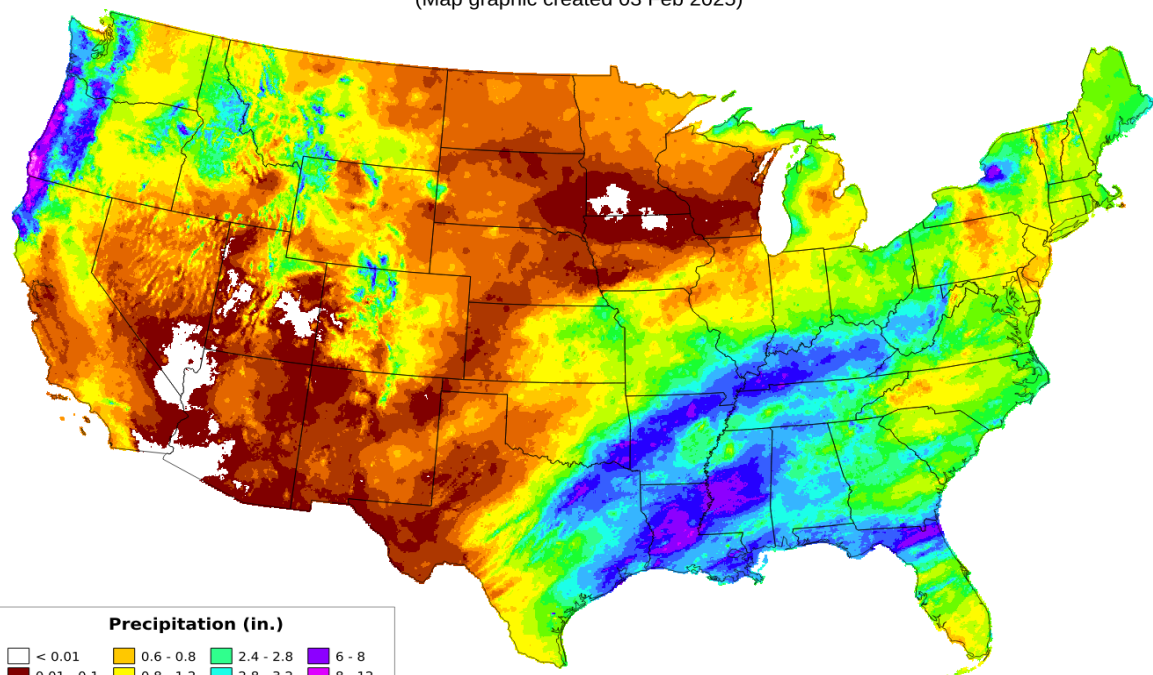
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Precipitation

Total Precipitation: Jan 2025

Period ending 7 AM EST 31 Jan 2025

(Map graphic created 03 Feb 2025)



Precipitation (in.)

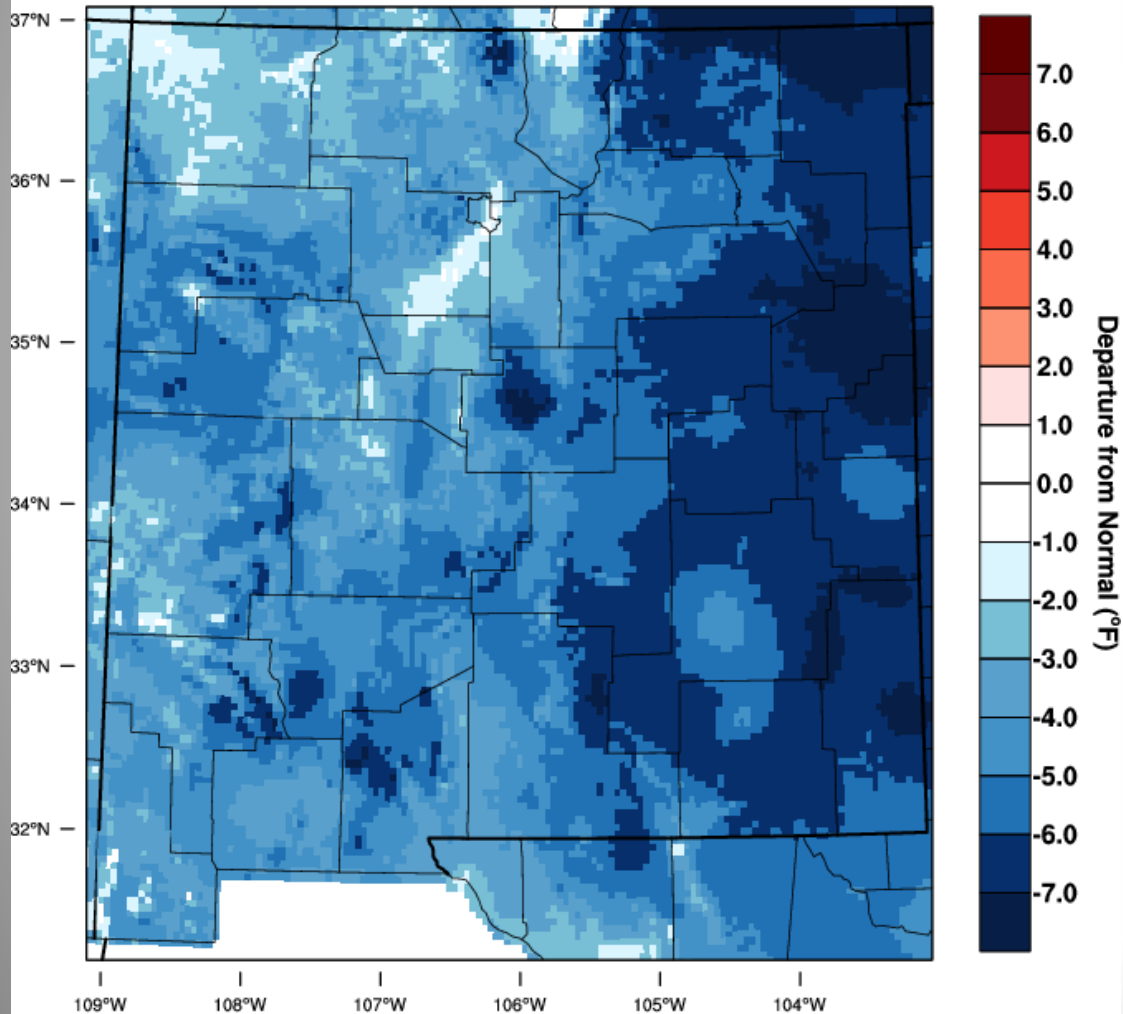
< 0.01	0.6 - 0.8	2.4 - 2.8	6 - 8
0.01 - 0.1	0.8 - 1.2	2.8 - 3.2	8 - 12
0.1 - 0.2	1.2 - 1.6	3.2 - 4	12 - 16
0.2 - 0.4	1.6 - 2	4 - 5	16 - 20
0.4 - 0.6	2 - 2.4	5 - 6	> 20

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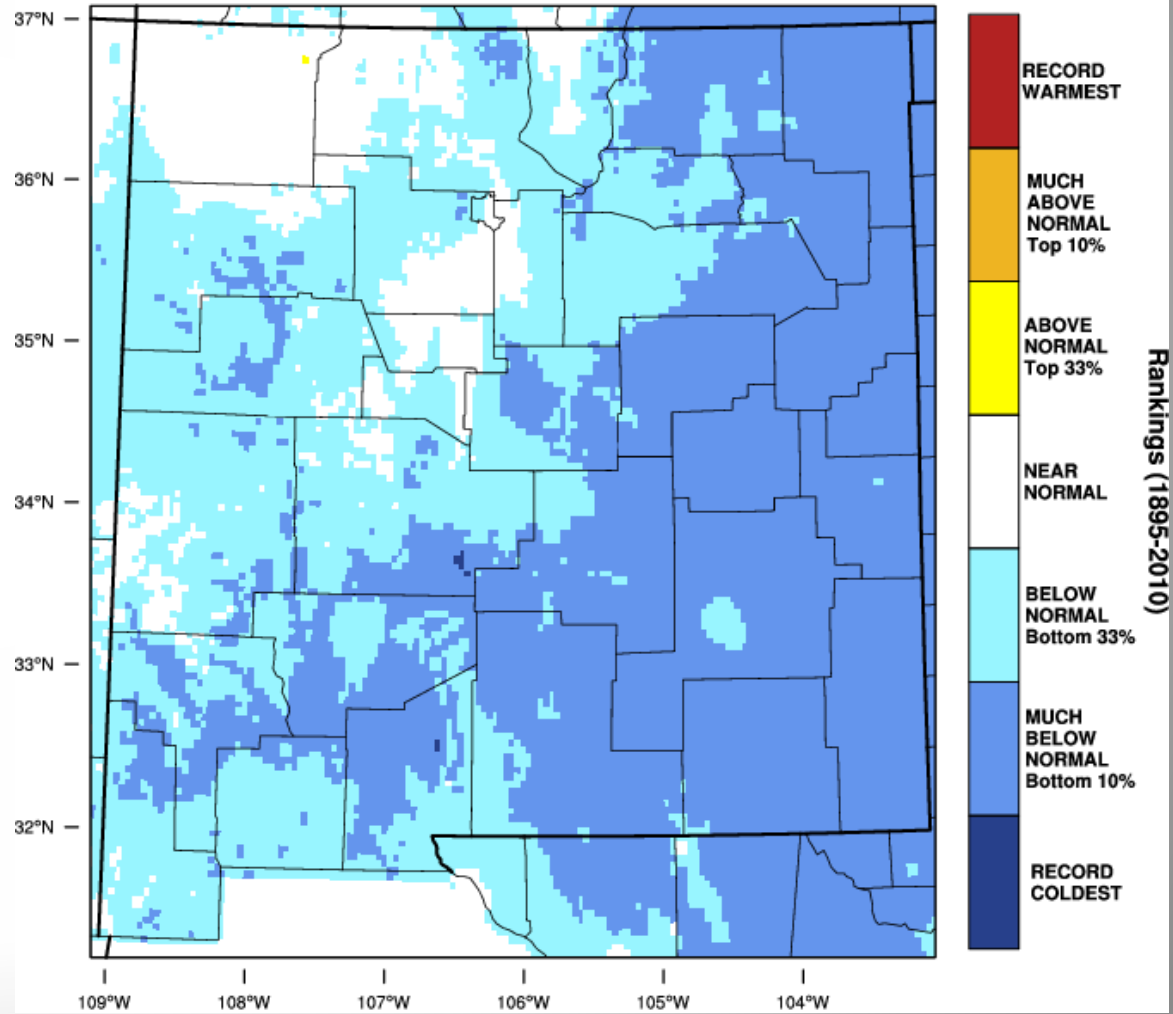
Anomaly

January 2025 Departure from 1981-2010 Normal



Percentile

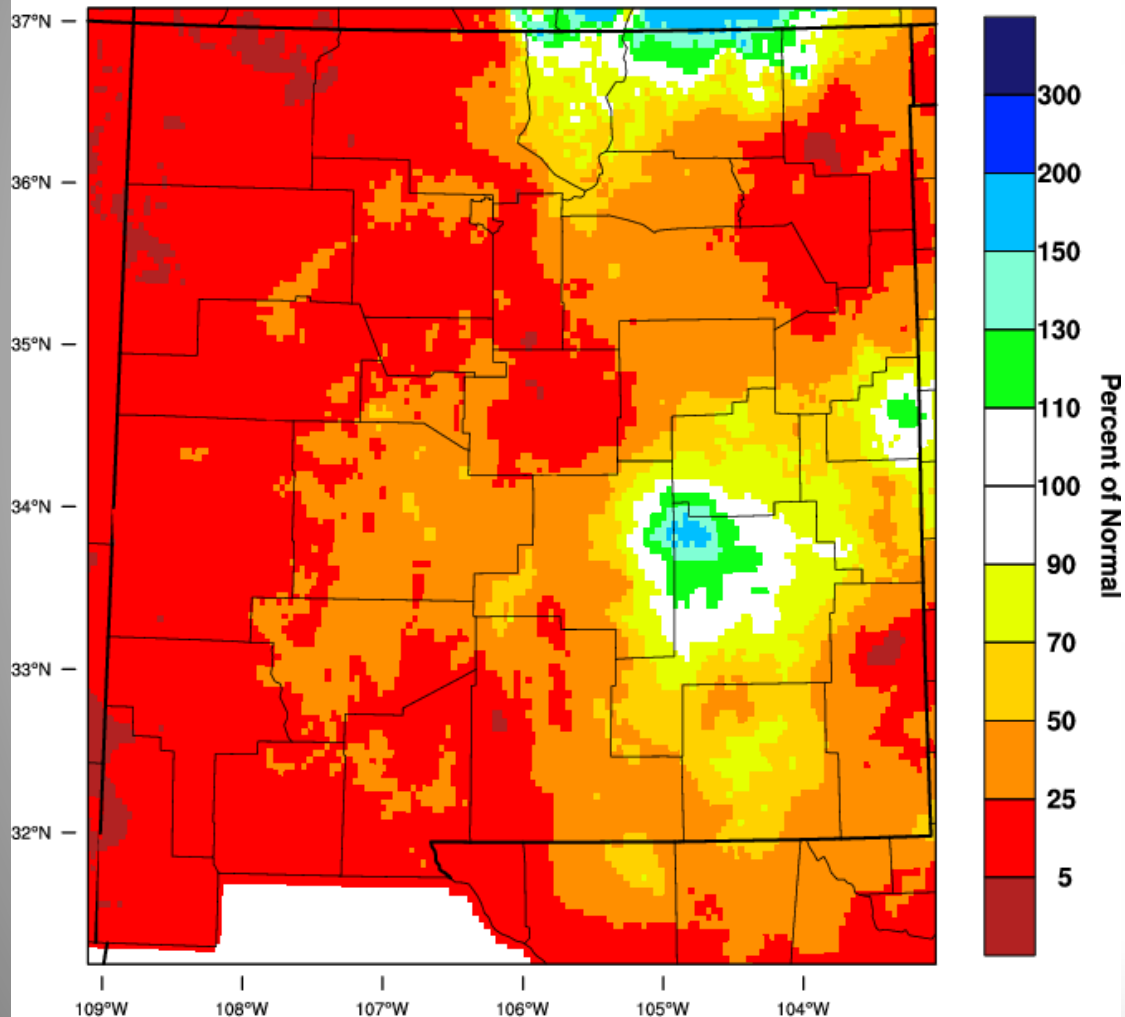
January 2025 Percentile





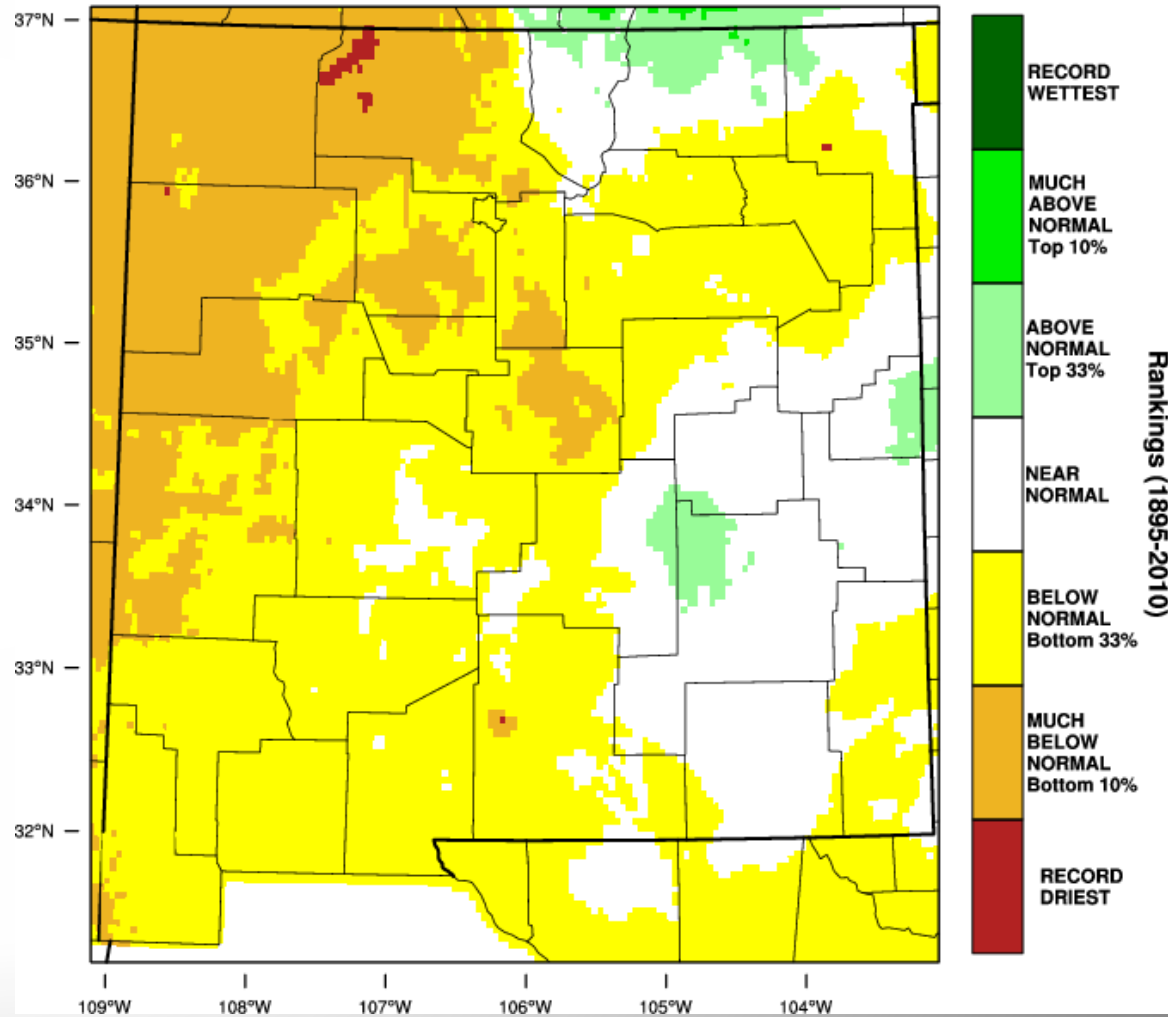
Anomaly

January 2025 Percent of 1981-2010 Normal



Percentile

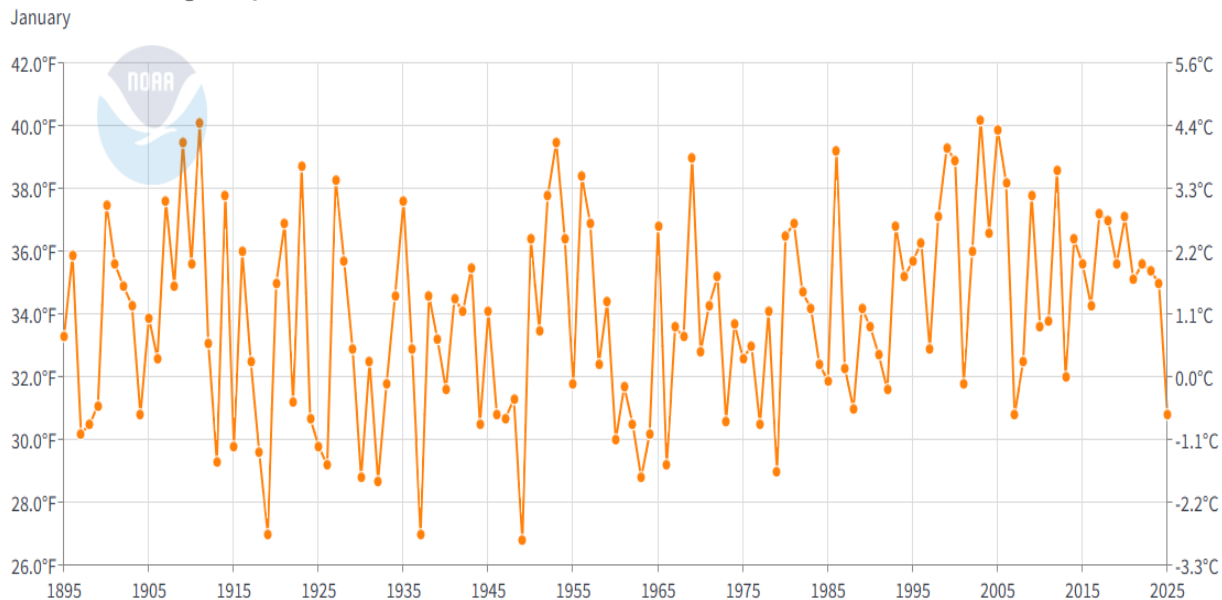
January 2025 Percentile





Temperature

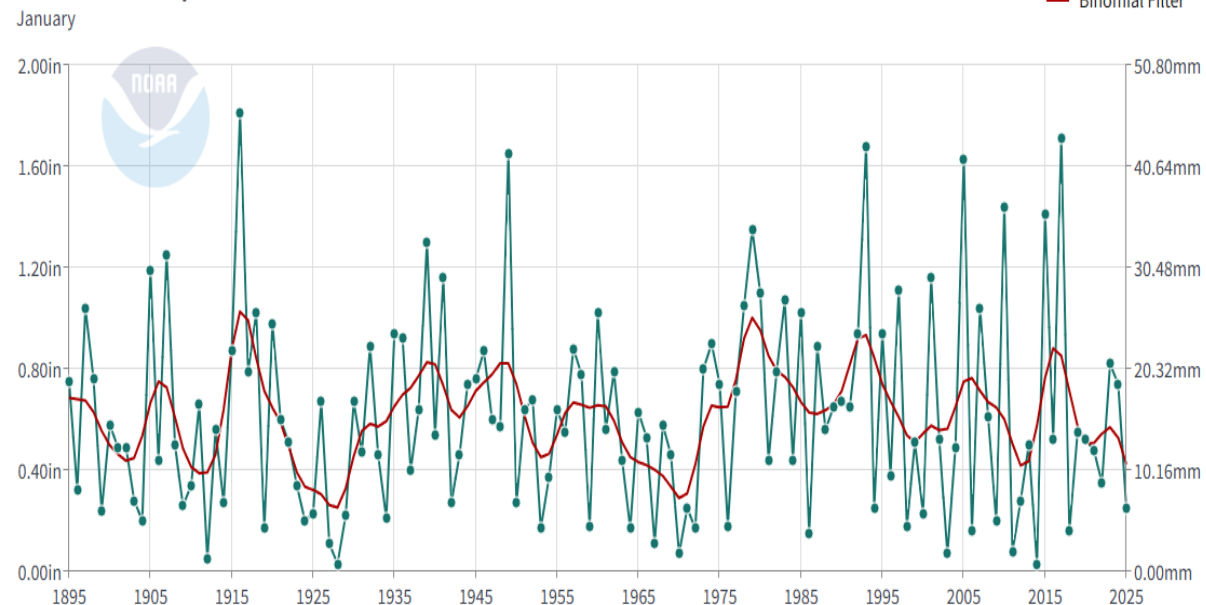
New Mexico Average Temperature



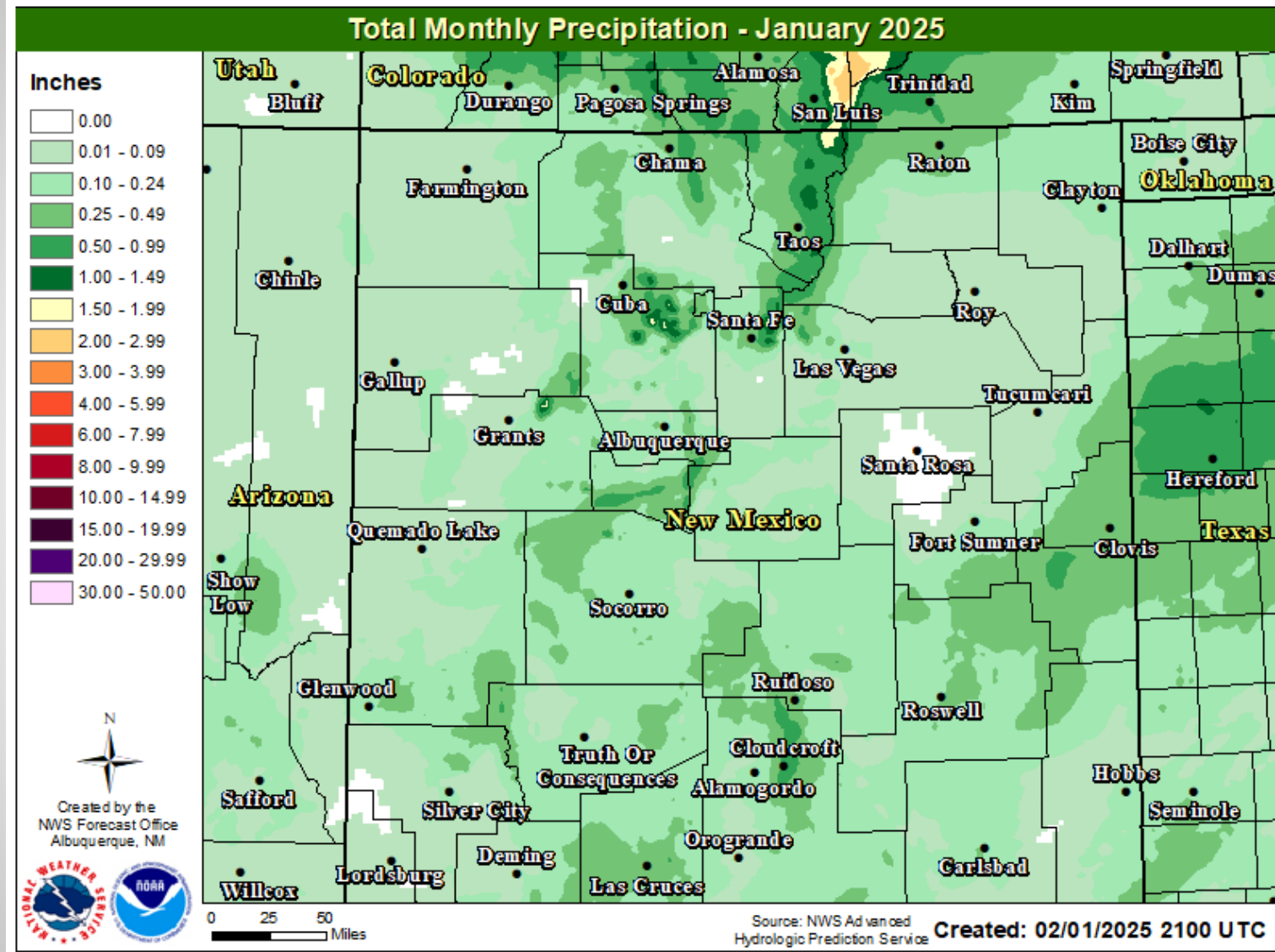
The January 2025 average statewide temperature was 30.8°, which was 2.8° below the long-term normal of 33.6° (1901-2000). This ranked as the 24th coldest January on record (1895-2025).

Precipitation

New Mexico Precipitation

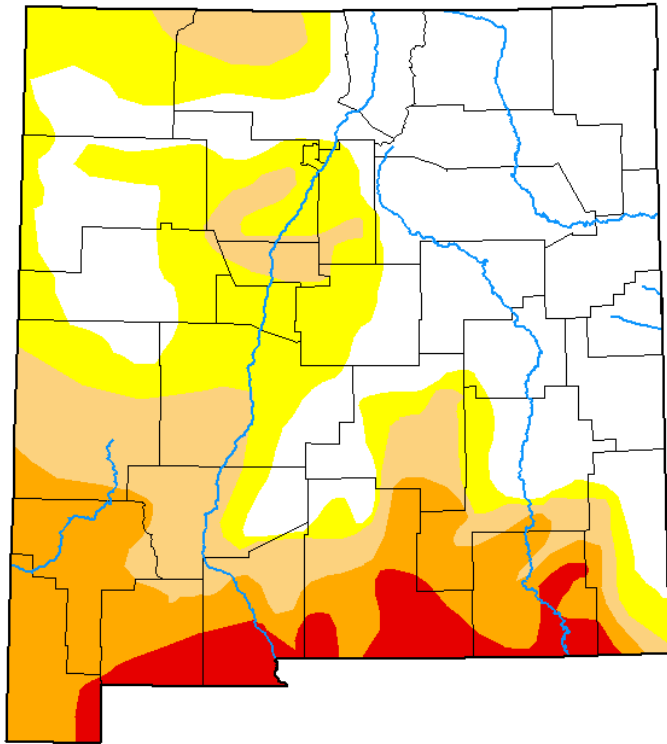


The January 2025 average statewide precipitation was 0.25", which was 0.36" below the long-term normal of 0.61" (1901-2000). This ranked as the 27th driest January on record (1895-2025).





U.S. Drought Monitor New Mexico



January 7, 2025
(Released Thursday, Jan. 9, 2025)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	43.30	56.70	35.22	19.69	5.37	0.00
Last Week 12-31-2024	43.74	56.26	29.19	16.25	5.19	0.00
3 Months Ago 10-08-2024	26.26	73.74	35.97	18.72	3.14	0.00
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 01-09-2024	0.64	99.36	94.26	78.60	37.43	6.48

Intensity:

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

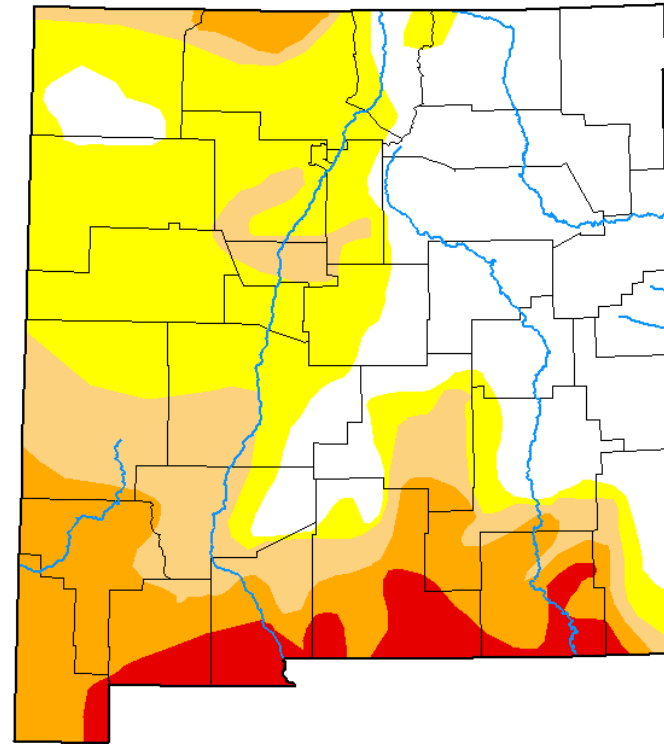
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



January 28, 2025
(Released Thursday, Jan. 30, 2025)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	34.50	65.50	36.00	20.58	5.37	0.00
Last Week 01-21-2025	35.21	64.79	35.86	19.69	5.37	0.00
3 Months Ago 10-29-2024	21.33	78.67	33.32	19.61	6.52	0.00
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 01-30-2024	1.23	98.77	91.38	69.44	28.86	5.53

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme 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:
Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

Drought conditions continued to develop in western NM during the month of January. After 2 months of well-below average precipitation, drought expansion is likely in the coming months in the absence of significant precipitation

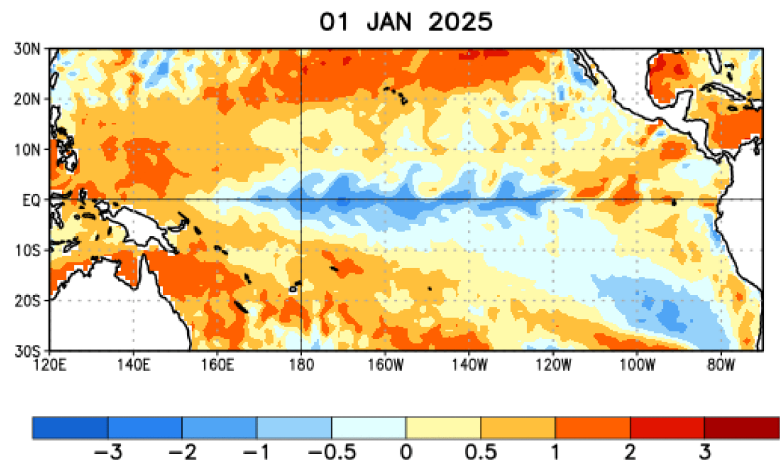
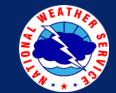


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 1 January 2025. Anomalies are computed with respect to the 1991-2020 base period weekly means.

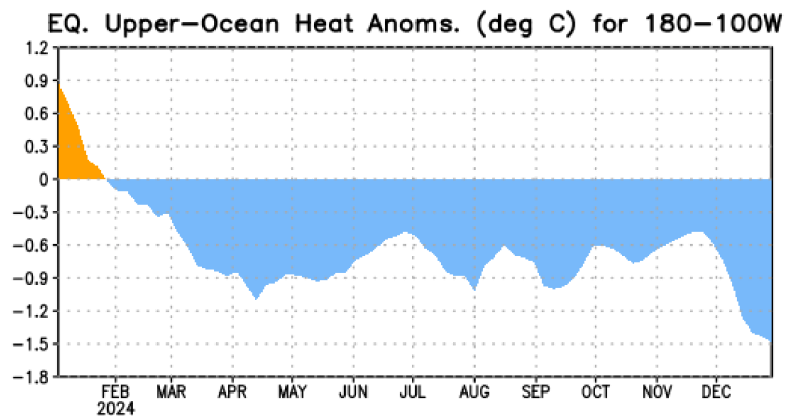


Figure 3. Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

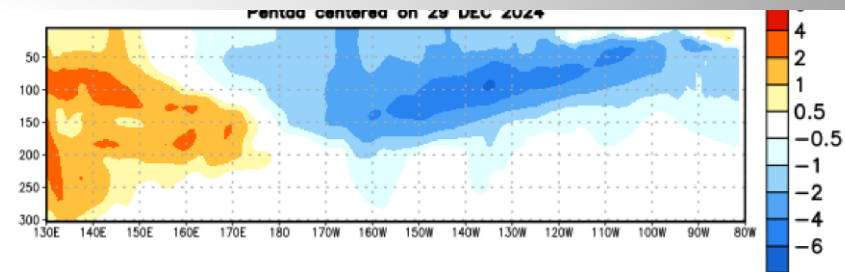


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies (°C) centered on the pentad of 29 December 2024. Anomalies are departures from the 1991-2020 base period pentad means.

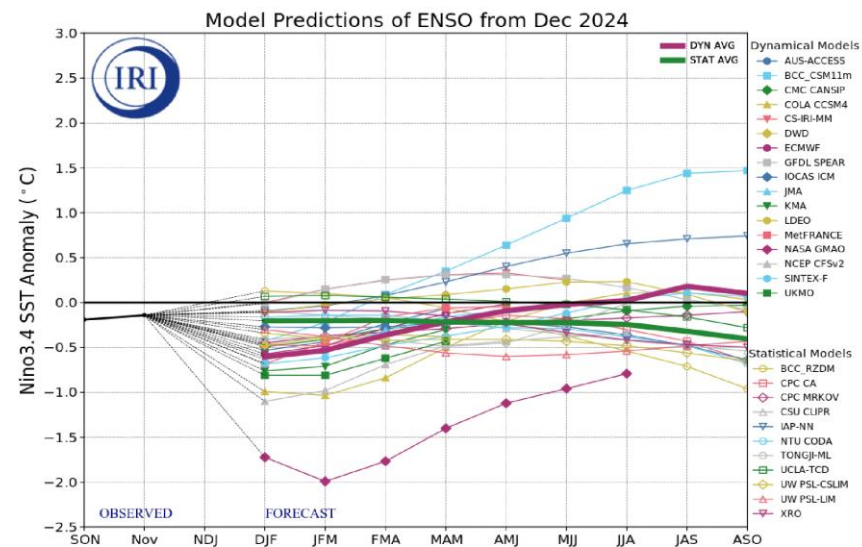
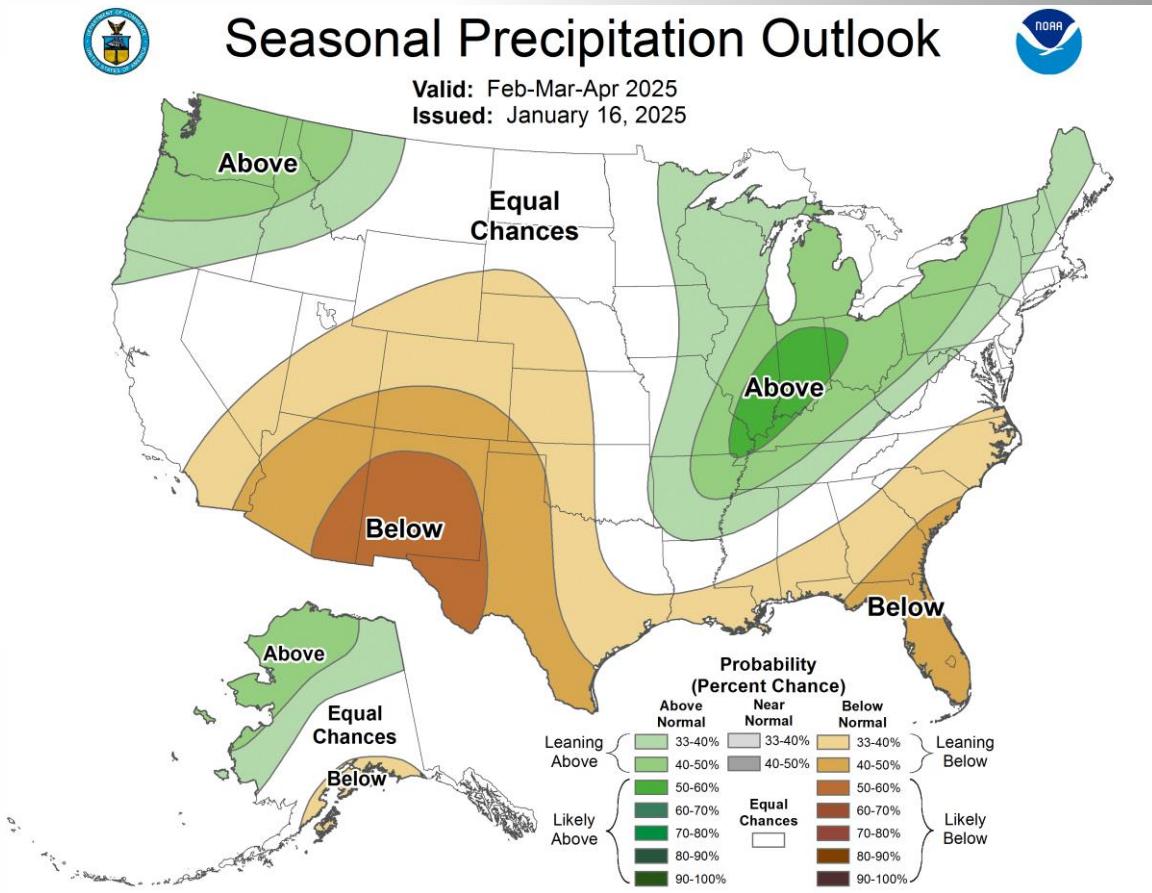
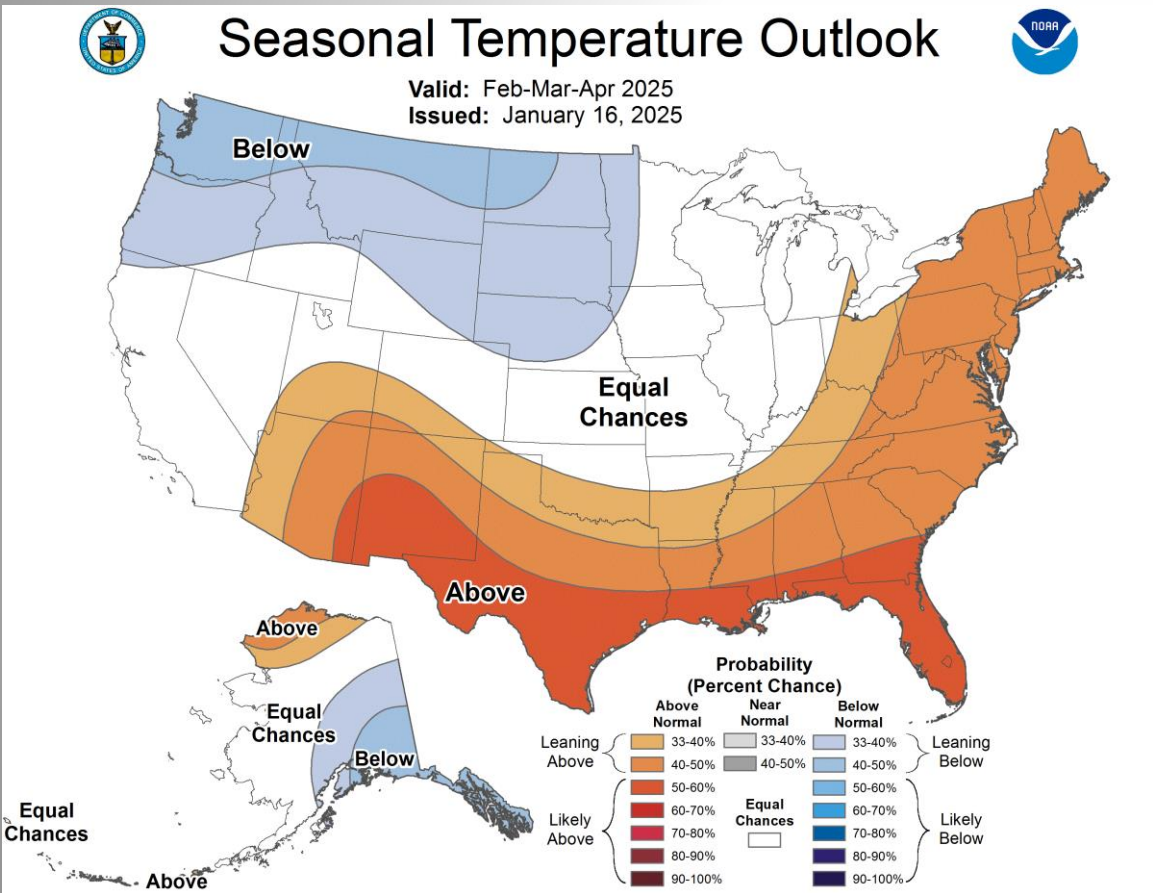


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 December 2024 by the International Research Institute (IRI) for Climate and Society.



Temperature February-March-April

Precipitation February-March-April

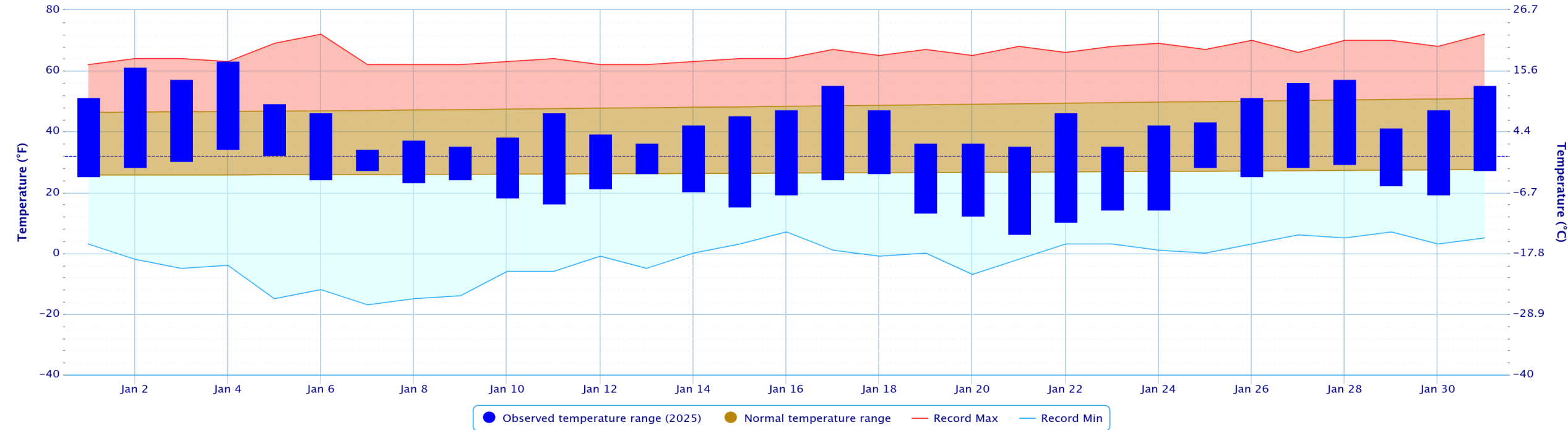




Average Temperature: 33.7°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2025-02-11. Normals period: 1991-2020. Click and drag to zoom chart.



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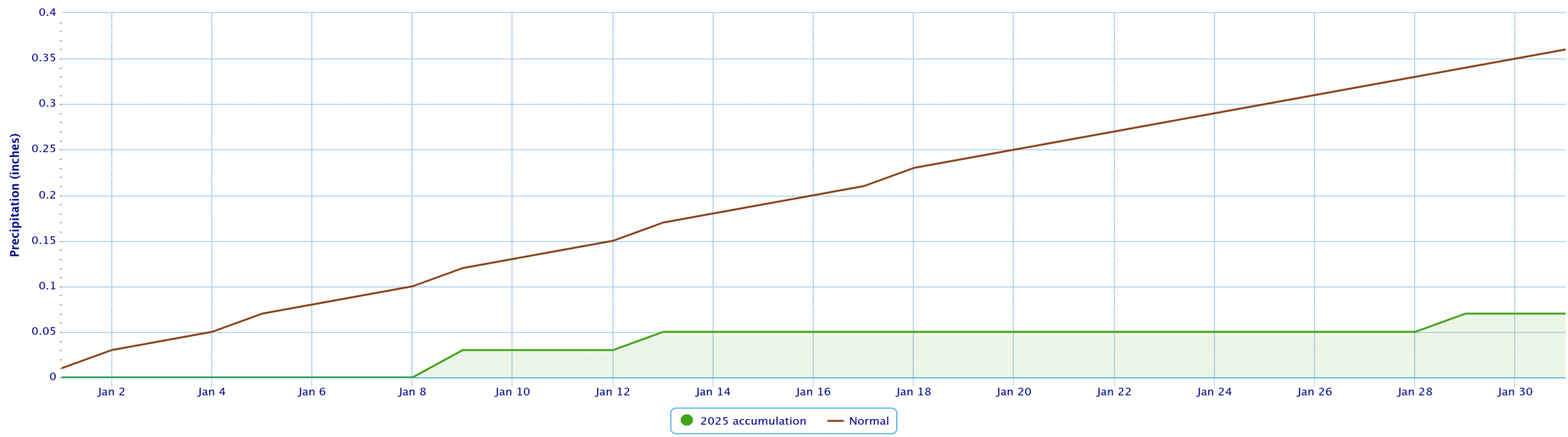
The January 2025 average temperature for Albuquerque was 33.7°, which was 3.7° above the normal of 37.4°. The average maximum temperature for the month was 45.4°. This was 3.0° below the normal average maximum temperature of 50.3°. The average minimum temperature for the month was 21.9°. This was 4.5° below the normal average minimum temperature of 26.2°. This ranked as the 45th coldest January on record.



Precipitation: 0.07"

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

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



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The January 2025 precipitation for Albuquerque was 0.07", which was 0.29" below the normal of 0.36". This ranked as the 29th driest January on record.

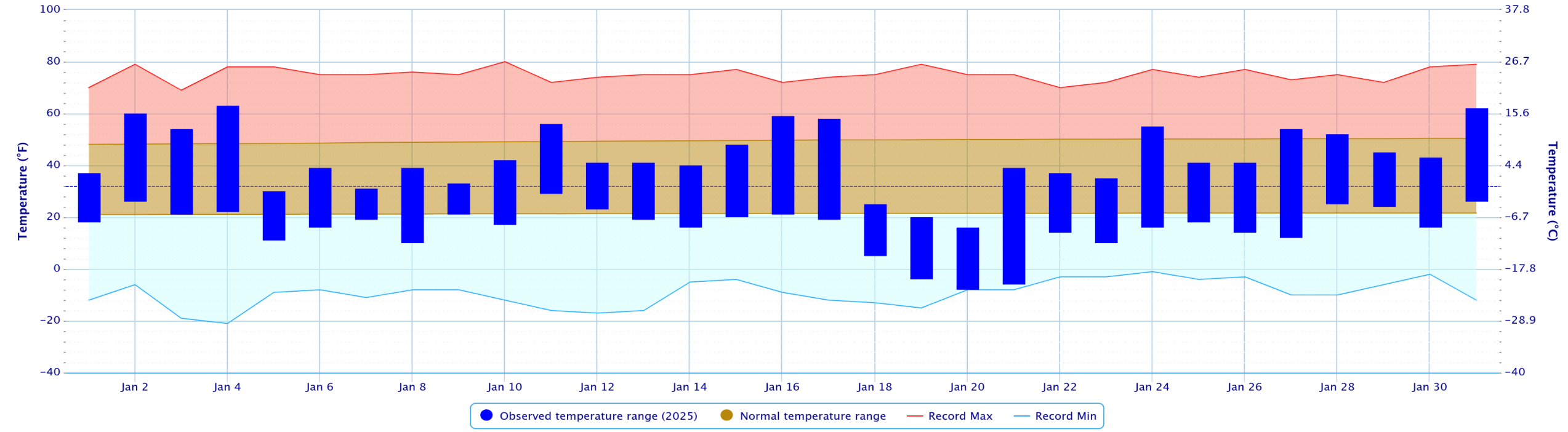
There was 1.2" of snow, compared to the normal of 1.4".



Average Temperature: 29.5°

Daily Temperature Data - Clayton Area, NM (ThreadEx)

Period of Record - 1896-02-01 to 2025-02-11. Normals period: 1991-2020. Click and drag to zoom chart.



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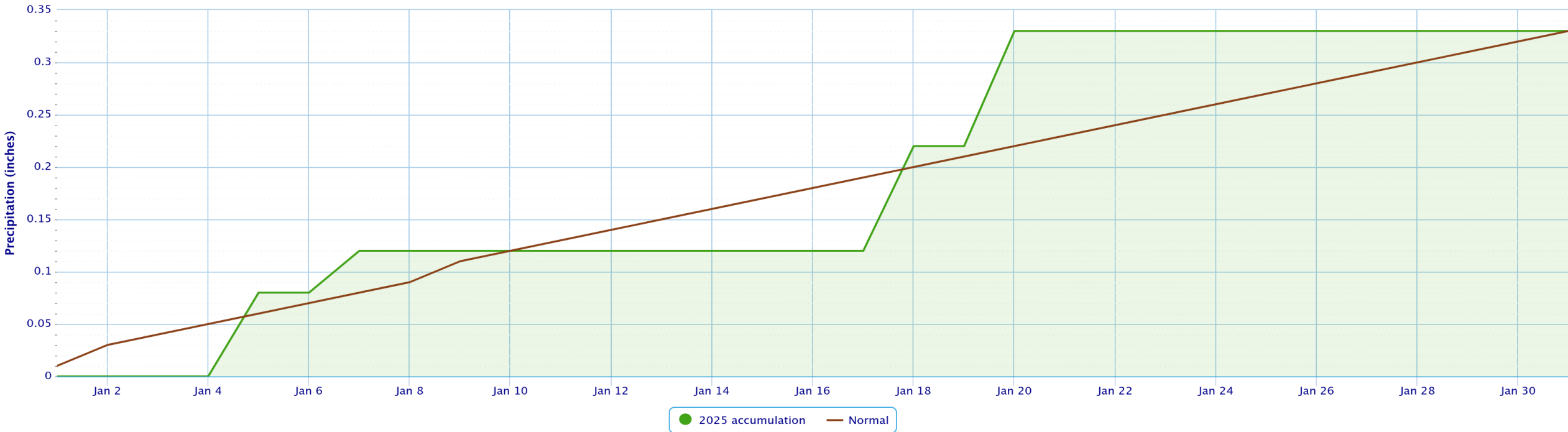
The January 2025 average temperature for Clayton was 29.5°, which was 6.0° below the normal of 35.5°. The average maximum temperature for the month was 43.1°. This was 6.4° below the normal average maximum temperature of 49.5°. The average minimum temperature for the month was 15.8°. This was 5.6° below the normal average minimum temperature of 21.4°. This ranked as the 12th coldest January on record.



Precipitation: 0.33"

Accumulated Precipitation – Clayton Area, NM (ThreadEx)

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



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The January 2025 precipitation for Clayton was 0.33", which was the same as the normal of 0.33". This ranked as the 76th driest January on record.

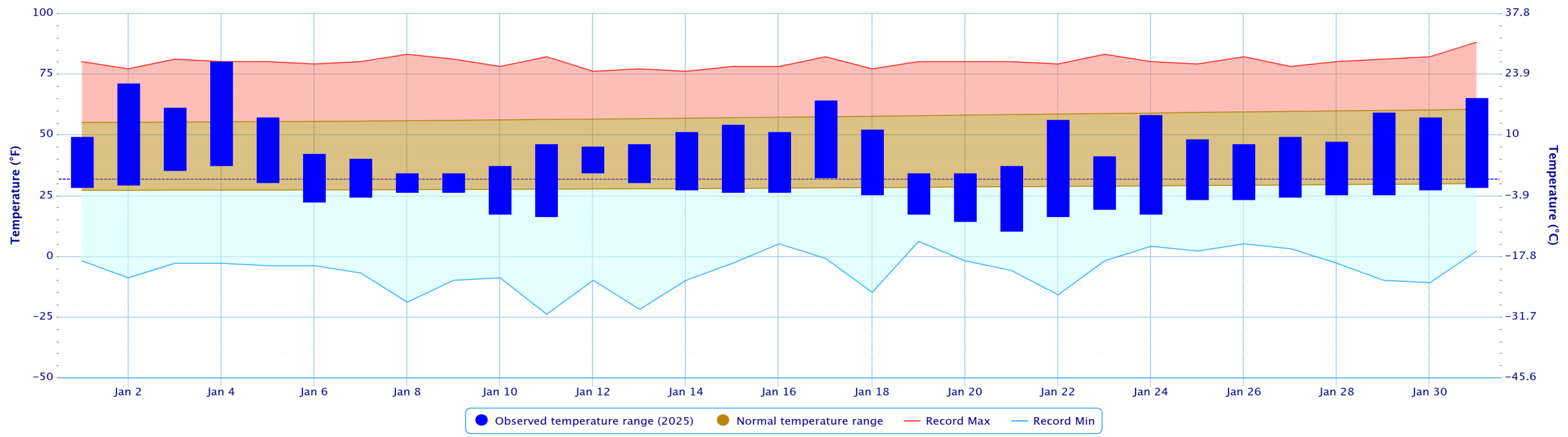
There was 5.0" of snow, compared to the normal of 3.7".



Average Temperature: 37.1°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2025-02-11; Min temperature: 1893-01-21 to 2025-02-11. Normals period: 1991-2020. Click and drag to zoom chart.



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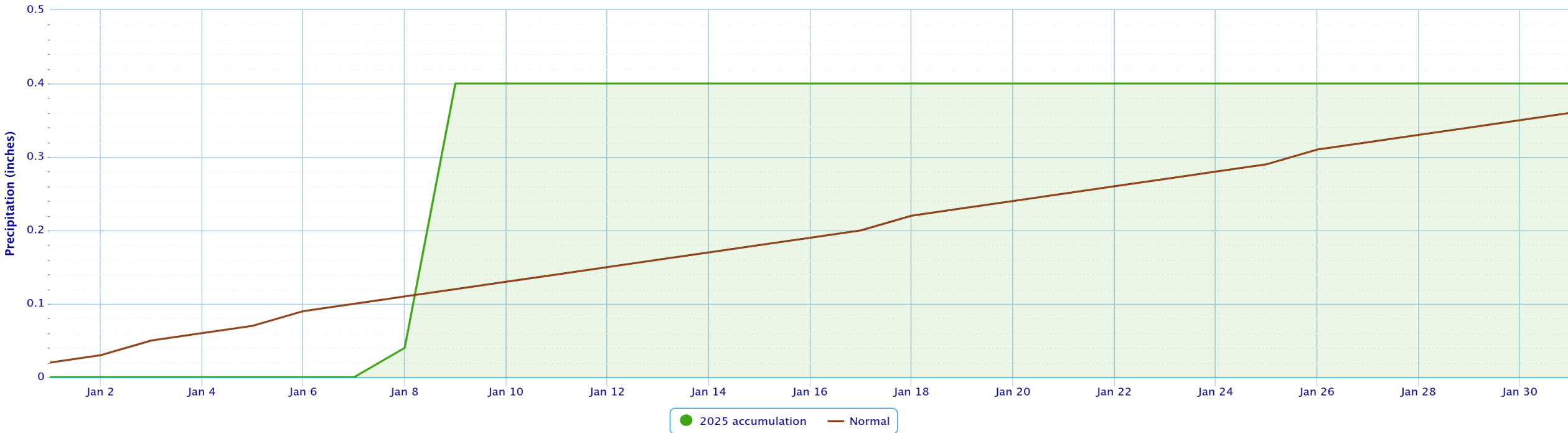
The January 2025 average temperature for Roswell was 37.1°, which was 5.6° below the normal of 42.7°. The average maximum temperature for the month was 49.8°. This was 7.5° below the average maximum temperature of 57.3°. The average minimum temperature for the month was 24.5°. This was 4.4° below the normal average minimum temperature of 28.1°. This ranked as the 27th coldest January on record.



Precipitation: 0.40"

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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










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The January 2025 precipitation for Roswell was 0.40", which was 0.04" below the normal of 0.36". This ranked as the 57th wettest January on record.

There was 4.6" of snow, compared to the normal of 2.4".



-  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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