



Synopsis

September 2019 was very warm and dry for most of New Mexico. Monsoon moisture finally trickled into western New Mexico, resulting in better coverage of showers and thunderstorms compared to the rest of the summer. However, rainfall amounts were not nearly enough to alleviate moderate to severe drought conditions. Periodic showers and storms also moved through the southeast plains with locally heavy rainfall. Temperatures were very warm with statewide average temperatures well above normal. Roswell experienced it's warmest September on record after having the warmest August on record. High temperatures in Roswell reach 95°+ on 11 days. Severe weather was once again limited to only a handful of hail, high wind, and flash flood events.

White Sands, NM | September 11, 2019
Photo by Dept of Interior



Harvest Moon | September 13, 2019
Photo by Cindy Martinez via @ByronKOAT



Near Rio Rancho, NM | September 15, 2019
Photo by @Brian_a_McCaleb



Albuquerque, NM | September 21, 2019
Photo by @johnmvaldez



September 2019 Climate Summary

State Temperatures

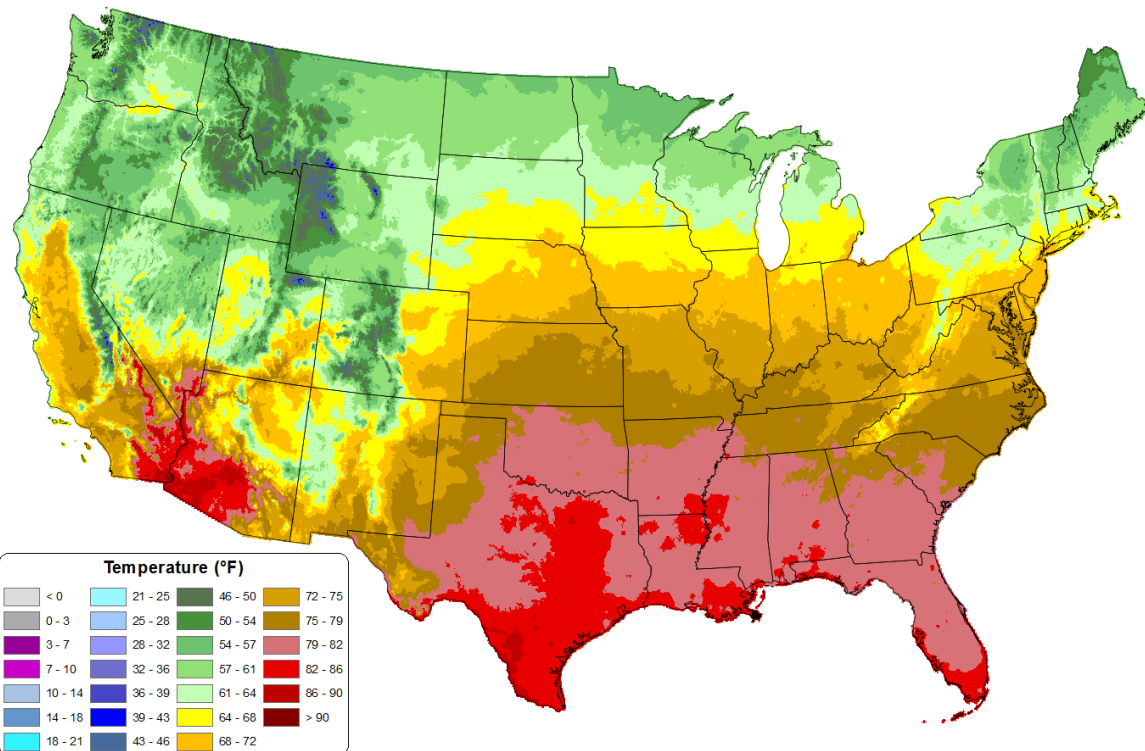
Weather Forecast Office
Albuquerque, NM
Issued December 23, 2019 7:36 PM MDT



Actual

Average Daily Mean Temperature: Sep 2019

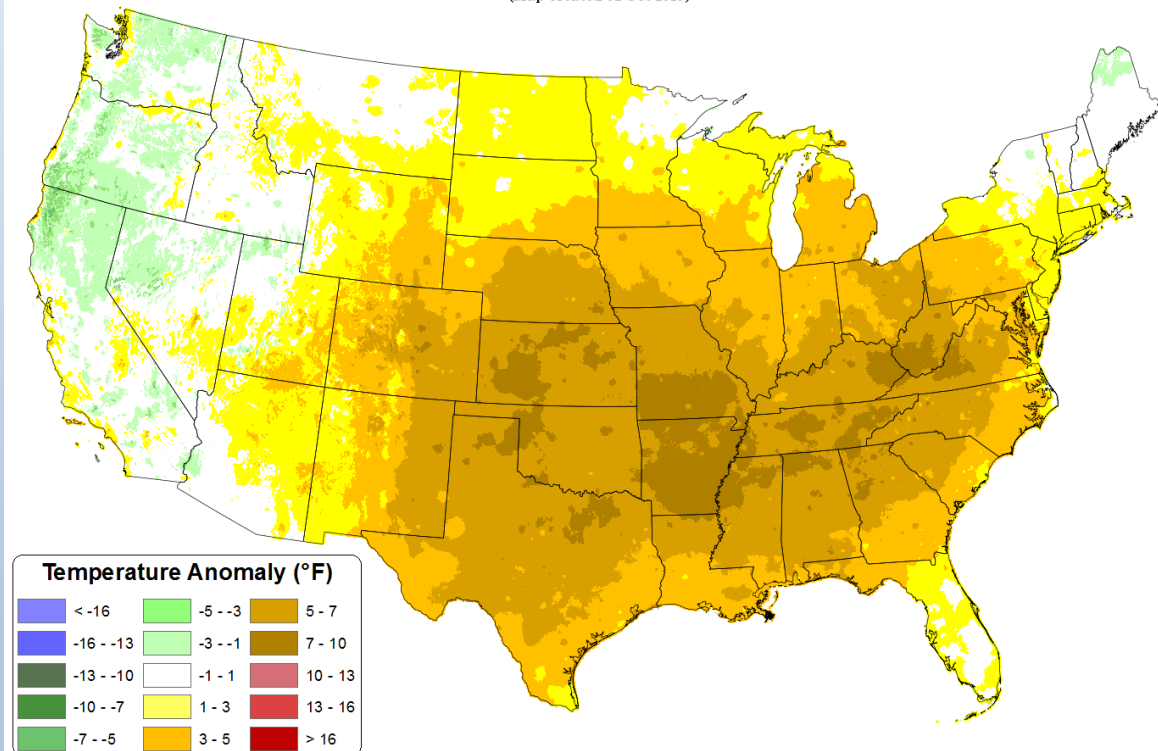
Period ending 7 AM EST 30 Sep 2019
(Map created 02 Oct 2019)



Anomaly

Daily Mean Temperature Anomaly: Sep 2019

Period ending 7 AM EST 30 Sep 2019
Base period: 1981-2010
(Map created 02 Oct 2019)



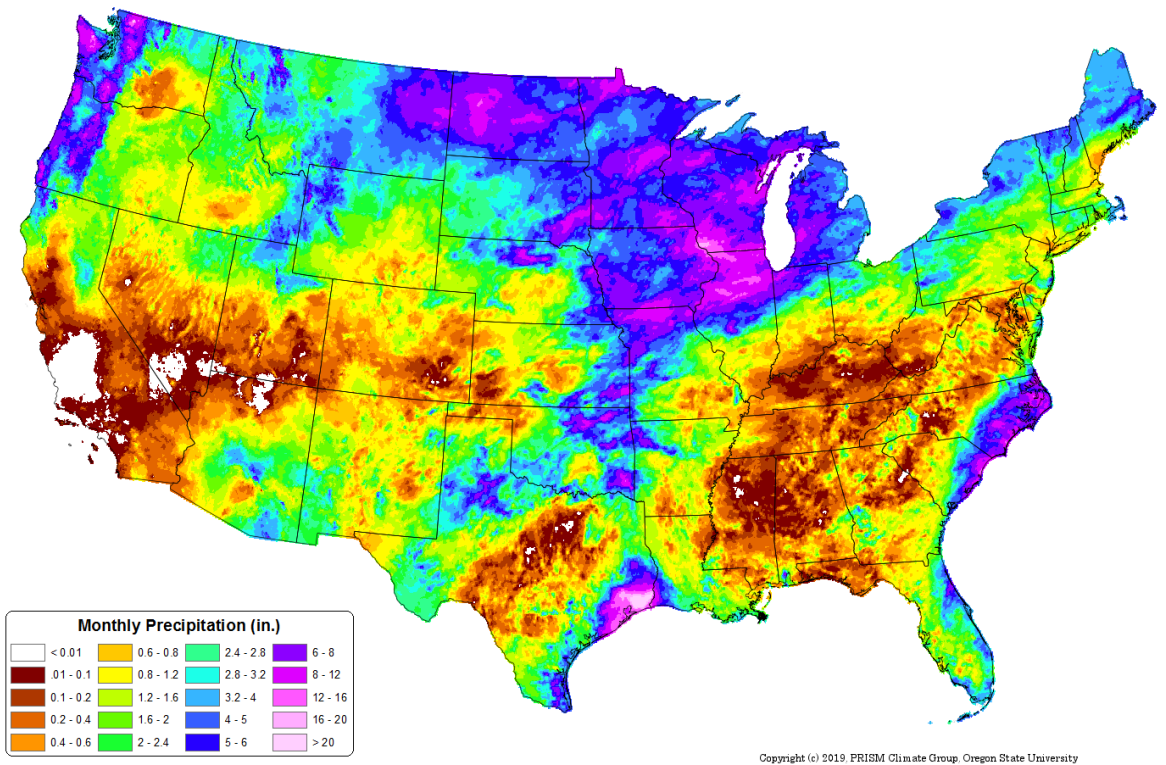
September 2019 Climate Summary

State Precipitation



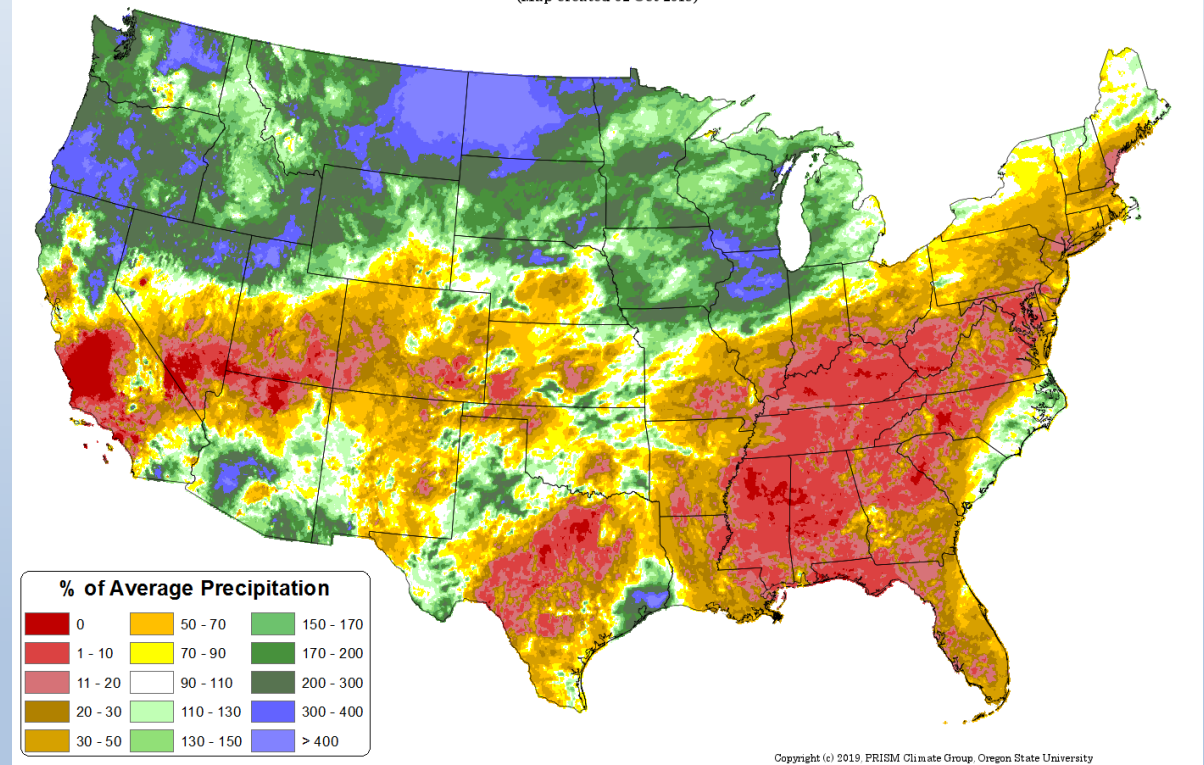
Actual

Total Precipitation: Sep 2019
Period ending 30 Sep 2019
(Map created 02 Oct 2019)



Anomaly

Total Precipitation Anomaly: Sep 2019
Period ending 30 Sep 2019
Base period: 1981-2010
(Map created 02 Oct 2019)



September 2019 Climate Summary

Statewide Temperature & Precipitation Trends

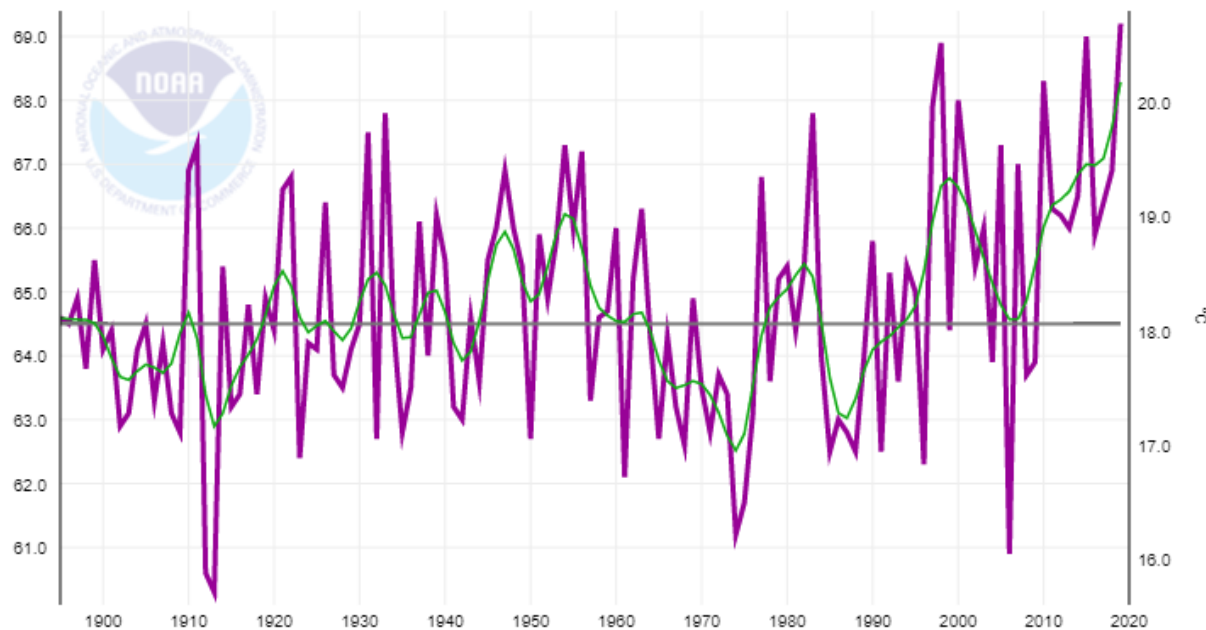
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Temperature

New Mexico, Average Temperature, September

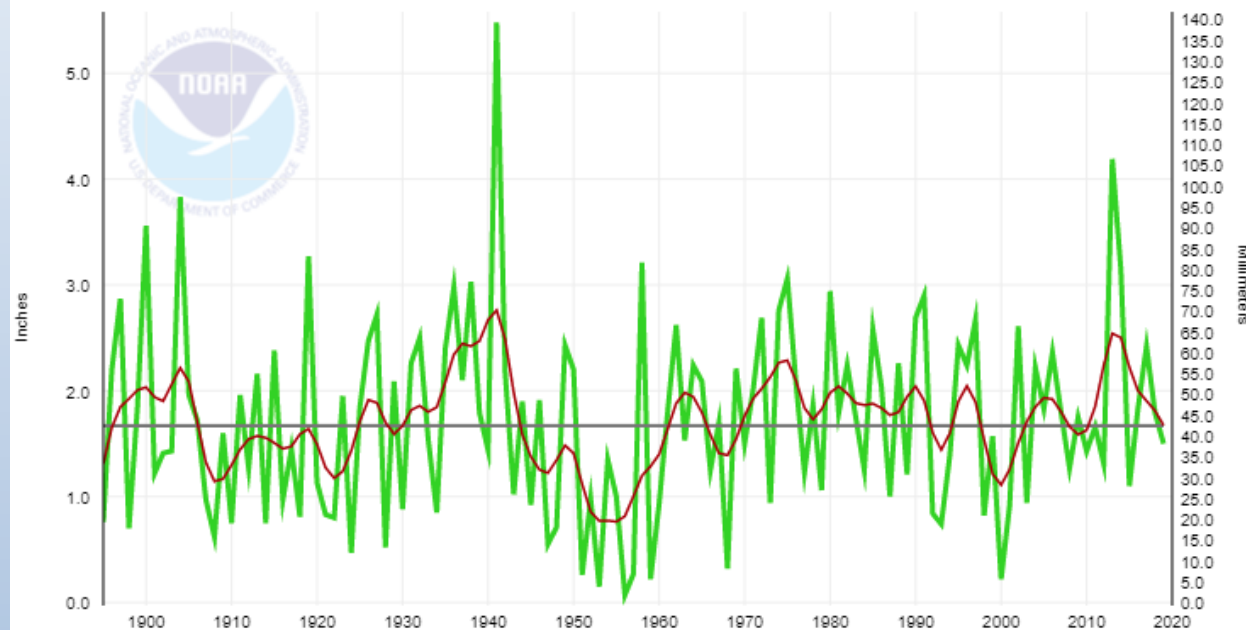
Avg Temperature 1901-2000 Mean: 64.5°F Binomial Filter



Precipitation

New Mexico, Precipitation, September

Precip 1901-2000 Mean: 1.67" Binomial Filter



The average statewide temperature was 69.2° which was 4.7° above the long-term normal of 64.5° (1901-2000). This ranks as the warmest September on record for New Mexico.

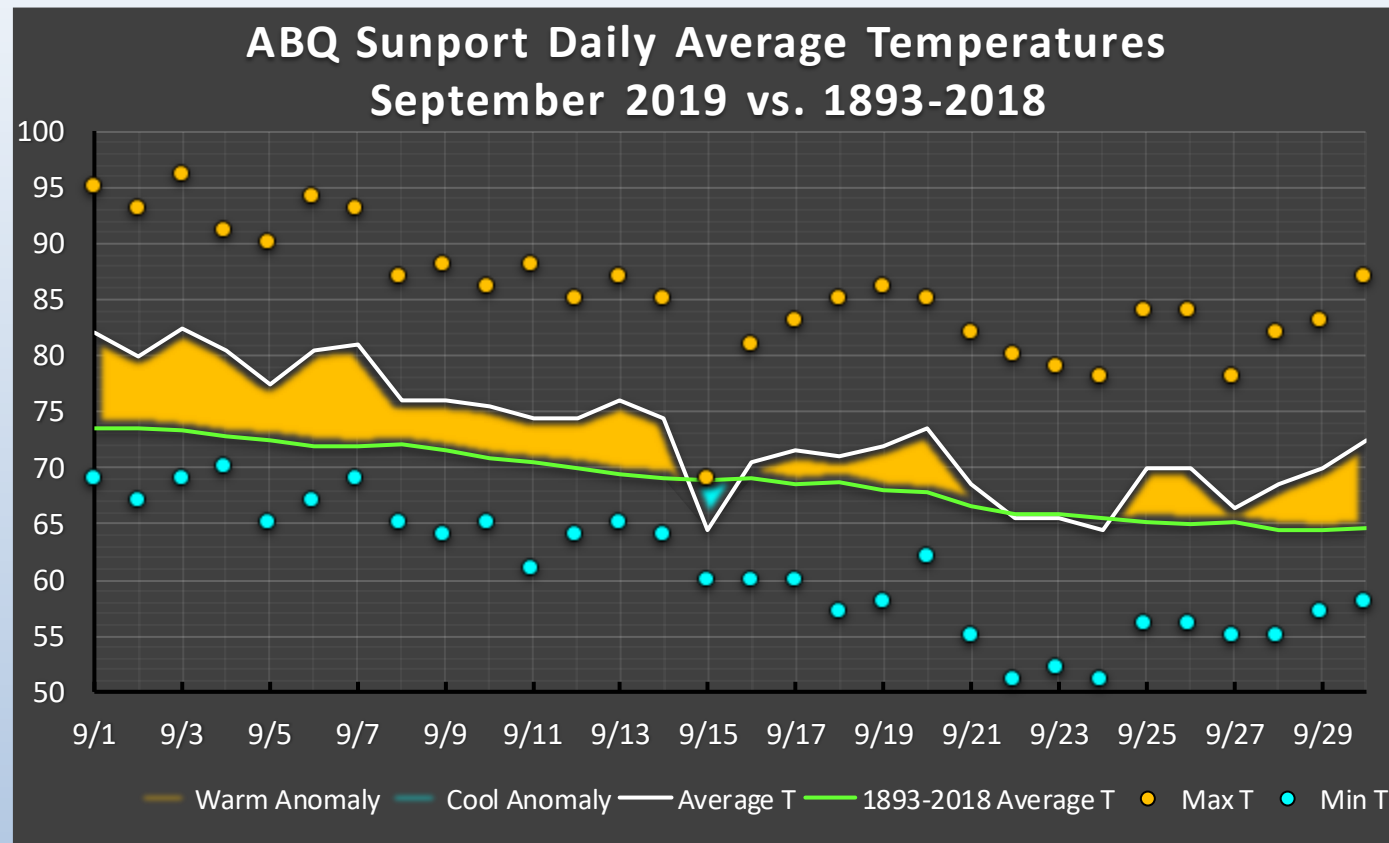
The average statewide precipitation was 1.50" which was 0.17" below the long-term normal of 1.67" (1901-2000).

September 2019 Climate Summary

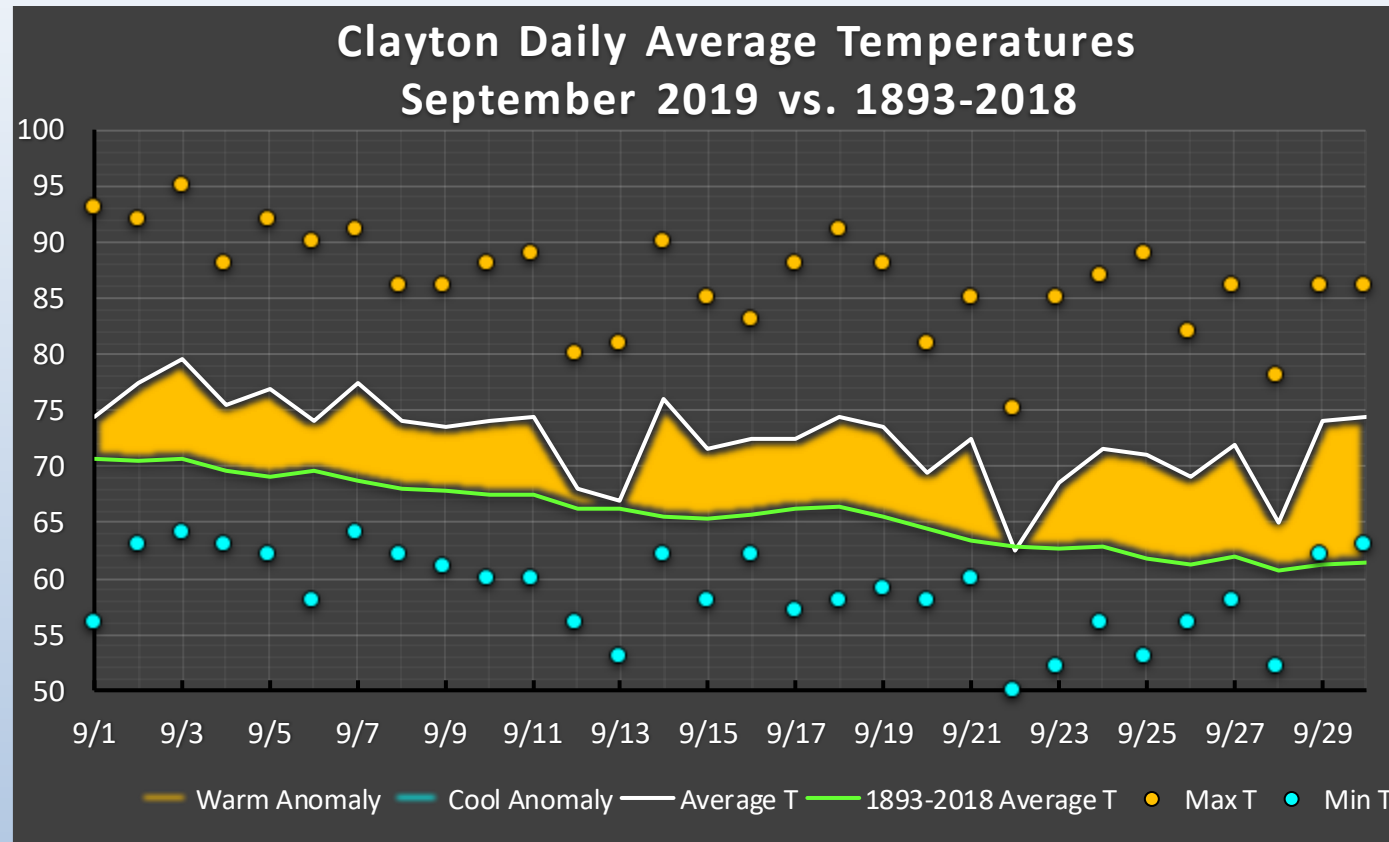
Albuquerque Sunport Temperatures

Weather Forecast Office
Albuquerque, NM

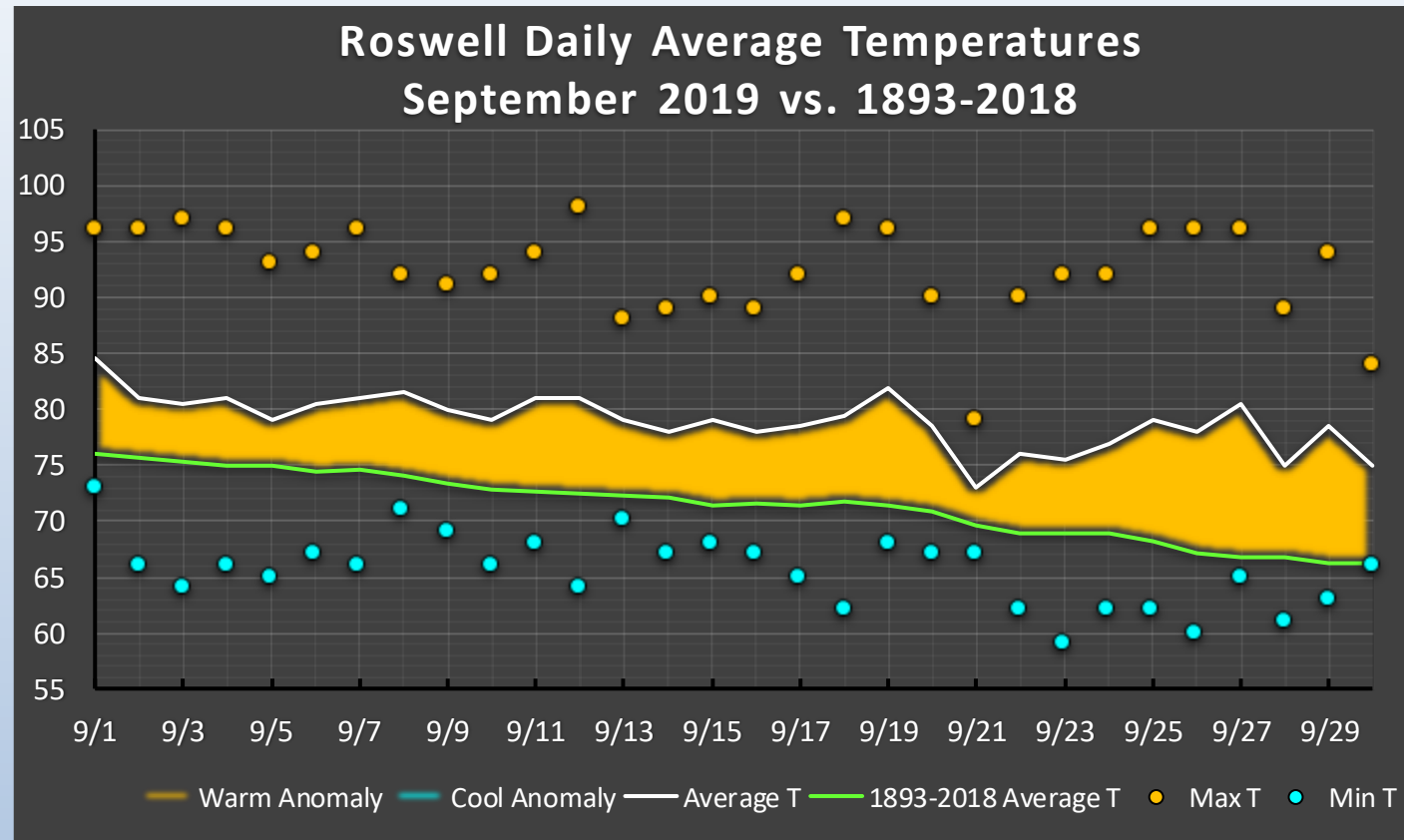
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The average temperature for Albuquerque was 73.2°, which was 3.9° above the normal of 69.3°. The average maximum temperature for the month was 85.5°. This was 4.8° above the normal average maximum temperature of 80.7°. The average minimum temperature for the month was 60.9°. This was 3.0° above the normal average minimum temperature of 57.9°. This ranks as the 6th warmest September on record.



The average temperature for Clayton was 72.6°, which was 6.8° above the normal of 65.8°. The average maximum temperature for the month was 86.5°. This was 7.2° above the normal average maximum temperature of 79.3°. The average minimum temperature for the month was 58.6°. This was 6.3° above the normal average minimum temperature of 52.3°. This ranks as the 2nd warmest September on record.



The average temperature for Roswell was 79.0°, which was 7.0° above the normal of 72.0°. The average maximum temperature for the month was 92.5°. This was 6.9° above the average maximum temperature of 85.6°. The average minimum temperature for the month was 65.5°. This was 7.0° above the normal average minimum temperature of 58.5°. This ranks as the warmest September on record.

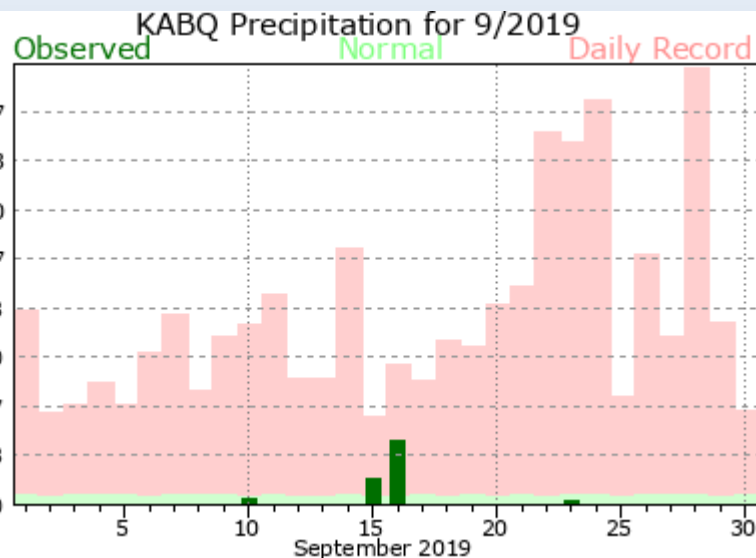
September 2019 Climate Summary

Precipitation – Climate Sites

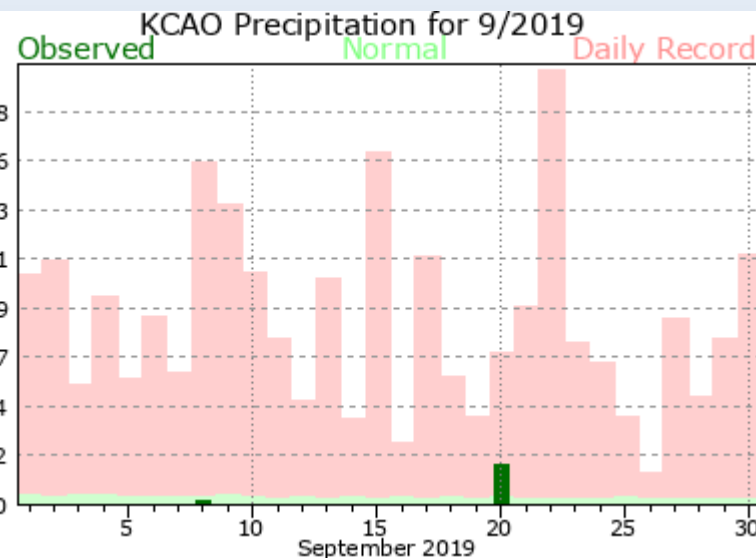
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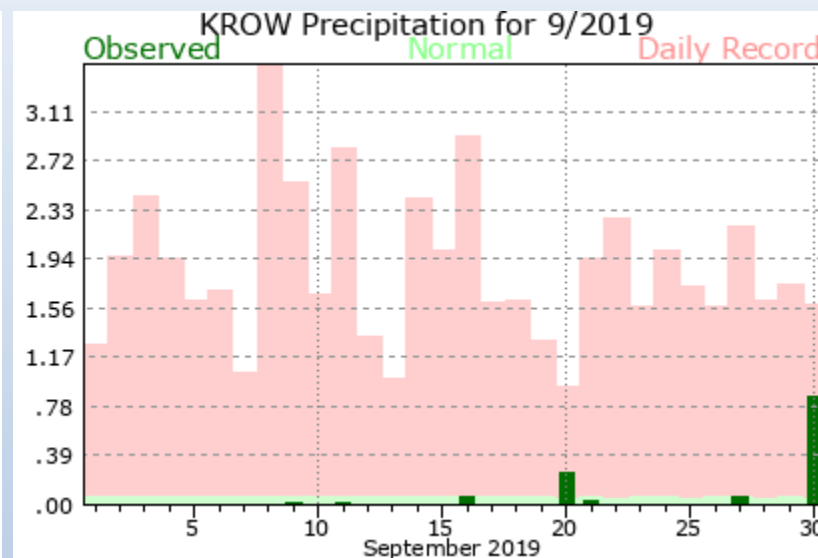
Albuquerque Sunport



Clayton



Roswell



There was 0.45" of precipitation measured at the Sunport, compared to the normal of 1.08", or 0.63" below normal. This ranks as the 37th driest September on record (1893-2019).

There was 0.36" of precipitation measured at, compared to the normal of 1.67", or 1.31" below normal. This ranks as the 14th driest September on record (1893-2019).

There was 1.26" of precipitation measured at, compared to the normal of 1.53", or 0.27" below normal.

September 2019 Climate Summary

Severe Weather*








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Event Type	Date	County	Magnitude	Type	Event Narrative
Dust Devil	9/1/19	Taos			A large dust devil moved across State Road 150 and damaged a nearby restaurant.
Tstorm Wind	9/7/19	Colfax	58 kt	Gust	Peak wind gust up to 67 mph at the Raton airport.
Tstorm Wind	9/11/19	Chaves	61 kt	Gust	Wind damage along State Road 2 in Midway.
Hail	9/14/19	Bernalillo	0.88"		Nickel size hail a couple miles south of Cedro.
Flash Flood	9/14/19	Socorro			Roads damaged and closures in the area south of Abeytas.
Flash Flood	9/14/19	Socorro			Roads and culverts damaged with closures in the area south of Alamo.
Hail	9/20/19	Guadalupe	1"		Quarter size hail east of U.S. Highway 84 several miles southeast of Santa Rosa.

*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/>
-  Questions?: sr-abq.webmaster@noaa.gov
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