

2023 Annual Climate Summary

Overview*

2023 was much warmer & much drier than normal for New Mexico

2023 Statewide Averages	
Temperature	Precipitation
55.4°	10.75"
+2.5° (1901-2000)	-3.24" (1901-2000)
7 th Warmest (1895-2023)	18 th Driest (1895-2023)

2023 marks the 31st consecutive year with above normal temperatures in NM compared to the long-term statewide average from 1901 to 2000. Precipitation was below normal like much of the 21st century. Climate data cities below use the normal period from 1991 to 2020. (T) is used for tie.

2023	Average Temperature	Departure	Rank	Total Precipitation	Departure	Rank	Period of Record (years)
New Mexico	55.4°	+2.5°	7th warmest	10.75"	-3.24"	18th driest	129
Albuquerque	59.0°	+1.1°	8 th warmest (T)	5.77"	-3.07"	21 st driest	131
Clayton	55.3°	+1.0°	11 th warmest (T)	16.40"	+0.28"	37 th wettest	128
Roswell	65.4°	+2.2°	Warmest!	5.58"	-6.05"	7 th driest	131

**all data is considered preliminary until final certification at the National Centers for Environmental Information (NCEI).
 City rankings only include years with 10 days or less of missing data.*

2023 Annual Climate Summary

Photos



La Barbaria Canyon - Santa Fe | February 15, 2023
Courtesy Gordon Harris via X



Albuquerque Tree Damage | February 22, 2023
Courtesy Conrad Slad



ABQ I-40 Arroyo Flood | August 8, 2023
Courtesy NMDOT



Tornado near Vaughn | May 31, 2023
Courtesy Spike Davis via X



Clovis Hail | May 26, 2022
Courtesy Phil Bergmaier via X

2023 Annual Climate Summary

Photos

Weather Forecast Office
Albuquerque, NM
Issued January 23, 2024 3:57 PM MST



near Tucumcari | July 15, 2023
Courtesy Heidi Adams



Gallup | July 11, 2023
Courtesy Honey Chavez



Sapello Tornado | October 1, 2023
Courtesy Dennis Esquibel



Black Lake | December 15, 2023
Courtesy Jacqui Binford-Bell



Meadow Lake | December 1, 2023
Courtesy Sid Smith



Las Vegas Hail | October 2, 2023
Courtesy Amina Sena via Kerry Jones

2023 Annual Climate Summary

Statewide Temperature & Precipitation Trends

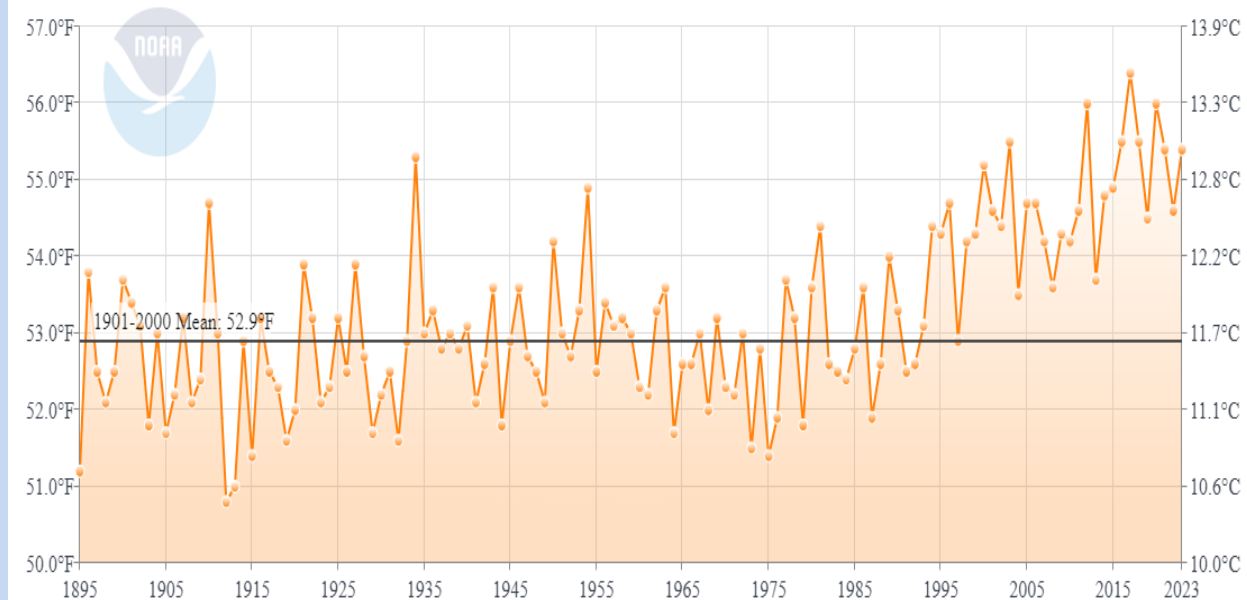
Weather Forecast Office
Albuquerque, NM
Issued January 23, 2024 3:57 PM MST



Temperature

New Mexico Average Temperature

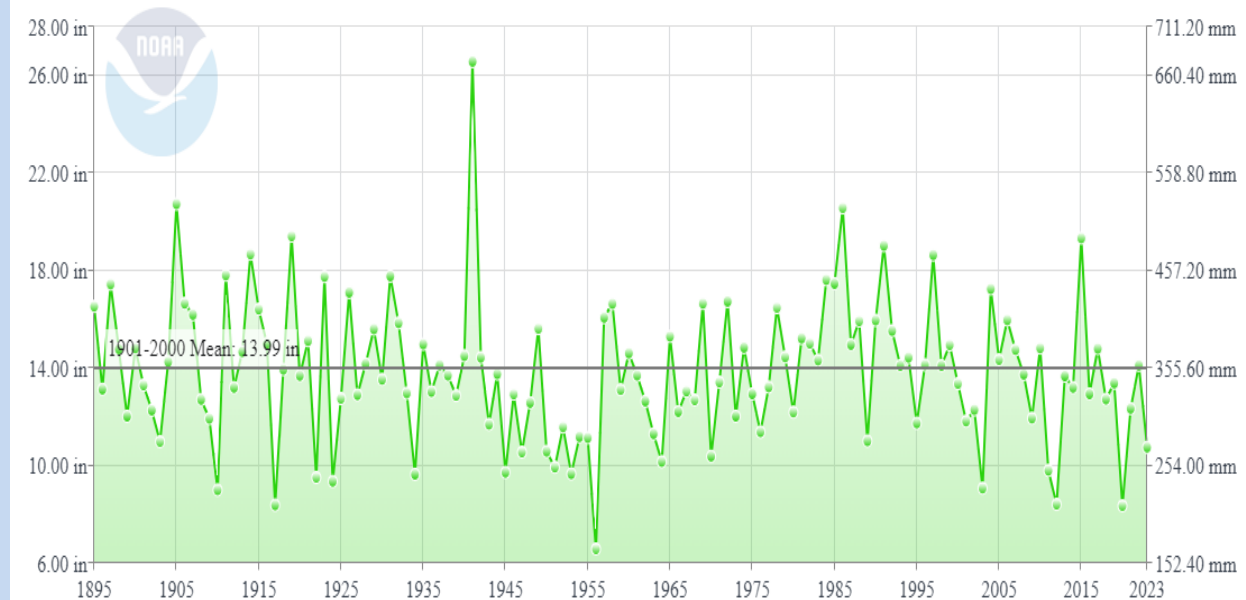
January-December



Precipitation

New Mexico Precipitation

January-December



The average statewide temperature was 55.4° which was 2.5° above the long-term normal of 52.9° (1901-2000). This ranks as the 7th warmest year on record for New Mexico (1895-2023).

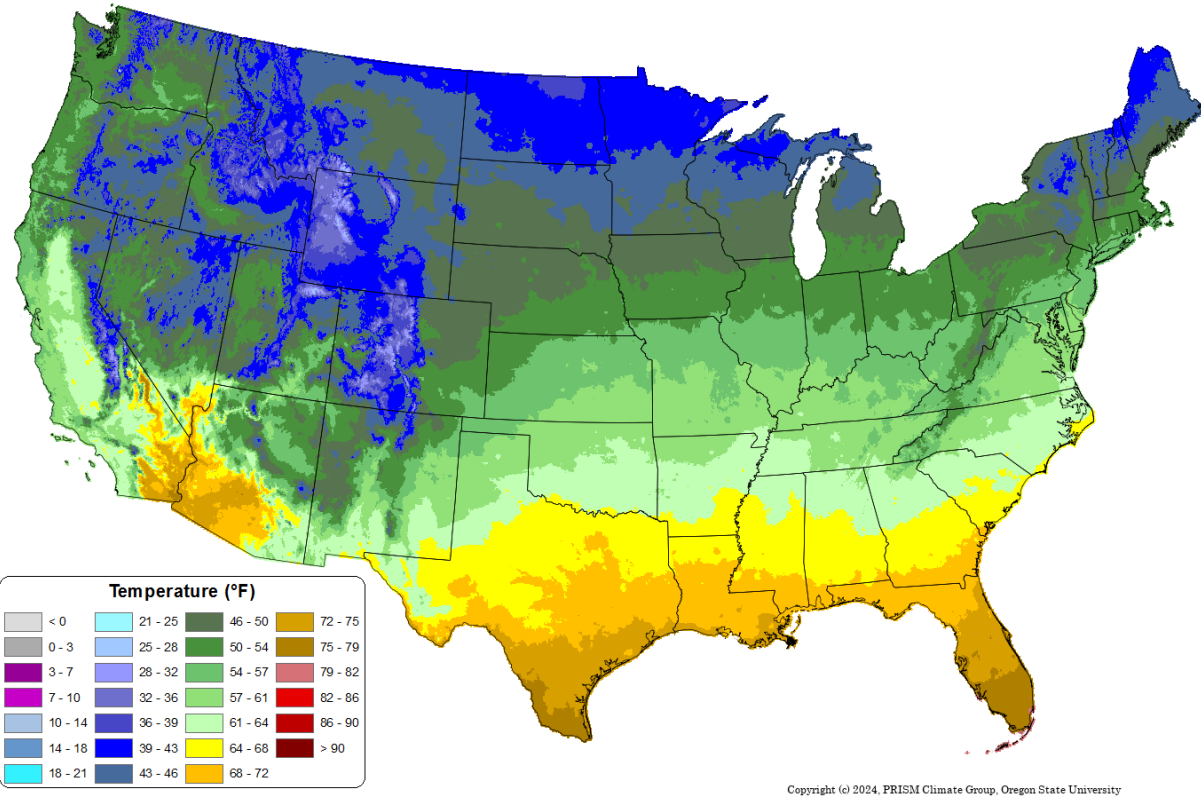
The average statewide precipitation was 10.75" which was 3.24" below the long-term normal of 13.99" (1901-2000). This ranks as the 18th driest year on record for New Mexico (1895-2023).



Actual

Average Annual Mean Temperature: 2023

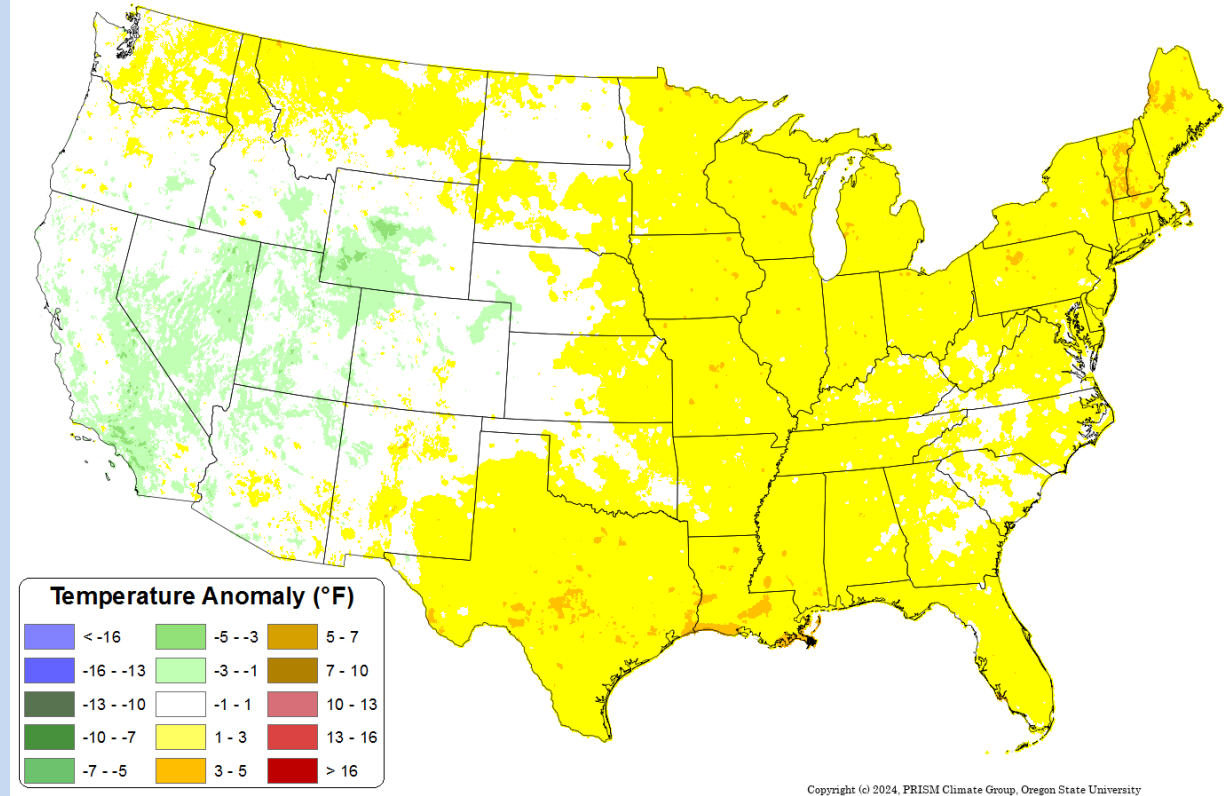
(Map created 16 Jan 2024)



Anomaly

Annual Daily Mean Temperature Anomaly: 2023

Period ending 31 Dec 2023
Base period: 1991-2020
(Map created 16 Jan 2024)

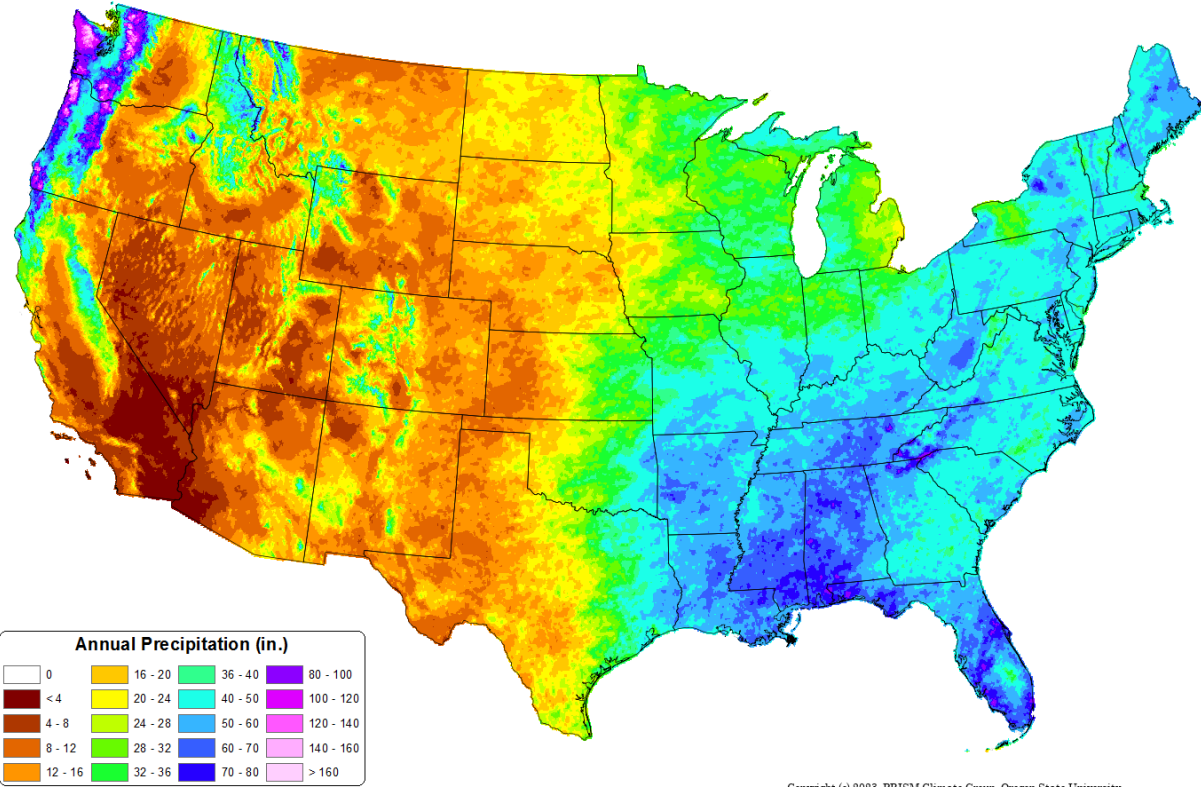




Actual

Annual Precipitation: 2022

(Map created 18 Jan 2023)



Copyright (c) 2023, PRISM Climate Group, Oregon State University

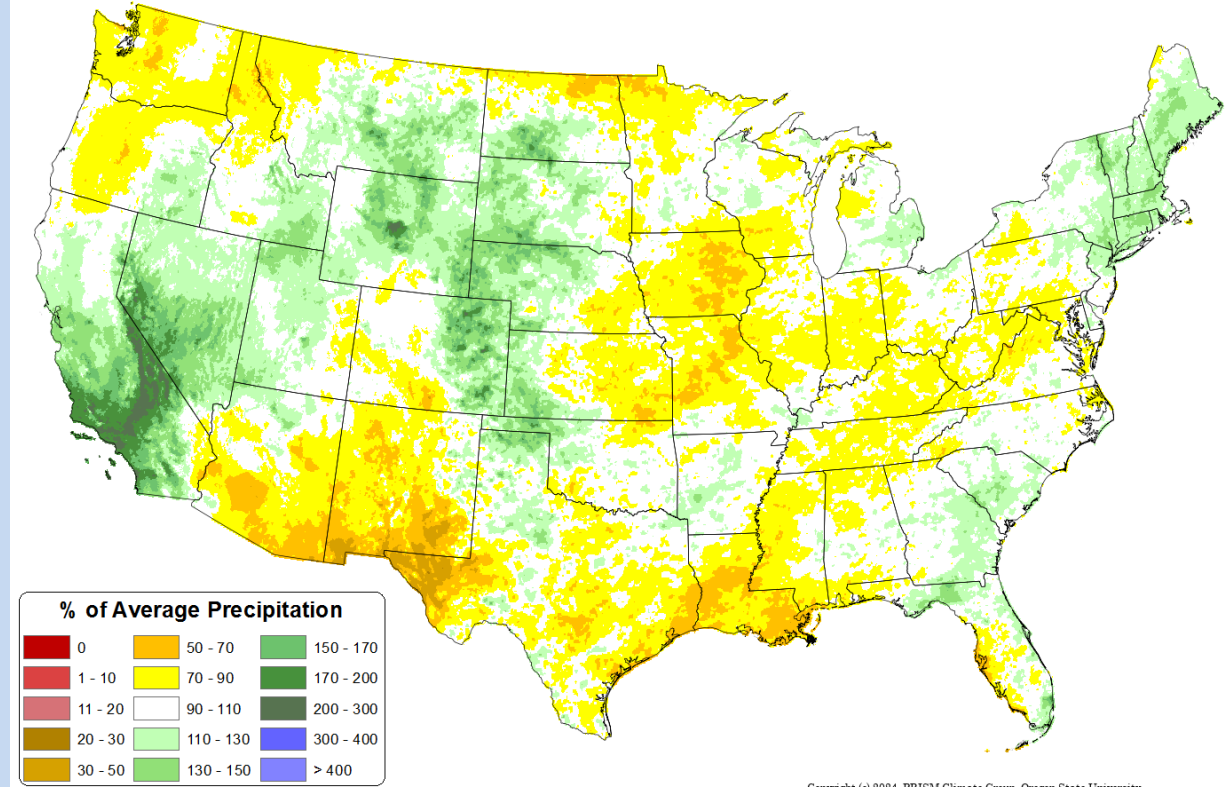
Anomaly

Total Annual Precipitation Anomaly: 2023

Period ending 31 Dec 2023

Base period: 1991-2020

(Map created 16 Jan 2024)



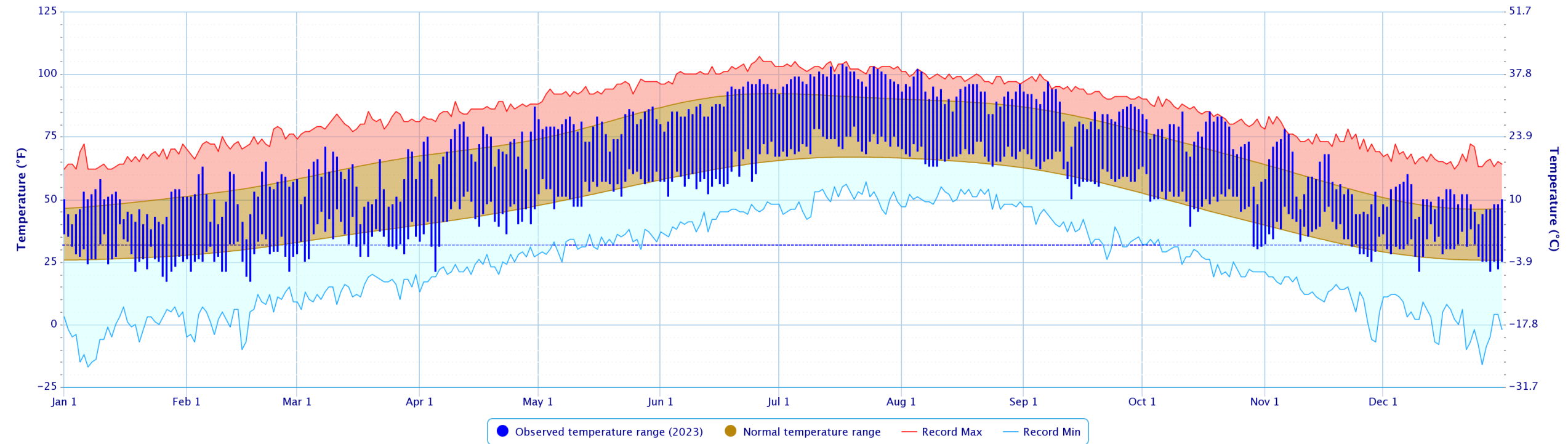
Copyright (c) 2024, PRISM Climate Group, Oregon State University



Average Temperature: 59.0°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

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

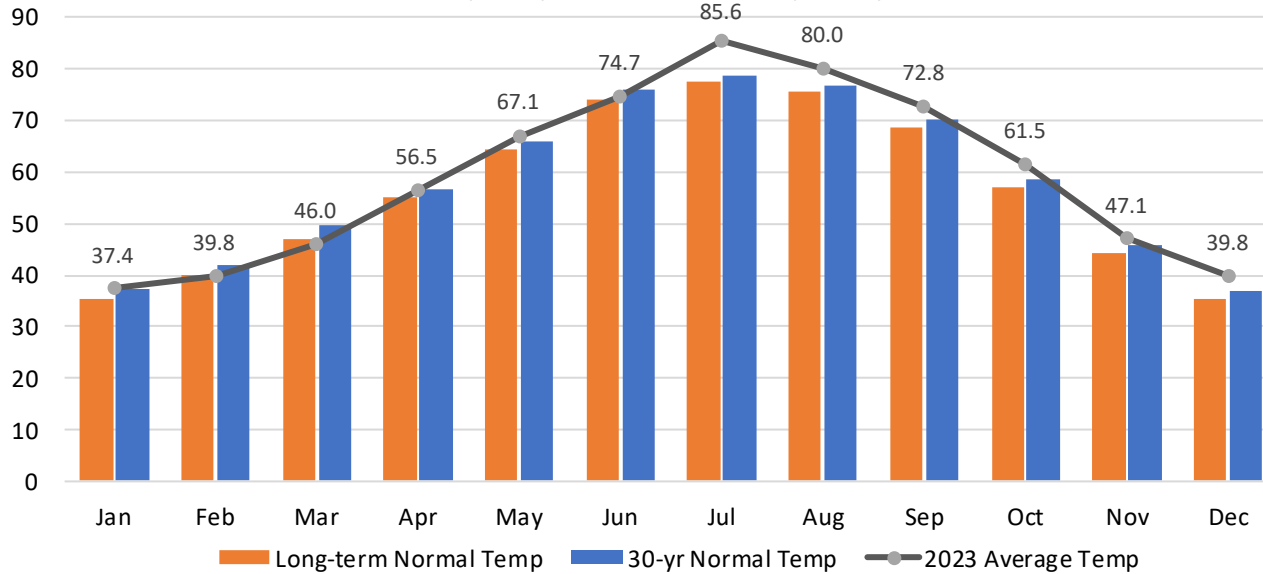


Powered by ACIS

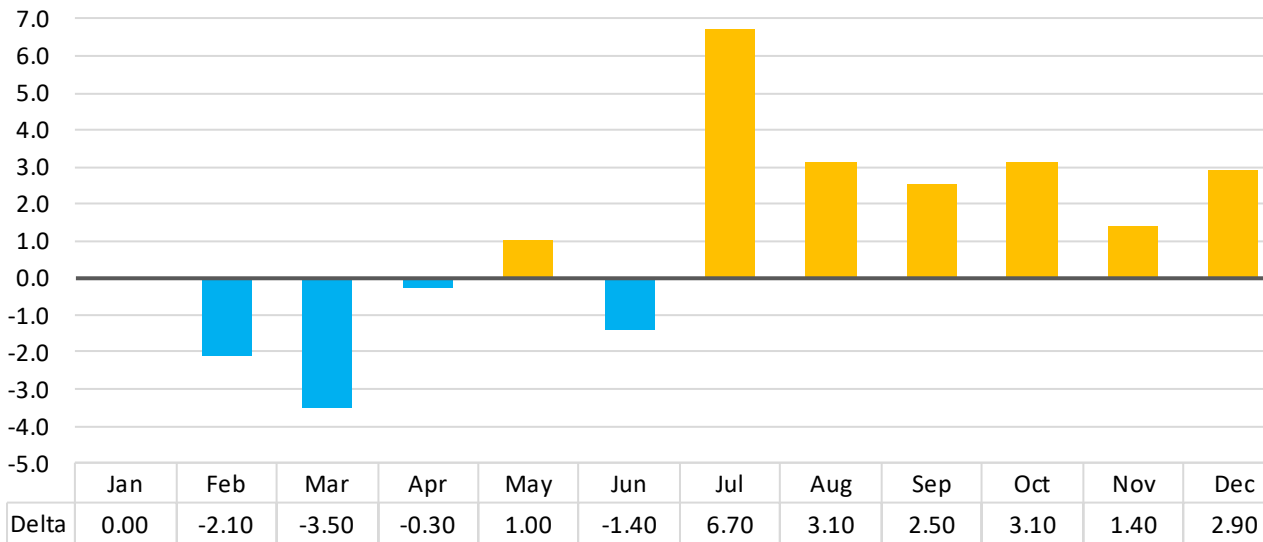
The average temperature for Albuquerque in 2023 was 59.0°, which was 1.1° above the normal of 57.9°. The average maximum temperature was 71.4°. This was 1.1° above the normal average maximum temperature of 70.3°. The average minimum temperature was 46.7°. This was 1.2° above the normal average minimum temperature of 45.5°.



Albuquerque 2023 Monthly Temperature



Albuquerque Monthly Temperature Departure from 30-Year Normal



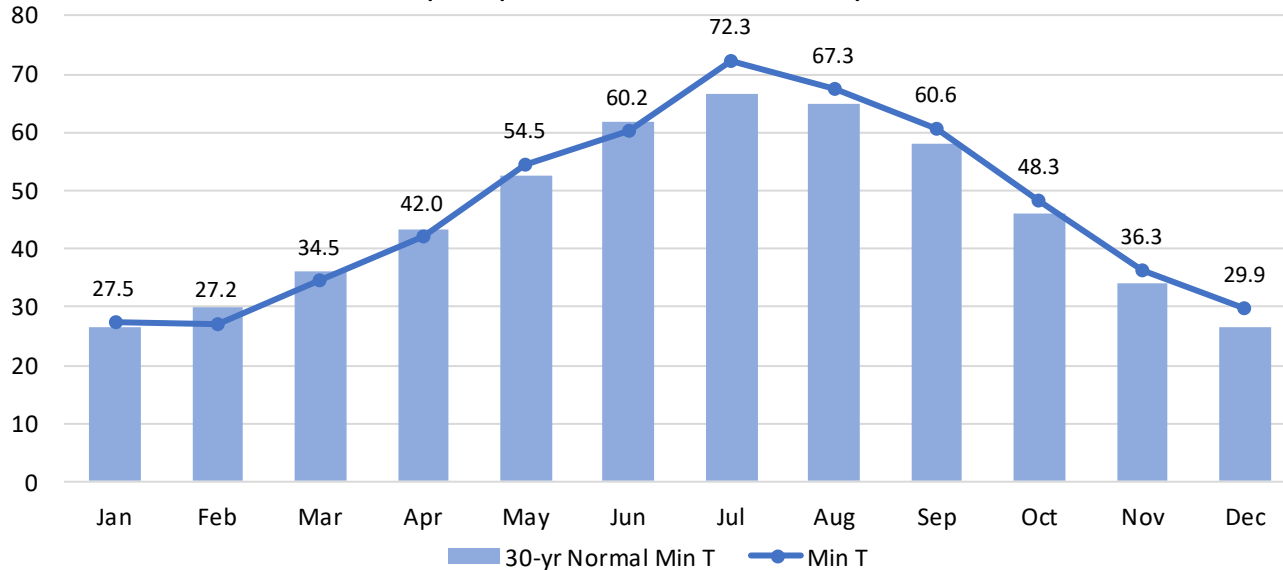
Average temperatures for the Albuquerque Sunport in 2023 were above normal. The first half of 2023 was near to below normal followed by well above normal temperatures for the second half of 2023. February and March were cold with many days below normal. April through June were more seasonable for the most part. July was absolutely brutal with widespread record heat. Monthly averages then remained above normal for the rest of 2023.



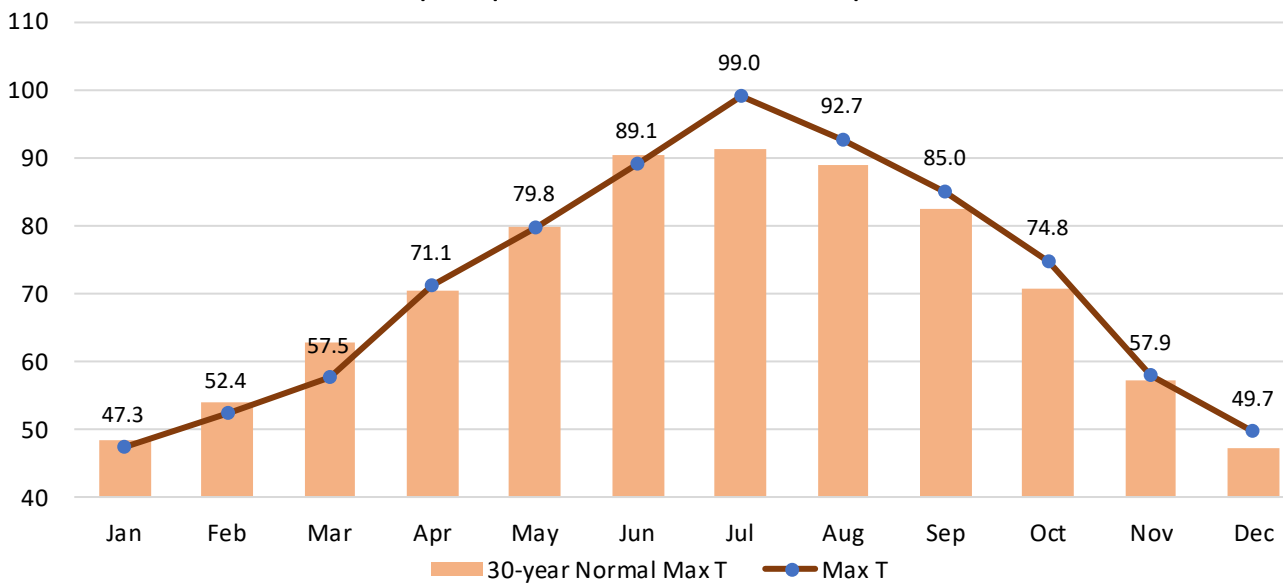
La Joya | September 13, 2023
 Courtesy @chicano031 via X



Albuquerque 2023 Minimum Temperatures



Albuquerque 2023 Maximum Temperatures



Average minimum temperatures for the Albuquerque Sunport in 2023 followed suit with the overall trend for the year. February and March were pretty cold while April, May, and June were closer to normal. July and August were just downright nasty with many folks suffering in record heat through the overnight hours! Minimum temperatures tried to cool closer to normal briefly in November but overall readings stayed above normal through the end of the year.



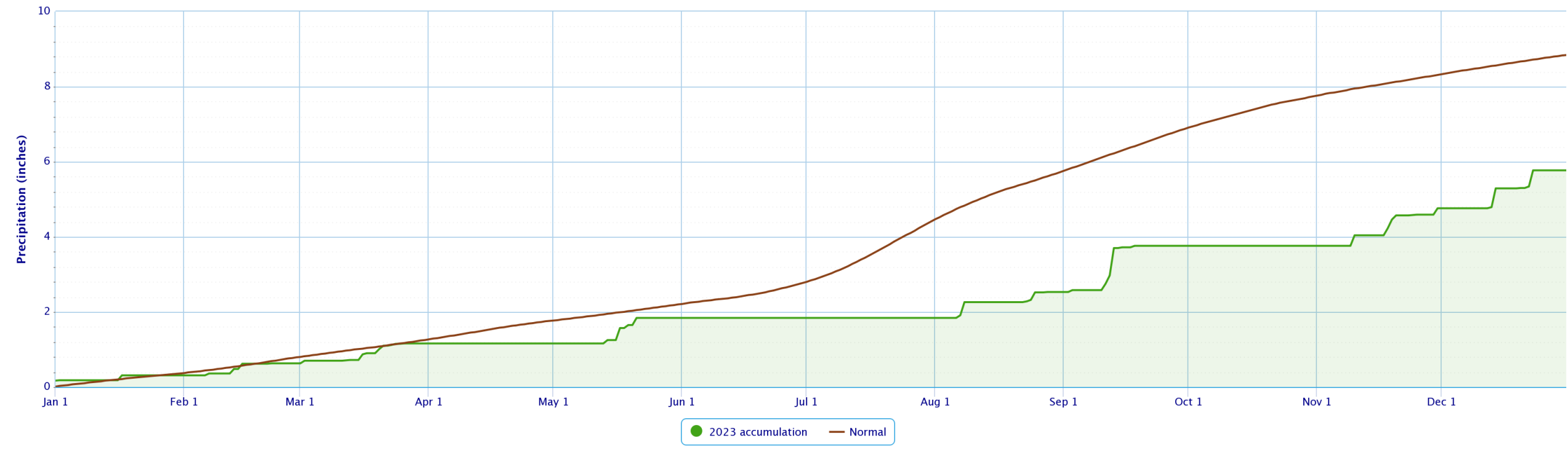
ABQ Foothills | February 26, 2023
 Courtesy Christian Manzer



Total Precipitation: 5.77"

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

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

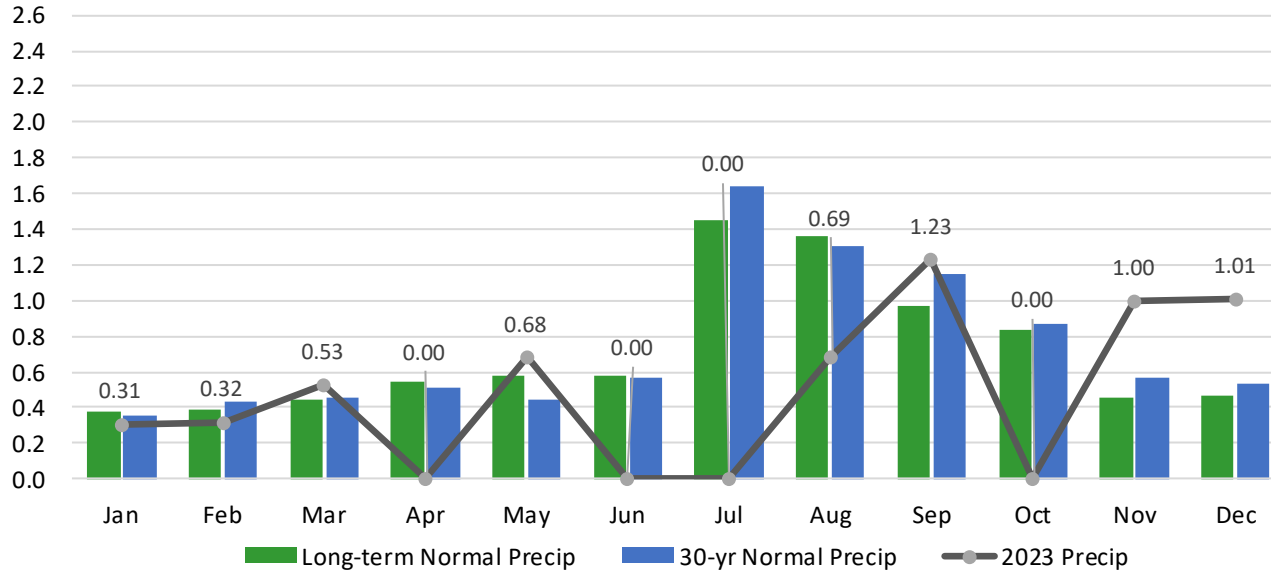


Powered by ACIS

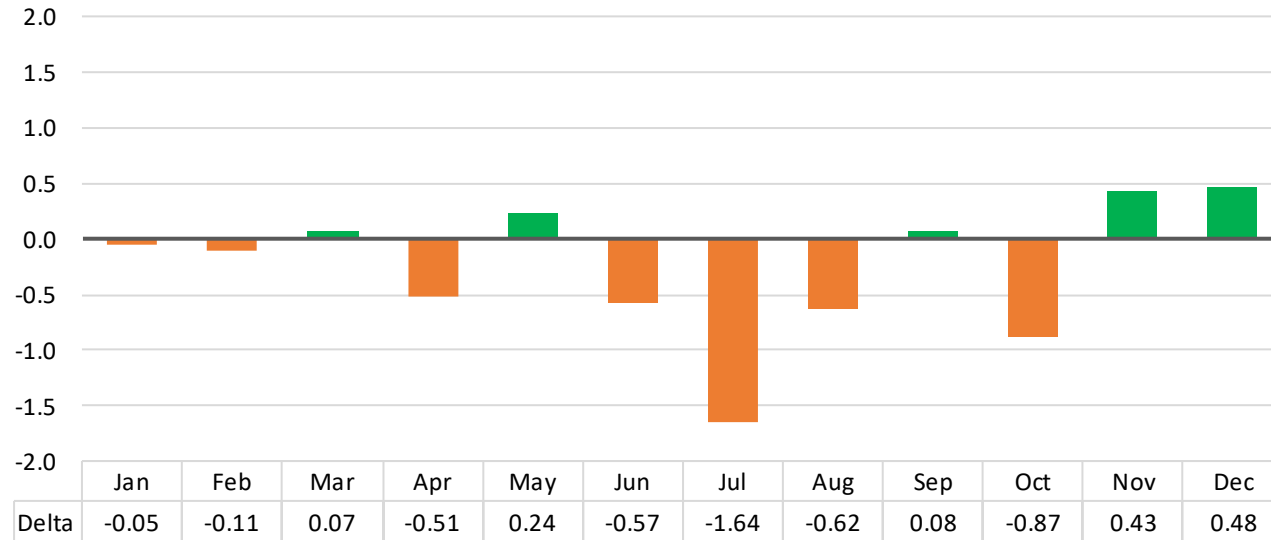
The total precipitation for Albuquerque in 2023 was 5.77", which was 3.07" below the normal yearly precipitation of 8.84". The red line is the 30-year normal accumulation expected throughout the year and the green line is the actual accumulation in 2023.



Albuquerque 2023 Monthly Precipitation



Albuquerque Monthly Precipitation Departure from 30-Year Normal



Precipitation at the Albuquerque Sunport for 2023 was a total rollercoaster ride. Four months of the year recorded no measurable precipitation at all (April, June, July, and October). The typical monsoon pattern was nonexistent in July and took a while to kick in through August. September saw the greatest monthly precipitation. November and December did well but it was not enough to come close to average for the year.

There was only 4.1” of snow in calendar year 2023, compared to the normal of 7.9”.



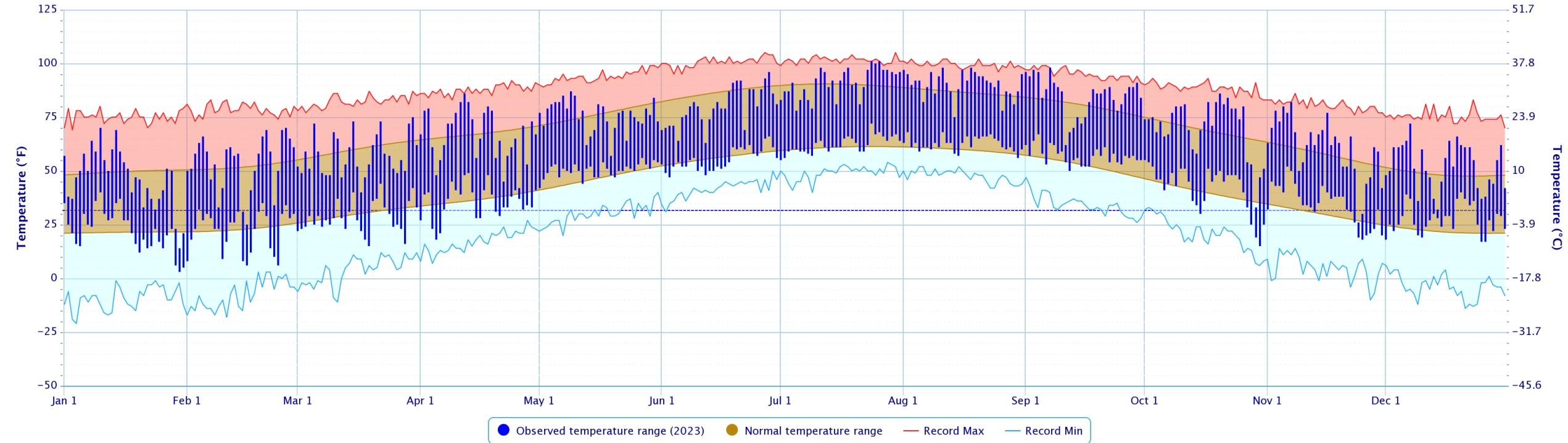
Meadow Lake | November 18, 2023
Courtesy Sid Smith



Average Temperature: 55.3°

Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2024-01-01. Normals period: 1991-2020. Click and drag to zoom chart.

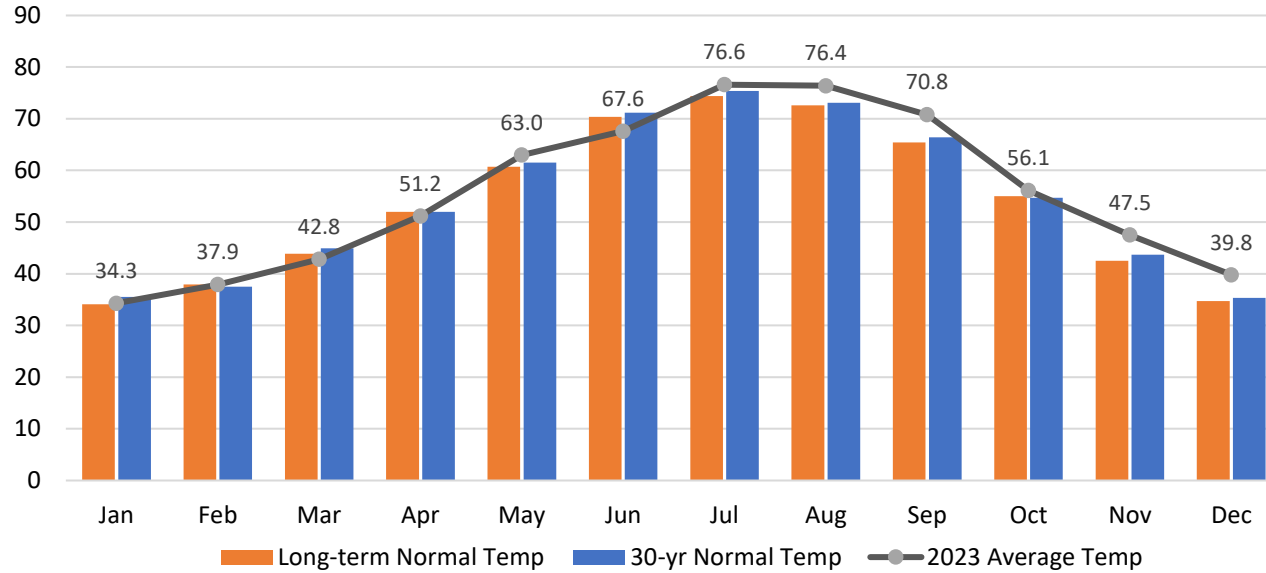


Powered by ACIS

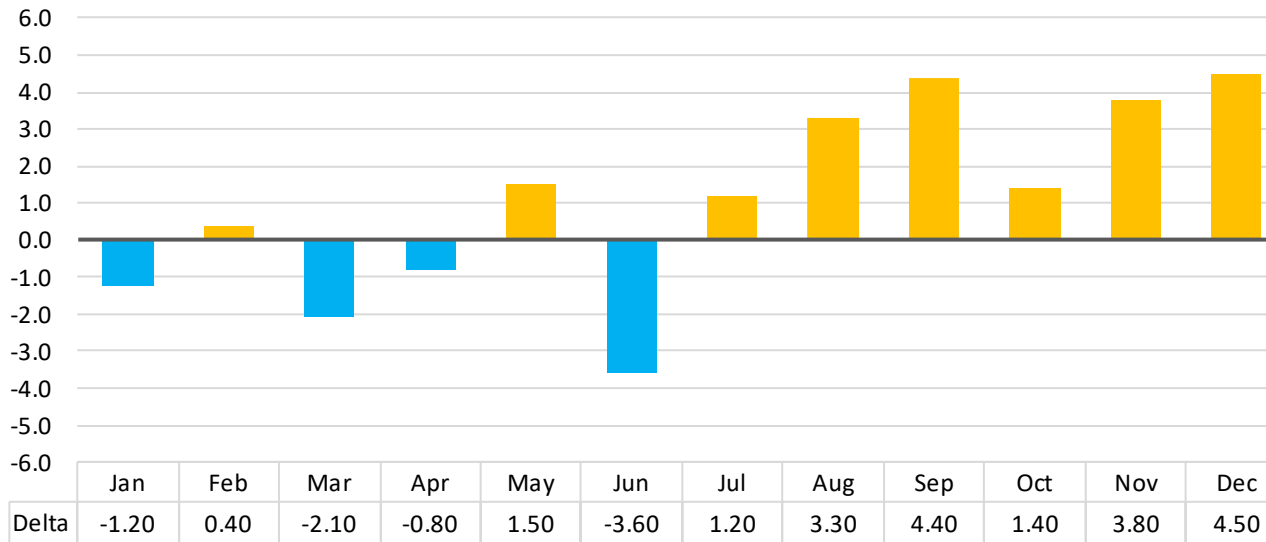
The average temperature for Clayton in 2023 was 55.3°, which was 1.0° above the normal of 54.3°. The average maximum temperature was 69.1°. This was 0.4° above the normal average maximum temperature of 68.7°. The average minimum temperature was 41.5°. This was 1.6° above the normal average minimum temperature of 39.9°.



Clayton 2023 Monthly Temperature



Clayton Monthly Temperature Departure from 30-Year Normal



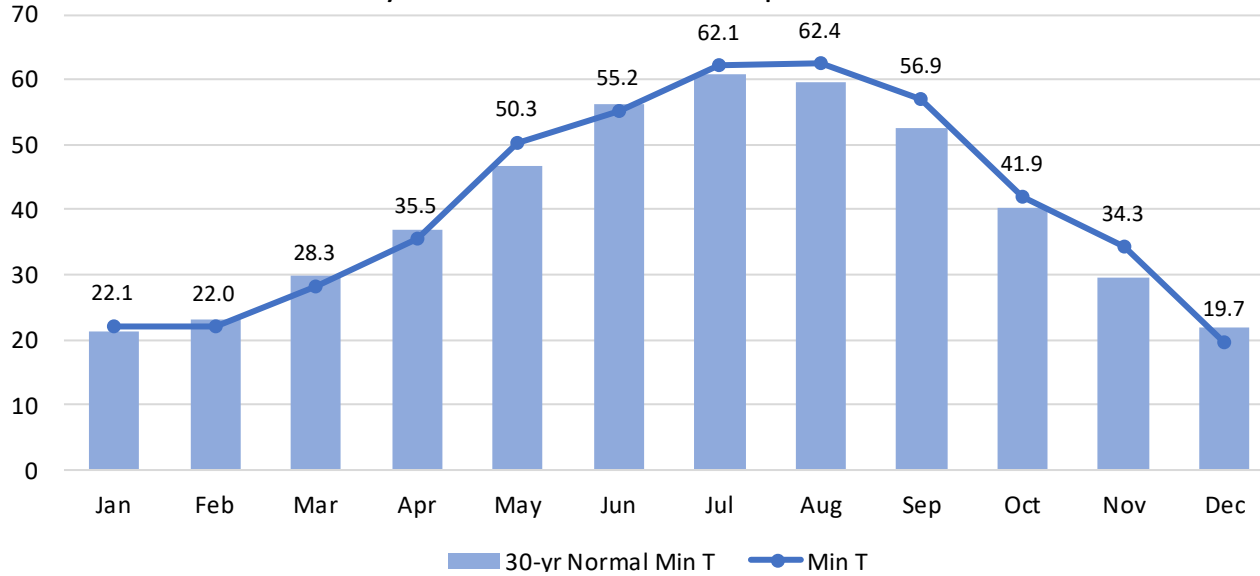
Average temperatures for the Clayton Airport in 2023 were above normal once again. Average temperatures took a rollercoaster ride in 2023 with several dramatic swings from below normal to above normal. February was cold with readings 2.1° below normal. June was 3.6° below normal with daily bouts of rain and thunderstorms. The cooler the normal temperatures quickly became a thing of the past as the remainder of 2023 was above normal, especially September and December.



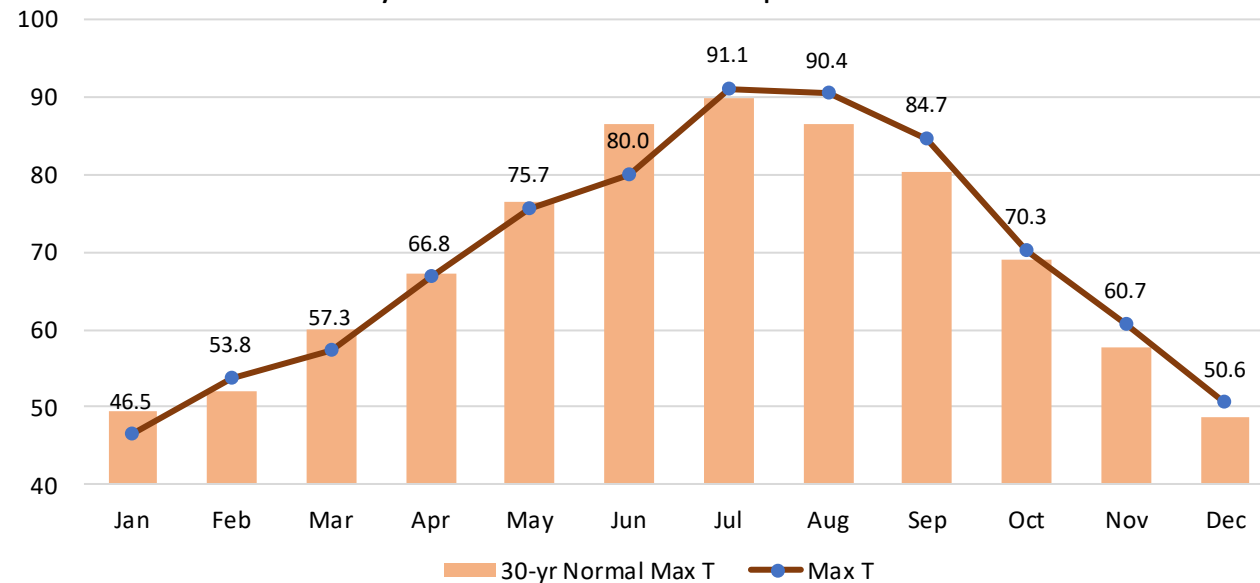
Grady | May 25, 2023
Courtesy Landon Moeller via X



Clayton 2023 Minimum Temperatures



Clayton 2023 Maximum Temperatures



Average minimum and maximum temperatures for Clayton in 2023 were above normal. Average minimum temperatures were above normal for much of the year, especially May, September, and November. January, March, and June maximum temperatures were well below normal then the rest of the year was above normal.



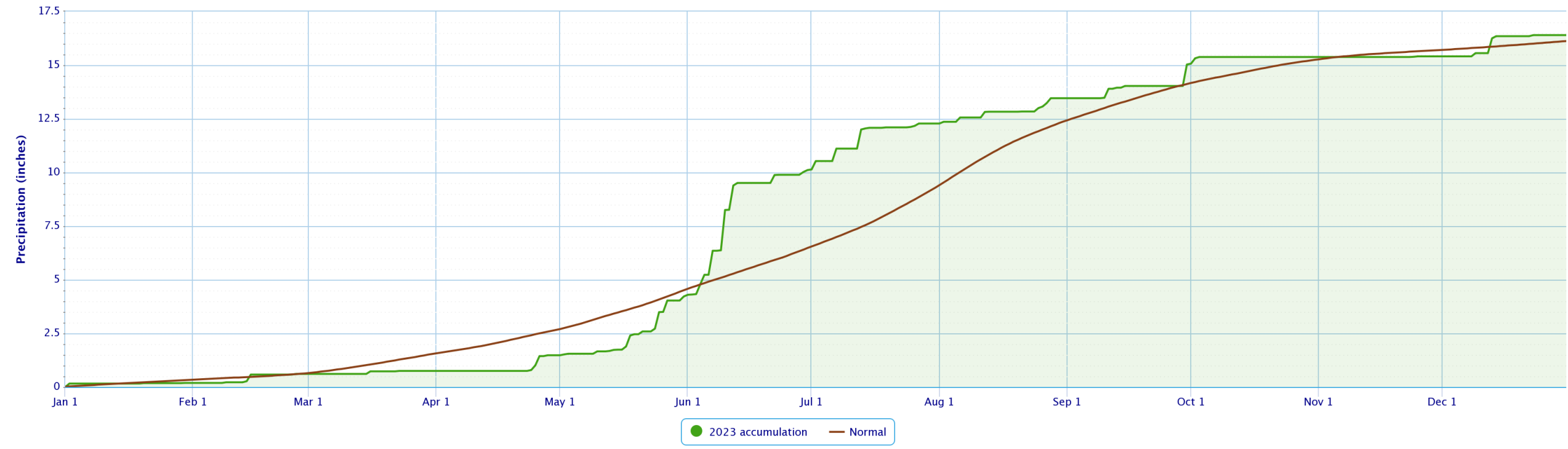
Johnson Mesa | May 30, 2023
Courtesy Zach Osborn



Total Precipitation: 16.40"

Accumulated Precipitation – Clayton Area, NM (ThreadEx)

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

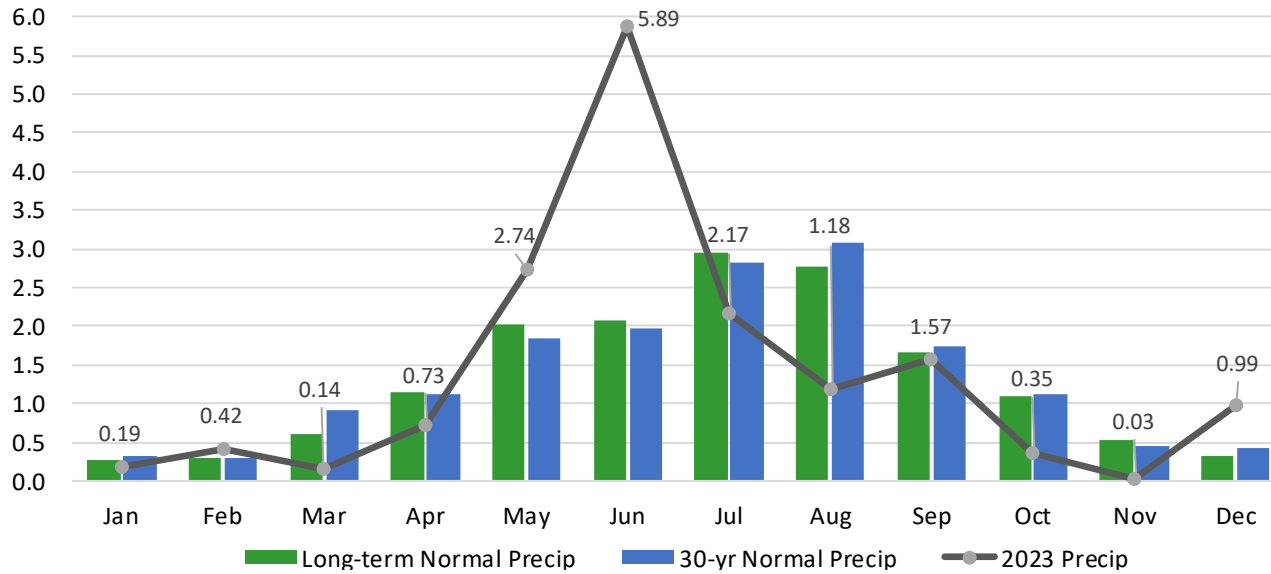


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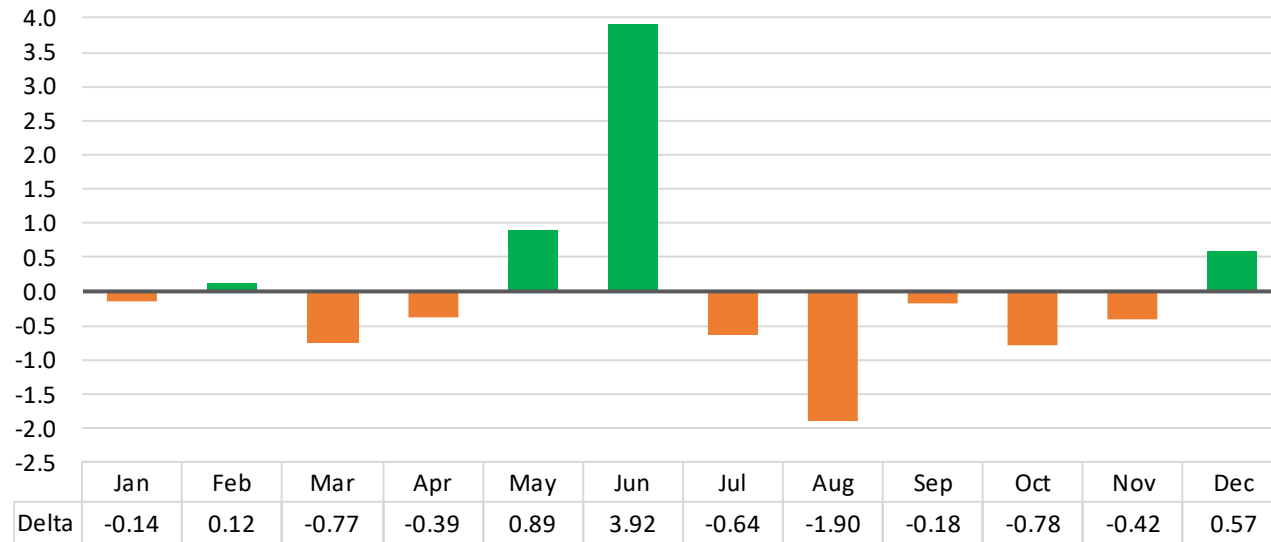
The total precipitation for Clayton in 2023 was 16.40", which was 0.28" above the normal of 16.12".



Clayton 2023 Monthly Precipitation



Clayton Monthly Precipitation Departure from 30-Year Normal



The late spring and early summer months saw well above normal precipitation at Clayton. Nearly half of the entire year's precipitation occurred in May and June. The rest of 2023 was drier than normal with the exception of December. Drought improved in 2023 for northeast NM with a few areas drought-free by 2024.

There was 10.6" of snow in calendar year 2023, compared to the normal of 22.3".



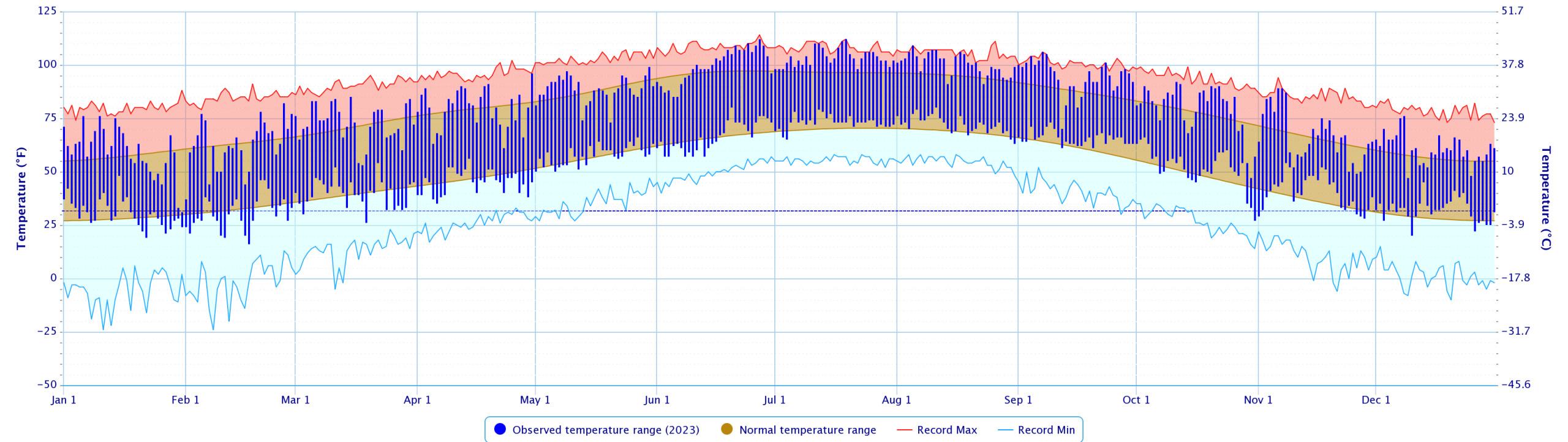
Pasamonte | June 12, 2023
Courtesy Chip Britt



Average Temperature: 65.4°

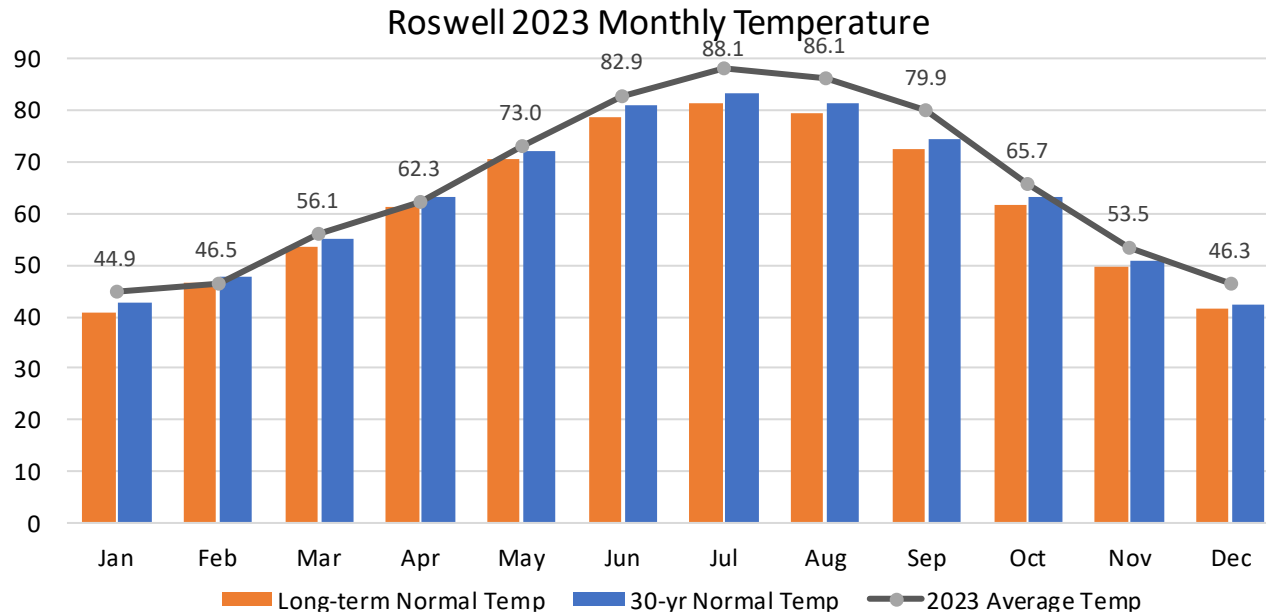
Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2024-01-01; Min temperature: 1893-01-21 to 2024-01-01. Normals period: 1991-2020. Click and drag to zoom chart.

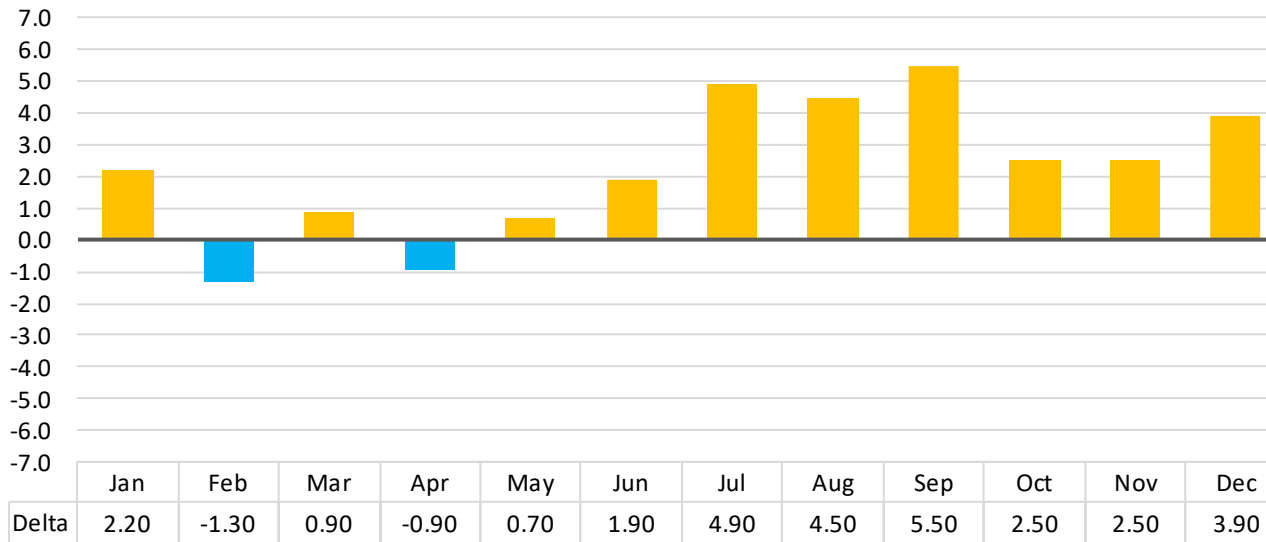


Powered by ACIS

The average temperature for Roswell in 2023 was 65.4°, which was 2.2° above the normal of 63.2°. The average maximum temperature was 80.6°. This was 2.8° above the average maximum temperature of 77.8°. The average minimum temperature was 50.2°. This was 1.7° above the normal average minimum temperature of 48.5°.



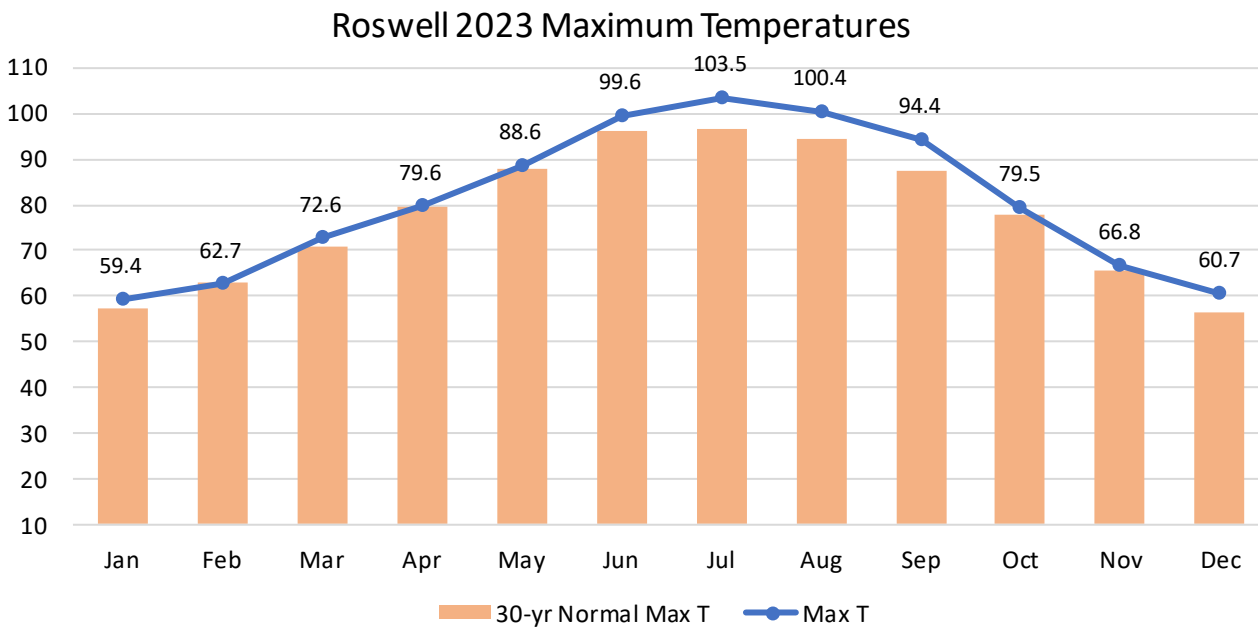
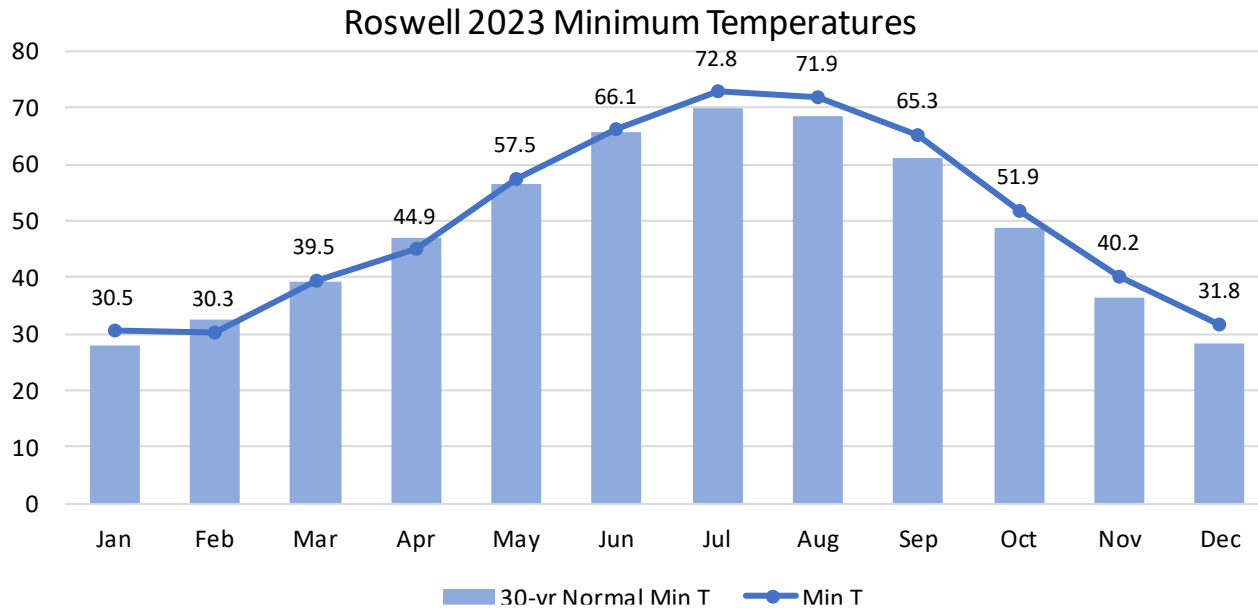
Roswell Monthly Temperature Departure from 30-Year Normal



Average temperatures at the Roswell Industrial Air Park in 2023 were the warmest on record dating back to 1893. With the exception of slightly below normal temperatures in February and April, the remaining 10 months of the year were above normal. July through September was absolutely brutal with many days in the 100s. Records were reported with lots of highs above 105° and even above 110°.



Encino | May 26, 2023
 Courtesy Andrew Justin via X



Average minimum and maximum temperatures for Roswell in 2023 were above normal. February and April low temperatures were slightly below normal. June through September were impressively warm with two months nearly 7° above normal. July and September were both the warmest months on record for the Roswell area.



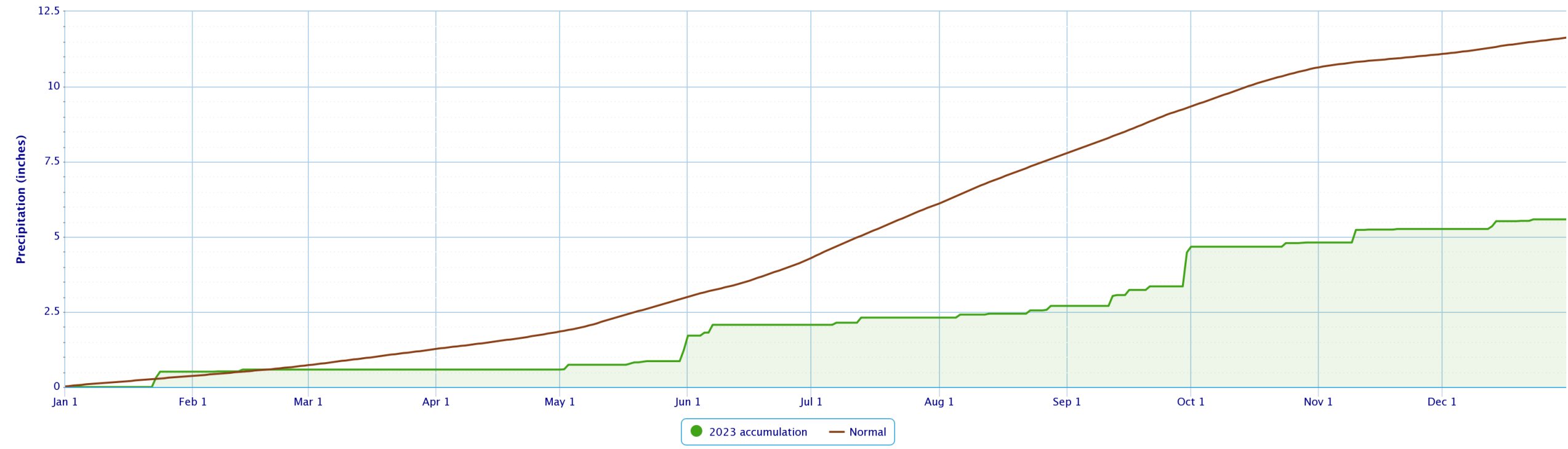
Roswell | February 26, 2023
 Courtesy Guy Maline



Total Precipitation: 5.58"

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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

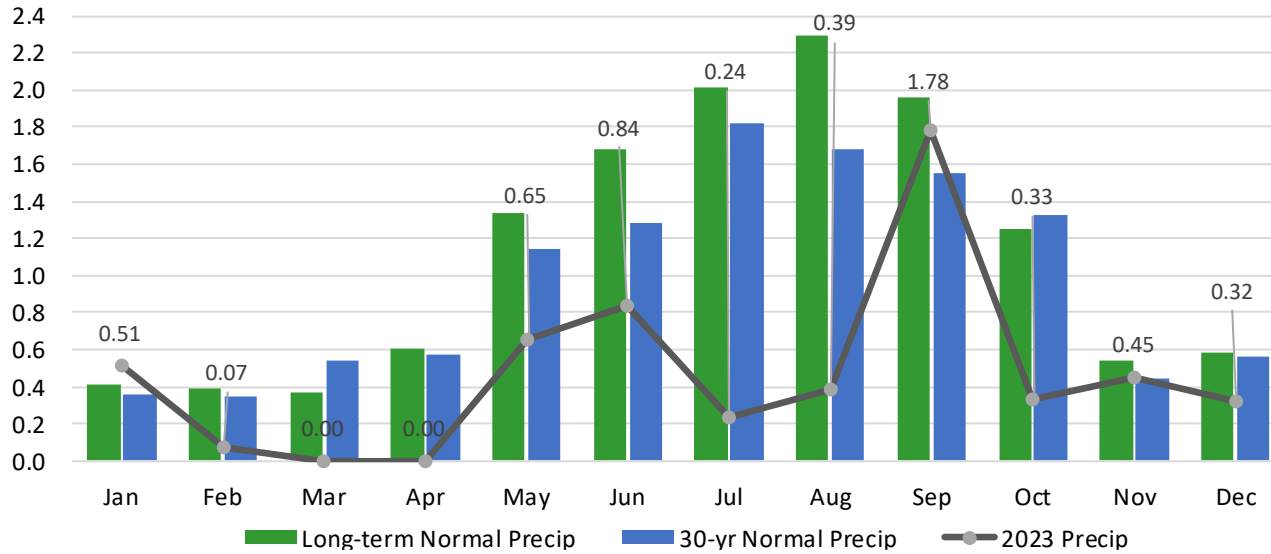


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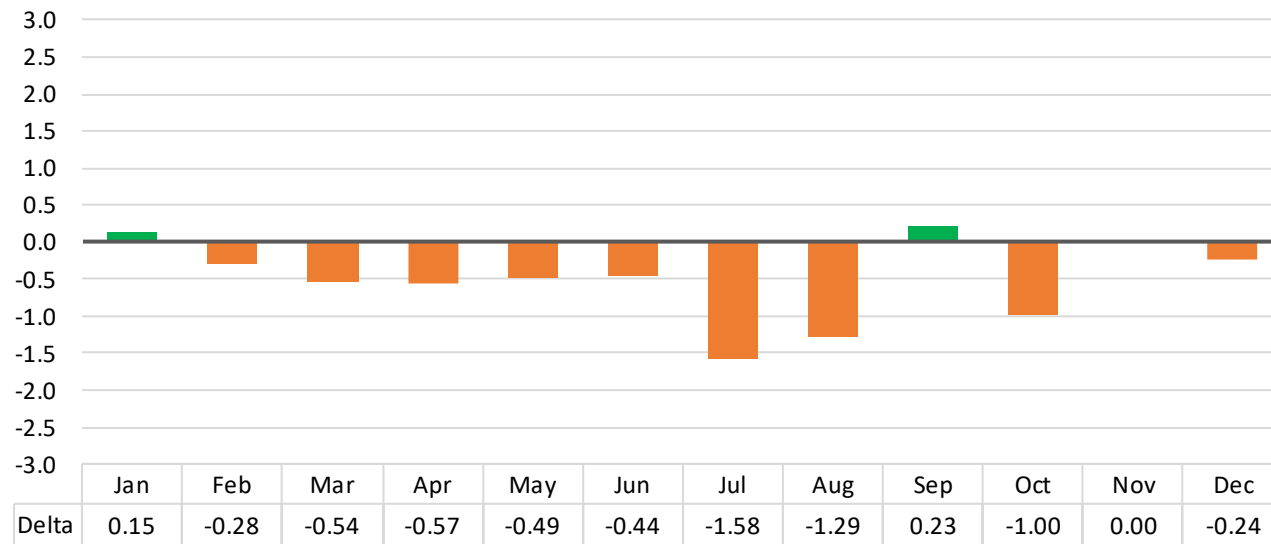
The total precipitation for Roswell in 2023 was 5.58", which was 6.05" below the normal of 11.63".



Roswell 2023 Monthly Precipitation



Roswell Monthly Precipitation Departure from 30-Year Normal










Precipitation at the Roswell Industrial Air Park was well below normal. The annual total of 5.58", which was 6.05" below the normal of 11.63". The Roswell area picked up less than half of the average precipitation expected for the year. Nine months of the year were below normal, one month was near normal, and only two months were slightly above normal. Drought conditions deteriorated during 2023.

There was 2.2" of snow in calendar year 2023, compared to the normal of 9.6".



Clovis | January 24, 2023
Courtesy Jmazak via X



-  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
-  NWS Albuquerque Facebook
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