

# January 2025 Climate & Weather Summary

Issued: February 15, 2025

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.

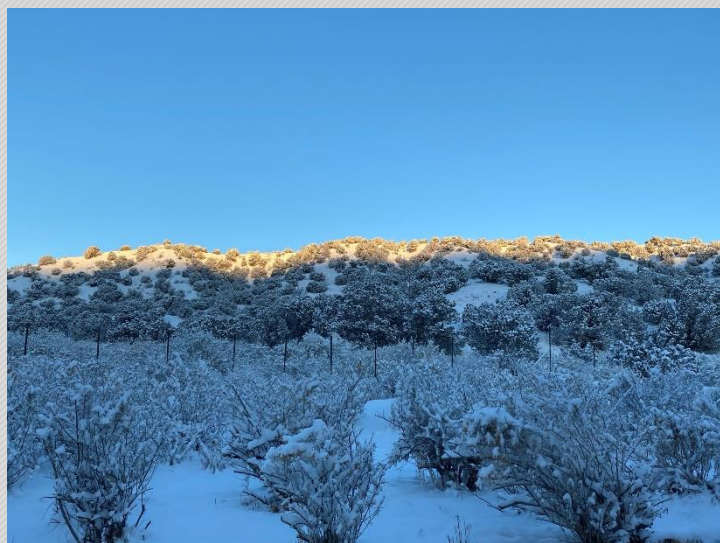


Photo courtesy Heidi  
Lamy, NM | Jan 10<sup>th</sup>



Photo courtesy Jack Hays  
Fort Sumner, NM | Jan 9<sup>th</sup>



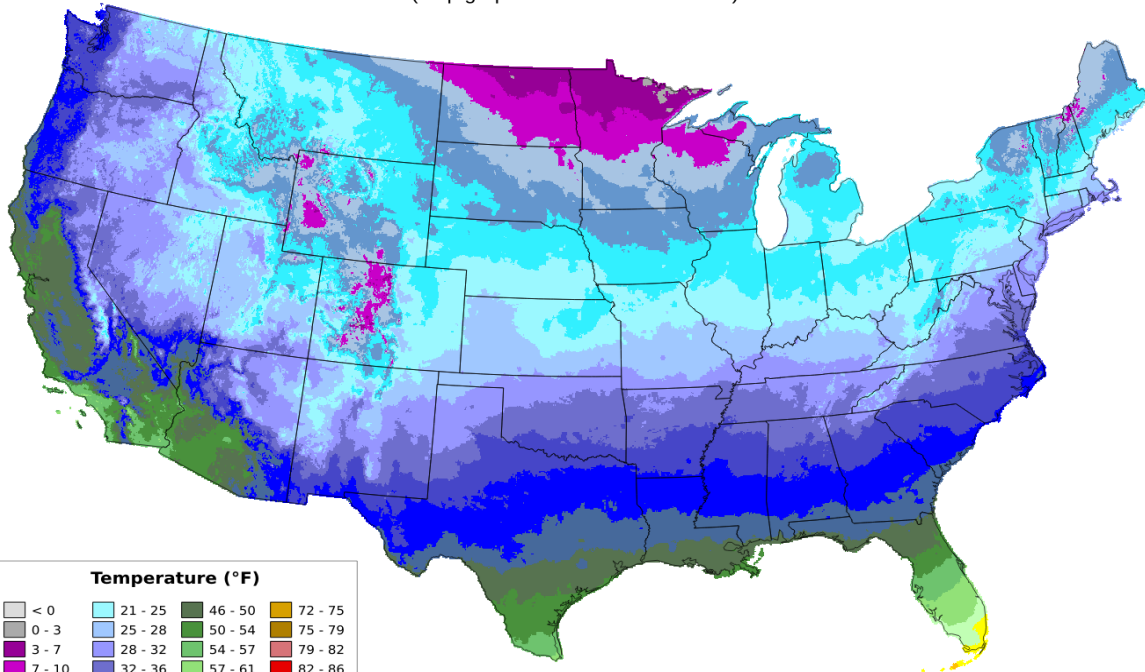
Photo courtesy Richie Martinez  
Albuquerque, NM | Jan 29<sup>th</sup>

## Temperatures

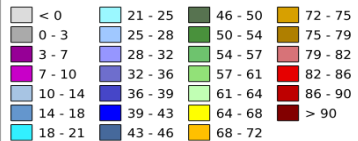
Average Daily Mean Temperature: Jan 2025

Period ending 7 AM EST 31 Jan 2025

(Map graphic created 03 Feb 2025)



### Temperature (°F)



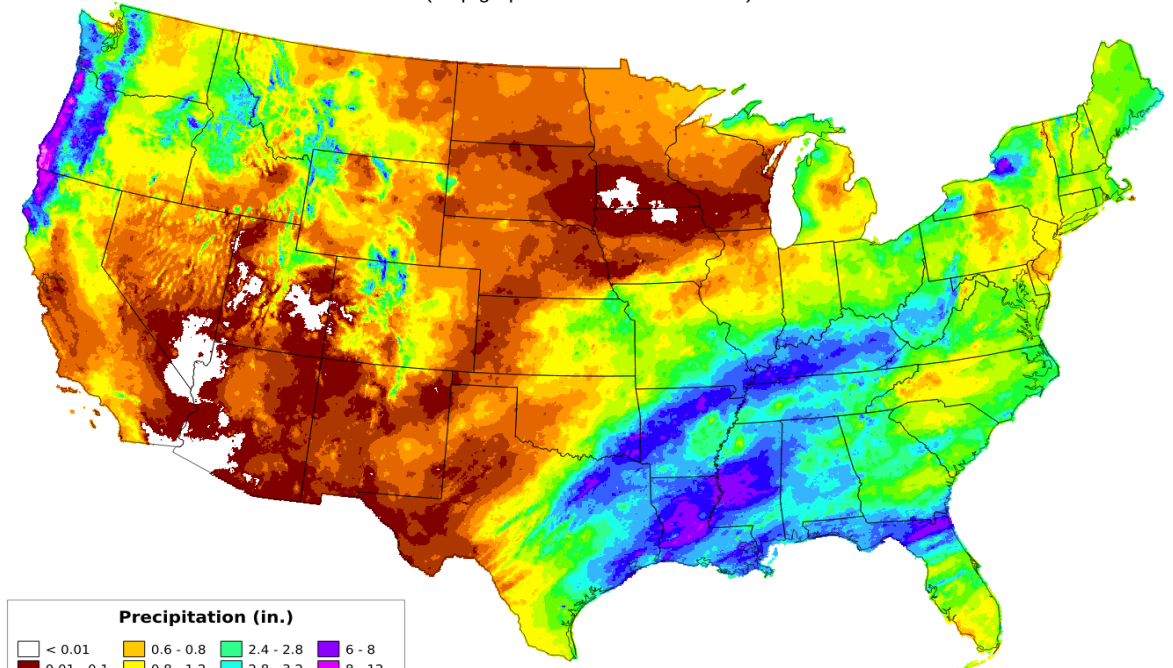
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## Precipitation

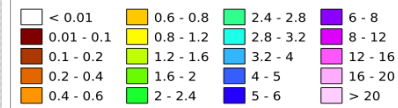
Total Precipitation: Jan 2025

Period ending 7 AM EST 31 Jan 2025

(Map graphic created 03 Feb 2025)



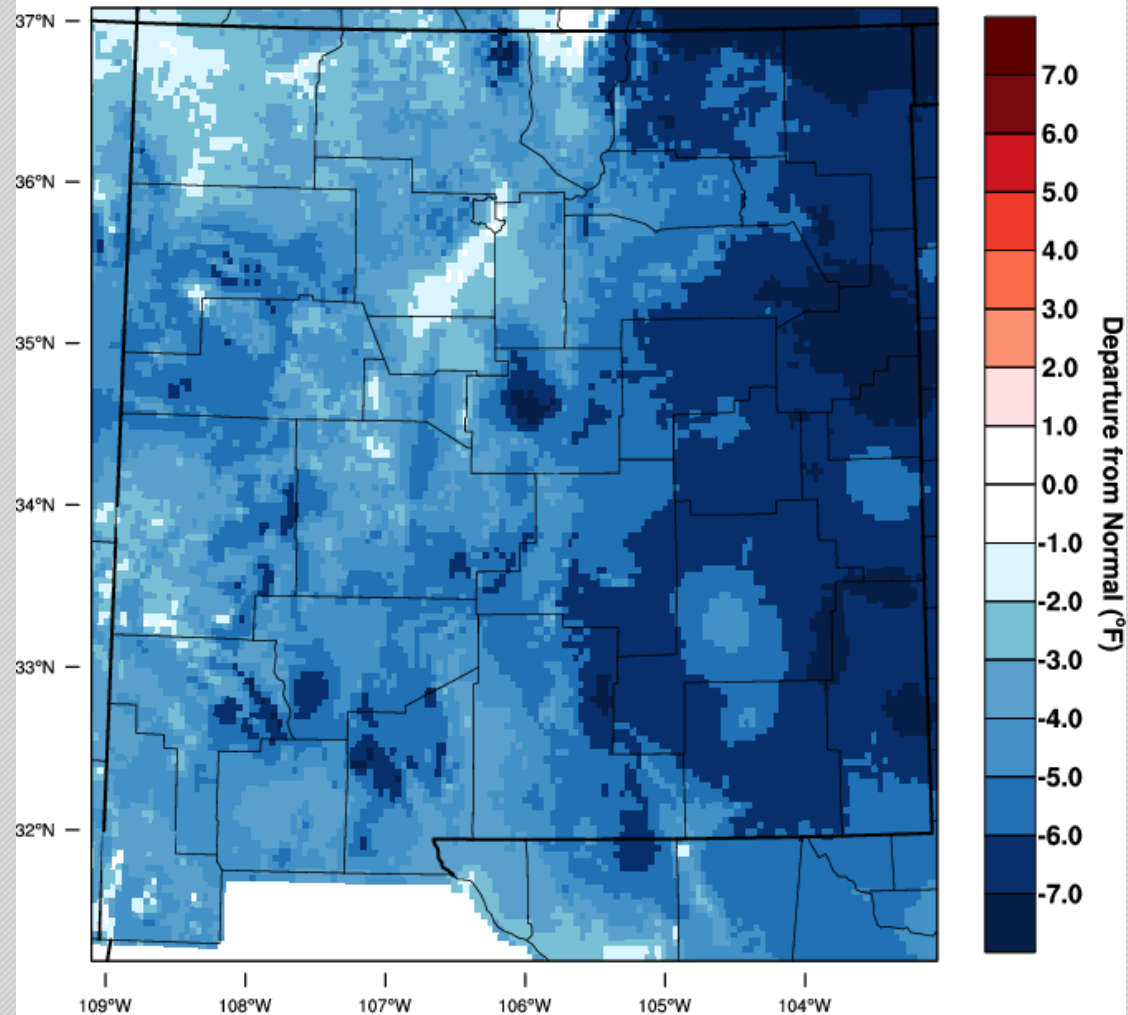
### Precipitation (in.)



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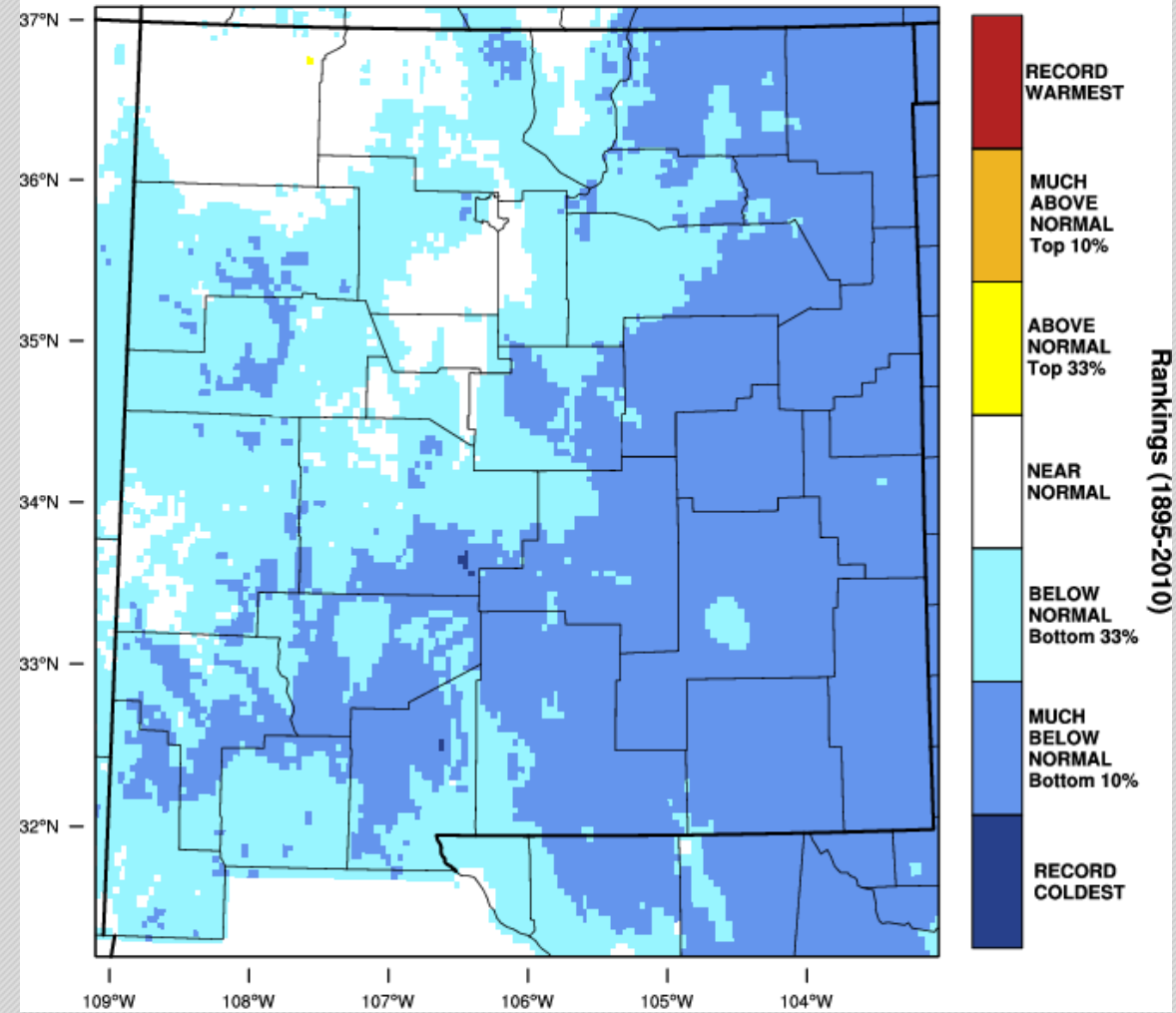
## Anomaly

January 2025 Departure from 1981-2010 Normal



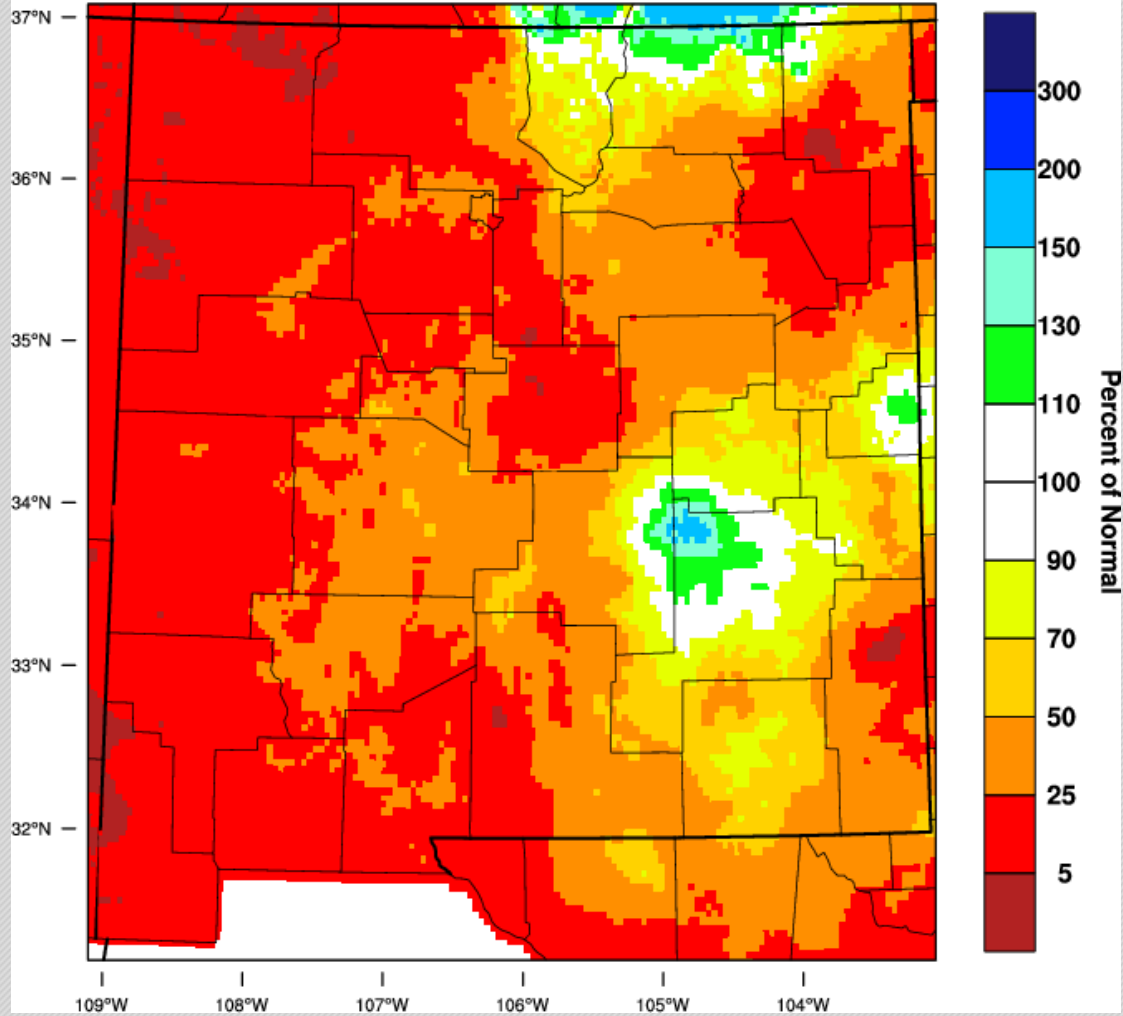
## Percentile

January 2025 Percentile



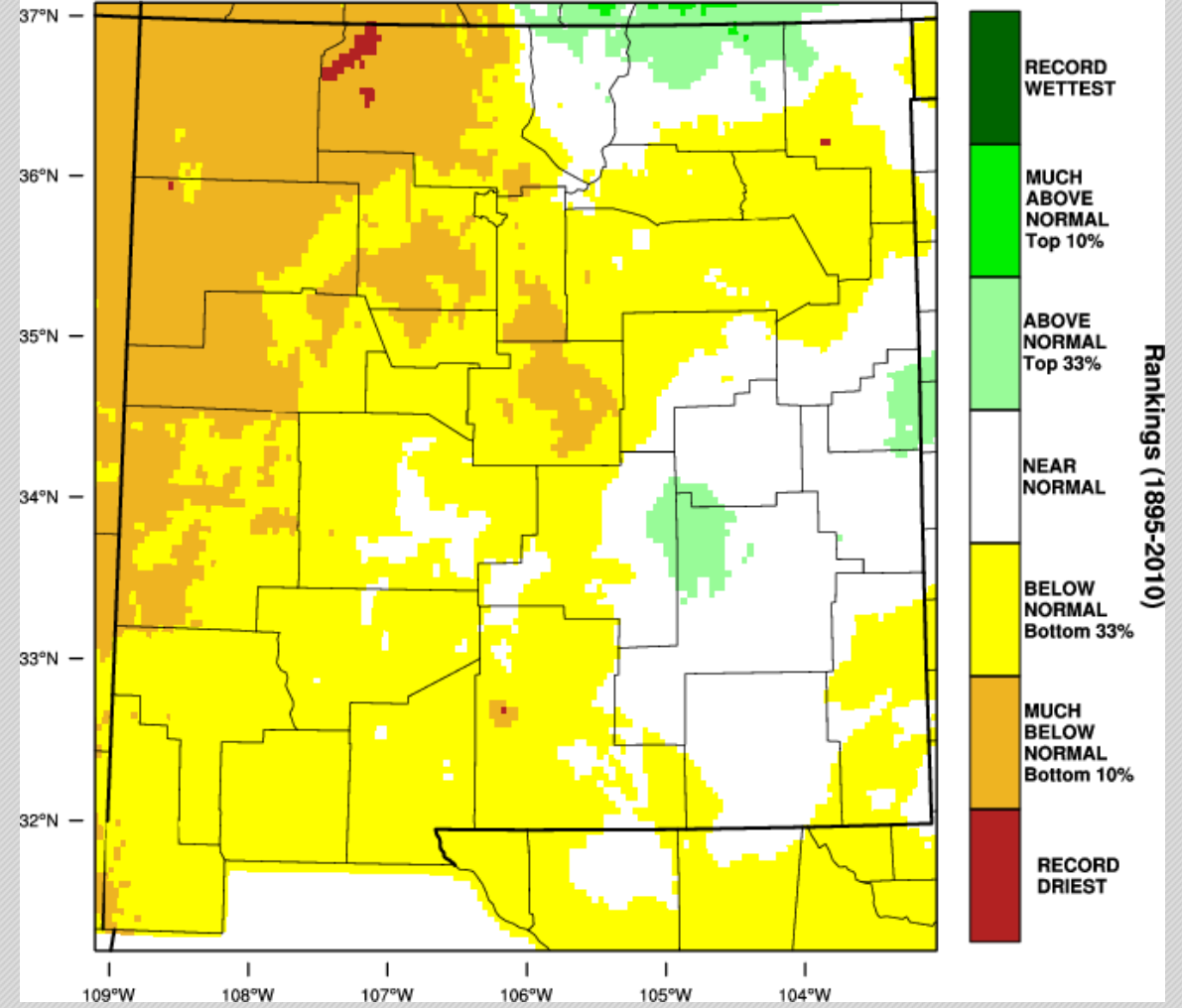
## Anomaly

January 2025 Percent of 1981-2010 Normal



## Percentile

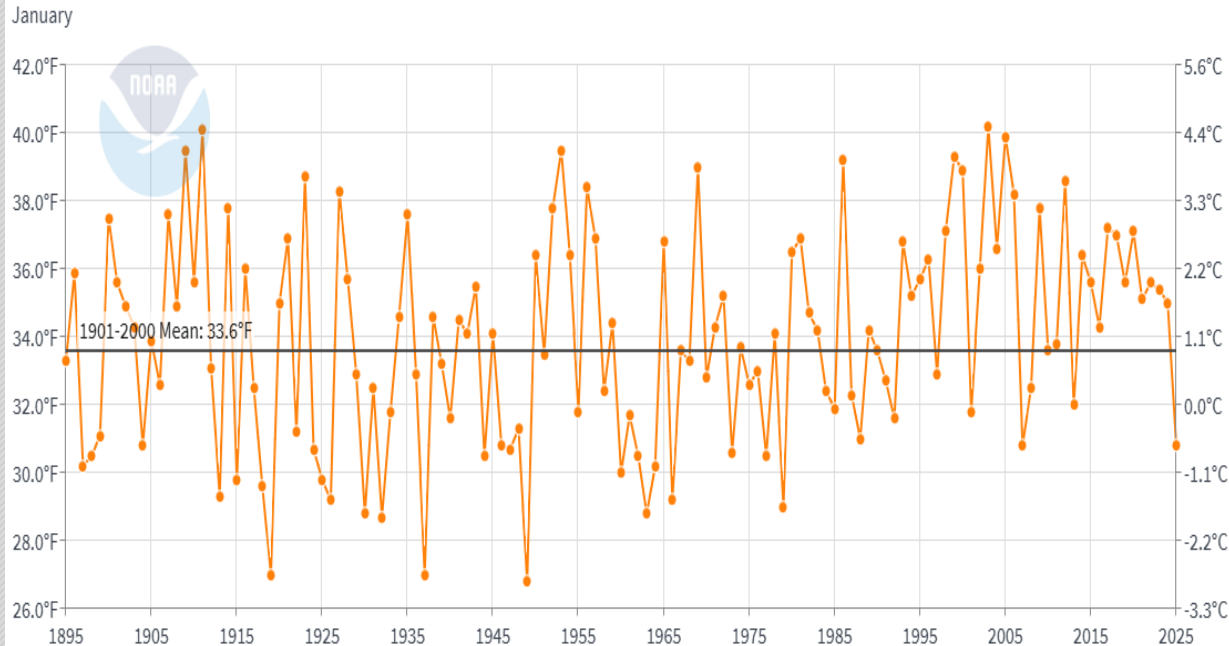
January 2025 Percentile





## Temperature

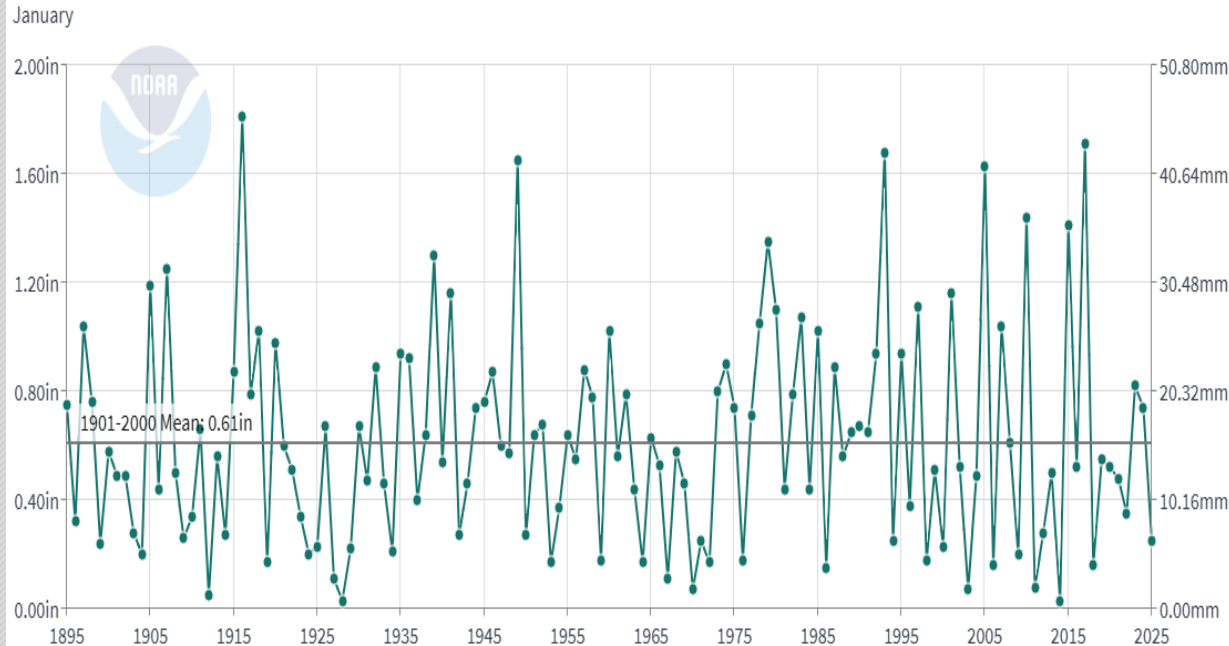
New Mexico Average Temperature



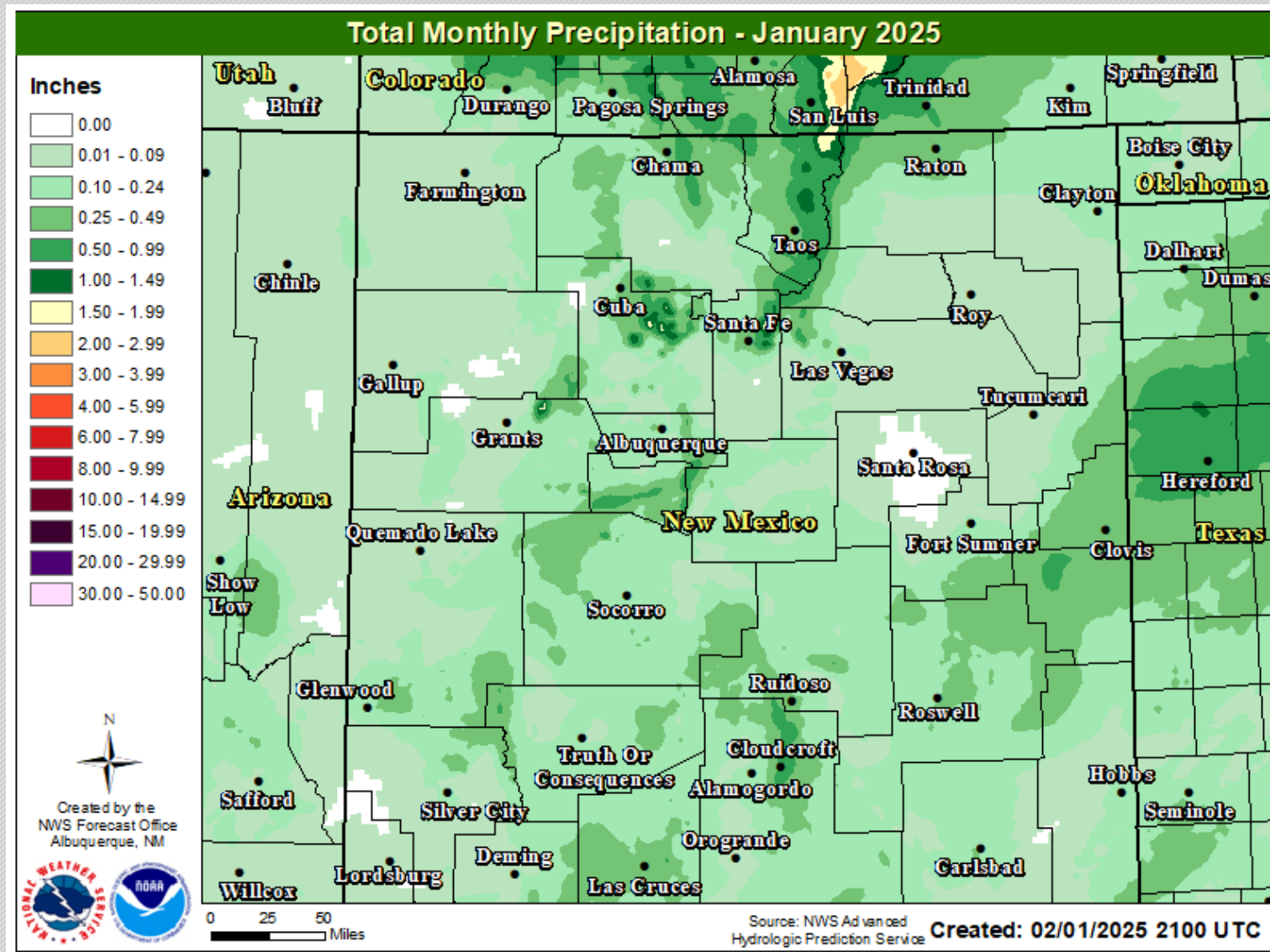
The January 2025 average statewide temperature was 30.8°, which was 2.8° below the long-term normal of 33.6° (1901-2000). This ranked as the 24<sup>th</sup> coldest January on record (1895-2025).

## Precipitation

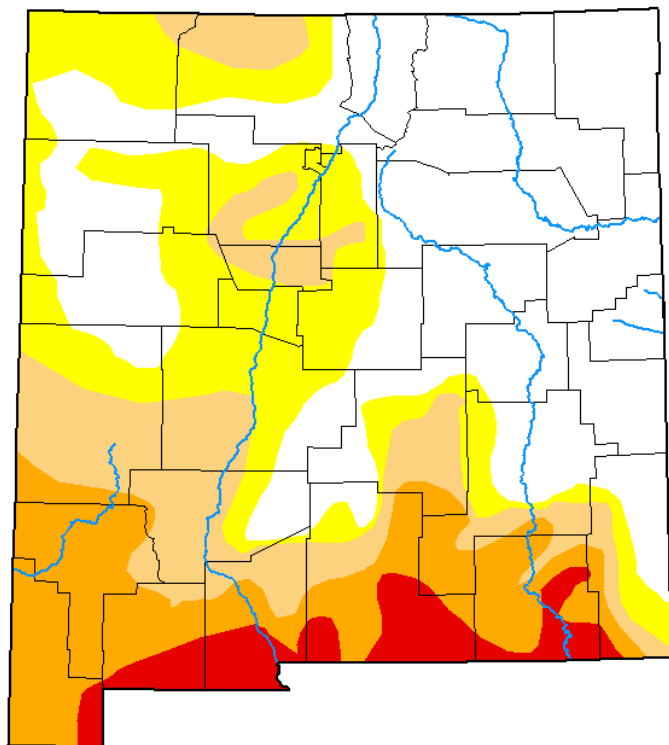
New Mexico Precipitation



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 27<sup>th</sup> 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
<b>Current</b>	43.30	56.70	35.22	19.69	5.37	0.00
<b>Last Week</b> 12-31-2024	43.74	56.26	29.19	16.25	5.19	0.00
<b>3 Months Ago</b> 10-08-2024	26.26	73.74	35.97	18.72	3.14	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> 01-09-2024	0.64	99.36	94.26	78.60	37.43	6.48

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>

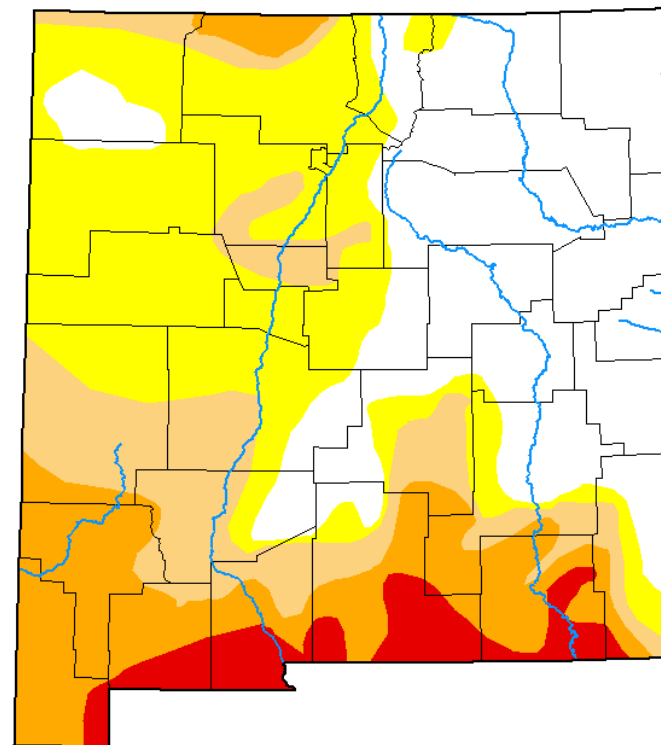
Author:

Brad Pugh  
CPC/NOAA



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

## U.S. Drought Monitor New Mexico



**January 28, 2025**

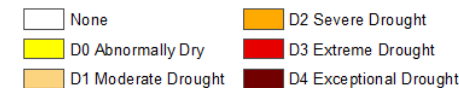
(Released Thursday, Jan. 30, 2025)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

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

Brian Fuchs  
National Drought Mitigation Center



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

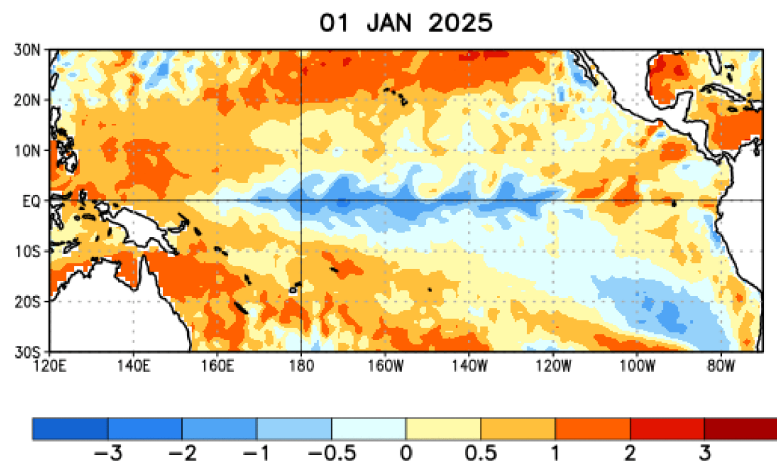


Figure 1. Average sea surface temperature (SST) anomalies ( $^{\circ}\text{C}$ ) for the week centered on 1 January 2025. Anomalies are computed with respect to the 1991-2020 base period weekly means.

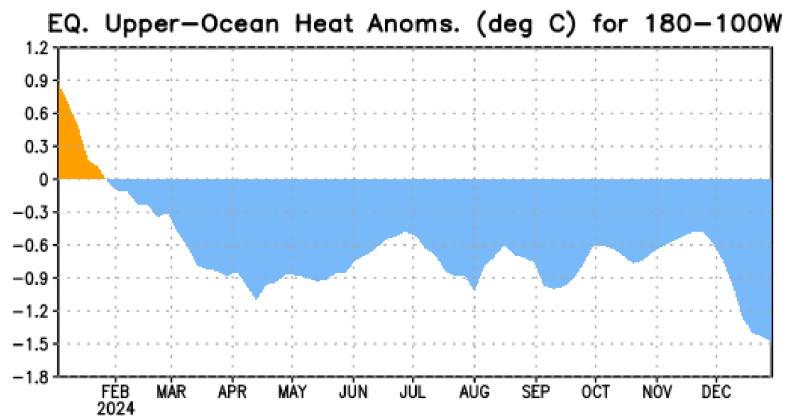


Figure 3. Area-averaged upper-ocean heat content anomaly ( $^{\circ}\text{C}$ ) in the equatorial Pacific ( $5^{\circ}\text{N}$ - $5^{\circ}\text{S}$ ,  $180^{\circ}$ - $100^{\circ}\text{W}$ ). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

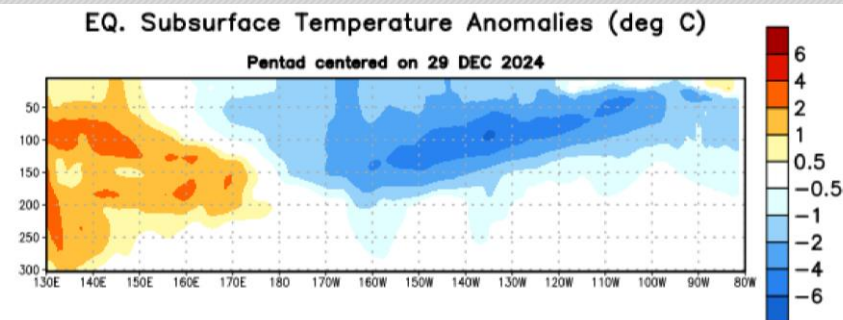


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies ( $^{\circ}\text{C}$ ) centered on the pentad of 29 December 2024. Anomalies are departures from the 1991-2020 base period pentad means.

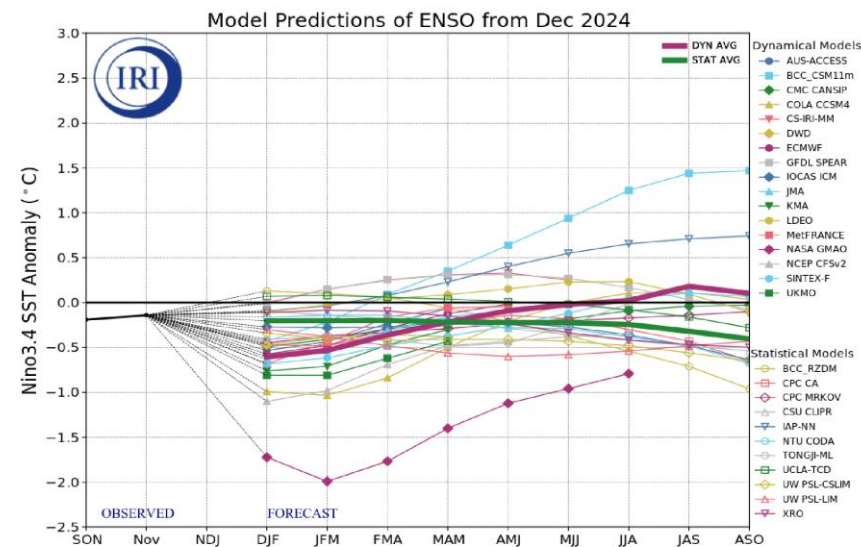
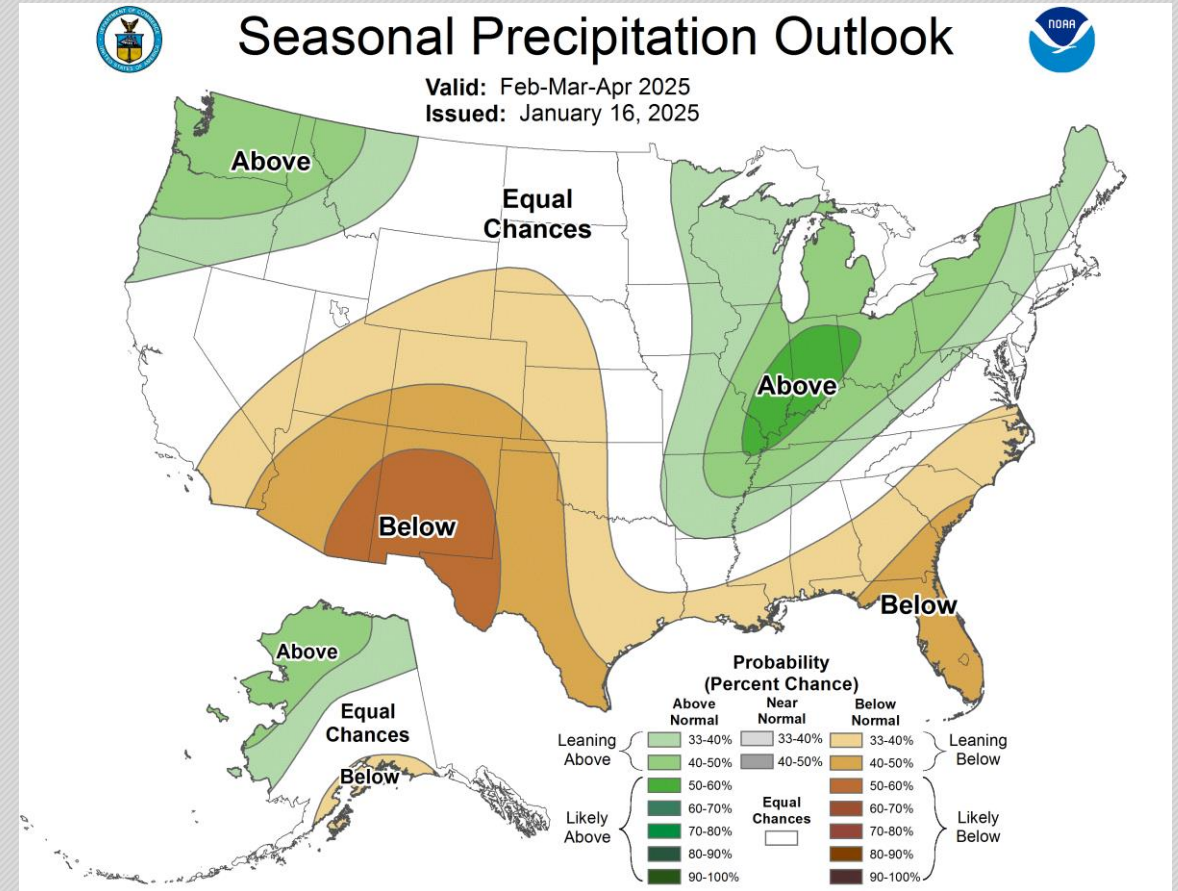
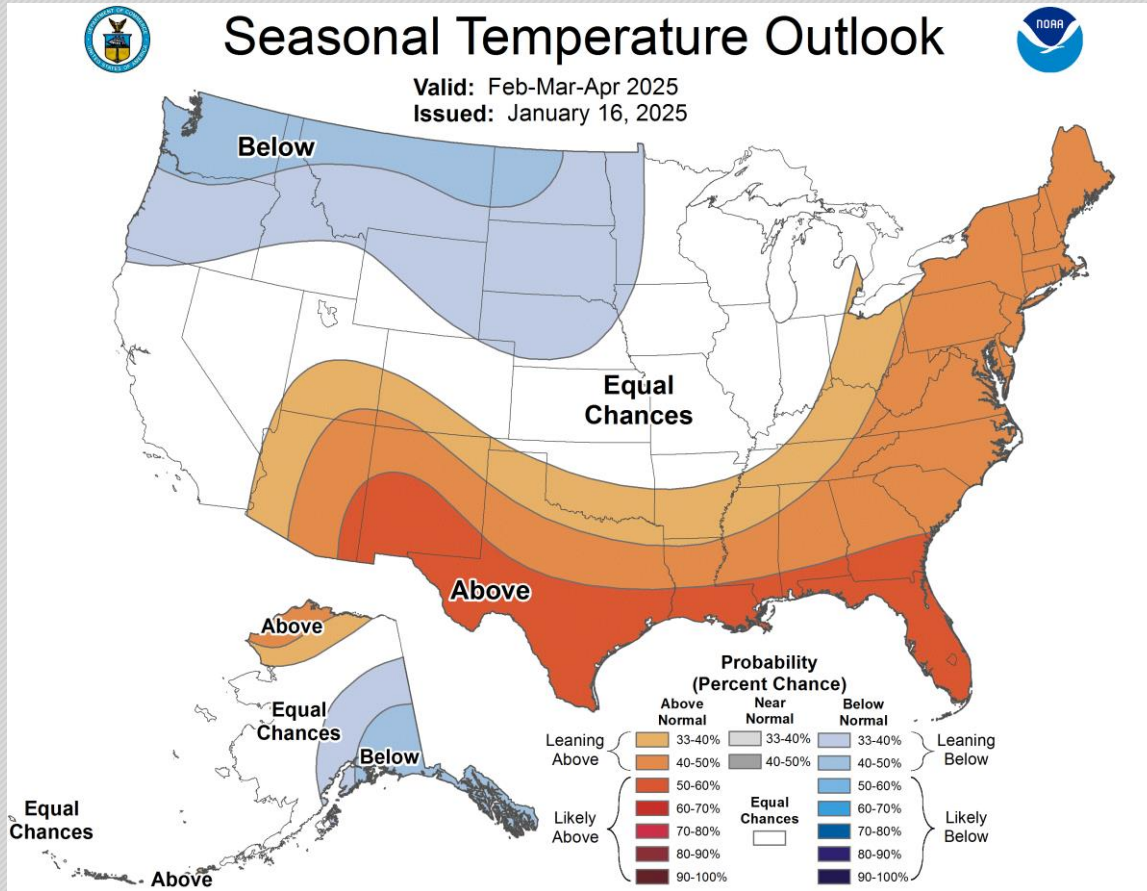


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region ( $5^{\circ}\text{N}$ - $5^{\circ}\text{S}$ ,  $120^{\circ}\text{W}$ - $170^{\circ}\text{W}$ ). Figure updated 19 December 2024 by the International Research Institute (IRI) for Climate and Society.



## Temperature February-March-April

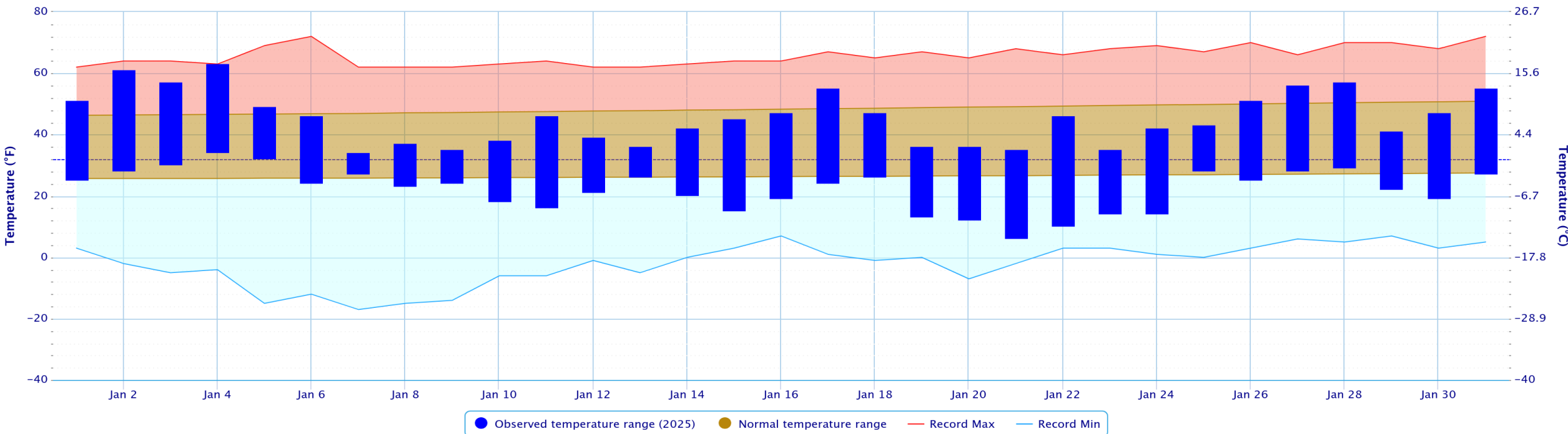
## Precipitation February-March-April



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.

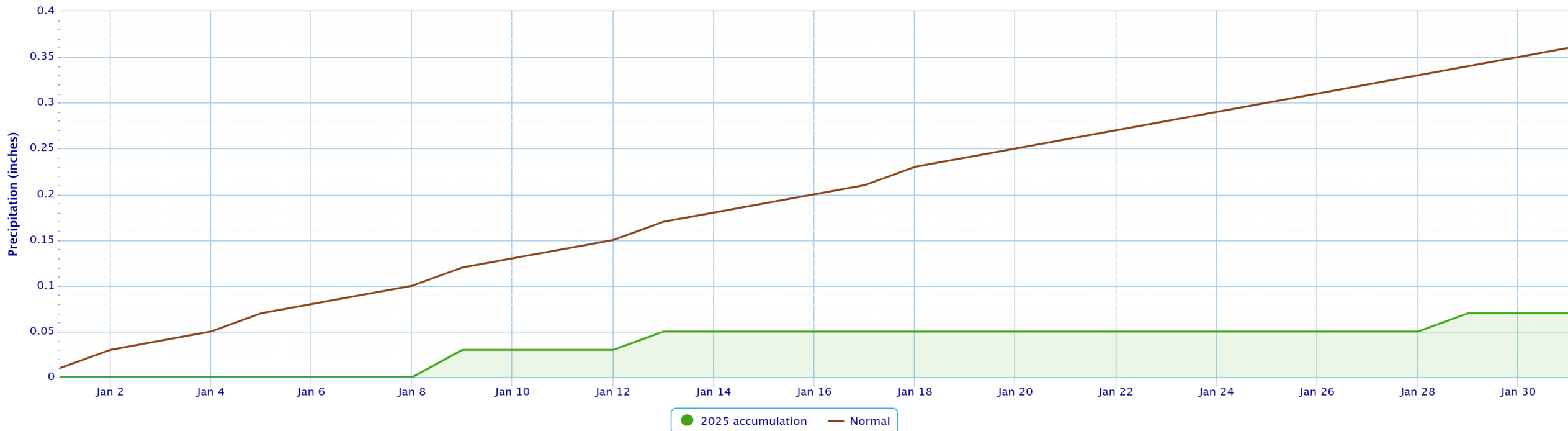


The January 2025 average temperature for Albuquerque was 33.7°, which was 3.7° below the normal of 37.4°. The average maximum temperature for the month was 45.4°. This was 3.0° below the normal average maximum temperature of 48.4°. The average minimum temperature for the month was 21.9°. This was 4.5° below the normal average minimum temperature of 26.4°. This ranked as the 45<sup>th</sup> 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



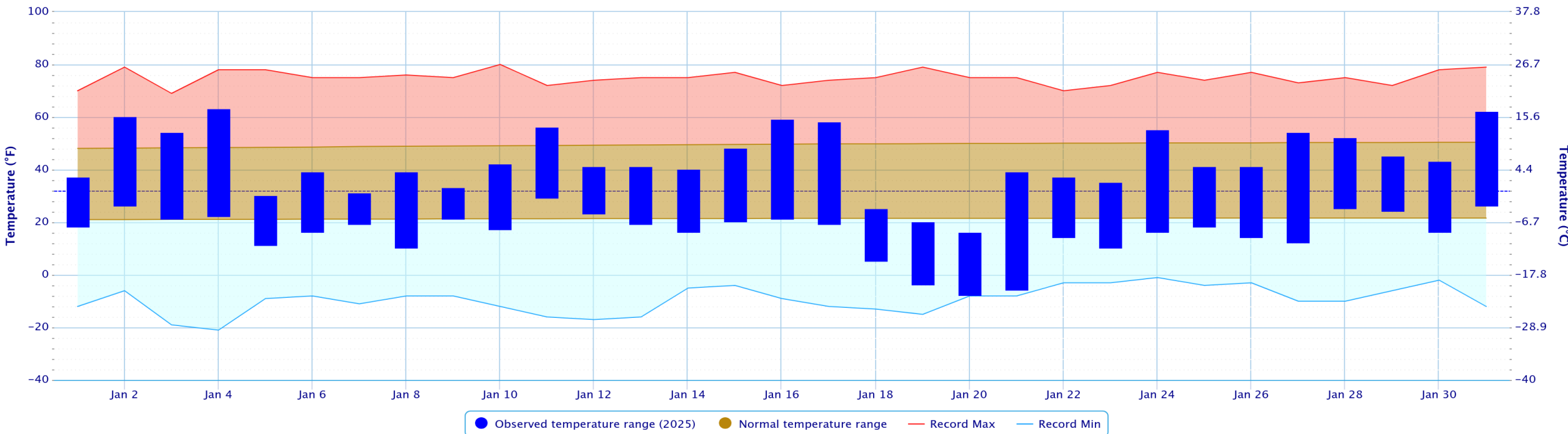
The January 2025 precipitation for Albuquerque was 0.07", which was 0.29" below the normal of 0.36". This ranked as the 29<sup>th</sup> driest January on record.

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.



Powered by ACIS

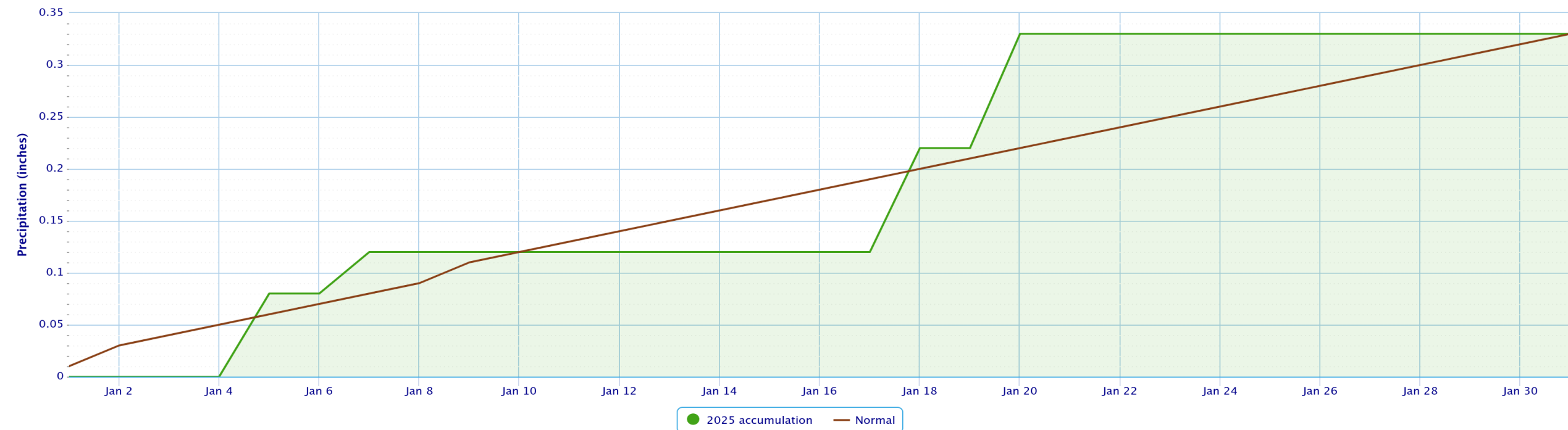
The January 2025 average temperature for Clayton was 29.5°, which was 6.0° below the normal of 35.5°. The average maximum temperature for the month was 43.1°. This was 6.4° below the normal average maximum temperature of 49.5°. The average minimum temperature for the month was 15.8°. This was 5.6° below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



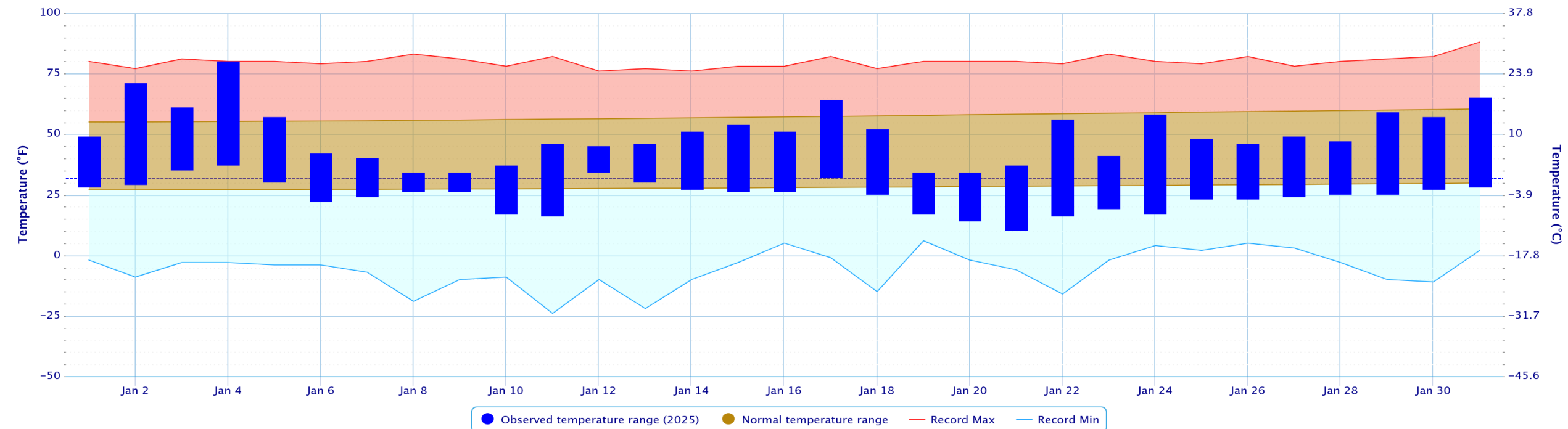
The January 2025 precipitation for Clayton was 0.33", which was the same as the normal of 0.33". This ranked as the 76<sup>th</sup> driest January on record.

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.

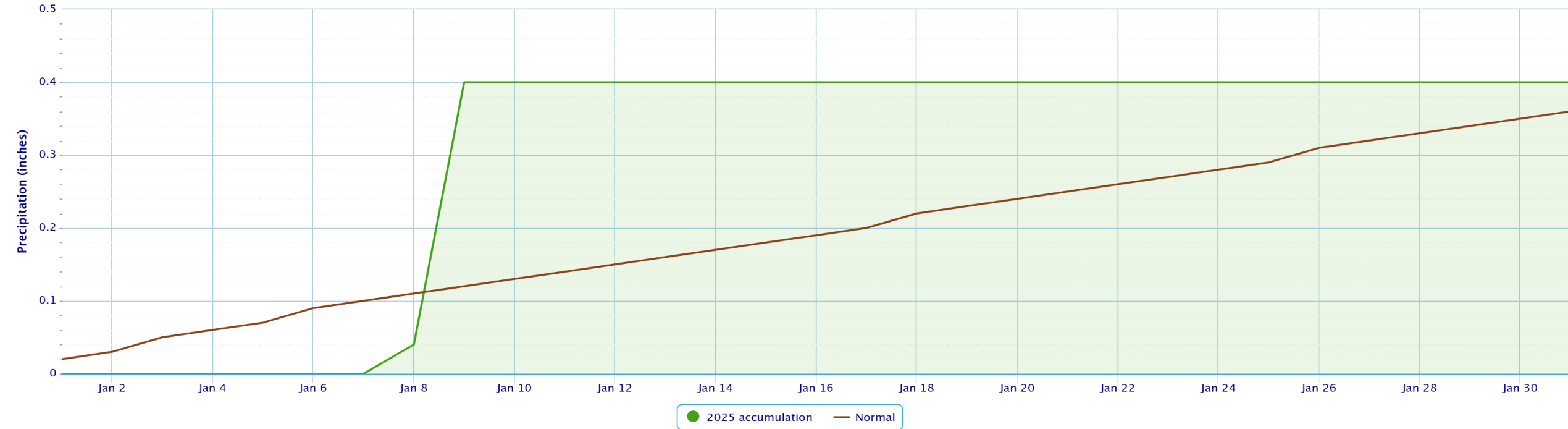


The January 2025 average temperature for Roswell was 37.1°, which was 5.6° below the normal of 42.7°. The average maximum temperature for the month was 49.8°. This was 7.5° below the average maximum temperature of 57.3°. The average minimum temperature for the month was 24.5°. This was 4.4° below the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



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

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








Event Type	Begin Date	Zone/County	Magnitude	Type	Event Narrative
High Wind	1/4/2025	South Central Mountains	58	Gust	Peak wind gusts of 67 mph were observed at the Nogal and 62 mph at Sierra Blanca Airport.
High Wind	1/4/2025	Central Highlands	50	Gust	A brief high wind gust of 58 mph was observed at Clines Corners.
Winter Weather	1/5/2025	Johnson And Bartlett Mesas Including Raton Pass			U.S. Highway 64/87 running through the zone was closed due to snow and ice.
Winter Weather	1/5/2025	Union County			U.S. Highway 64/87 from Des Moines to Clayton was closed due to snow and ice.
Heavy Snow	1/9/2025	South Central Highlands			A trained spotter 9 miles east northeast of Claunch measured 8 inches of snowfall.
Heavy Snow	1/9/2025	South Central Mountains	2-10"		Sierra Blanca SNOTEL to Alto and Ruidoso.
Heavy Snow	1/9/2025	Quay County	7.5"		McAlister to House.
Heavy Snow	1/9/2025	De Baca County	5"		Fort Sumner area.
Heavy Snow	1/9/2025	Roosevelt County	6"		Portales area.
Heavy Snow	1/9/2025	Curry County	6.5"		Clovis area.
Heavy Snow	1/9/2025	Chaves County Plains	8.5"		Ramon area.
Heavy Snow	1/9/2025	Eastern Lincoln County	9"		Corona area.
Heavy Snow	1/9/2025	Southwest Chaves County	4"		Elk.
High Wind	1/9/2025	Johnson And Bartlett Mesas Including Raton Pass	56	Gust	I-25 at Raton Pass measured wind gusts at 65 mph with blowing snow and low visibility.
High Wind	1/9/2025	Far Northeast Highlands	60	Gust	Peak wind gusts to 69 mph observed at Raton Crew Airport. Near ground blizzard closed U.S. 56 from Springer to Clayton.
High Wind	1/9/2025	Northeast Highlands	51	Gust	A brief high wind gust of 59 mph was observed at Las Vegas Municipal Airport.
High Wind	1/9/2025	Union County	56	Gust	High wind gusts of up to 64 mph observed near Clayton. Near ground blizzard closed U.S. 64/87 from Des Moines to Clayton.
High Wind	1/17/2025	Central Highlands	60	Gust	Clines Corners observed high wind gusts peaking at 69 mph.
High Wind	1/17/2025	Guadalupe County	58	Gust	Vaughn observed high wind gusts of at least 67 mph.
High Wind	1/17/2025	Curry County	55	Gust	A mesonet station in Clovis observed high wind gusts peaking at 63 mph.
High Wind	1/17/2025	Roosevelt County	51	Gust	The West Texas Mesonet station in Dora observed high wind gusts peaking at 59 mph.
High Wind	1/17/2025	De Baca County	56	Gust	The mesonet station east of Fort Sumner observed high wind gusts peaking at 65 mph.
Dust Storm	1/17/2025	Chaves County Plains			Blowing dust resulted in the brief closure of the Roswell Relief Route from Sunset Avenue to Brasher Road.
High Wind	1/17/2025	South Central Mountains	52	Gust	The mesonet in Nogal observed high wind gusts peaking at 60 mph.
High Wind	1/22/2025	Northeast Highlands	56	Gust	A mountain wave crashing to the surface resulting in a brief 64 mph wind gust at the Las Vegas Municipal Airport.
Heavy Snow	1/29-1/30/2025	Tusas Mountains Including Chama	11"		Bateman SNOTEL.
Heavy Snow	1/29-1/30/2025	Northern Sangre De Cristo Mountains	10-17"		Near Arroyo Seco.
Heavy Snow	1/29-1/30/2025	Southern Sangre De Cristo Mountains	21"		Ski Santa Fe area.
Heavy Snow	1/29-1/30/2025	Upper Rio Grande Valley	5-15"		San Cristobal area.

\*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/>



Event Type	Begin Date	Zone/County	Magnitude	Type	Event Narrative
Tornado	1/29/2025	Bernalillo			Landspout tornado near 98th St and I-40.
High Wind	1/30/2025	Curry County	52	Gust	A brief 60 mph wind gust was measured by a mesonet station on the north end of Clovis.
High Wind	1/30/2025	Guadalupe County	58	Gust	Vaughn measured wind gusts of at least 67 mph.
Winter Weather	1/20/2025	Quay County			A snow squall resulted in visibility below a quarter of a mile near Tucumcari and Ragland.
Extreme Cold/Wind Chill	1/21/2025	West Central Plateau			Wind chills as low as -22 degrees.
Extreme Cold/Wind Chill	1/21/2025	West Central Mountains			Wind chills as low as -29 degrees.
Extreme Cold/Wind Chill	1/21/2025	West Central Highlands			Wind chills as low as -22 degrees.
Extreme Cold/Wind Chill	1/21/2025	Southwest Mountains			Wind chills as low as -11 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Glorieta Mesa Including Glorieta Pass			Wind chills as low as -12 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Northern Sangre De Cristo Mountains			Wind chills as low as -28 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	East Slopes Sangre De Cristo Mountains			Wind chills as low as -41 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Santa Fe Metro Area			Wind chills as low as -20 degrees.
Extreme Cold/Wind Chill	1/21/2025	Lower Rio Grande Valley			Wind chills as low as -9 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Sandia/Manzano Mountains Including Edgewood			Wind chills as low as -15 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Estancia Valley			Wind chills as low as -27 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Central Highlands			Wind chills as low as -17 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	South Central Highlands			Wind chills as low as -17 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Upper Tularosa Valley			Wind chills as low as -14 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	South Central Mountains			Wind chills as low as -8 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Johnson And Bartlett Mesas Including Raton Pass			Wind chills as low as -27 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Far Northeast Highlands			Wind chills as low as -35 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Northeast Highlands			Wind chills as low as -30 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Union County			Wind chills as low as -25 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Harding County			Wind chills as low as -36 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Guadalupe County			Wind chills as low as -22 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Quay County			Wind chills as low as -19 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Curry County			Wind chills as low as -14 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Roosevelt County			Wind chills as low as -14 degrees.
Extreme Cold/Wind Chill	1/21/2025	Eastern Lincoln County			Wind chills as low as -14 degrees.
Extreme Cold/Wind Chill	1/20-1/21/2025	Southwest Chaves County			Wind chills as low as -27 degrees.

\*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/>
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