

2024 Annual Climate Summary

Overview*



2024 was the 2nd warmest on record for New Mexico and the 44th driest on record.

2024	Average T	Delta	Rank	Average Max T	Delta	Rank	Average Min T	Delta	Rank	Total Precipitation	Delta	Rank	Period of Record (years)**
Contiguous U.S.	55.5°	+2.2°	1 st Warmest	67.4°	+2.3°	2 nd Warmest	43.6°	+2.2°	1 st Warmest	31.58"	+0.28"	29 th Wettest	130
New Mexico	56.3°	+1.8°	2 nd Warmest	71.4°	+1.9°	4 th Warmest	41.2°	+1.8°	1 st Warmest	12.85"	-0.90"	44 th Driest	130
Albuquerque	60.0°	+2.0°	2 nd Warmest	72.8°	+2.5°	1 st Warmest	47.2°	+1.6°	2 nd Warmest	6.96"	-1.89"	27 th Driest	93
Clayton	56.5°	+2.2°	3 rd Warmest	70.2°	+1.5°	7 th Warmest (T)	42.7°	+2.8°	3 rd Warmest	14.51"	-1.61"	55 th Driest	95
Roswell	65.8°	+2.6°	1 st Warmest	80.4°	+2.6°	4 th Warmest	51.1°	+2.4°	1 st Warmest	14.99"	+3.37"	30 th Wettest	75

*Updated 2/2/2025: Departures from normal now use the more recent 30-year base period from 1991 to 2020. (T) is for a tie. All data is considered preliminary until final certification at the National Centers for Environmental Information (NCEI). **Data, rankings, and period of record now align with those assigned by NCEI. Albuquerque has 93 years of annual temperature and precipitation data. Roswell has 75 years of annual temperature and 76 years of annual precipitation data. Clayton has 95 years of annual temperature and 108 years of annual precipitation data utilizing the ACIS database with 10 days or less of missing annual data. ACIS and NCEI databases may differ for ThreadX sites.

2024 Annual Climate Summary

Photos



Baseball Hail Cannon AFB | May 29, 2024
Courtesy Ruthann Kelly



CMV Blown Over U.S. 285 near Roswell | February 3, 2024
Courtesy Berrendo Fire Dept



Epic Hailstorm & Flood near Willard | June 19, 2024
Courtesy Mikes Blue_Sky_Productions_Utah



Heavy Snowfall near Rociada | March 17, 2024
Courtesy Elizabeth Morse via Facebook



I-40 Pileup near Continental Divide | January 4, 2024
Courtesy Curt Largo via Facebook

2024 Annual Climate Summary

Photos

Weather Forecast Office
Albuquerque, NM
Issued February 2, 2025 2:44 PM MST



Flash Flood near Sapello | August 8, 2024
Courtesy Dannette Lucero



Bandelier Flash Flood Damage | September 5, 2024
Courtesy Bandelier National Monument



Tornado Clines Corners | September 21, 2024
Courtesy "Stephen"



Flash Flood Ruidoso Downs | July 20, 2024
Courtesy Jake Canavan



Blizzard U.S. 56 Northeast NM | November 7, 2024
Courtesy Mark Rowley NMSP



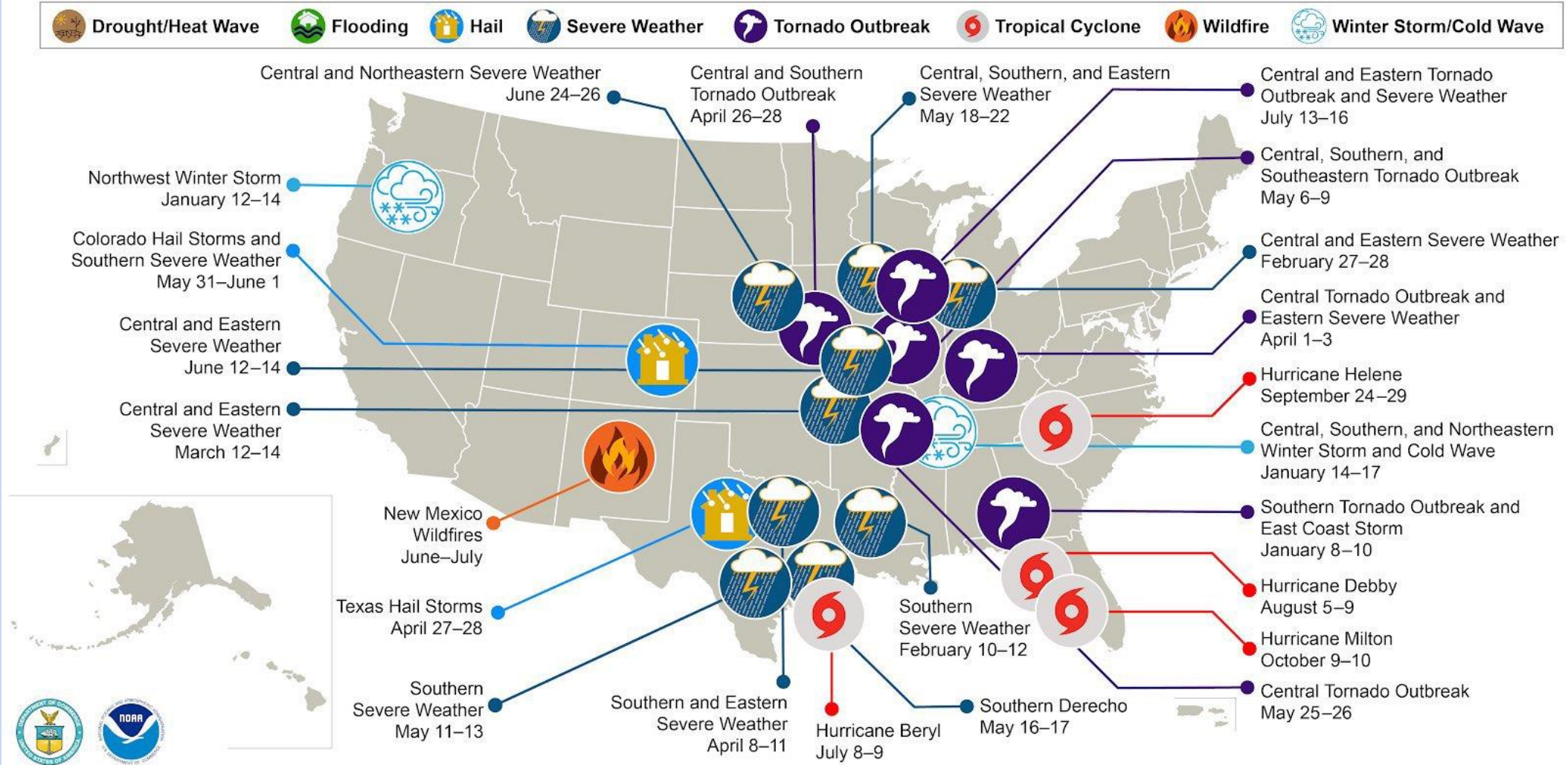
Roswell Flood | October 20, 2024
Courtesy Raelynn Rosy Wilkinson



NWS Albuquerque

weather.gov/abq

U.S. 2024 Billion-Dollar Weather and Climate Disasters



This map denotes the approximate location for each of the **24 separate billion-dollar weather and climate disasters** that impacted the United States through October 2024.

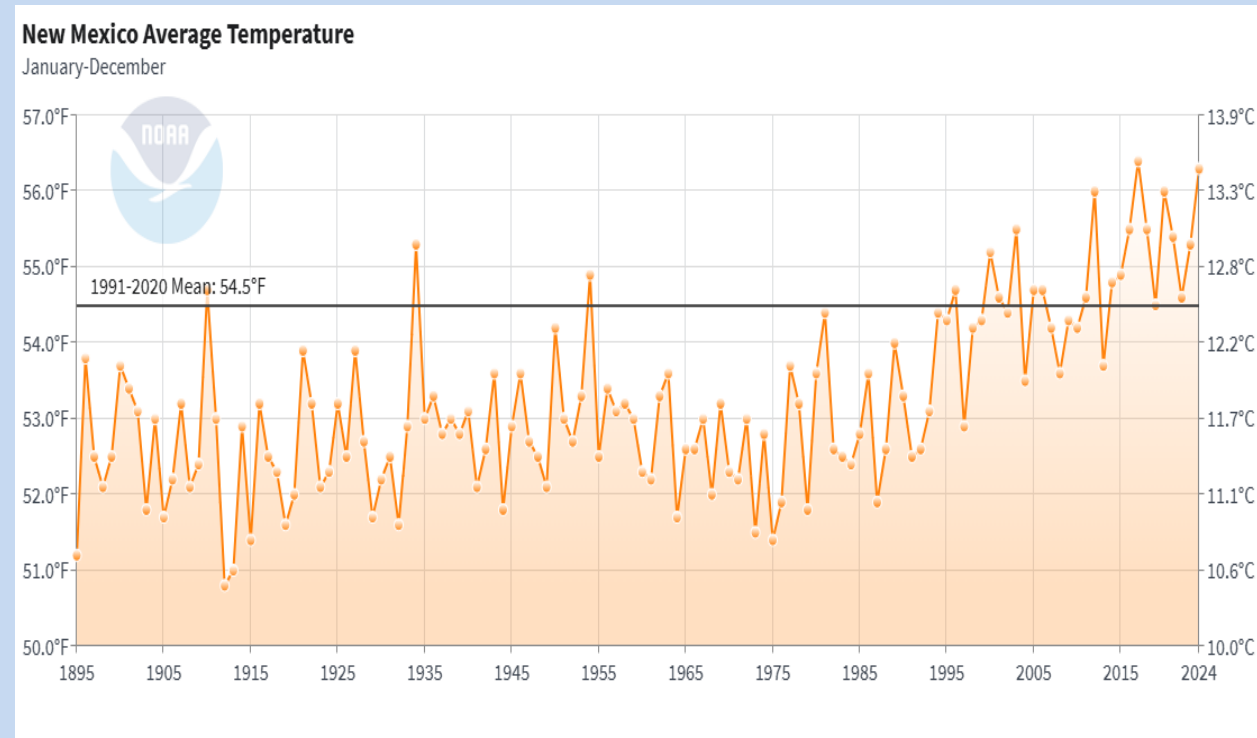
2024 Annual Climate Summary

Statewide Average Temperature & Precipitation Trends

Weather Forecast Office
Albuquerque, NM
Issued February 2, 2025 2:44 PM MST

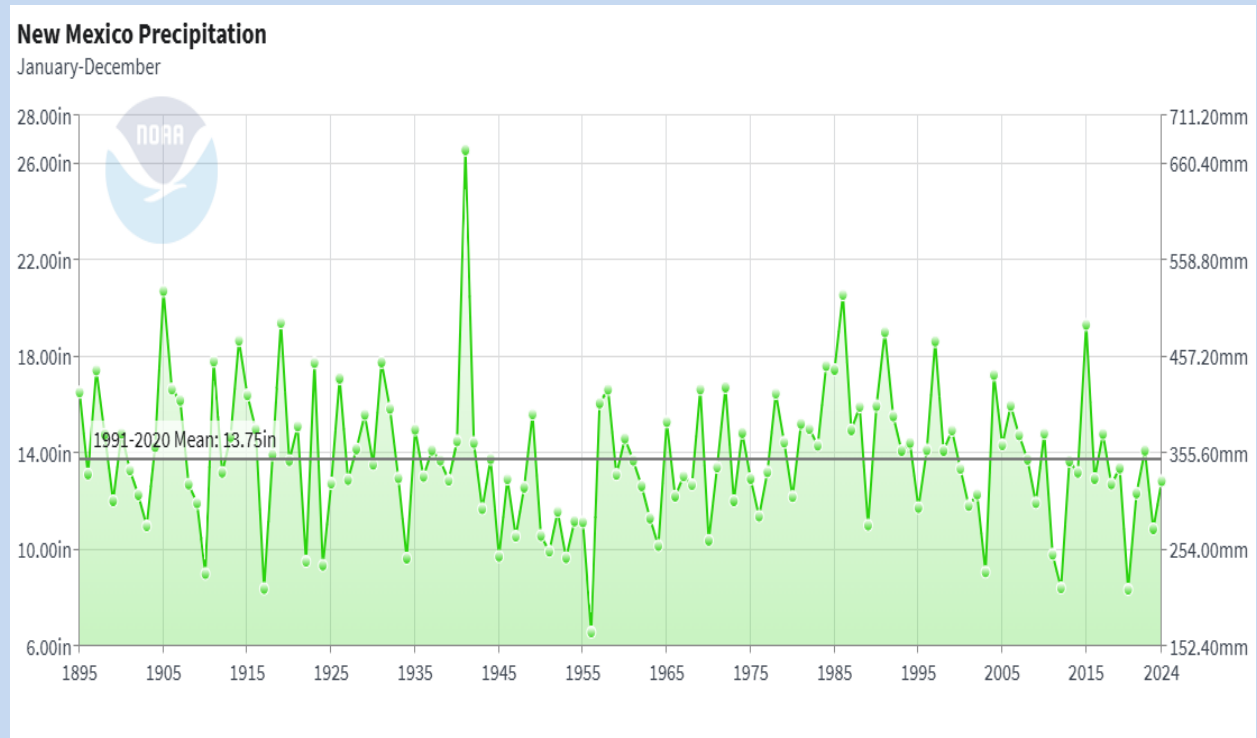


Average Temperature



The average statewide temperature was 56.3° which was 1.8° above the 30-year normal of 54.5° (1991-2020). This ranks as the 2nd warmest year on record for New Mexico (1895-2024).

Precipitation



The average statewide precipitation was 12.85" which was 0.90" below the 30-year normal of 13.75" (1991-2020). This ranks as the 44th driest year on record for New Mexico (1895-2024).

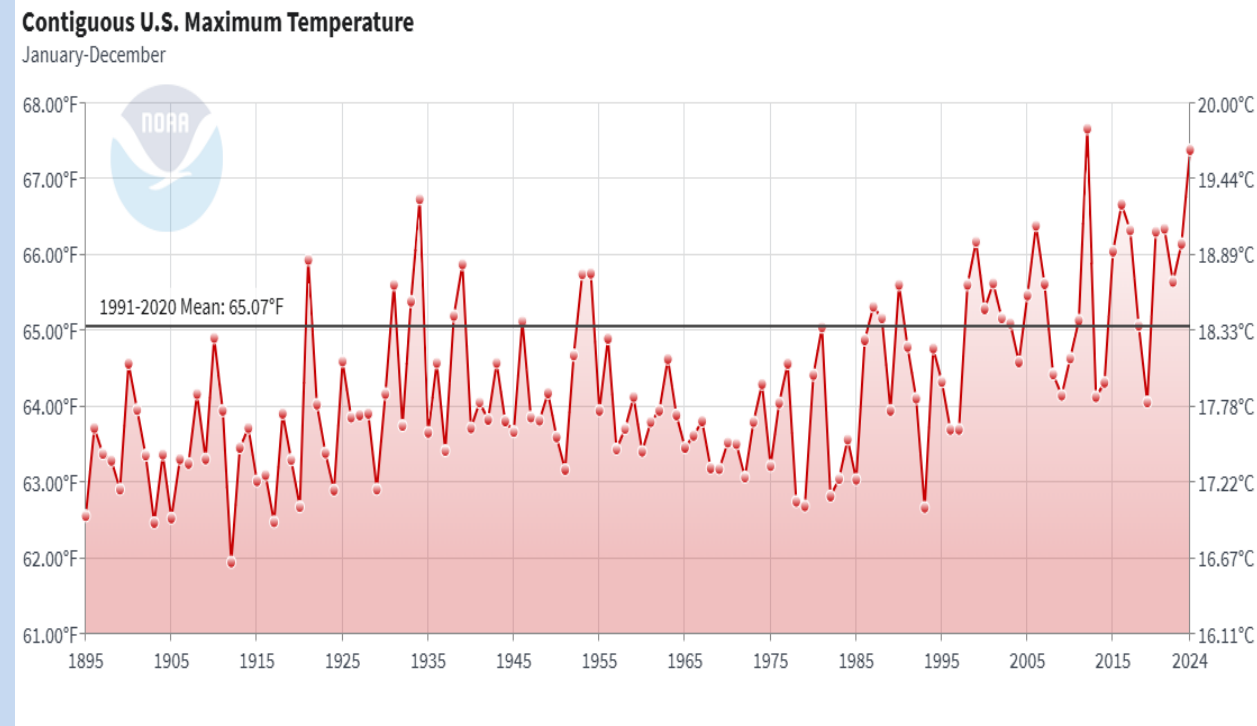
2024 Annual Climate Summary

Statewide Average Maximum & Average Minimum Temperatures

Weather Forecast Office
Albuquerque, NM
Issued February 2, 2025 2:44 PM MST

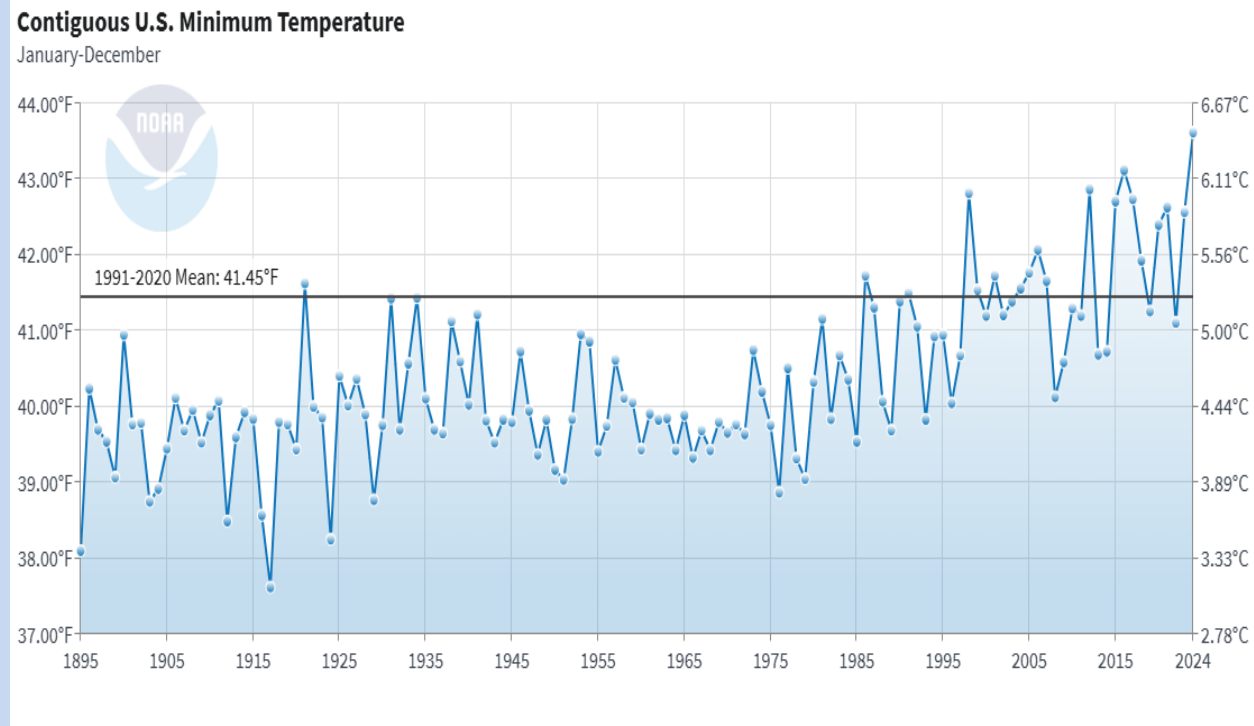


Average Maximum Temperature



The statewide average maximum temperature was 71.4° which was 1.9° above the 30-year normal of 69.5° (1991-2020). This ranks as the 4th warmest year on record for average maximum temperature for New Mexico (1895-2024).

Average Minimum Temperature



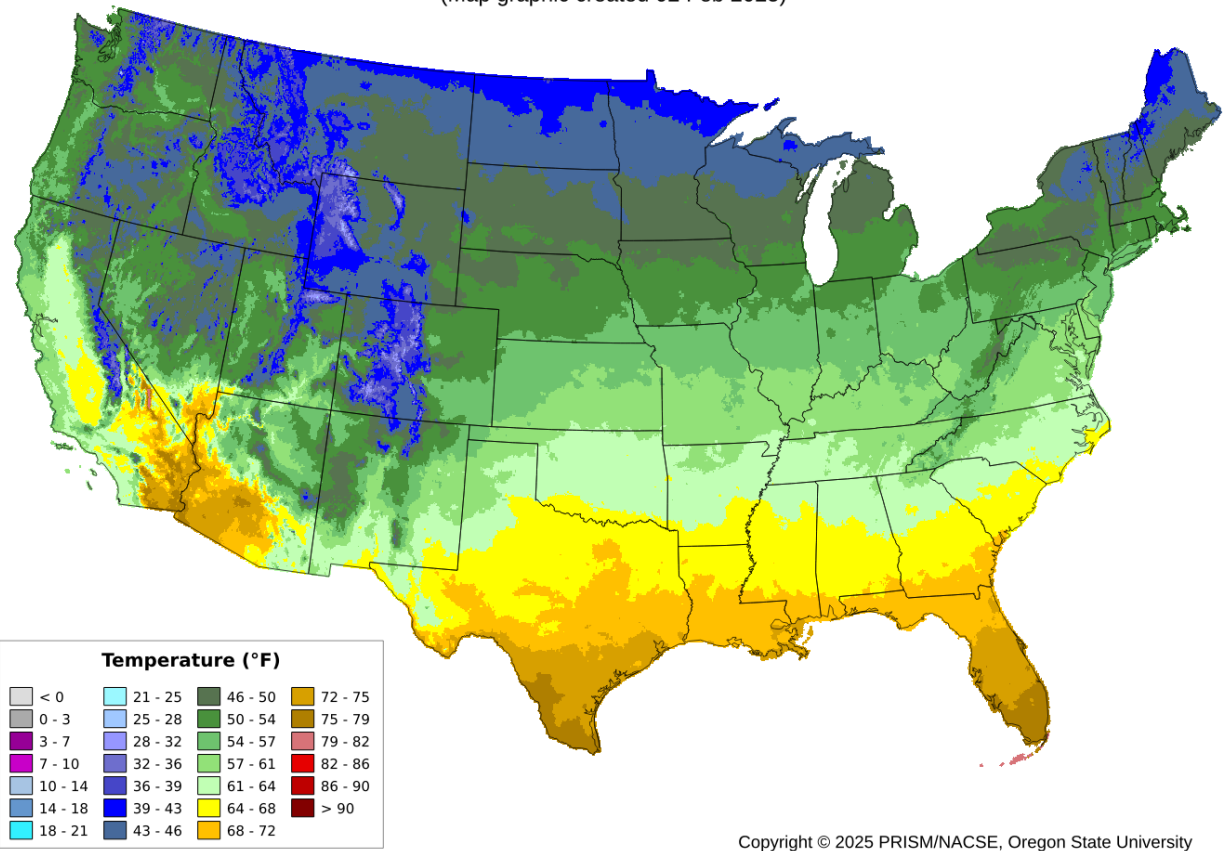
The statewide average minimum temperature was 41.2° which was 1.8° above the 30-year normal of 39.4° (1991-2020). This ranks as the **warmest** year on record for average minimum temperature for New Mexico (1895-2024).



Actual

Average Annual Mean Temperature: 2024

Period ending 7 AM EST 31 Dec 2024
(Map graphic created 02 Feb 2025)

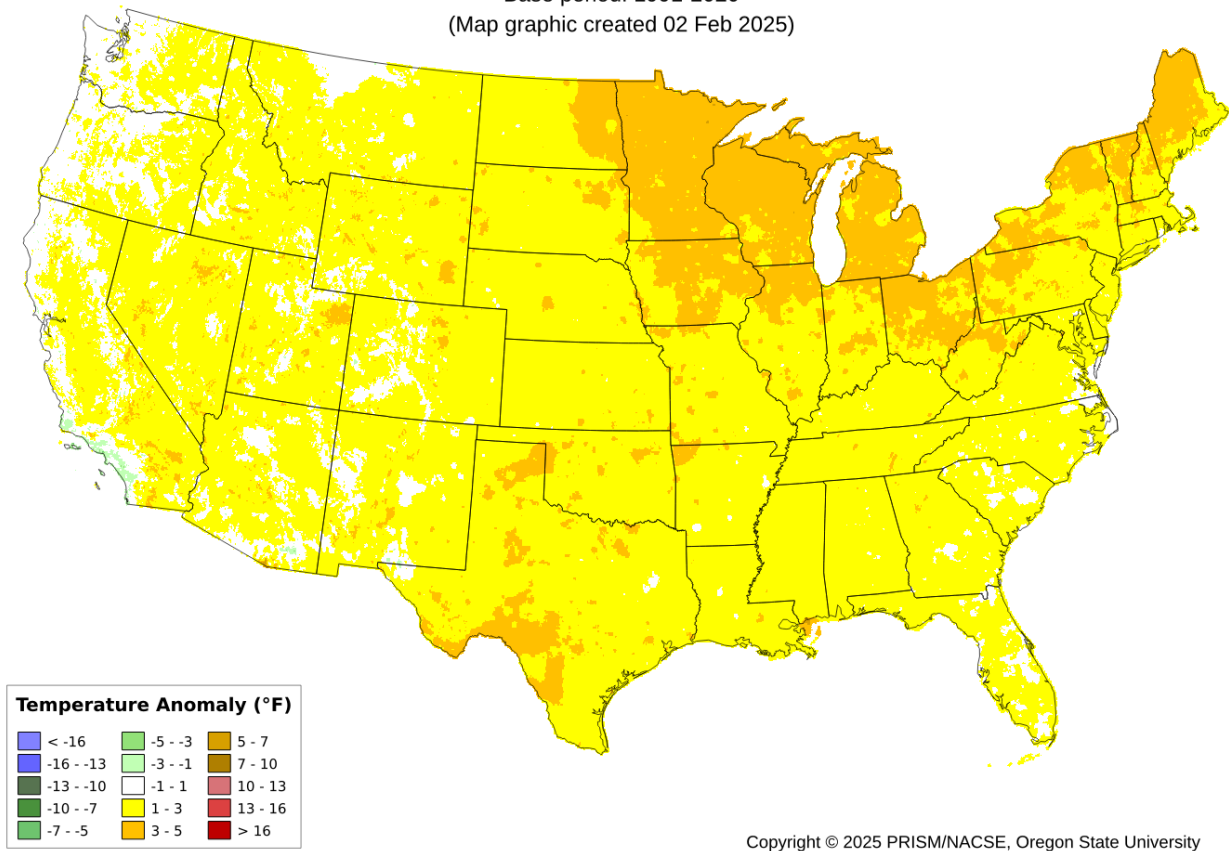


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Anomaly

Annual Daily Mean Temperature Anomaly: 2024

Period ending 7 AM EST 31 Dec 2024
Base period: 1991-2020
(Map graphic created 02 Feb 2025)



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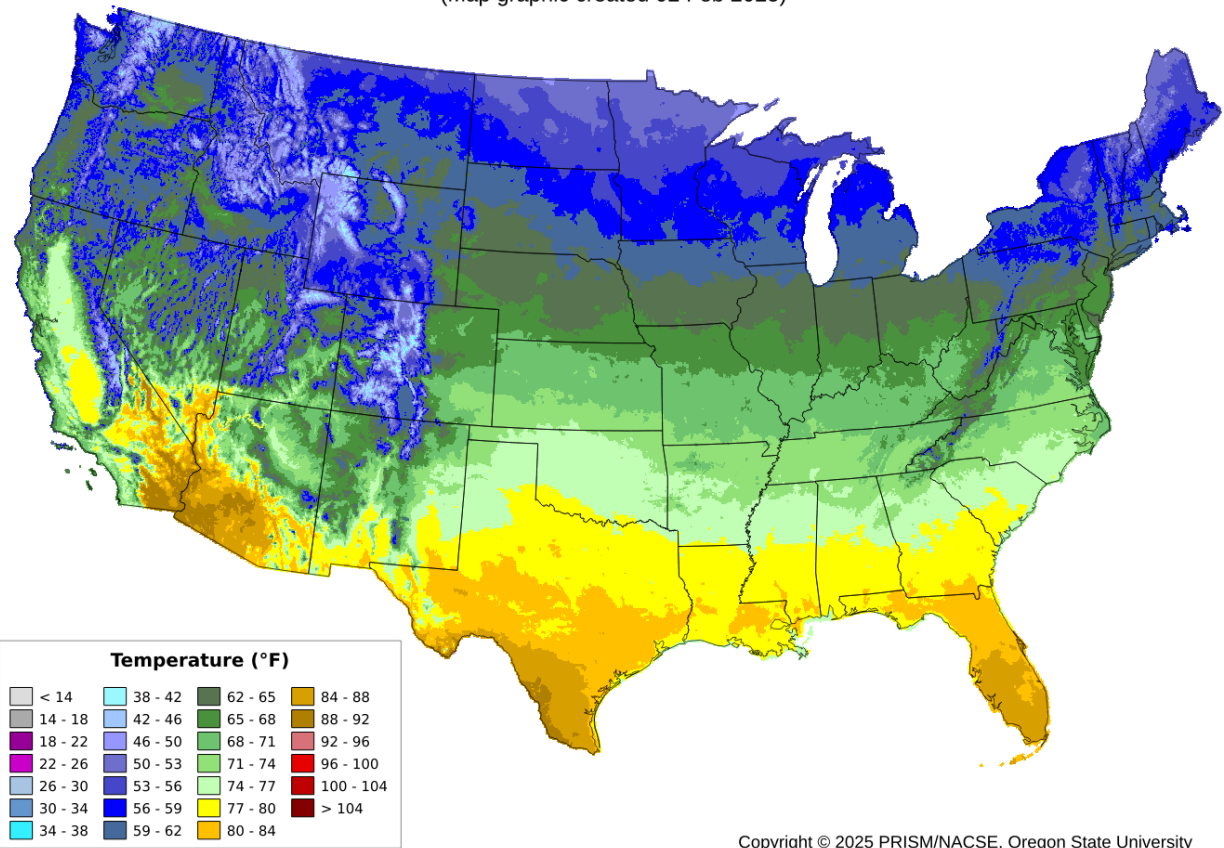
The contiguous U.S. average temperature was 55.5° which was 2.2° above the long-term normal of 53.3° (1991-2020). This ranks as the **warmest** year on record for the contiguous U.S. (1895-2024).



Actual

Average Annual Maximum Temperature: 2024

Period ending 7 AM EST 31 Dec 2024
(Map graphic created 02 Feb 2025)

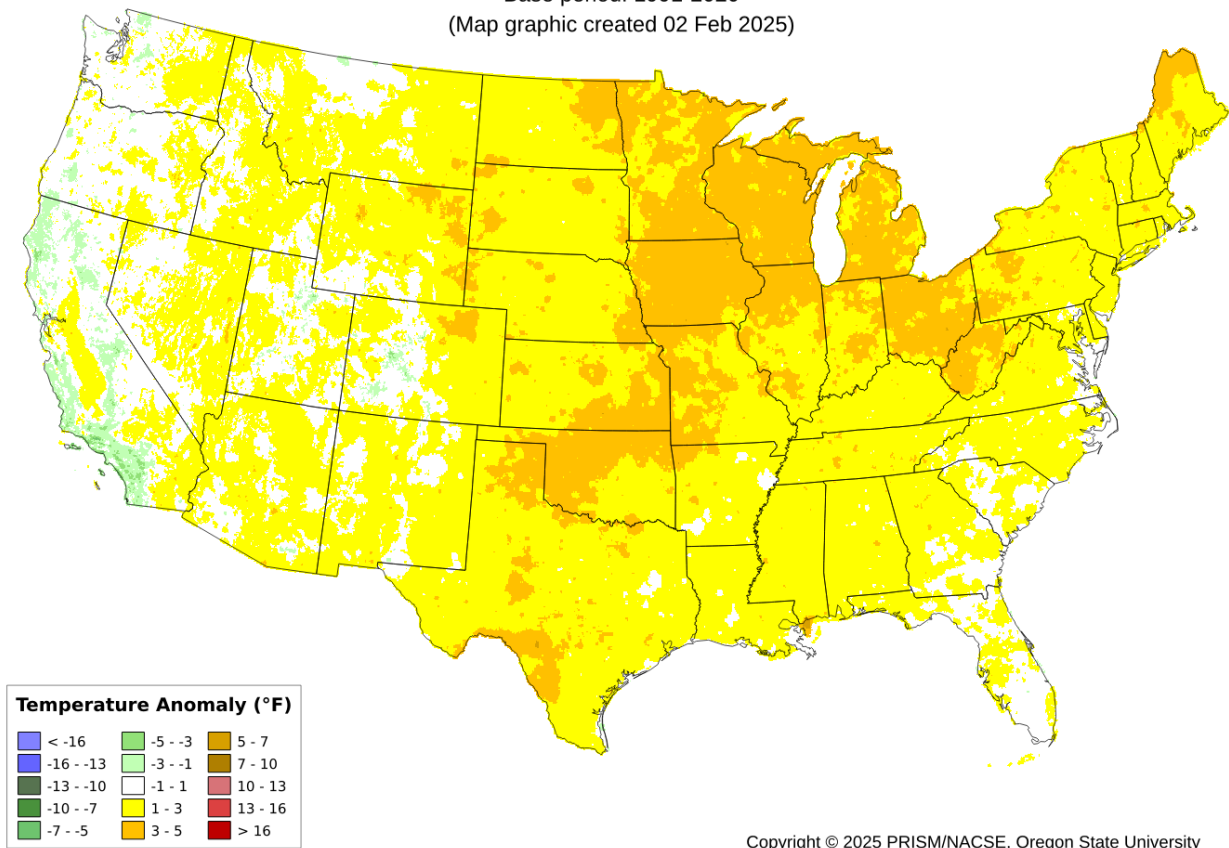


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Anomaly

Annual Maximum Temperature Anomaly: 2024

Period ending 7 AM EST 31 Dec 2024
Base period: 1991-2020
(Map graphic created 02 Feb 2025)



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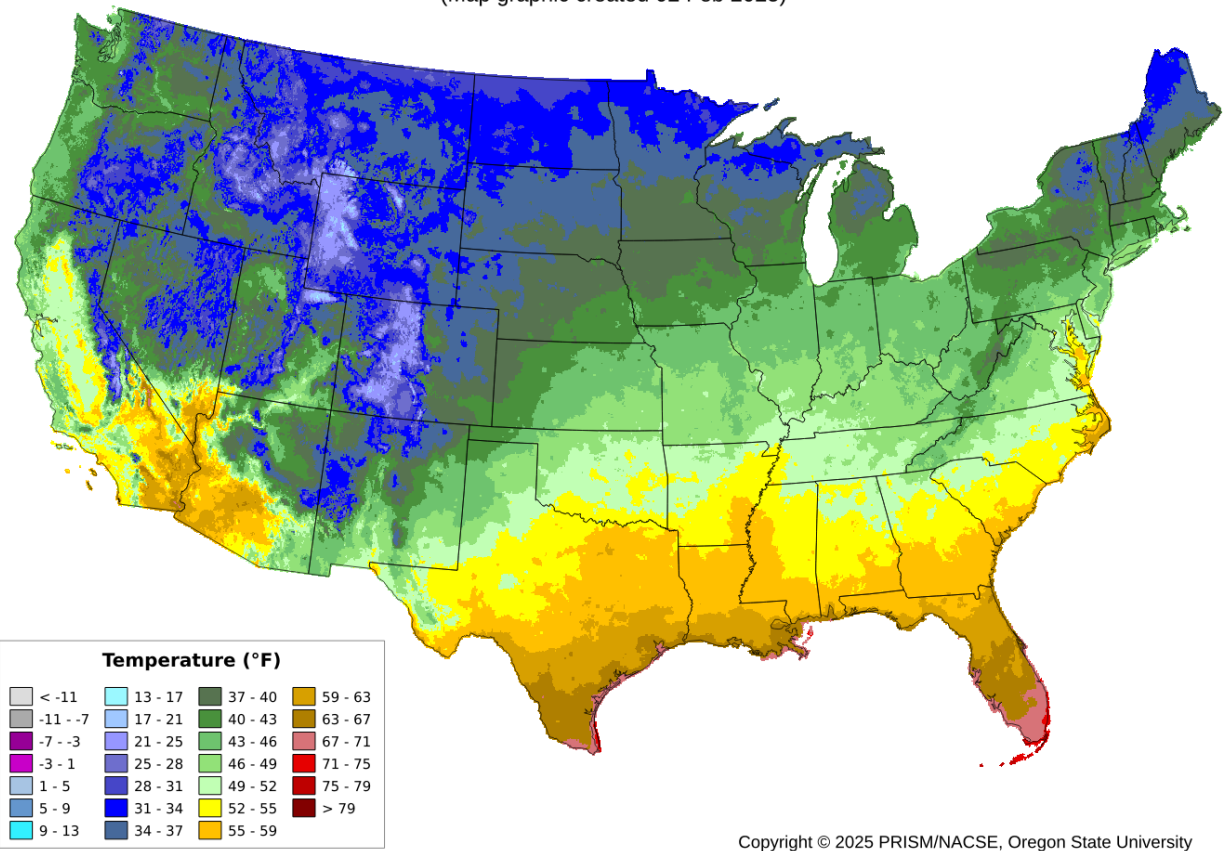
The contiguous U.S. average maximum temperature was 67.4° which was 2.3° above the long-term normal of 65.1° (1991-2020). This ranks as the 2nd warmest year on record for average maximum temperature for the contiguous U.S. (1895-2024).



Actual

Average Annual Minimum Temperature: 2024

Period ending 7 AM EST 31 Dec 2024
(Map graphic created 02 Feb 2025)

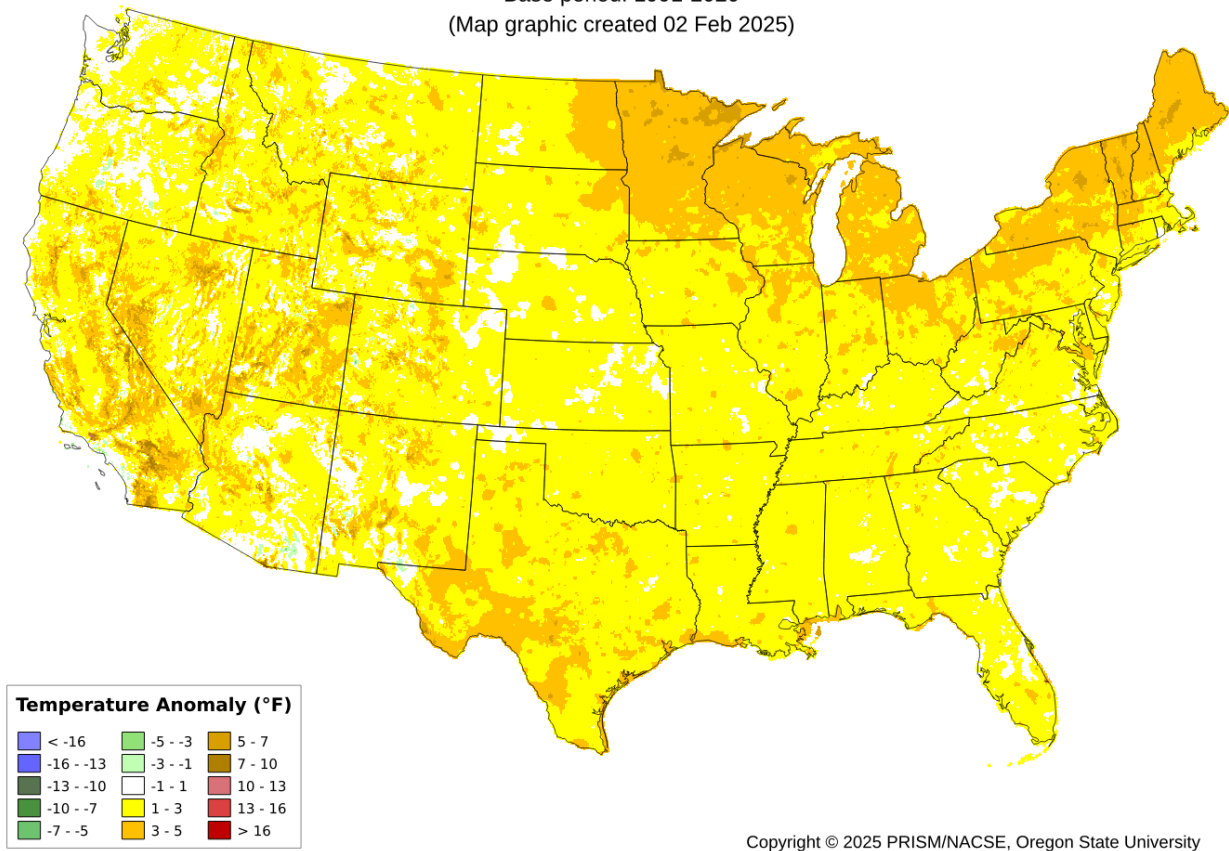


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Anomaly

Annual Minimum Temperature Anomaly: 2024

Period ending 7 AM EST 31 Dec 2024
Base period: 1991-2020
(Map graphic created 02 Feb 2025)



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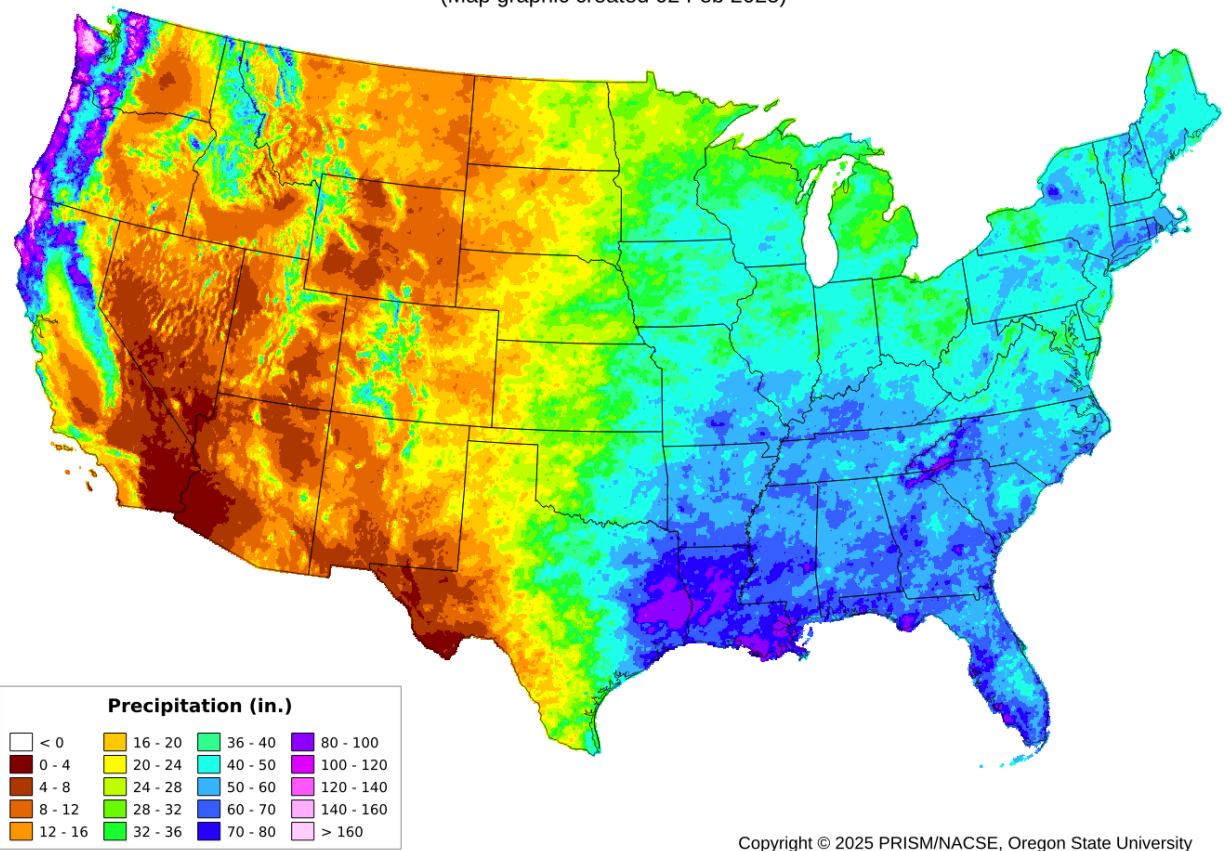
The contiguous U.S. average minimum temperature was 43.6° which was 2.2° above the long-term normal of 41.4° (1991-2020). This ranks as the **warmest** year on record for average minimum temperature for the contiguous U.S. (1895-2024).



Actual

Total Annual Precipitation: 2024

Period ending 7 AM EST 31 Dec 2024
(Map graphic created 02 Feb 2025)

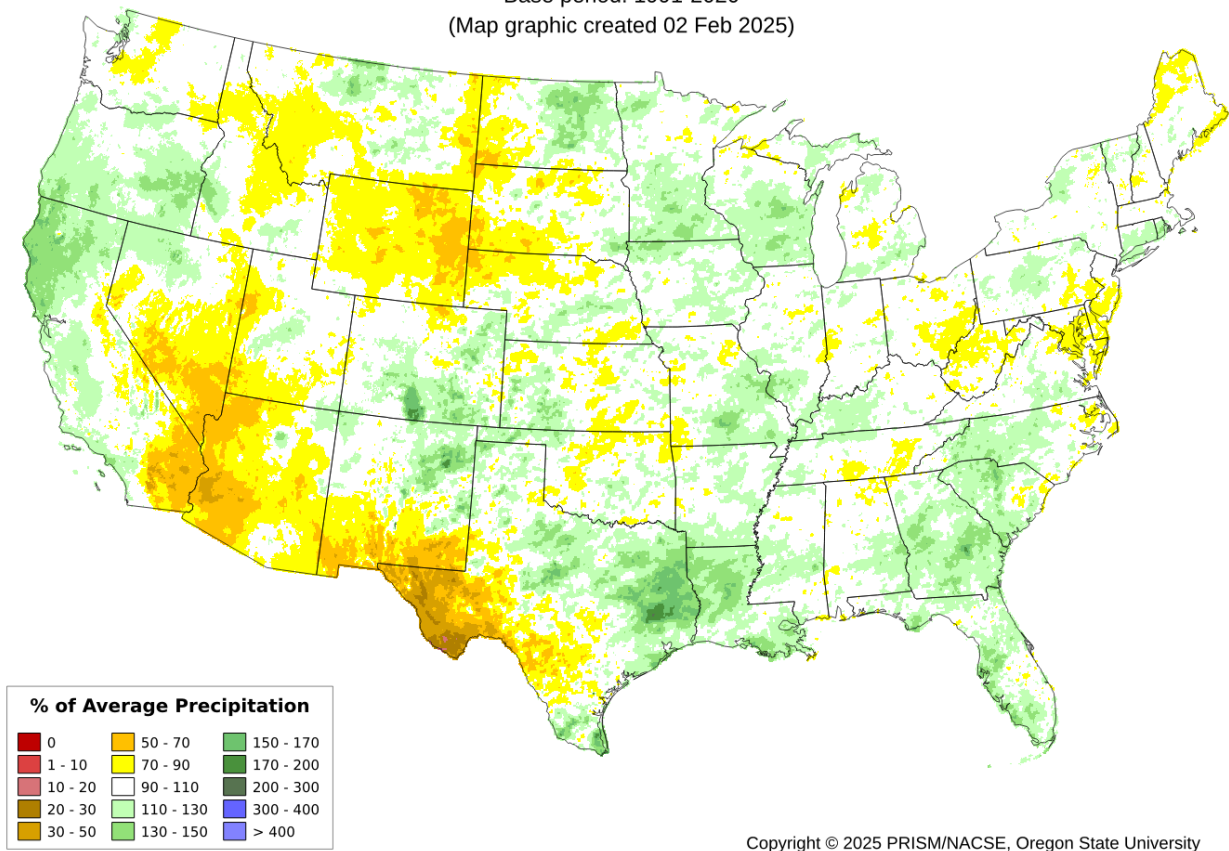


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Anomaly

Total Annual Precipitation Anomaly: 2024

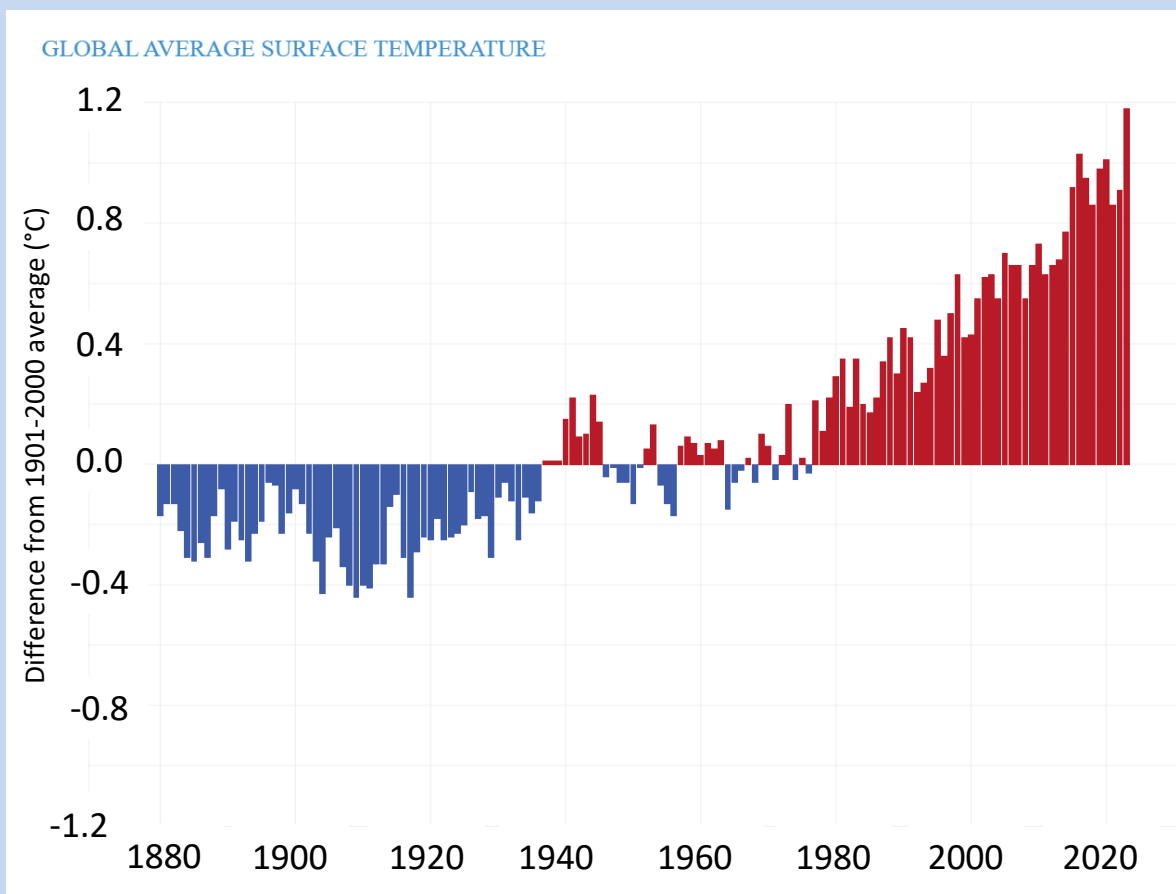
Period ending 7 AM EST 31 Dec 2024
Base period: 1991-2020
(Map graphic created 02 Feb 2025)



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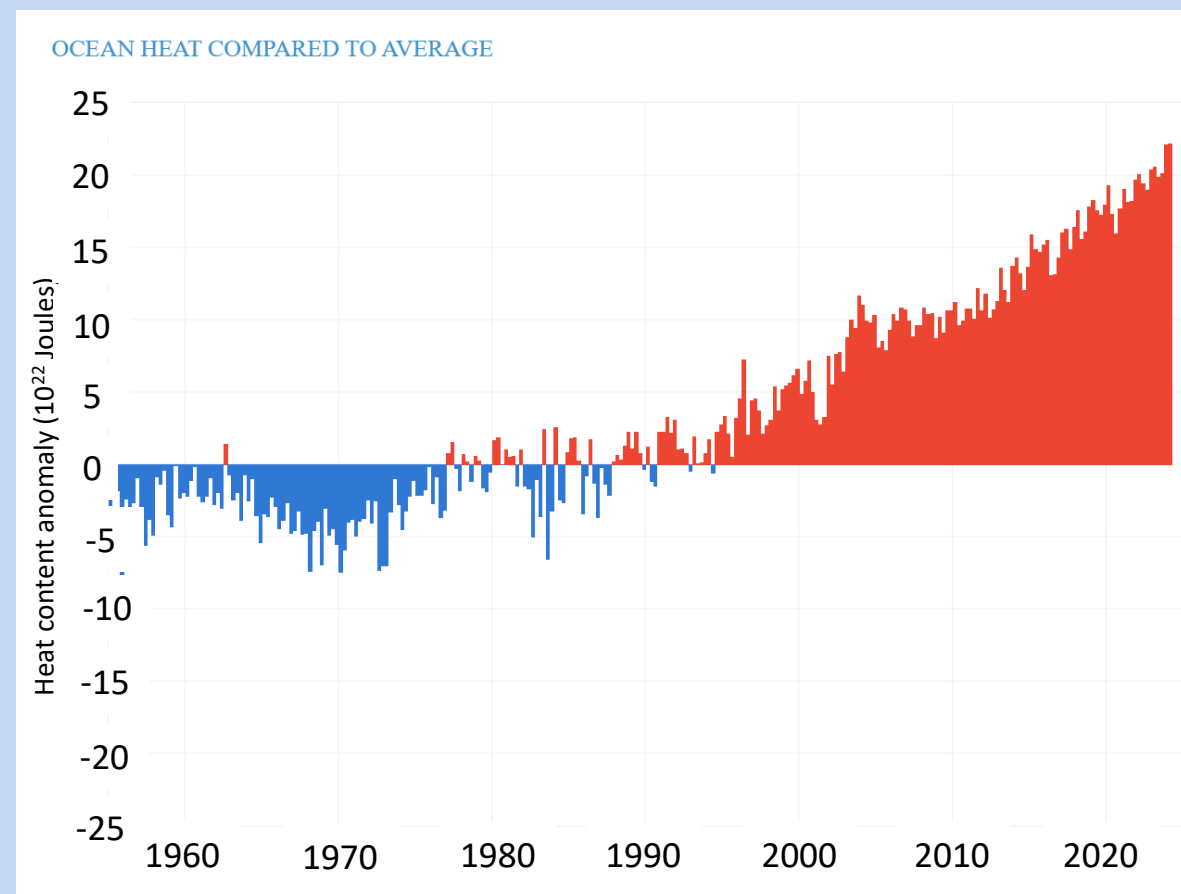
The contiguous U.S. average precipitation was 31.58" which was 0.28" above the long-term normal of 31.30" (1991-2020). This ranks as the 29th wettest year on record for the contiguous U.S. (1895-2024).

Surface Temperature



Yearly global temperatures from 1880-2023 compared to the twentieth-century average. Earth's surface temperature has risen 0.14°F per decade since 1880. The rate of warming has more than doubled since 1981. (NOAA <https://www.climate.gov/>)

Ocean Heat



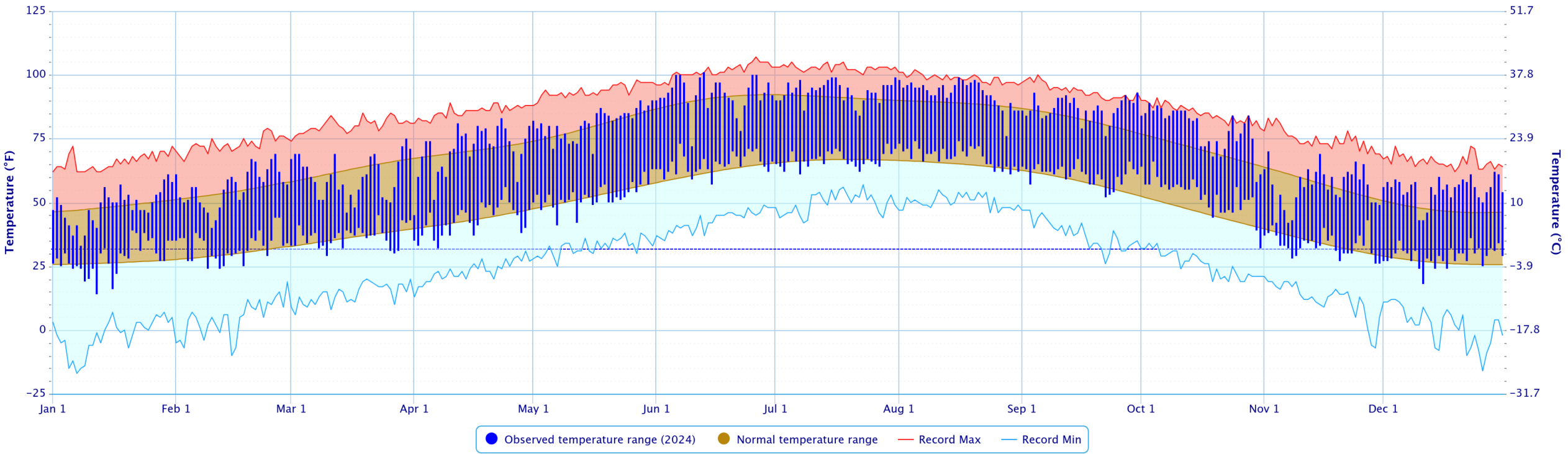
Seasonal heat content in the top half-mile of the ocean compared to the 1955-2006 average. Heat content in the global ocean has been above-average (red bars) since the mid 1990s. (NOAA <https://www.climate.gov/>)



Average Temperature: 60.0°

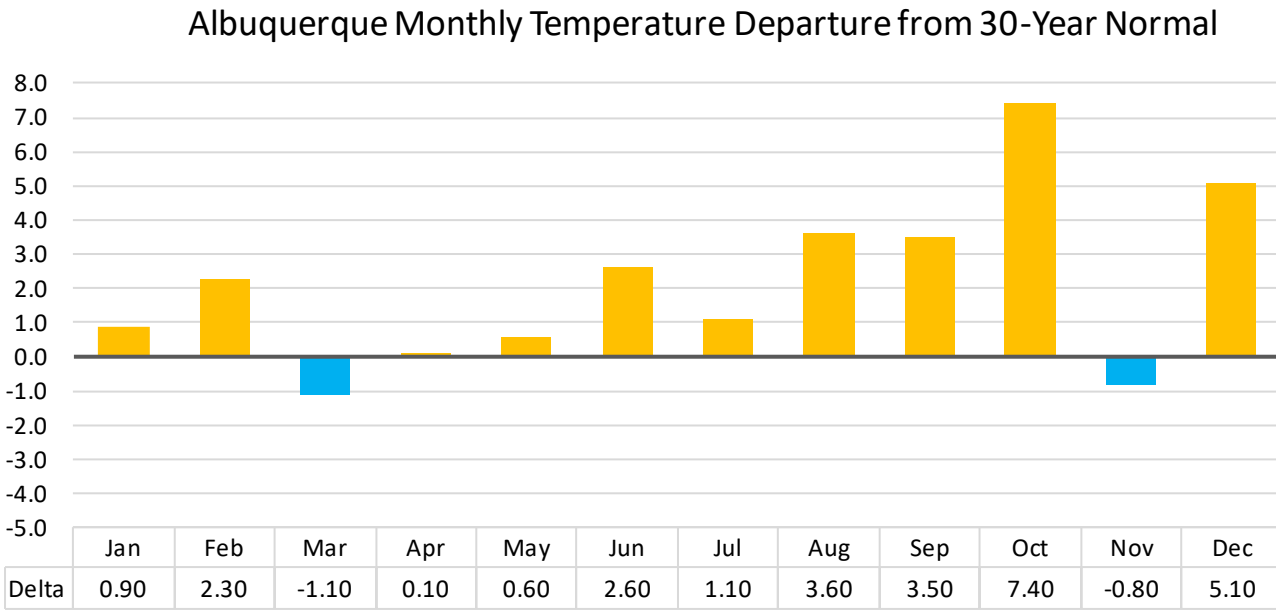
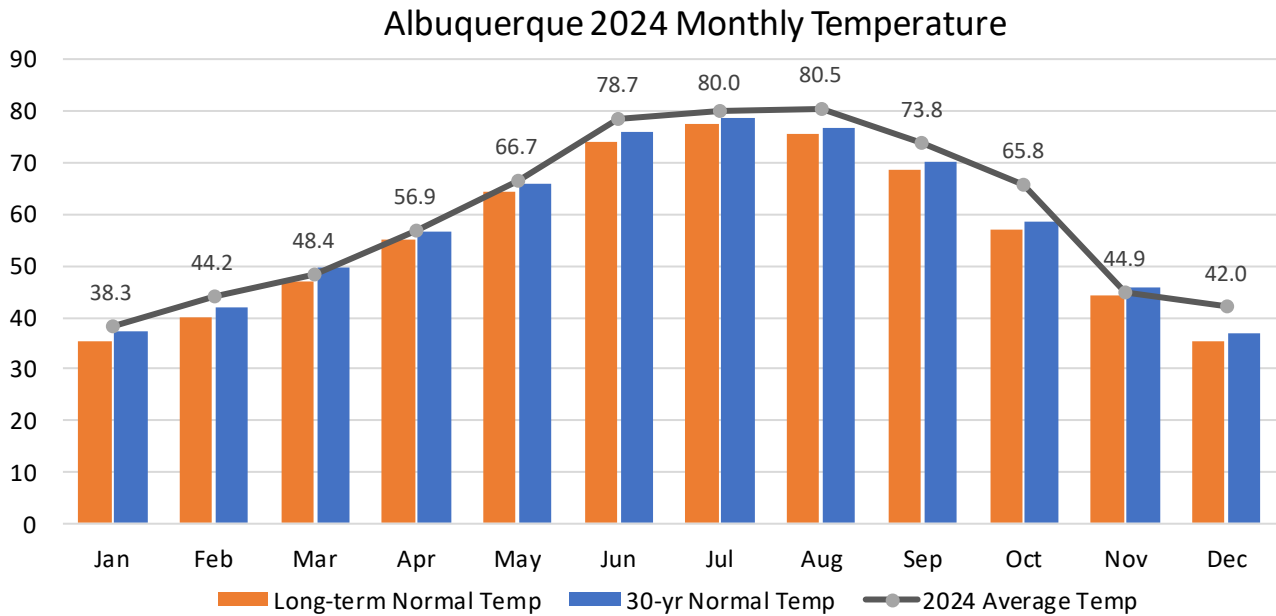
Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2025-01-06. Normals period: 1991-2020. Click and drag to zoom chart.



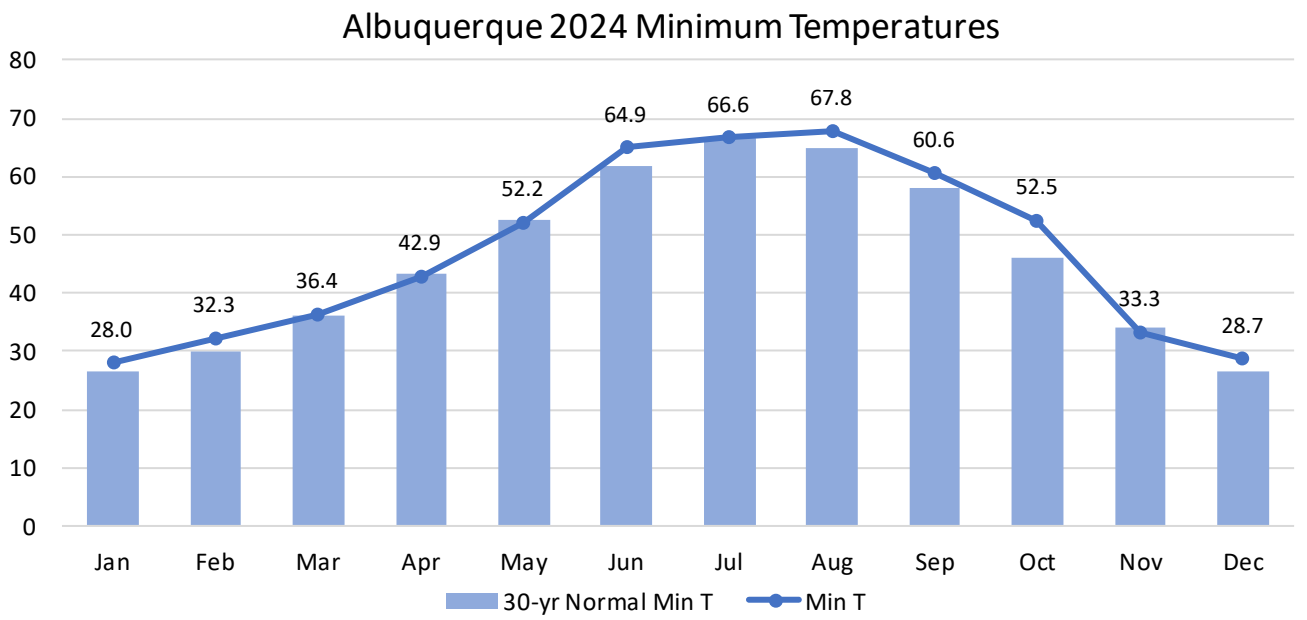
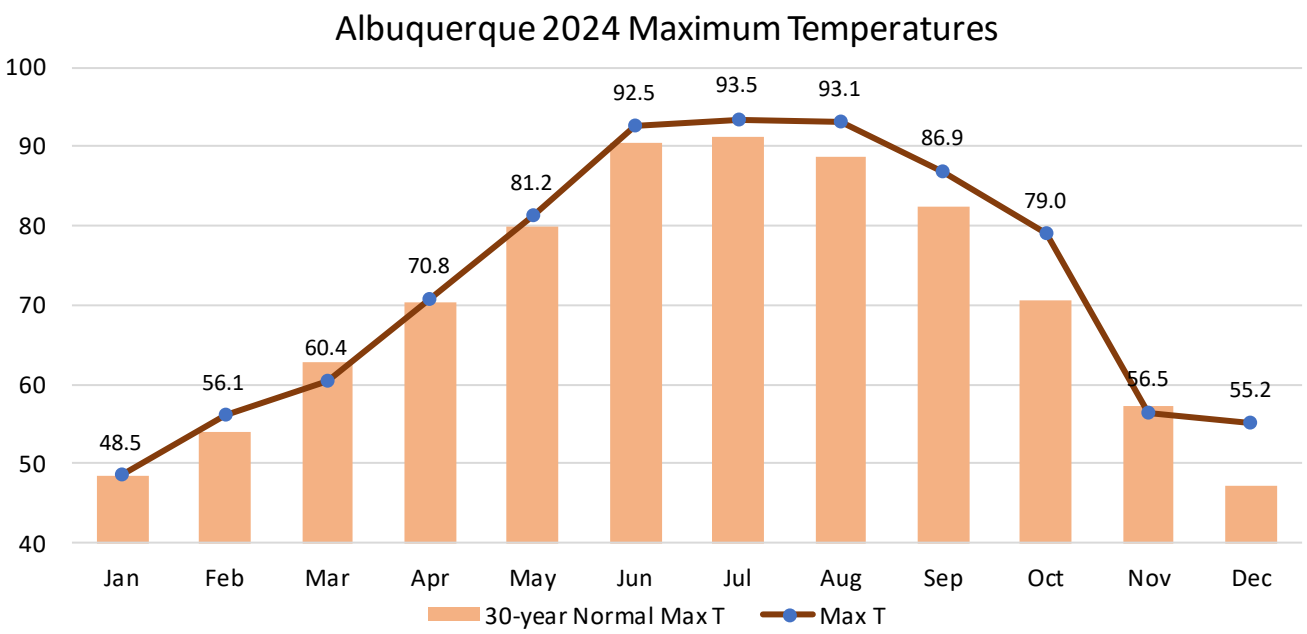
Powered by ACIS

The average temperature for Albuquerque in 2024 was 60.0°, which was 2.0° above the normal of 58.0°. The average maximum temperature was 72.8°. This was 2.5° above the normal average maximum temperature of 70.3°. The average minimum temperature was 47.2°. This was 1.6° above the normal average minimum temperature of 45.6°. This ranks as the 2nd warmest year on record for Albuquerque.



Average temperatures for the Albuquerque Sunport in 2024 were above normal for 10 out of 12 months! The first half of 2024 was relatively close to normal ($\pm 2^\circ$) followed by well above normal temperatures for the rest of 2024 with the exception of November. October 2024 was the warmest October on record followed by a return to much cooler, near normal temperatures in November. Near-record warmth returned to the area with the 2nd warmest December on record.





Average maximum temperatures in 2024 contributed more to the above normal temperatures than did the average minimum temperatures. The average high temperature in October was a whopping 8.0° above the 30-year normal of 71.0°. The dramatic drop into November was just a return to near normal conditions followed by a flatline trend into December given the near record warmth once again.



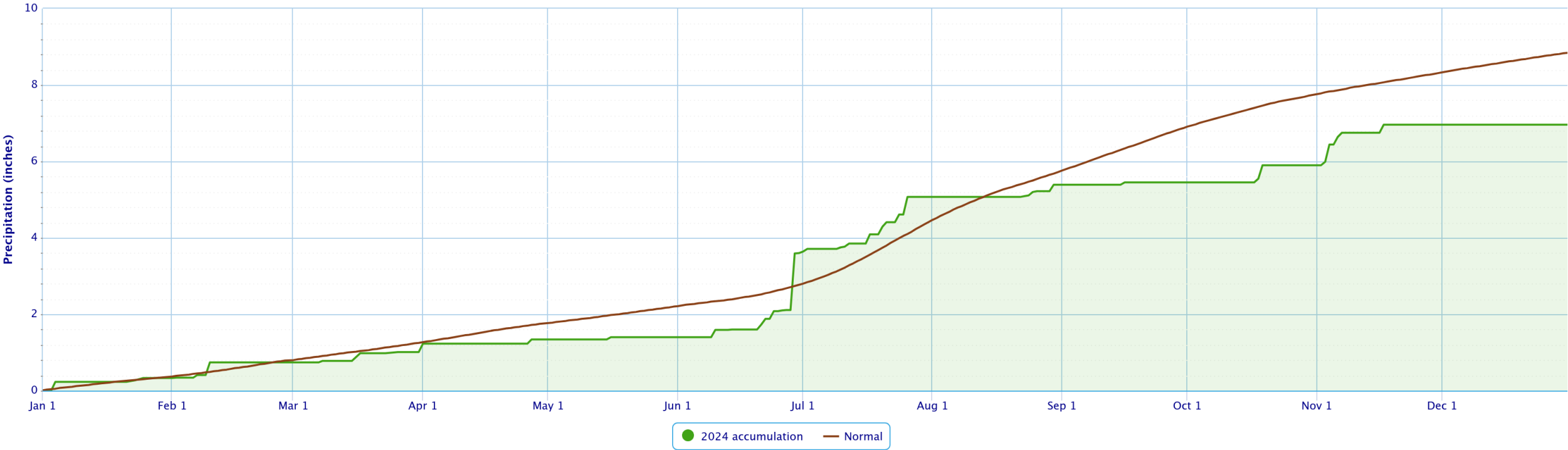
Sandia Lenticular Clouds| June 27, 2024
Courtesy NWS Meteorologist



Total Precipitation: 6.96"

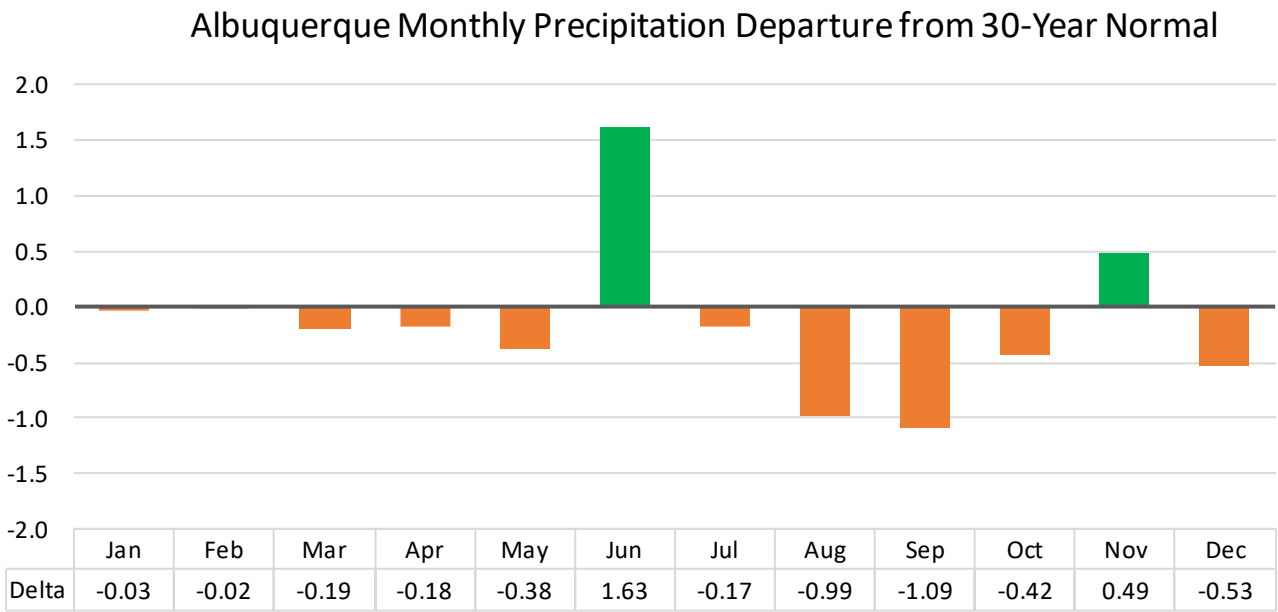
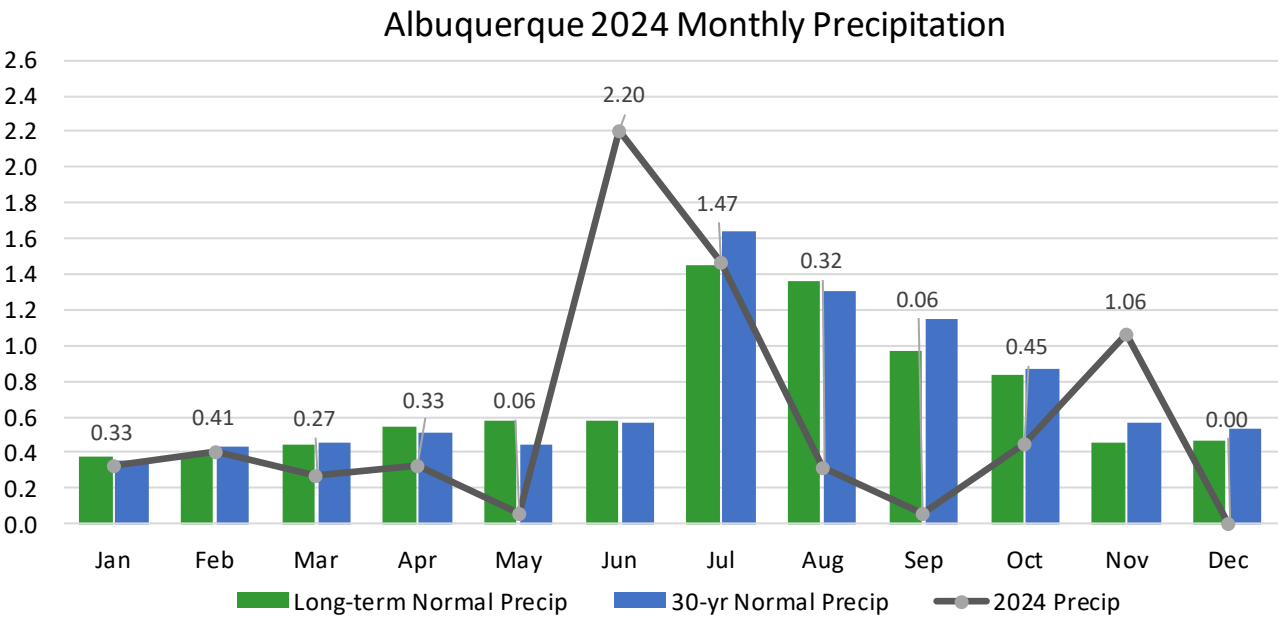
Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

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



Powered by ACIS

The total precipitation for Albuquerque in 2024 was 6.96", which was 1.89" below the normal yearly precipitation of 8.85". The red line is the 30-year normal accumulation expected throughout the year and the green line is the actual accumulation in 2024. This ranks as the 27st driest year on record for Albuquerque.



Precipitation at the Albuquerque Sunport for 2024 occurred in just a handful of weather events. Ten out of 12 months were below normal with almost no precipitation recorded in May and September then zero precipitation in December. June and July carried over 50% of the total precipitation for the year. The record rainfall event of 1.48” on June 29th was 21% of the entire year’s rainfall in just one storm!

There was only 5.5” of snow in calendar year 2024, compared to the normal of 7.9”.

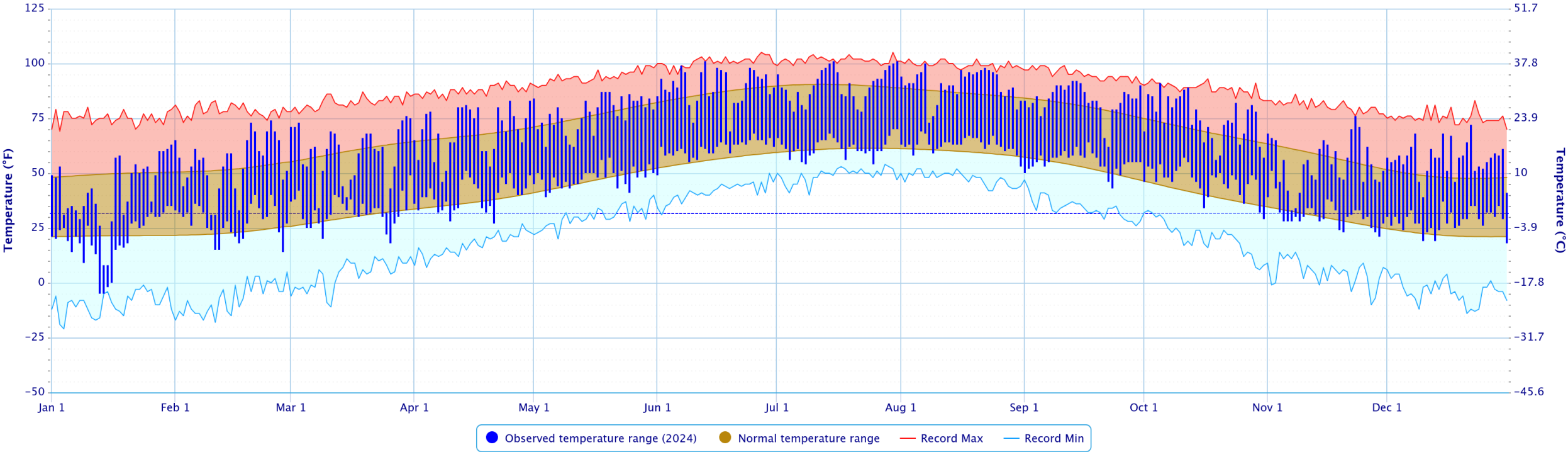


Albuquerque Flash Flood | June 29, 2024
Courtesy Marti Reed via X



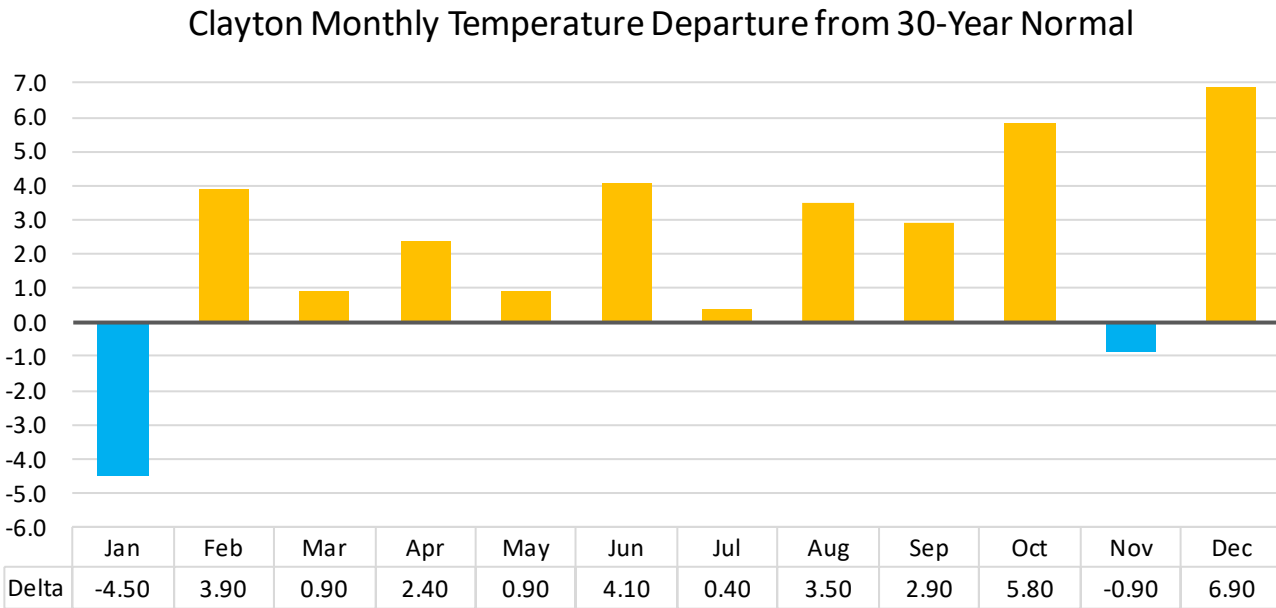
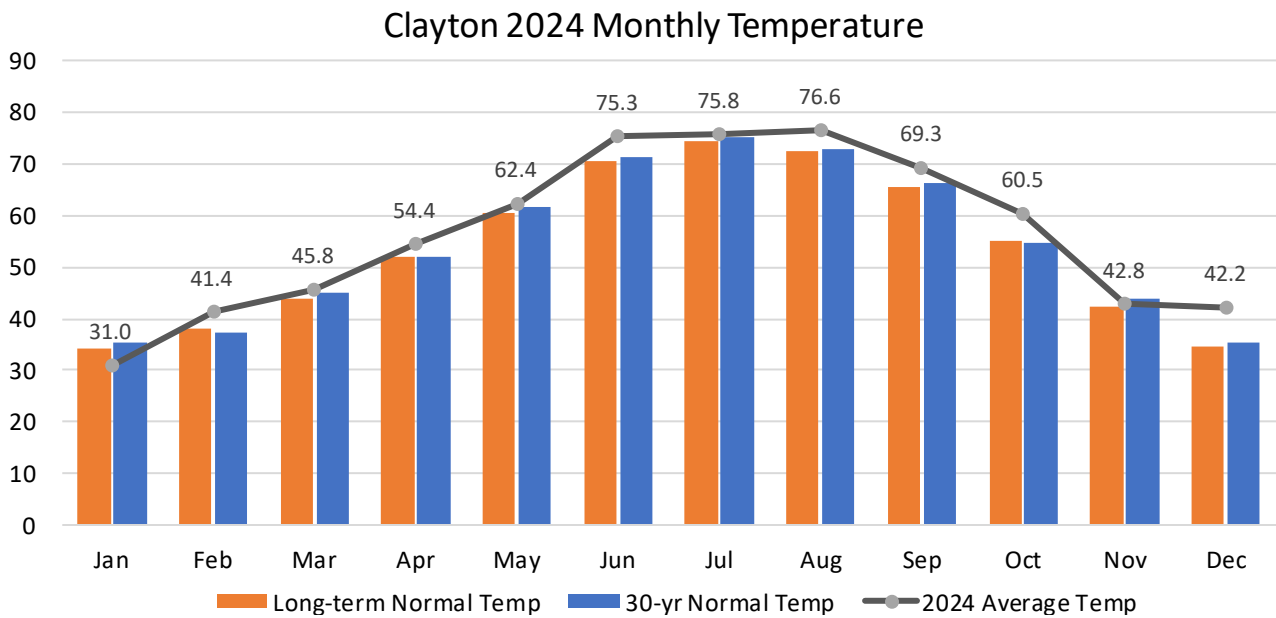
Average Temperature: 56.5°

Daily Temperature Data – Clayton Area, NM (ThreadEx)
Period of Record – 1896-02-01 to 2025-01-06. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

The average temperature for Clayton in 2024 was 56.5°, which was 2.2° above the normal of 54.3°. The average maximum temperature was 70.2°. This was 1.5° above the normal average maximum temperature of 68.7°. The average minimum temperature was 42.7°. This was 2.8° above the normal average minimum temperature of 39.9°. This ranks as the 3rd warmest year on record for Clayton.



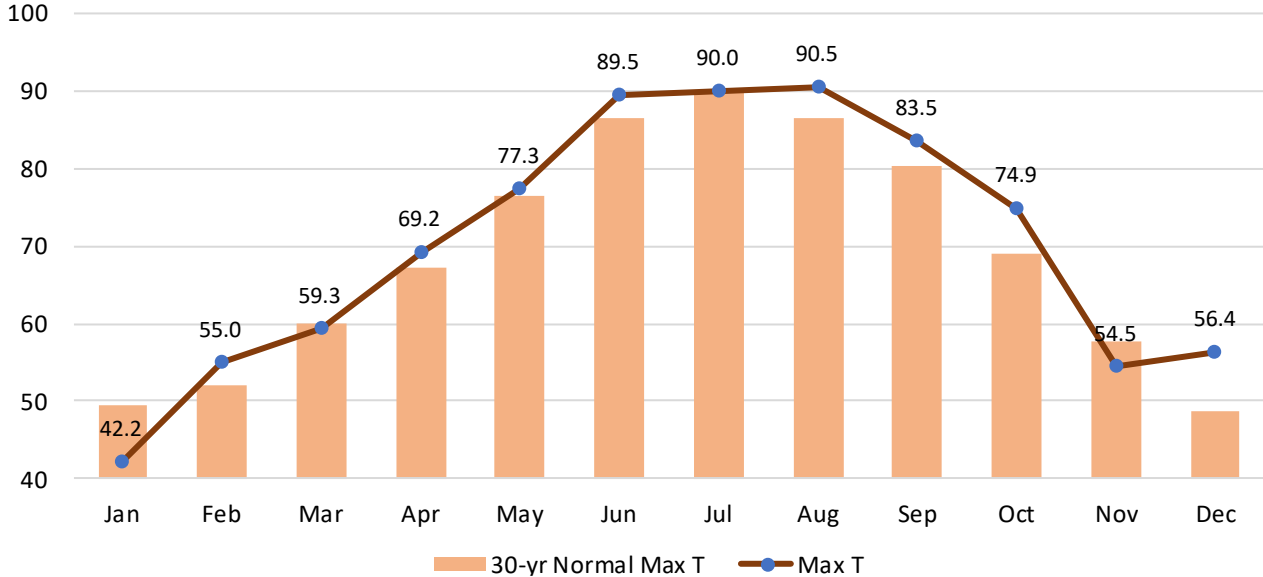
Average temperatures for the Clayton Airport in 2024 were above normal 10 out of 12 months. A cold start to the year in January rebounded above normal and stayed that way all the way through November. October was the 4th warmest on record and December was actually only the 6th warmest on record despite the nearly 7° departure above normal. Note the average temperature for December was only 0.6° cooler than November!



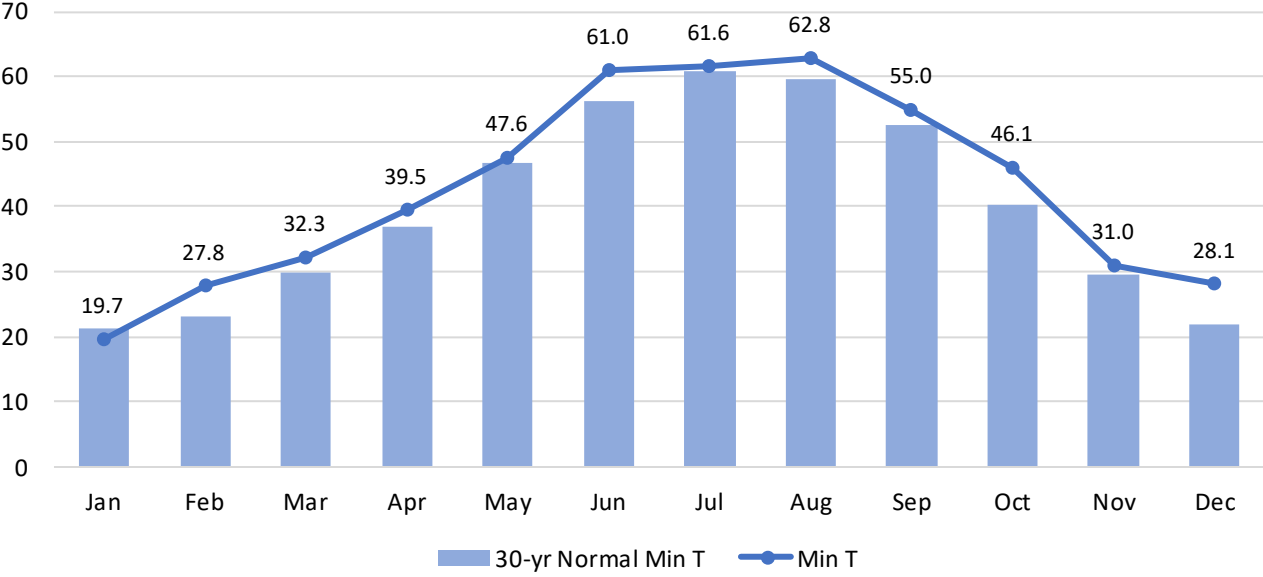
Cannon AFB | May 29, 2025
Courtesy Roger Hill via Facebook



Clayton 2024 Maximum Temperatures



Clayton 2024 Minimum Temperatures



Unlike Albuquerque and Roswell, average minimum temperatures drove the above normal temperatures for the most part at Clayton during 2024. Two of the more impressive statistics for 2024 were; the average maximum temperature in December was warmer than the average maximum temperature in November by almost 2 degrees, and the above normal maximum temperature in February was still beat out by December by almost 1.5 degrees!

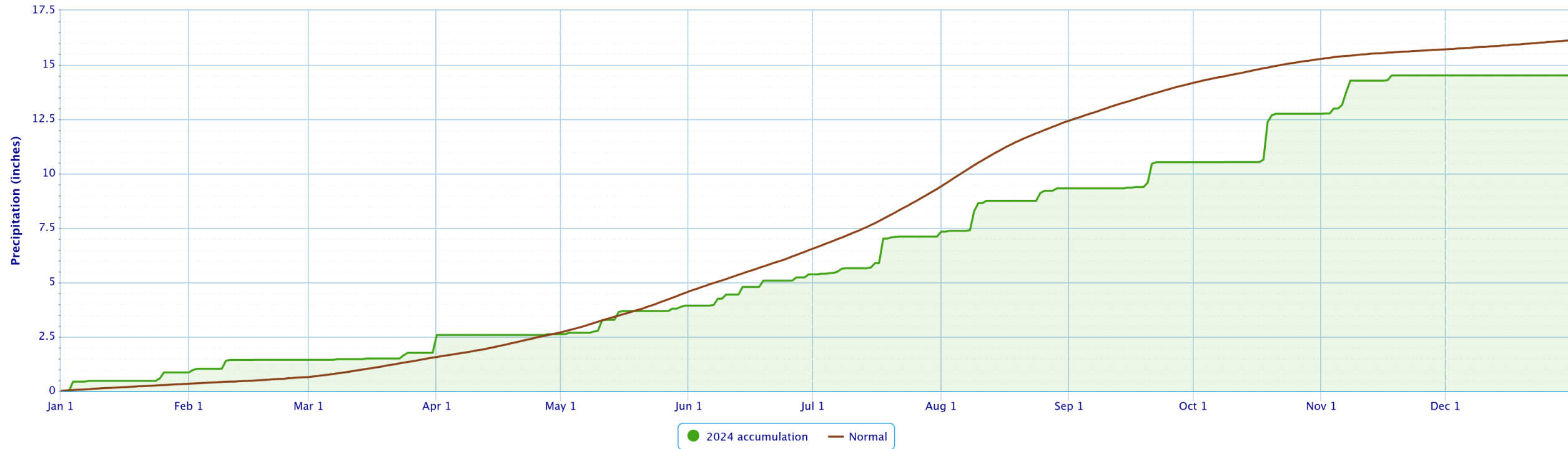


Sedillo Sunrise | November 11, 2024
Courtesy NWS Meteorologist

Total Precipitation: 14.51"

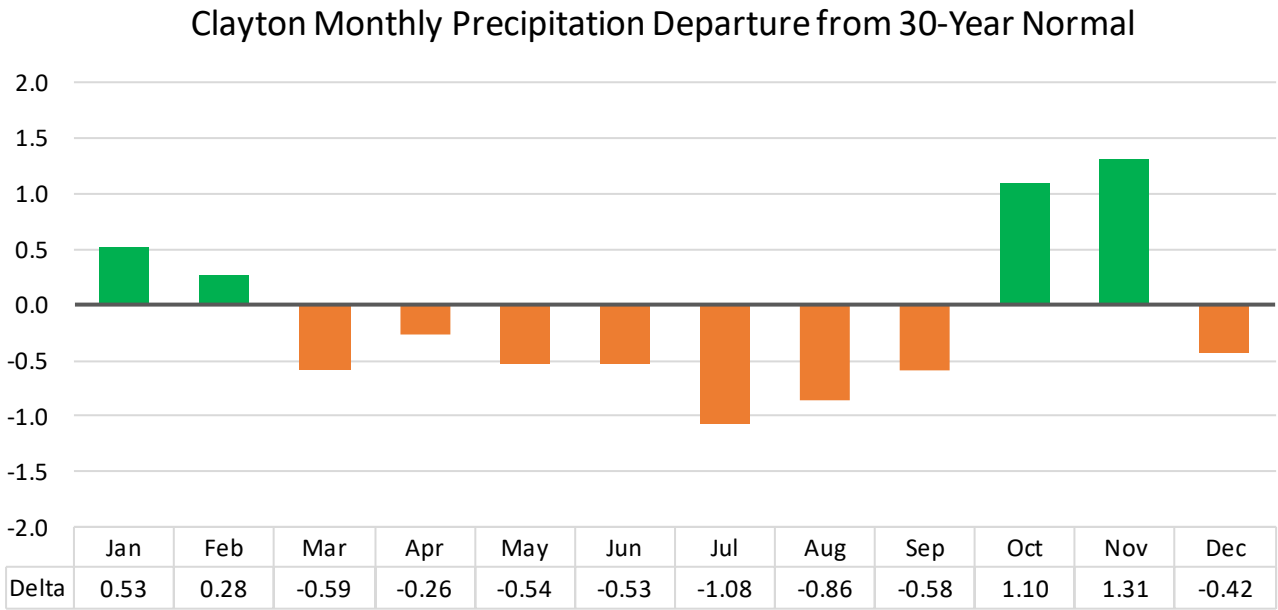
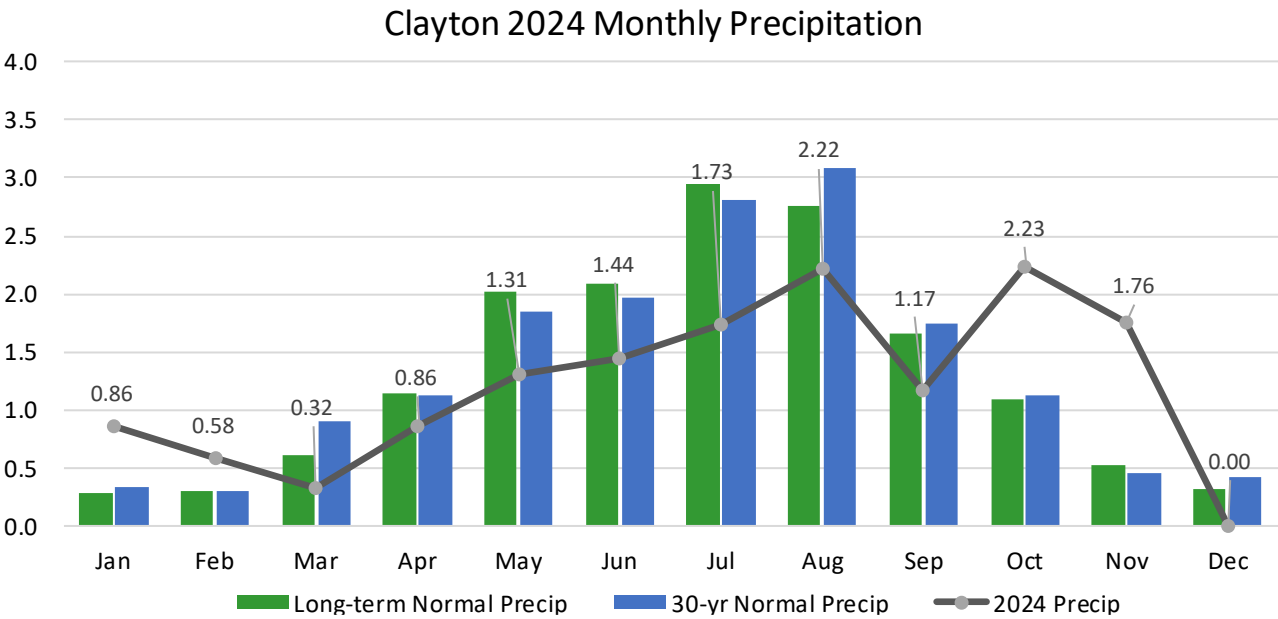
Accumulated Precipitation – Clayton Area, NM (ThreadEx)

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



Powered by ACIS

The total precipitation for Clayton in 2024 was 14.51", which was 1.61" below the normal of 16.12". This ranks as the 55th driest year on record at Clayton.



Slightly above normal precipitation to start out 2024 turned below normal in every month until October and November. Fortunately, December was the only month with zero precipitation. Despite the below normal totals, the monthly values were fairly healthy between May and November with between 1 and 2” reported each month.

There was 40.5” of snow in calendar year 2024, compared to the normal of 22.3”. More than half of this was reported in one storm in November.

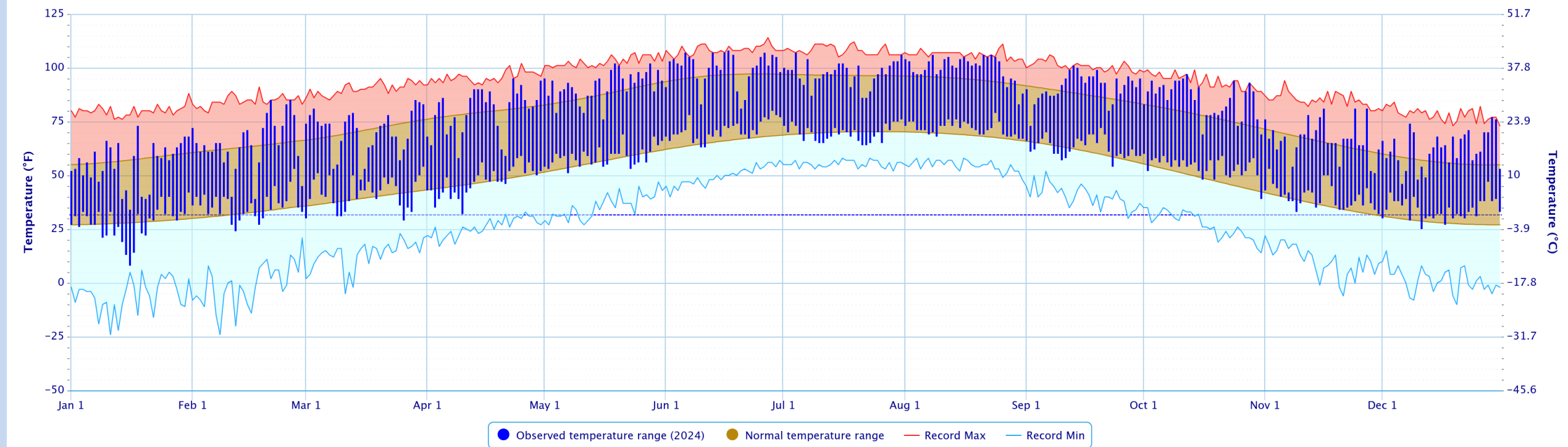


Clayton Ground Blizzard | January 8, 2024
Courtesy Justin Drumm

Average Temperature: 65.8°

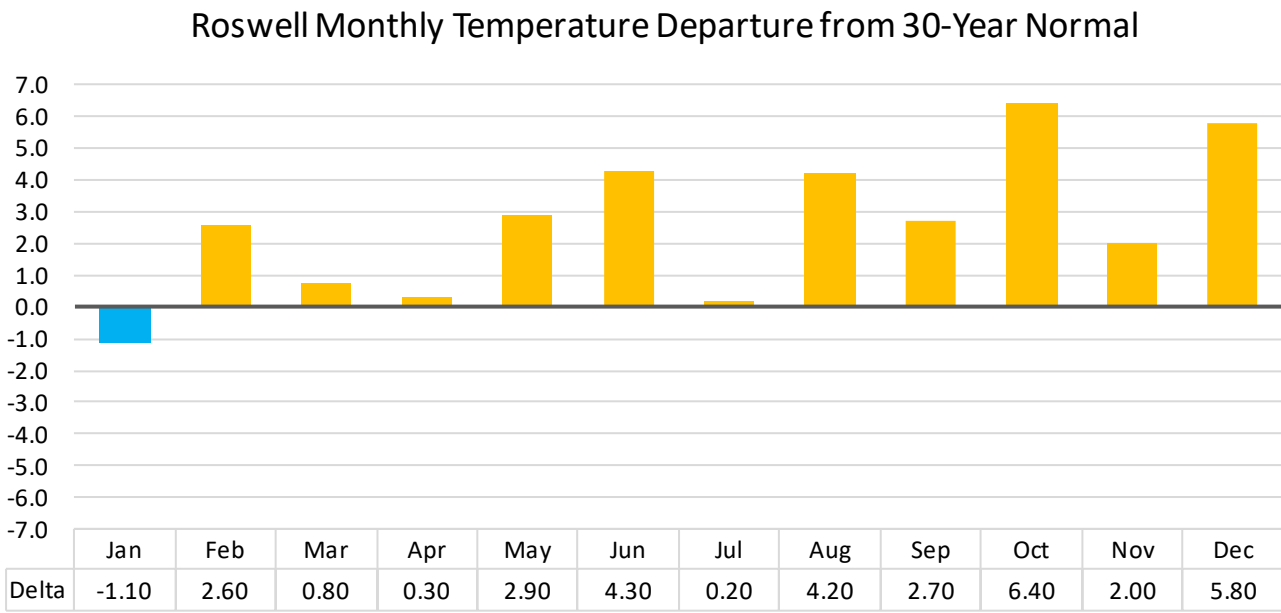
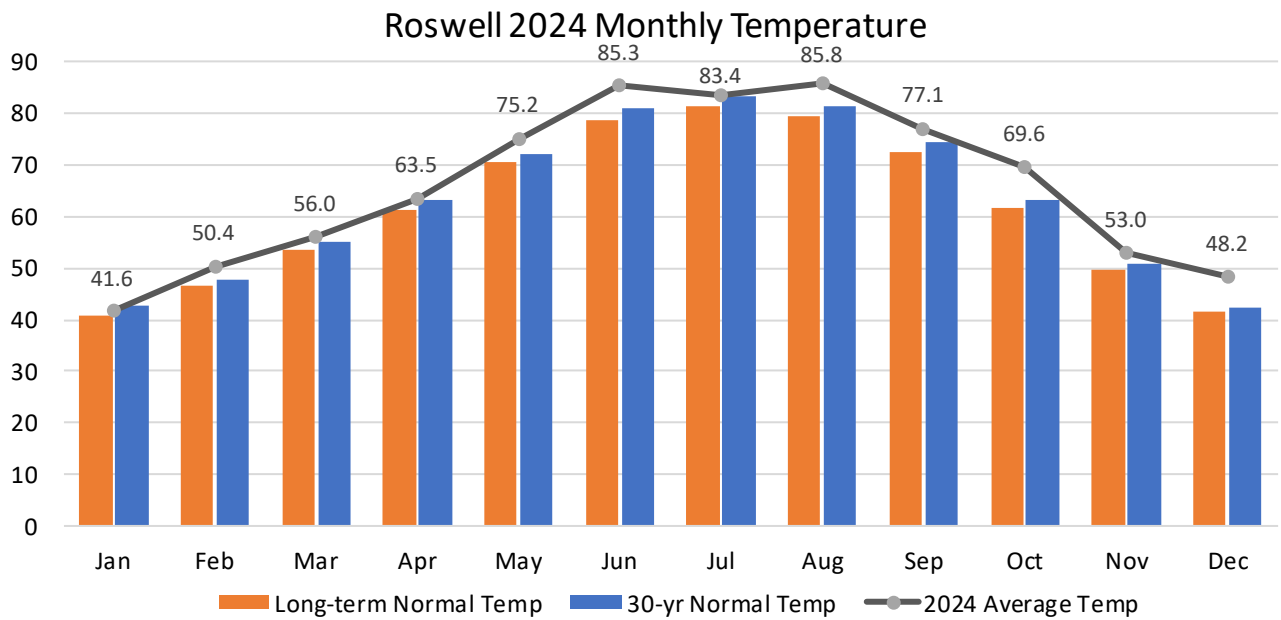
Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2025-01-06; Min temperature: 1893-01-21 to 2025-01-06. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

The average temperature for Roswell in 2024 was 65.8°, which was 2.6° above the normal of 63.2°. The average maximum temperature was 80.4°. This was 2.6° above the average maximum temperature of 77.8°. The average minimum temperature was 51.1°. This was 2.4° above the normal average minimum temperature of 48.7°. **This ranks as the warmest year on record for Roswell.**



Average temperatures at the Roswell Airport in 2024 were well above normal once again. Only one month of the entire year was below normal. October was the warmest on record and December was the 2nd warmest on record. There were 56 days at or above 100° in Roswell which was an improvement over the 67 days in 2023. This was still the 4th greatest number of 100° days on record for a year. There were 19 days at or above 105° which was tied for 2nd most in any year behind 2023.

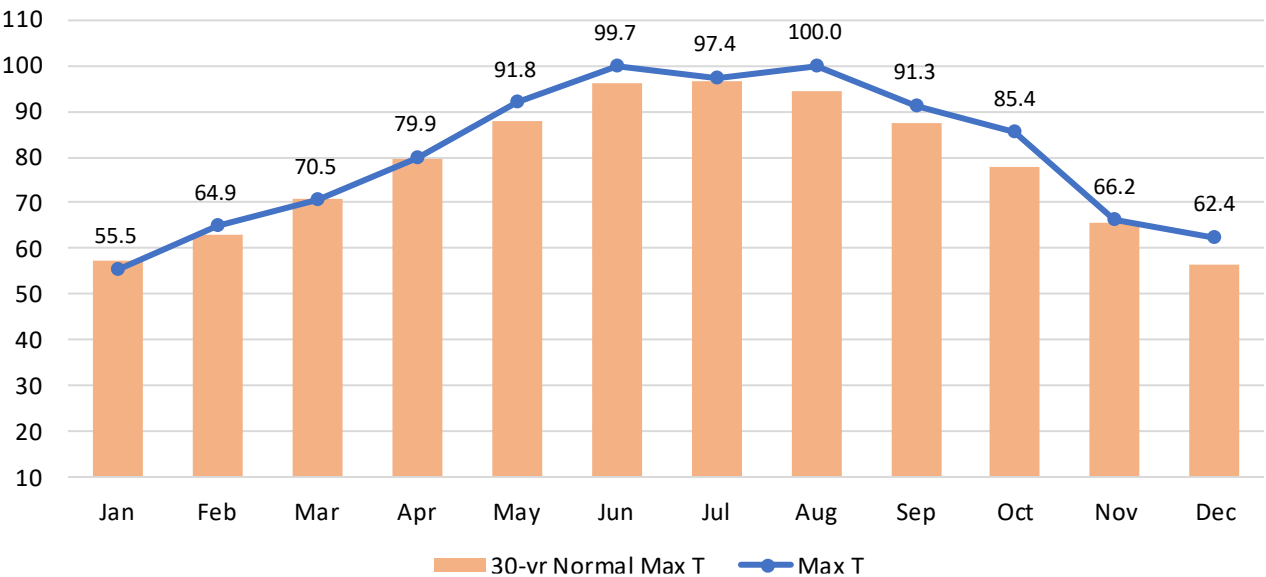


2-27-2024
Wendell L. Malone

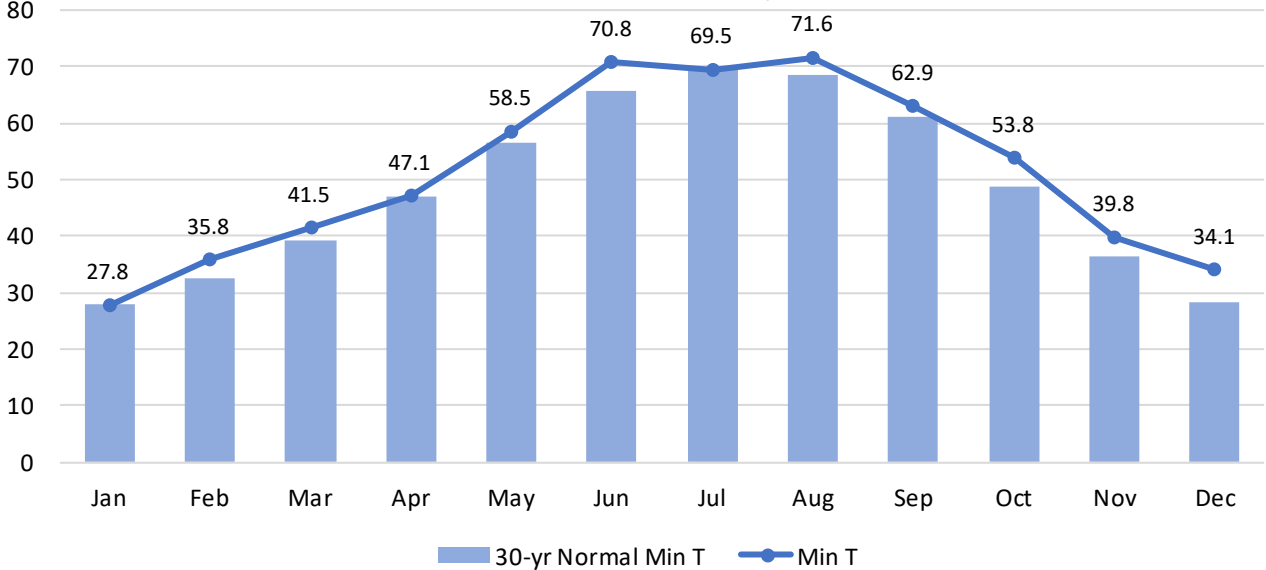
State Road 2 Dust Storm near Roswell | February 27, 2024
Courtesy Wendell Malone



Roswell 2024 Maximum Temperatures



Roswell 2024 Minimum Temperatures



It was another brutally hot year for Roswell, especially the summer months. June 2024 was the warmest on record, August was the 4th warmest on record, October was the warmest on record, and December was the 2nd warmest on record. The average high temperature of 100.0° in August was the 13th warmest of all-time since records began in 1893.



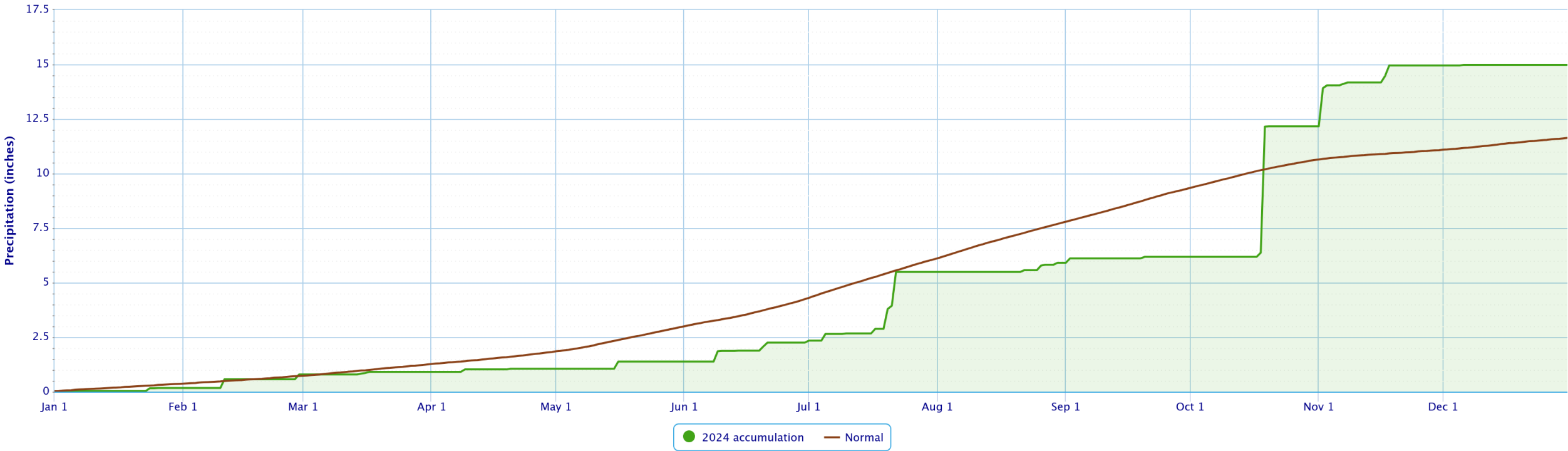
Hagerman Landspout | June 26, 2024
Courtesy Jim Tucker



Total Precipitation: 14.99"

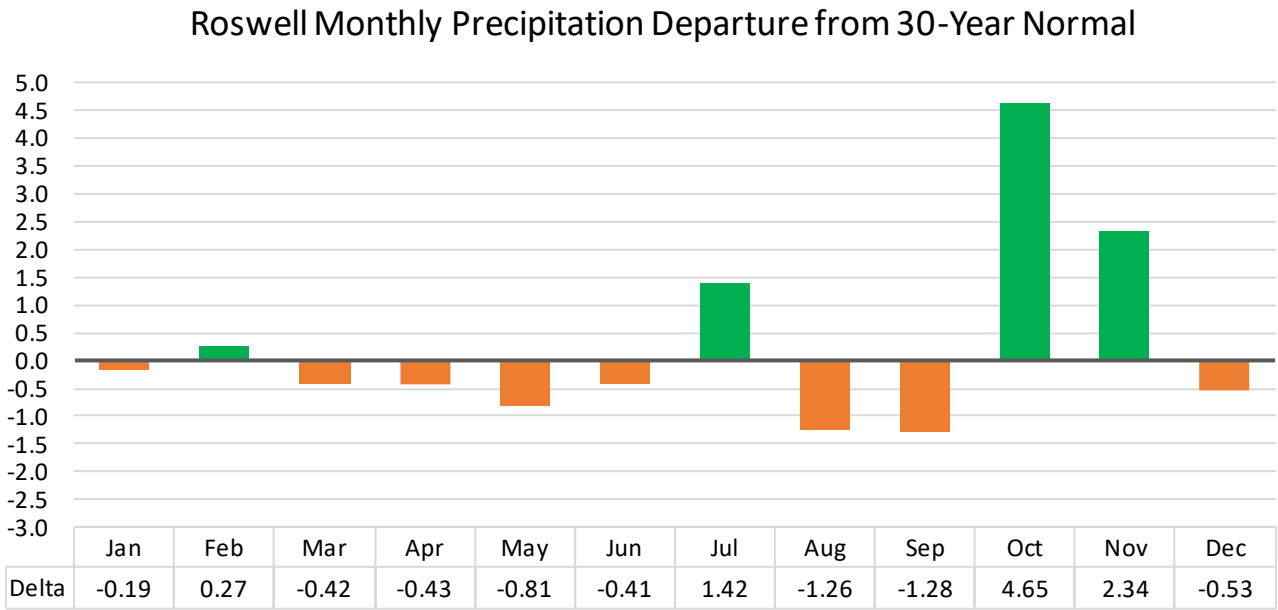
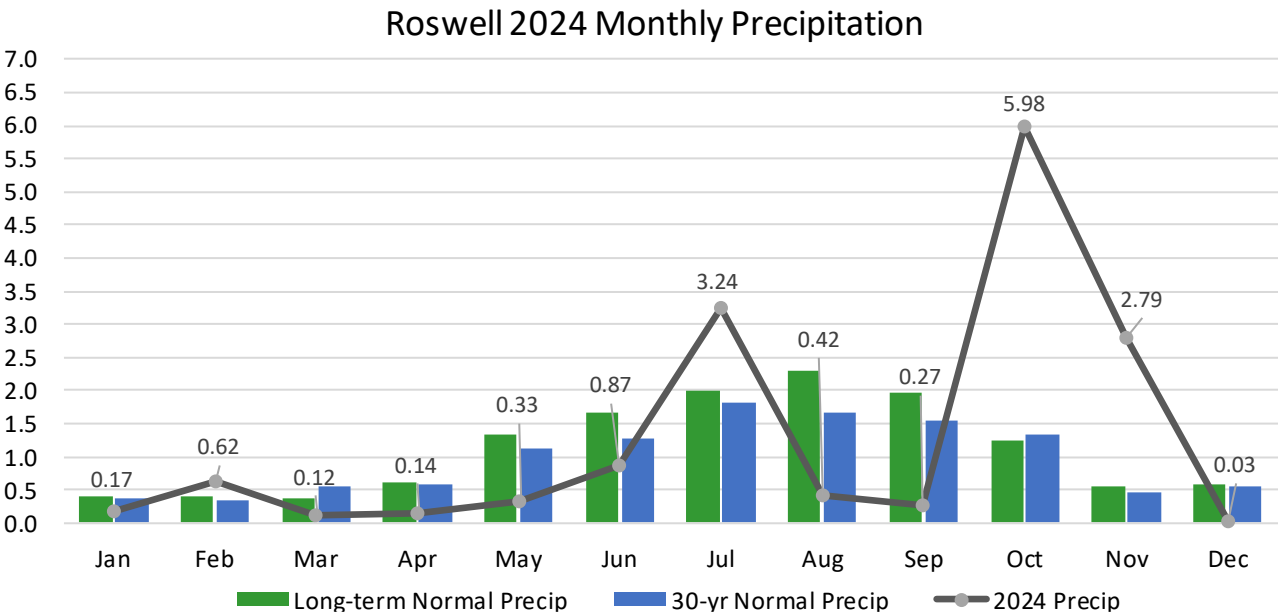
Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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



Powered by ACIS

The total precipitation for Roswell in 2024 was 14.99", which was 3.37" above the normal of 11.62". This ranks as the 30th wettest year on record for Roswell.










Precipitation at the Roswell Industrial Air Park was above normal for 2024. A new all-time daily precipitation record was set on October 19th when 5.78” was reported. This one storm accounted for almost 40% of the entire yearly total. July and November also reported above normal precipitation which made up another 40% of the yearly total. The rest of the year was mostly dry.

There was 6.0” of snow in calendar year 2024, compared to the normal of 9.6”.



Dora Hail | May 28, 2024
Courtesy Corbin Voges

-  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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