

July 2020 Climate Summary

Overview

Weather Forecast Office
Albuquerque, NM
Issued January 5, 2021 10:07 PM MDT



Synopsis

July 2020 was much warmer than normal, while precipitation was near to below normal, except above normal in the northeast. The first ten days of July were quiet by July standards. A weak tornado touched down west of Grenville in northeast New Mexico on the 4th and a flash flood was reported near Arabela in eastern Lincoln County. Isolated strong thunderstorm winds were reported on the 11th through 14th. Then severe weather struck the northeast on the 15th with large hail and even a landspout in Socorro County. The second half of July was much more active with high wind gusts from thunderstorm outflows on the 17th, and flash floods on the 19th. The best was yet to come with widespread damaging winds on the 24th, flash floods on the 26th and widespread large hail on the 31st.



July 20, 2020 at 12:40 pm MDT - View from NWS Albuquerque (Looking West)

July 19, 2020 - Courtesy of Stephen Lee (Twitter)



July 24, 2020 - Courtesy of Daniel Porter (Twitter)

July 26, 2020 at 10:30 am MDT - View from NWS Albuquerque (Looking NE)



July 2020 Climate Summary

State Temperatures

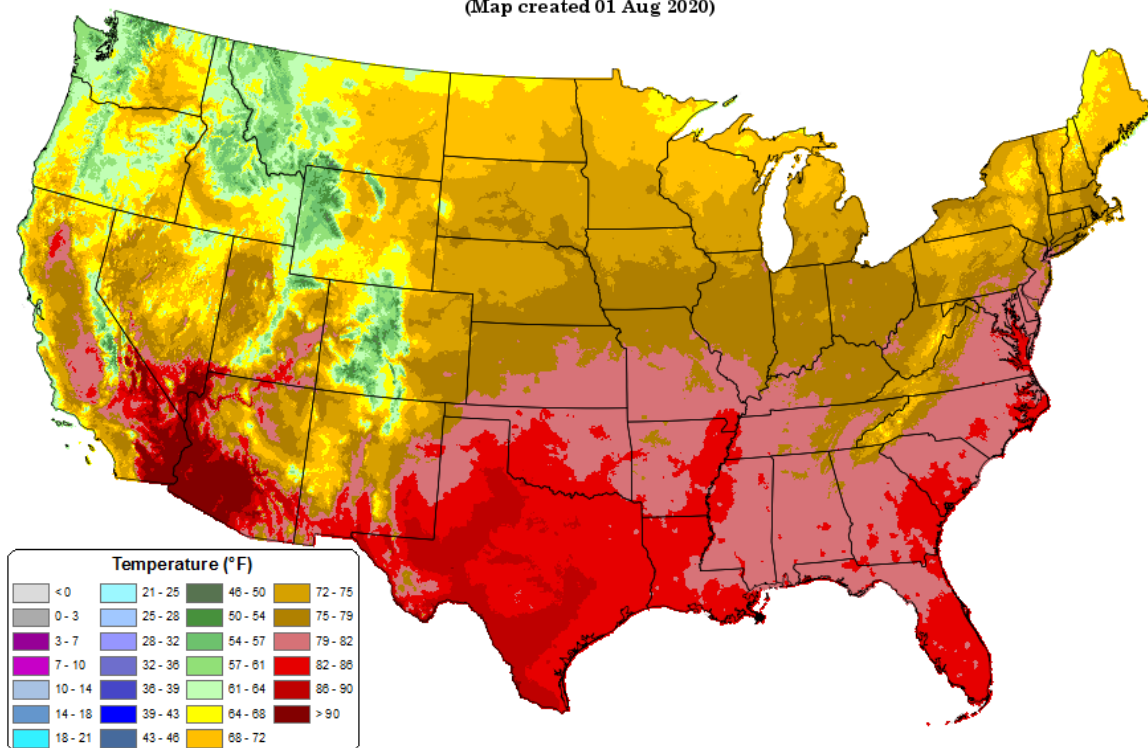
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Actual

Average Daily Mean Temperature: 01 Jul 2020 - 31 Jul 2020

Period ending 7 AM EST 31 Jul 2020
(Map created 01 Aug 2020)

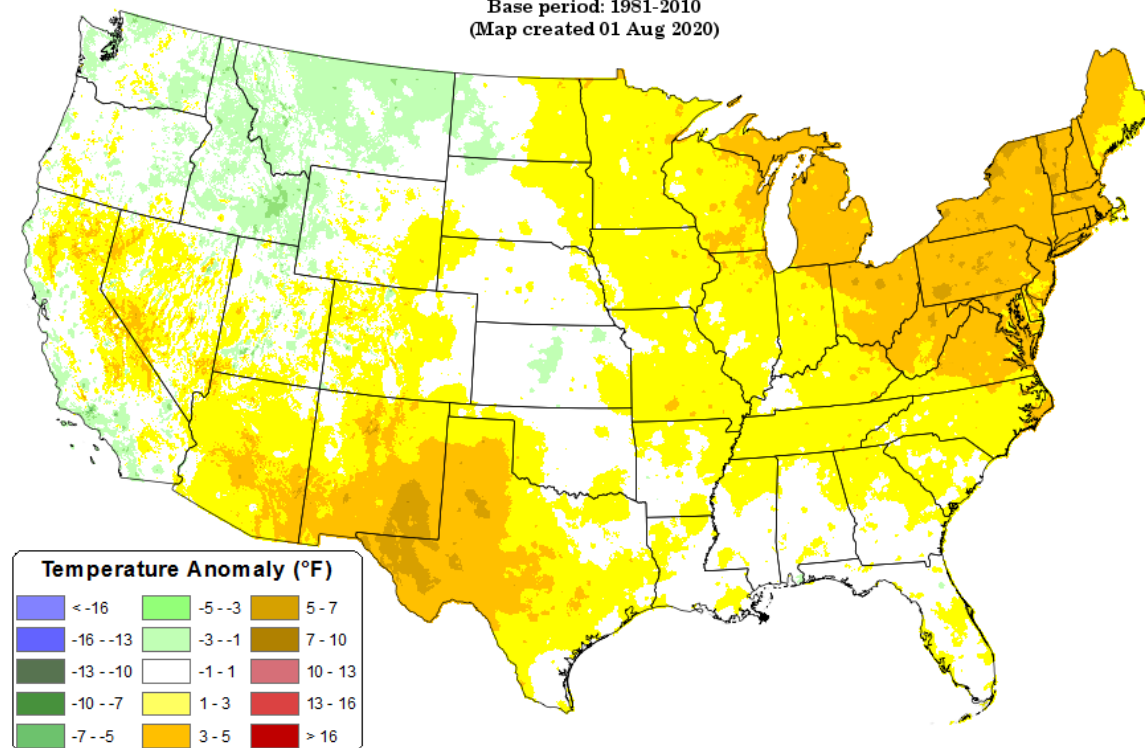


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Anomaly

Daily Mean Temperature Anomaly: 01 Jul 2020 - 31 Jul 2020

Period ending 7 AM EST 31 Jul 2020
Base period: 1981-2010
(Map created 01 Aug 2020)



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State Precipitation

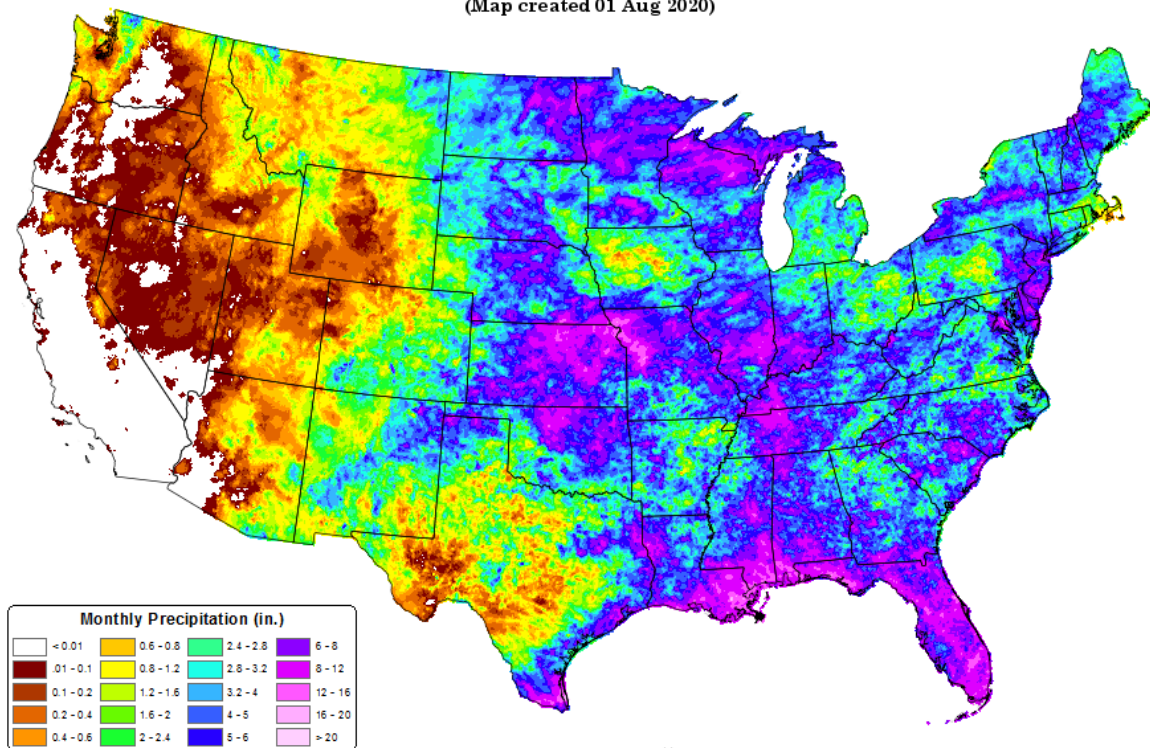
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Actual

Total Precipitation: 01 Jul 2020 - 31 Jul 2020

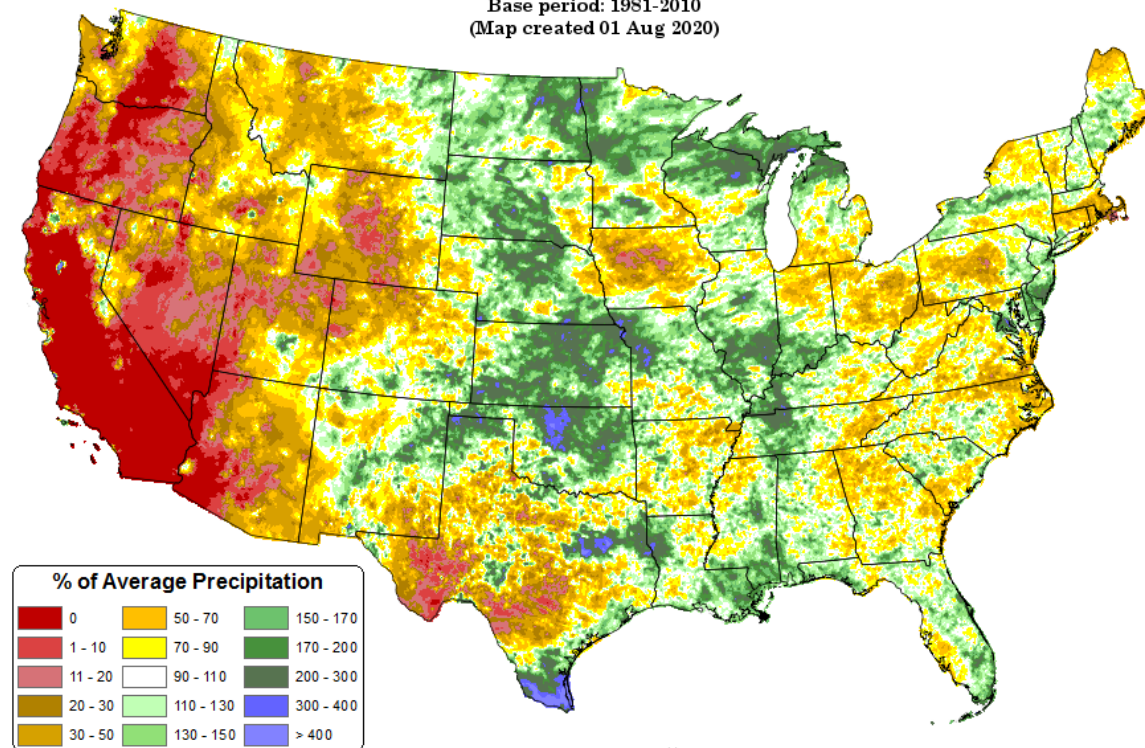
Period ending 7 AM EST 31 Jul 2020
(Map created 01 Aug 2020)



Anomaly

Total Precipitation Anomaly: 01 Jul 2020 - 31 Jul 2020

Period ending 7 AM EST 31 Jul 2020
Base period: 1981-2010
(Map created 01 Aug 2020)



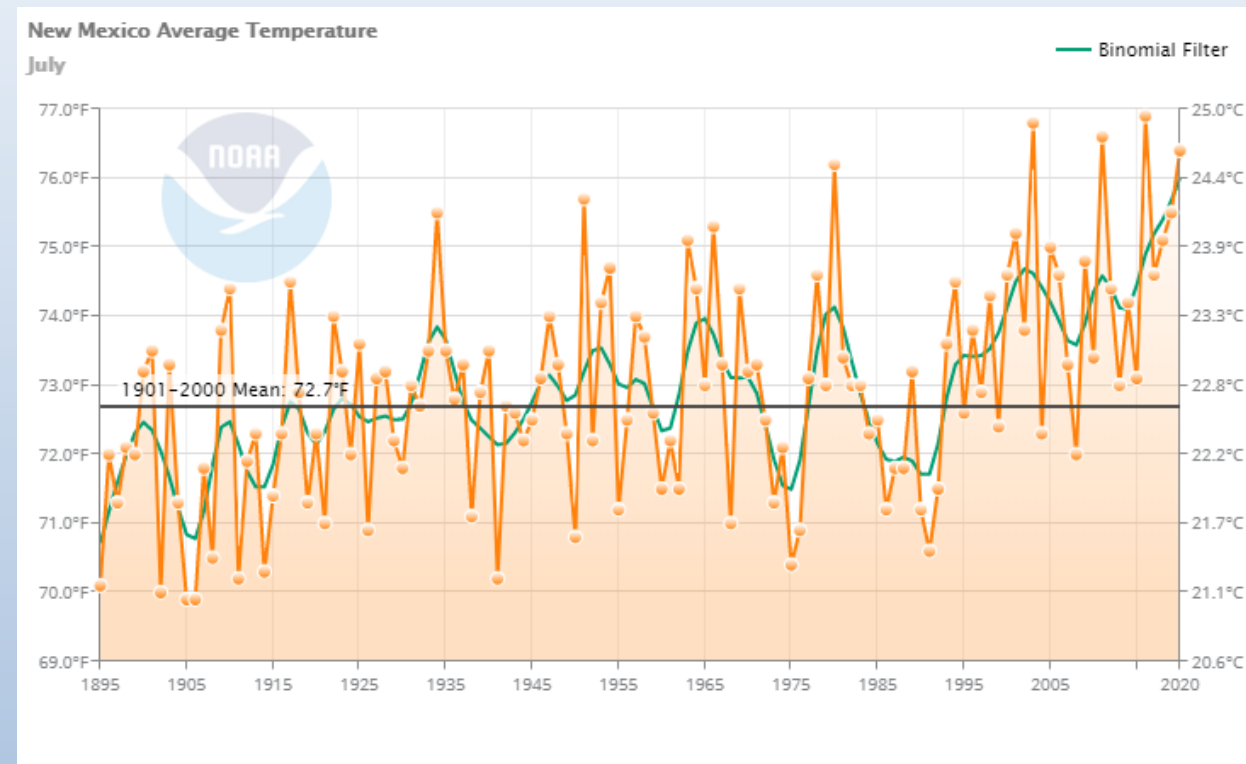
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Statewide Temperature & Precipitation Trends

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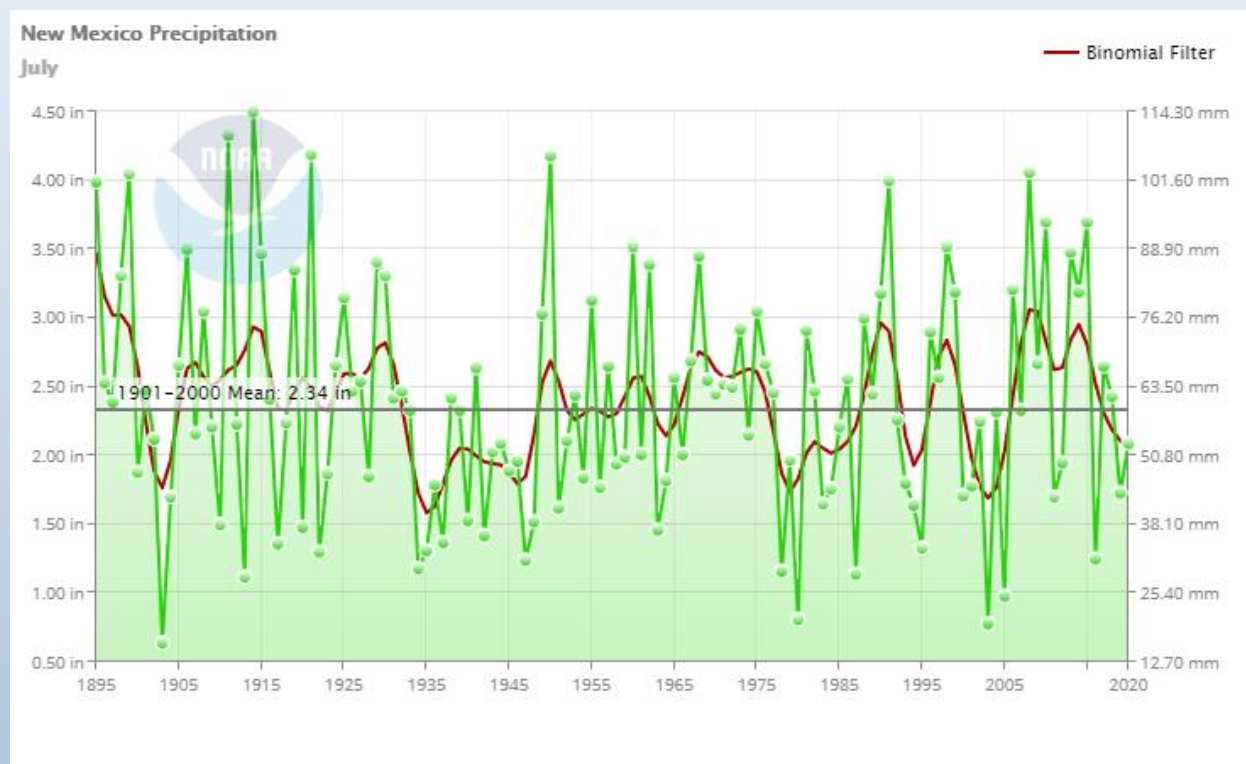


Temperature



The average statewide temperature was 76.4° which was 3.7° above the normal of 72.7° (1901-2000). This was the 4th warmest July on record!

Precipitation

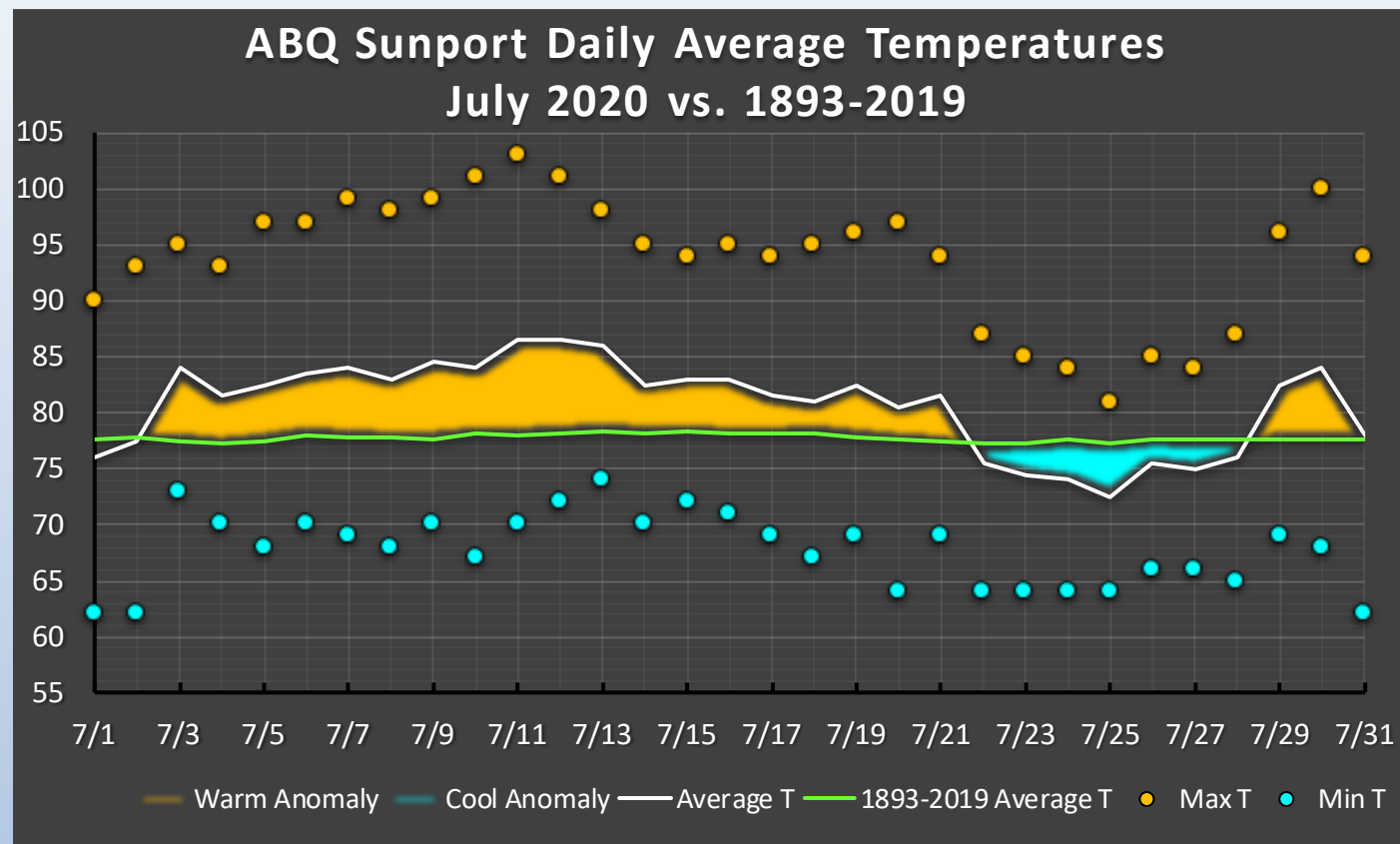


The average statewide precipitation was 2.09" which was 0.25" below the normal of 2.34" (1901-2000).

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Albuquerque Sunport Temperatures

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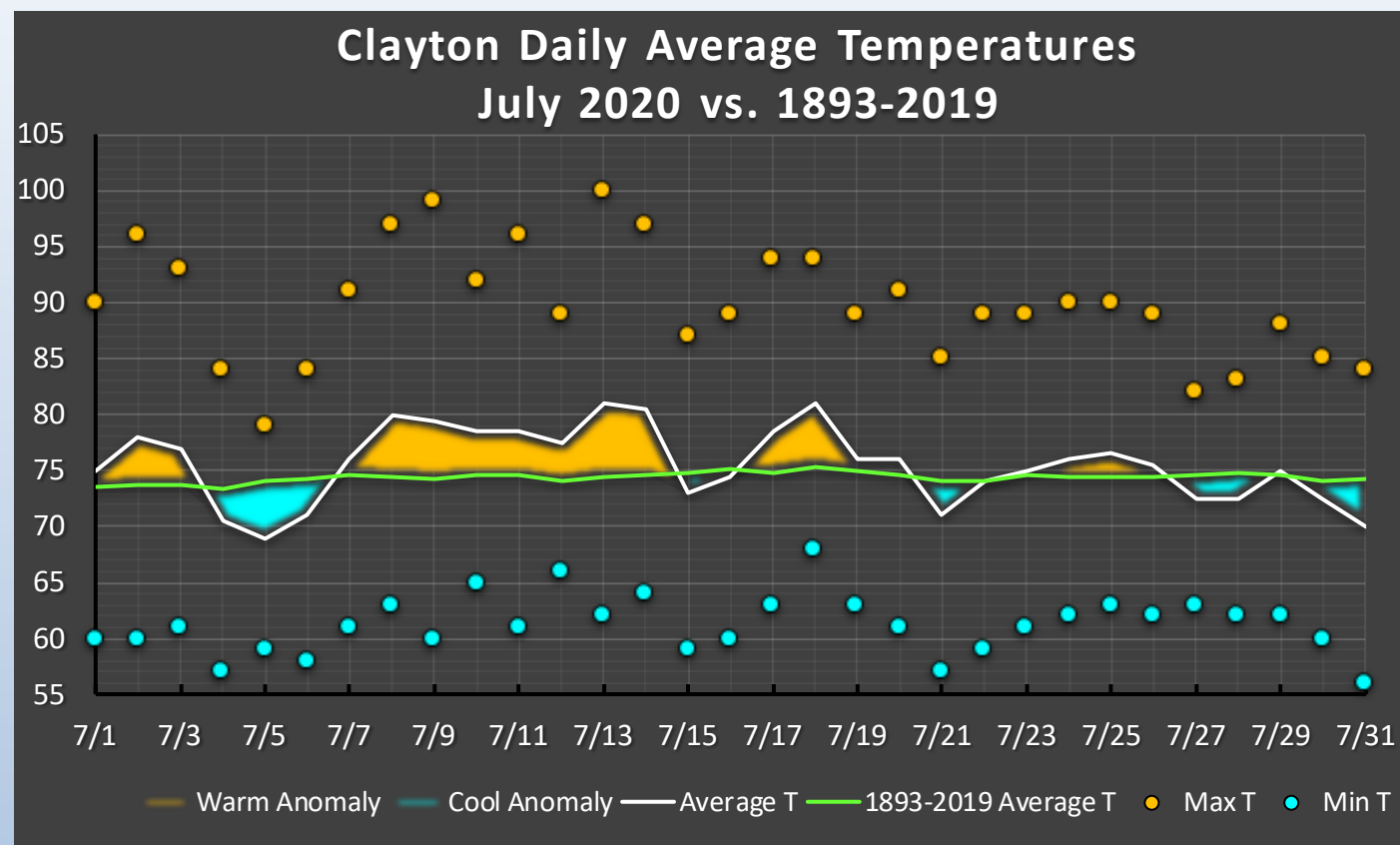
The average temperature for Albuquerque in July 2020 was 80.7°, which was 2.4° above the normal of 78.3°. The average maximum temperature for the month was 93.8°. This was 3.7° above the normal average maximum temperature of 90.1°. The average minimum temperature for the month was 67.6°. This was 1.2° above the normal average minimum temperature of 66.4°. This ranks as the 11th warmest July on record (1893-2020).

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Clayton Temperatures

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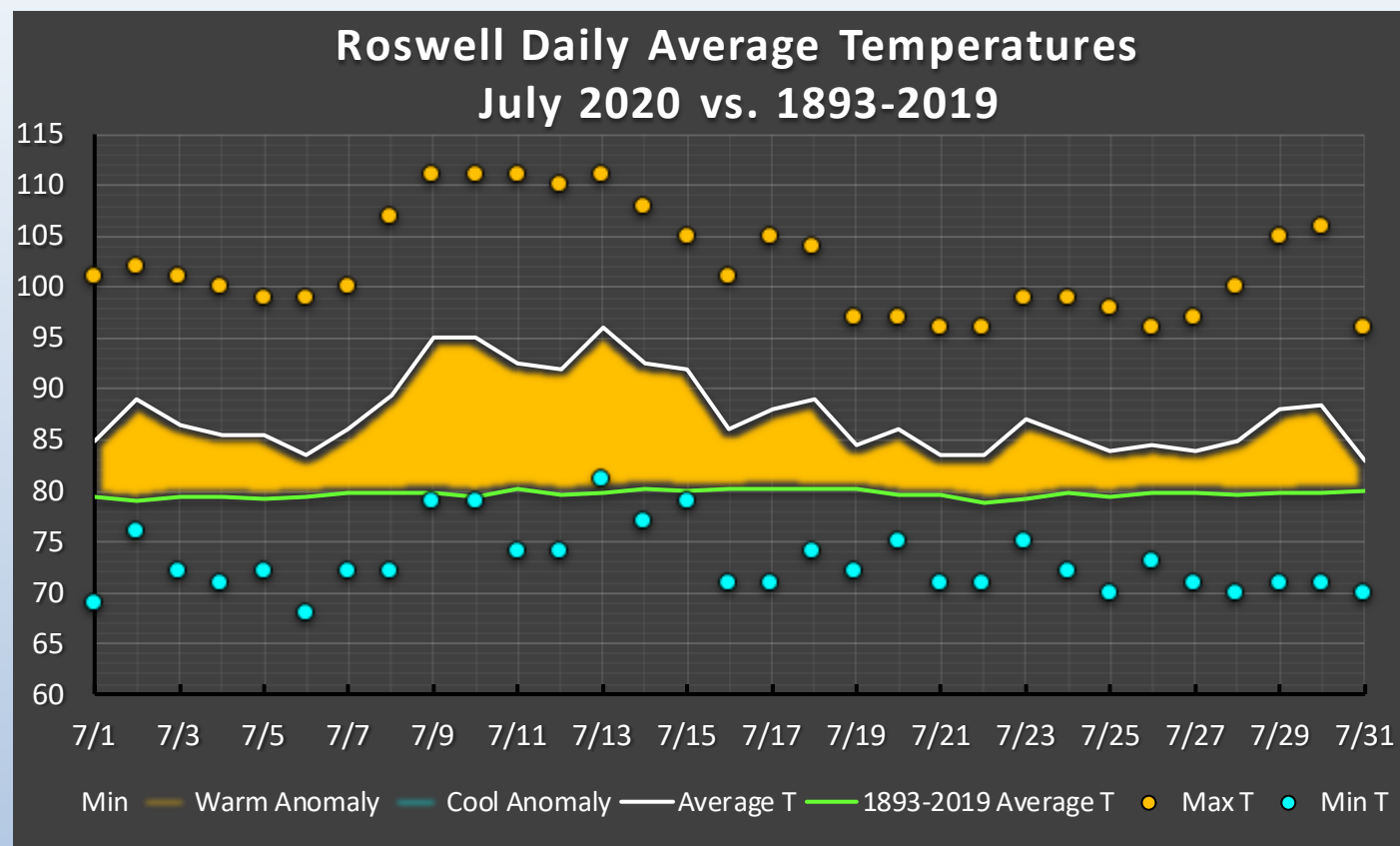


The average temperature for Clayton in July 2020 was 75.5°, which was 0.8° above the normal of 74.7°. The average maximum temperature for the month was 89.8°. This was 1.2° above the normal average maximum temperature of 88.6°. The average minimum temperature for the month was 61.2°. This was 0.4° above the normal average minimum temperature of 60.8°. This ranks as the 36th warmest July on record (1893-2020).

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Roswell Temperatures

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The average temperature for Roswell for July 2020 was 87.6°, which was 7.3° above the normal of 80.3°. The average maximum temperature for the month was 102.2°. This was 8.5° above the average maximum temperature of 93.7°. The average minimum temperature for the month was 73.0°. This was 6.0° above the normal average minimum temperature of 67.0°. This was the warmest July on record (1893-2020), smashing the previous warmest July set in 2016 (86.5°)!

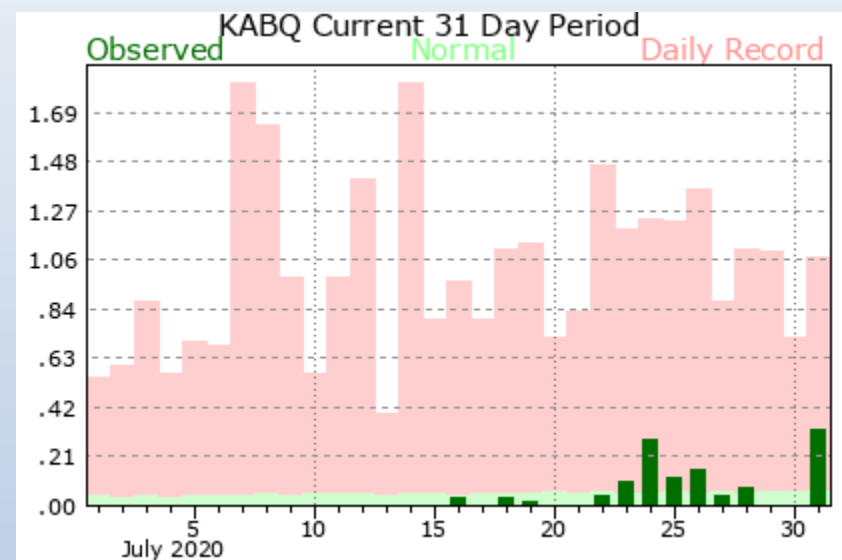
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Precipitation

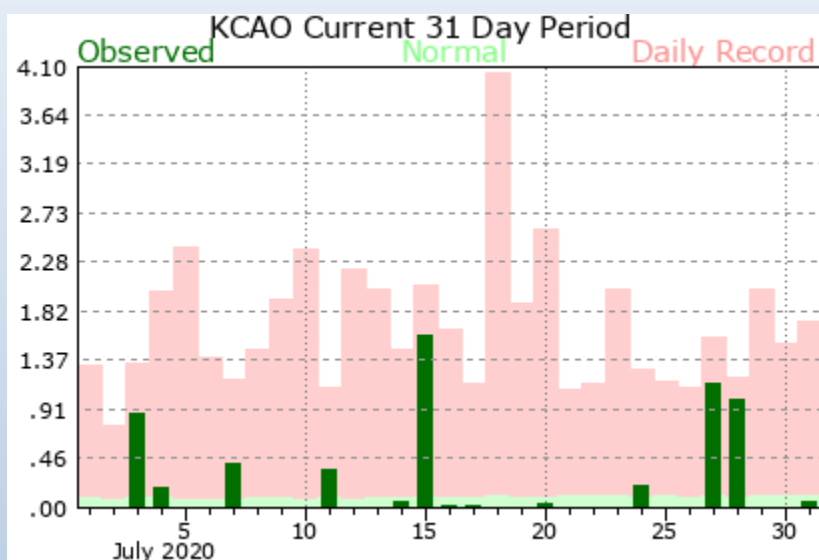
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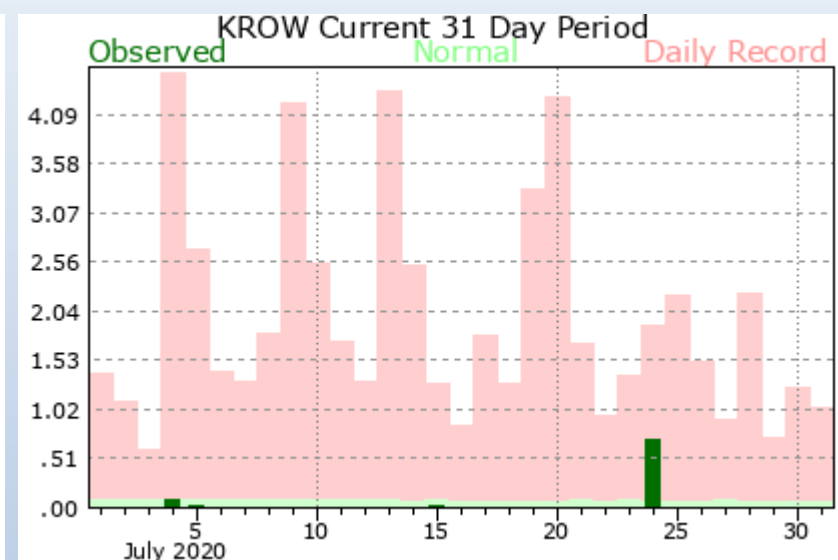
Albuquerque Sunport



Clayton



Roswell



There was 1.19" of precipitation measured at the Sunport in July 2020, compared to the normal of 1.50", or 0.31" below normal. This ranks as the 59th driest July on record (1893-2020).

There was 5.84" of precipitation measured at Clayton in July 2020, compared to the normal of 2.66", or 3.18" above normal! This ranks as the 6th wettest July on record (1893-2020)!

There was 0.81" of precipitation measured at Roswell in July 2020, compared to the normal of 2.10", or 1.25" below normal. This ranks as the 35th driest July on record (1893-2020).

July 2020 Climate Summary

Severe Weather*

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Event Type	Date	County Name	Magnitude	Type	Event Narrative
Flash Flood	7/4/2020	Lincoln			Eight to 12 inches of water, mud, and debris flowed over NM-246 between mile markers 30 and 31.
Tornado	7/4/2020	Union			A brief tornado touched down over rural countryside 12 miles west of Grenville.
Hail	7/11/2020	San Miguel	1"		Hail up to the size of quarters fell near Bell Ranch.
Hail	7/12/2020	Union	0.88"		Nickel size hail reported near Capulin.
Thunderstorm Wind	7/12/2020	Harding	61 kt	Gust	Downburst winds up to 70 mph were reported near Mills.
Thunderstorm Wind	7/13/2020	Bernalillo	50 kt	Gust	Peak wind gust of 58 mph with blowing dust at the Albuquerque Sunport.
Thunderstorm Wind	7/13/2020	Torrance	52 kt	Gust	A 60 mph wind gust was reported at Clines Corners.
Thunderstorm Wind	7/13/2020	Chaves	55 kt	Gust	A trained spotter measured a 63 mph wind gust from strong outflow winds.
Thunderstorm Wind	7/13/2020	Bernalillo	50 kt	Gust	Strong outflow winds uprooted a 30 ft live tree near Academy and Wyoming.
Thunderstorm Wind	7/13/2020	Sandoval	50 kt	Gust	Strong outflow winds uprooted a small tree at a residence near Unser and Northern in Rio Rancho.
Thunderstorm Wind	7/14/2020	Chaves	51 kt	Gust	A thunderstorm wind gust of 59 mph was recorded near Dunken.
Hail	7/15/2020	Union	1.5"		Trained spotters near Capulin reported hail up to ping pong size.
Thunderstorm Wind	7/15/2020	Guadalupe	50 kt	Gust	A 58 mph wind gust was measured in Santa Rosa as a severe thunderstorm moved through the area.
Thunderstorm Wind	7/15/2020	Quay	54 kt	Gust	A 62 mph wind gust was measured in Tucumcari along an outflow boundary.
Thunderstorm Wind	7/17/2020	Torrance	58 kt	Gust	Clines Corners reported a brief thunderstorm outflow wind gust up to 67 mph.
Flash Flood	7/19/2020	Lincoln			Trails and a road were washed out west of Bonito Lake. Hikers and campers were evacuated.
Flash Flood	7/19/2020	Lincoln			A ranch owner west of Corona observed significant flash flooding along the Gallinas Mountains.
Flash Flood	7/22/2020	Lincoln			Flash flooding partially washed out CR-A019 west of U.S. Highway 54.
Thunderstorm Wind	7/24/2020	Union	51 kt	Gust	A 59 mph wind gust was reported at the Clayton airport.
Thunderstorm Wind	7/24/2020	Chaves	59 kt	Gust	Severe winds downed power lines, power poles, damaged roofs, fences, and trees on E Hobson Rd near Midway.

*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/>

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Severe Weather*








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Event Type	Date	County Name	Magnitude	Type	Event Narrative
Flash Flood	7/24/2020	Socorro			Flash flooding damaged several roadways and culverts around Alamo.
Flash Flood	7/24/2020	Socorro			A pickup on CR-91 between Lemitar and Escondida was washed downstream.
Flash Flood	7/26/2020	Santa Fe			A sudden torrent of rainfall filled several arroyos around Madrid and Cerrillos.
Flash Flood	7/26/2020	Socorro			Flash flooding around Lemitar, Escondido, Socorro, and San Antonio. Roads closed. One vehicle under water.
Flash Flood	7/26/2020	San Juan			Flooding along U.S. 550 between Aztec and Bloomfield. Roadway closed.
Flash Flood	7/26/2020	San Juan			U.S. 64 closed U.S. 550 and Jordan Court. Two homes partially flooded in Bloomfield.
Thunderstorm Wind	7/29/2020	Colfax	50 kt	Gust	Raton airport reported a peak wind gust up to 58 mph.
Hail	7/31/2020	San Miguel	1.75"		Hail ranging from the size of quarters to golf balls around Las Vegas.
Hail	7/31/2020	San Miguel	1"		San Pablo reported quarter size hail.
Hail	7/31/2020	San Miguel	0.88"		Nickel size hail observed at the Pecos River RV Campground.
Hail	7/31/2020	San Miguel	1"		A trained spotter reported nickel to quarter size hail near San Jose.
Hail	7/31/2020	Sandoval	1"		Quarter size hail observed in Cochiti Pueblo.
Thunderstorm Wind	7/31/2020	Santa Fe	52 kt	Gust	San Ildefonso Pueblo recorded a 60 mph wind gust with a severe thunderstorm.
Hail	7/31/2020	Colfax	1"		Black Lake reported quarter size hail.
Thunderstorm Wind	7/31/2020	Sandoval	50 kt	Gust	Severe winds downed tree limbs around Rio Rancho.
Thunderstorm Wind	7/31/2020	Bernalillo	56 kt	Gust	Numerous downed trees and branches reported across Albuquerque.
Thunderstorm Wind	7/31/2020	Santa Fe	50 kt	Gust	Edgewood reported downed tree branches across State Road 344 along with minor street flooding.
Hail	7/31/2020	Lincoln	1"		Hail up to the size of quarters tracked south through Alto and Ruidoso.
Thunderstorm Wind	7/31/2020	Valencia	51 kt	Gust	Tome-Adelino recorded a 59 mph.
Heavy Rain	7/31/2020	Bernalillo			A man was killed by flood waters in the Embudo Arroyo.

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-  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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