



### Synopsis

August 2021 was in sharp contrast to July, with the monsoon less active overall. Even though central and southern portions of New Mexico received near to above normal precipitation, there was little in the way of flash flooding or severe weather. The middle of the month was most active, with several reports of flash flooding from the 12<sup>th</sup> through 15<sup>th</sup>.



Rio Penasco flooding August 14, 2021 ©Wendell Malone



Rio Penasco flooding August 14, 2021 ©Wendell Malone

# August 2021 Climate Summary

## State Temperatures

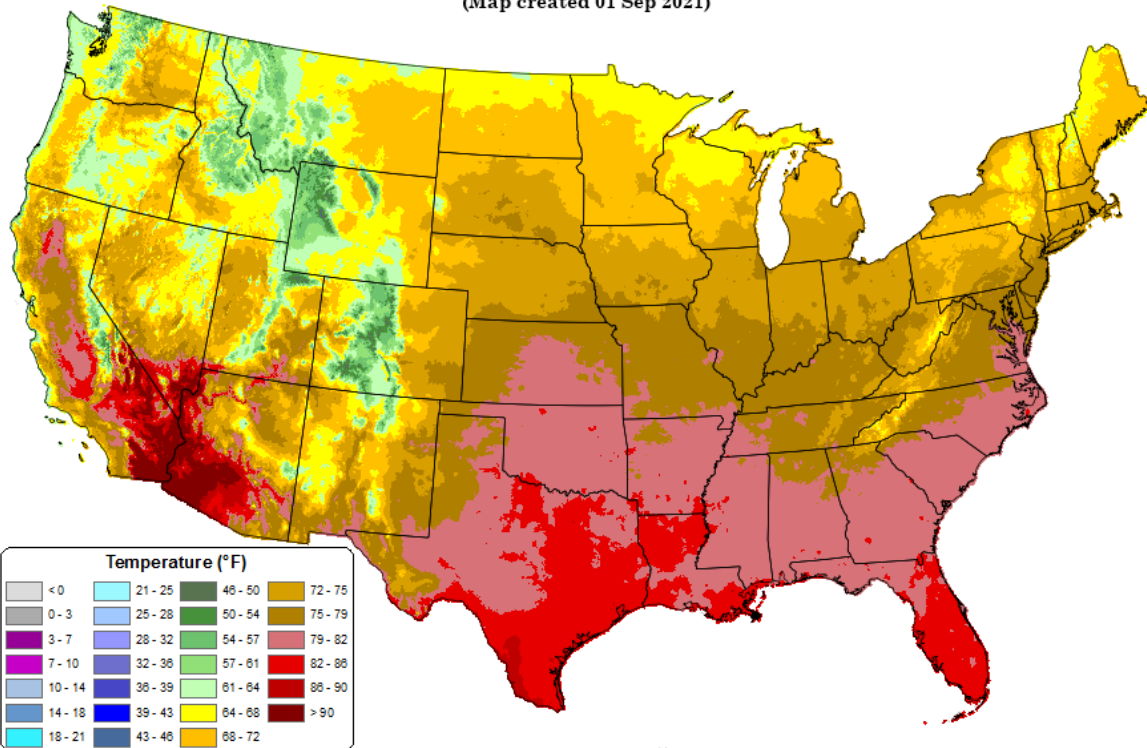


### Actual

#### Average Daily Mean Temperature: 01 Aug 2021 - 31 Aug 2021

Period ending 7 AM EST 31 Aug 2021

(Map created 01 Sep 2021)



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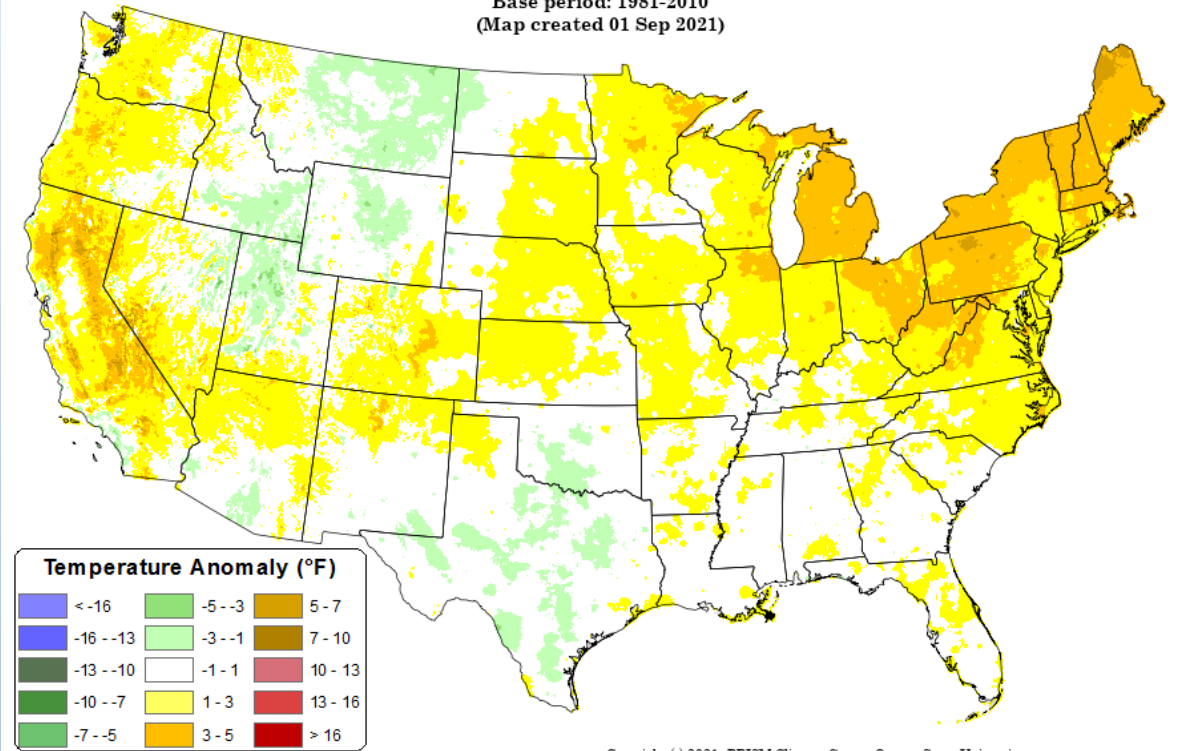
### Anomaly

#### Daily Mean Temperature Anomaly: 01 Aug 2021 - 31 Aug 2021

Period ending 7 AM EST 31 Aug 2021

Base period: 1981-2010

(Map created 01 Sep 2021)



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Temperatures in August were above normal in the north and near normal in central and southern locations.

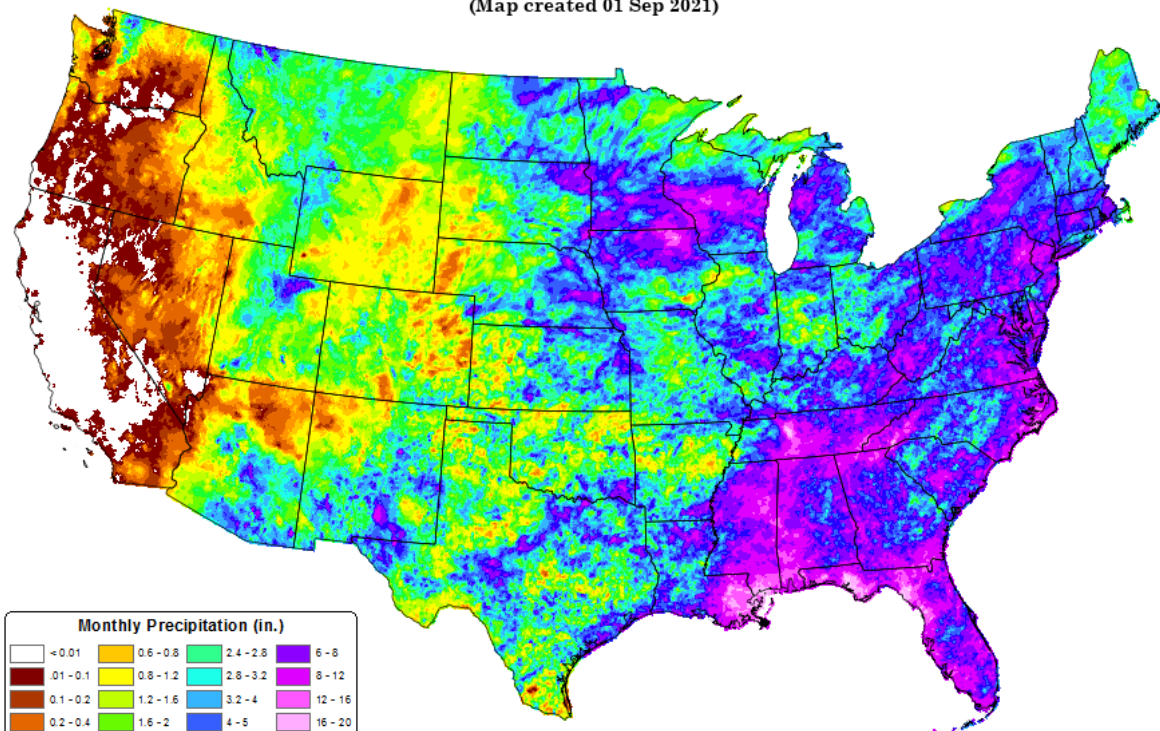




### Actual

Total Precipitation: 01 Aug 2021 - 31 Aug 2021

Period ending 7 AM EST 31 Aug 2021  
(Map created 01 Sep 2021)

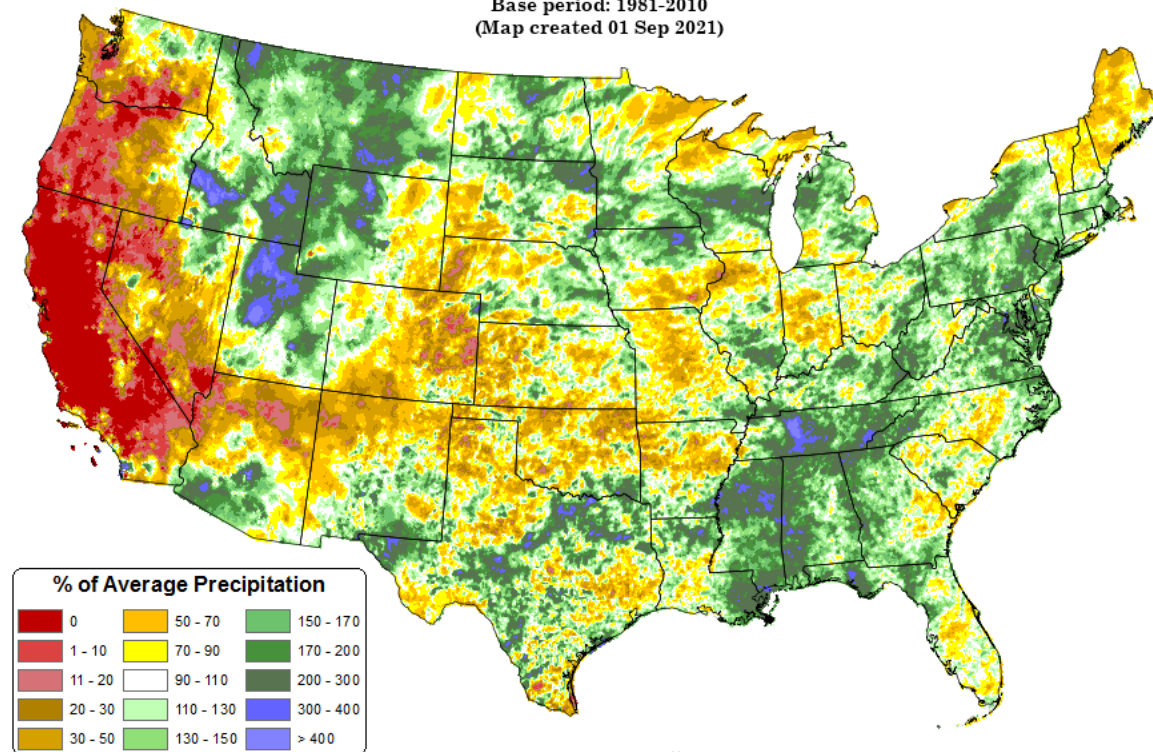


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### Anomaly

Total Precipitation Anomaly: 01 Aug 2021 - 31 Aug 2021

Period ending 7 AM EST 31 Aug 2021  
Base period: 1981-2010  
(Map created 01 Sep 2021)



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Precipitation was below normal in the north, while in central and southern areas precipitation was near to above normal.

# August 2021 Climate Summary

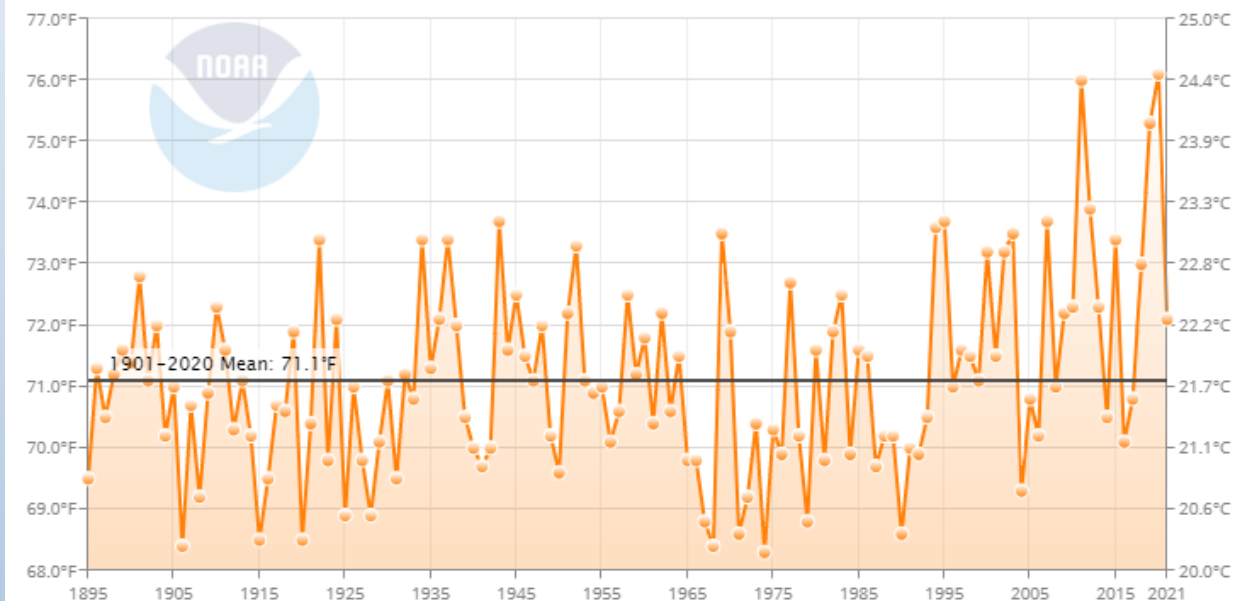
## Statewide Temperature & Precipitation Trends

Weather Forecast Office  
Albuquerque, NM  
Issued January 9, 2022 2:54 PM MDT



### Temperature

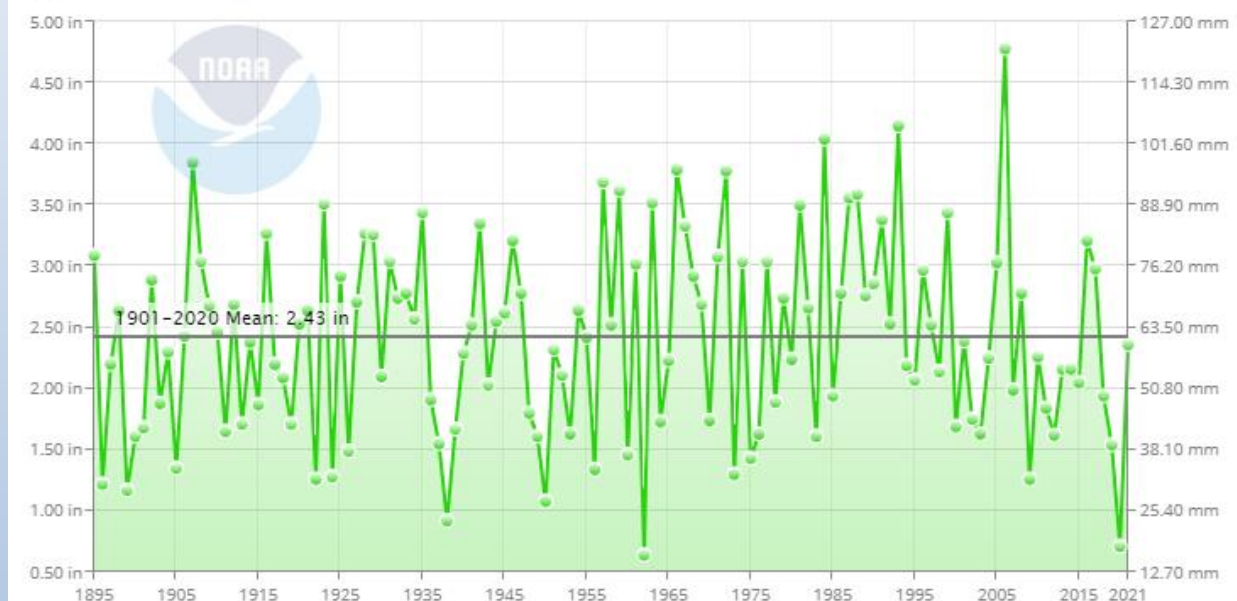
New Mexico Average Temperature  
August



The average statewide temperature was 72.1°, which was 1.0° above the long-term normal of 71.1° (1901-2020). This ranks as the 98<sup>th</sup> warmest August on record.

### Precipitation

New Mexico Precipitation  
August



The average statewide precipitation was 2.36", which was 0.07" below the long-term normal of 2.43" (1901-2020). This ranks as the 62<sup>nd</sup> driest August on record.

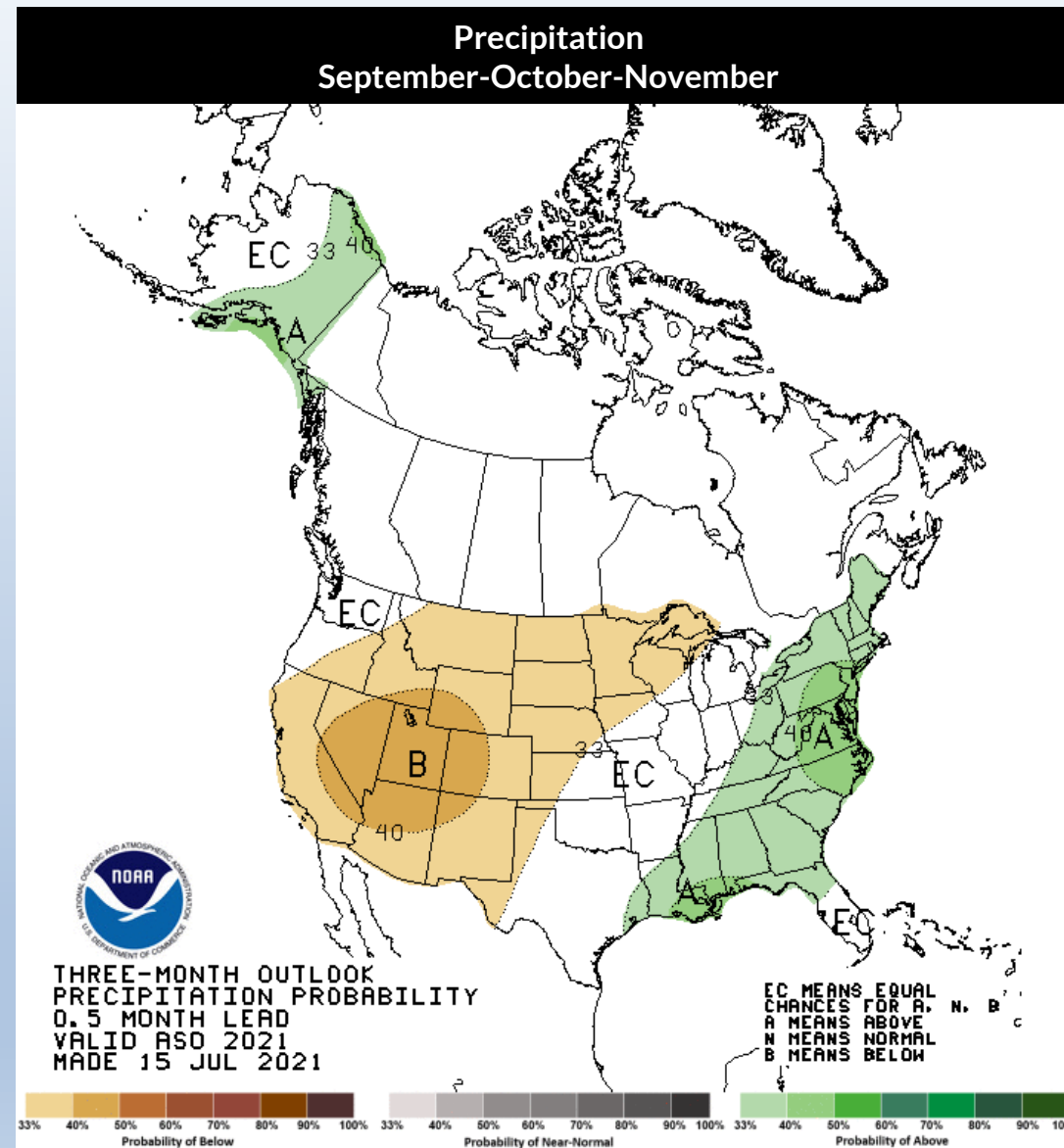
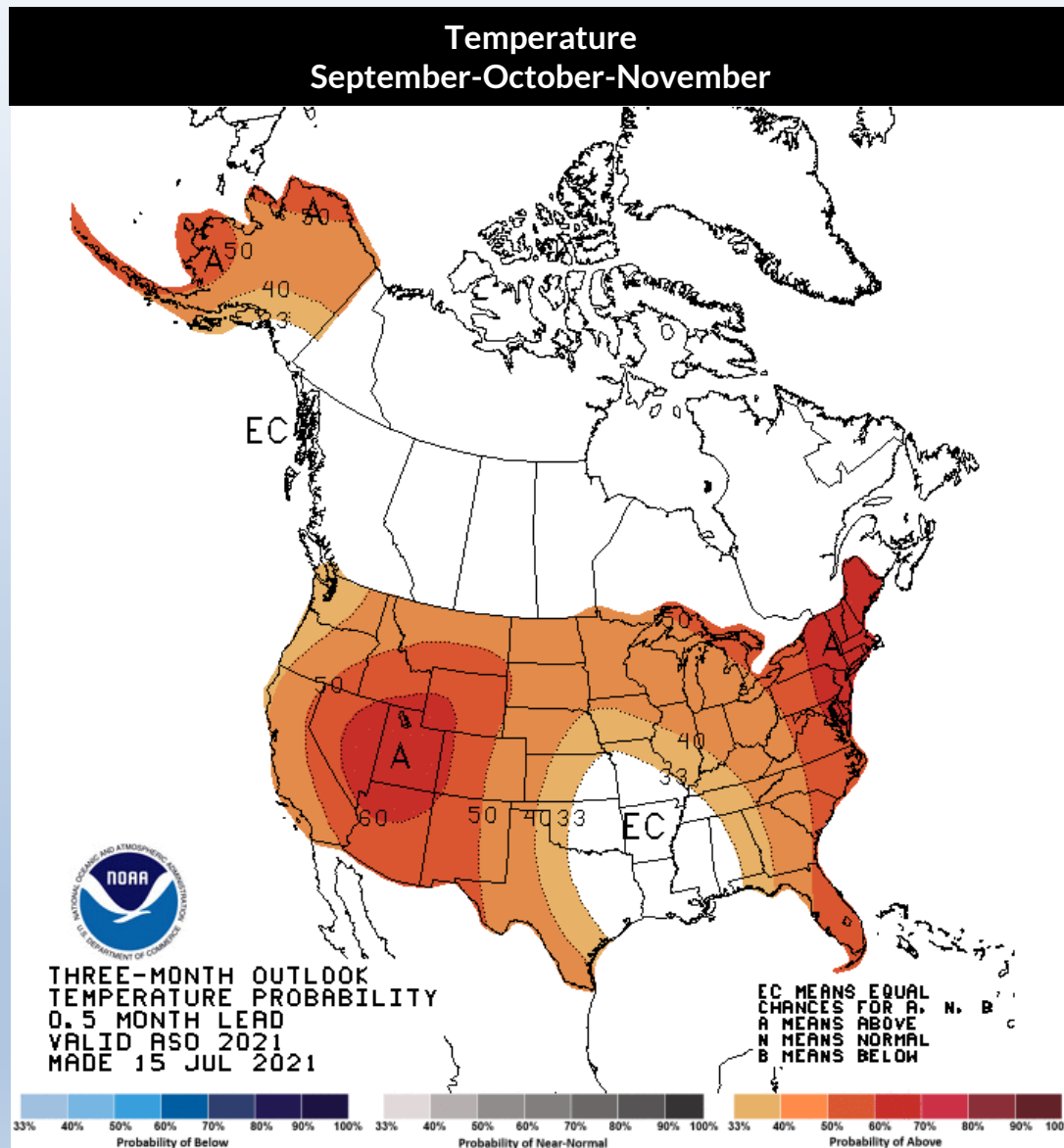




# August 2021 Climate Summary

## 90 Day Temperature & Precipitation Outlook

Weather Forecast Office  
Albuquerque, NM  
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The three month climate outlook for Autumn (September through November) strongly favors above normal temperatures, especially in the west. Precipitation suggests a tendency toward below normal, especially in the northwest. This would favor persistent or worsening drought conditions in New Mexico this fall.

# August 2021 Climate Summary

## Albuquerque Sunport Temperatures

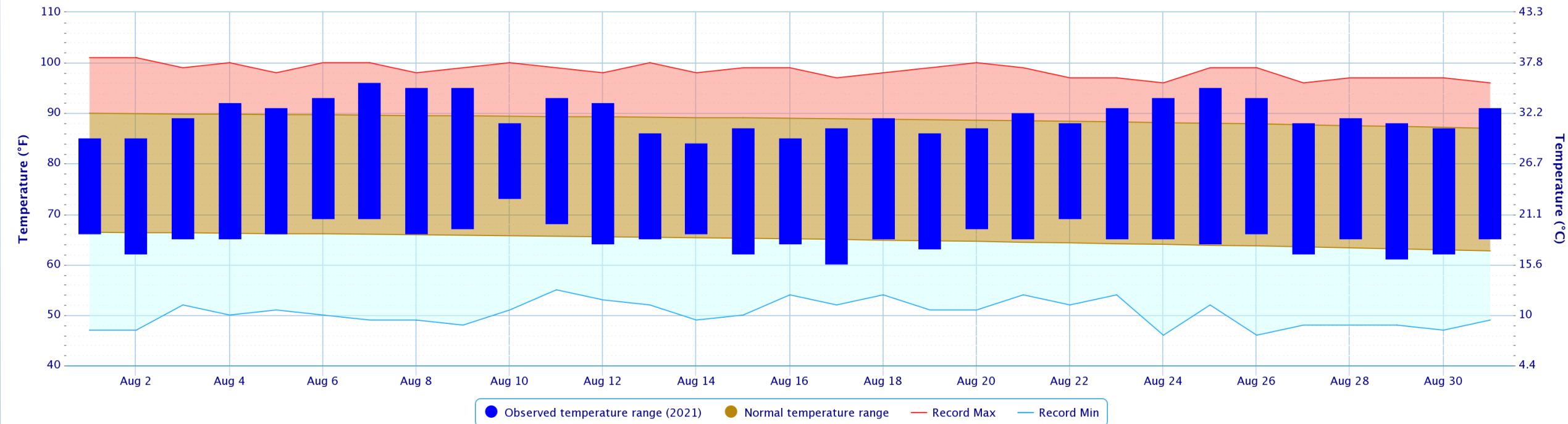
Weather Forecast Office  
Albuquerque, NM  
Issued January 9, 2022 2:54 PM MDT



(New 1991-2020 Normals) **Average Temperature: 77.4°**

Daily Temperature Data - Albuquerque Area, NM (ThreadEx)

Period of Record - 1891-12-01 to 2021-09-01. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

The average August temperature for Albuquerque was 77.4°, which was 0.5° above the normal of 76.9°. The average maximum temperature for the month was 89.6°. This was 0.8° above the normal average maximum temperature of 88.8°. The average minimum temperature for the month was 65.2°. This was 0.3° above the normal average minimum temperature of 64.9°. August 2021 was tied for the 29<sup>th</sup> warmest on record.

# August 2021 Climate Summary

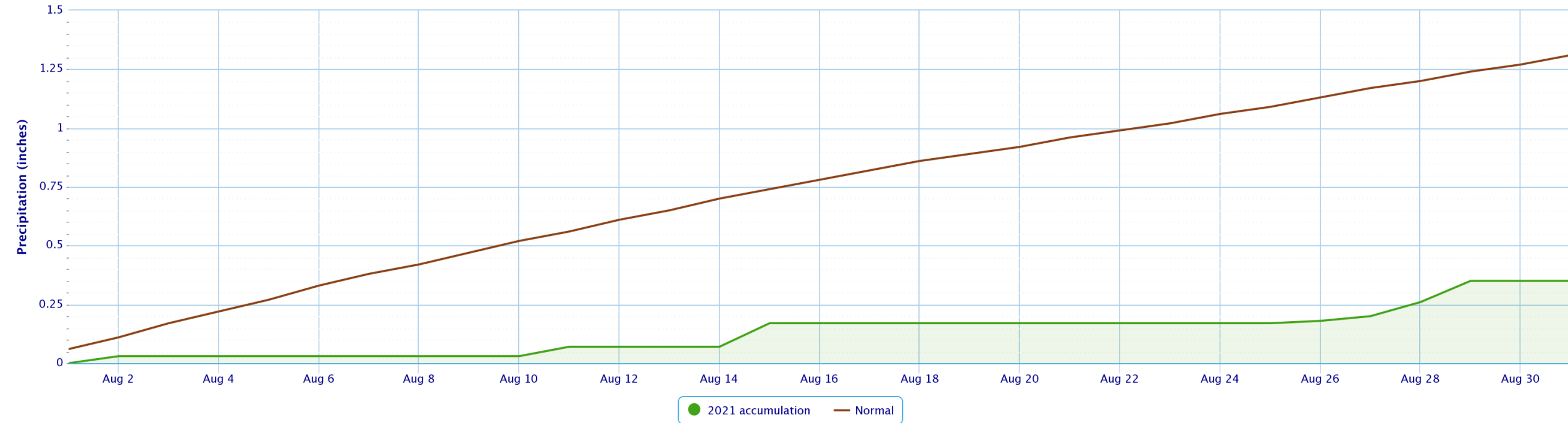
## Albuquerque Sunport Precipitation



(New 1991-2020 Normals) **Total Precipitation: 0.35"**

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

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



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There was 0.35" of precipitation measured at the Sunport, compared to the normal of 1.31", or 0.96" below normal. This was the 12<sup>th</sup> driest August on record (1892-2021).



# August 2021 Climate Summary

## Clayton Temperatures

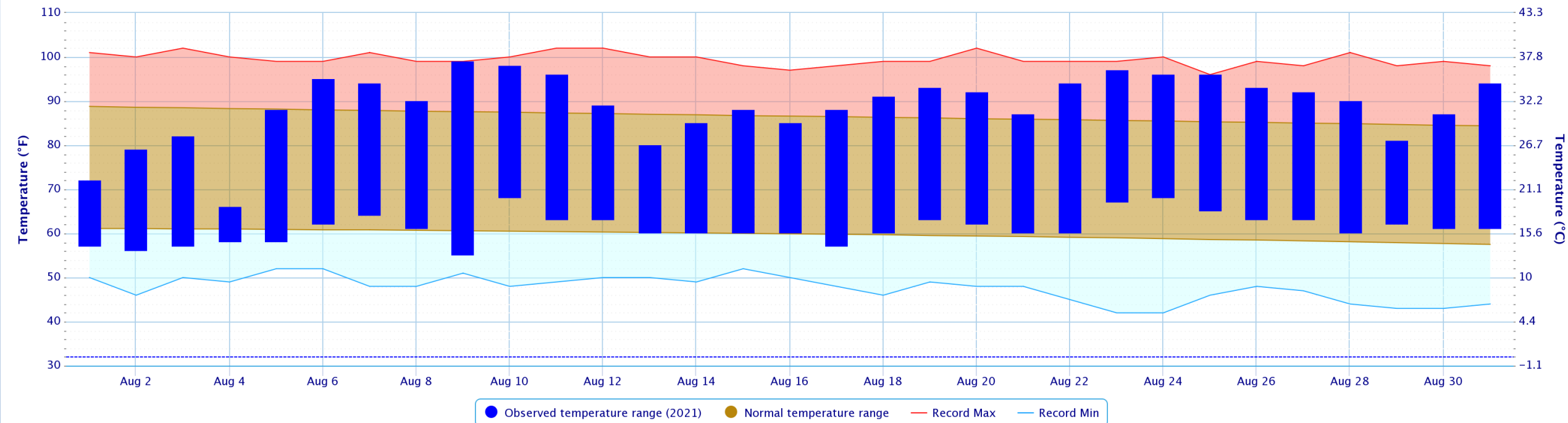
Weather Forecast Office  
Albuquerque, NM  
Issued January 9, 2022 2:54 PM MDT



(New 1991-2020 Normals) **Average Temperature: 75.0°**

Daily Temperature Data - Clayton Area, NM (ThreadEx)

Period of Record - 1896-02-01 to 2021-09-01. Normals period: 1991-2020. Click and drag to zoom chart.



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The average August temperature for Clayton was 75.0°, which was 0.9° above the normal of 73.1°. The average maximum temperature for the month was 88.9. This was 2.3° above the normal average maximum temperature of 86.6°. The average minimum temperature for the month was 61.1°. This was 1.4° above the normal average minimum temperature of 59.7°. August 2021 was tied for the 21<sup>st</sup> warmest on record.

# August 2021 Climate Summary

## Clayton Precipitation

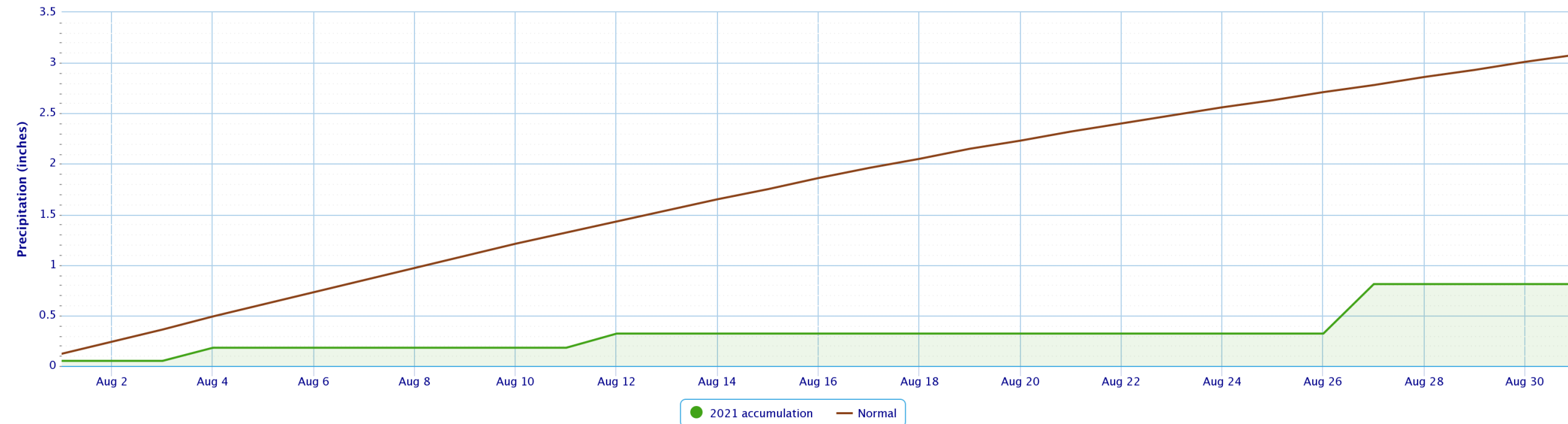
Weather Forecast Office  
Albuquerque, NM  
Issued January 9, 2022 2:54 PM MDT



(New 1991-2020 Normals) **Total Precipitation 0.81"**

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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There was 0.81" of precipitation measured at Clayton in August 2021, compared to the normal of 3.08", or 2.27" above normal. This ranks as the 14<sup>th</sup> driest August on record (1892-2021).

# August 2021 Climate Summary

## Roswell Temperatures

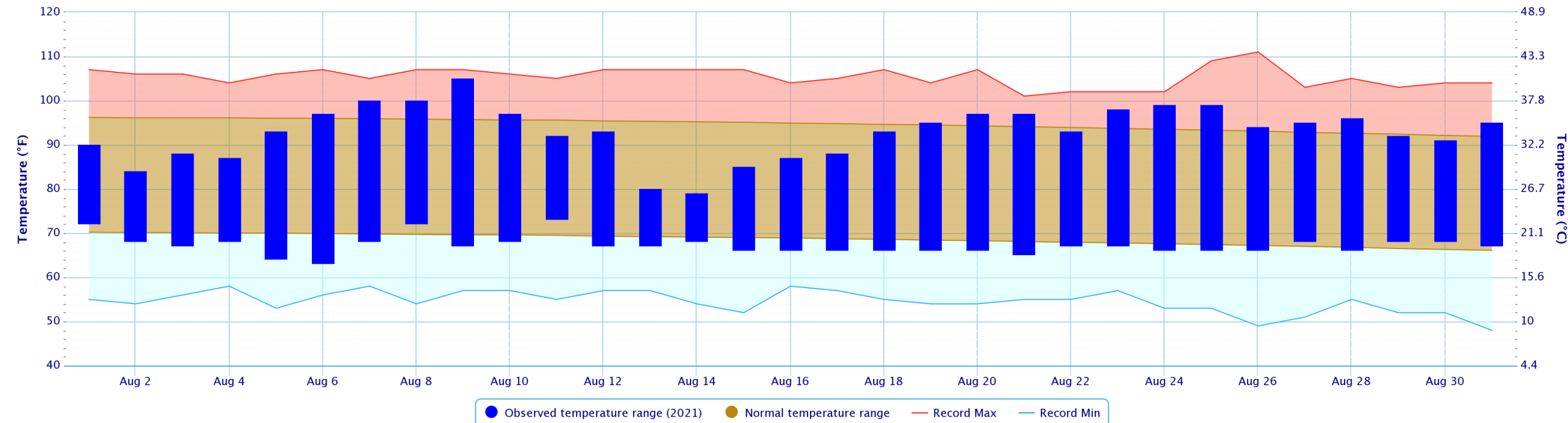
Weather Forecast Office  
Albuquerque, NM  
Issued January 9, 2022 2:54 PM MDT



(New 1991-2020 Normals) **Average Temperature: 80.0°**

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2021-09-01; Min temperature: 1893-01-21 to 2021-09-01. Normals period: 1991-2020. Click and drag to zoom chart.



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The average August temperature for Roswell was 80.0°, which was 1.6° below the normal of 81.6°. The average maximum temperature for the month was 92.9°. This was 1.7° below the average maximum temperature of 94.6°. The average minimum temperature for the month was 67.2°. This was 1.4° below the normal average minimum temperature of 68.6°. August 2021 tied for the 98<sup>th</sup> coolest August on record.



# August 2021 Climate Summary

## Roswell Precipitation

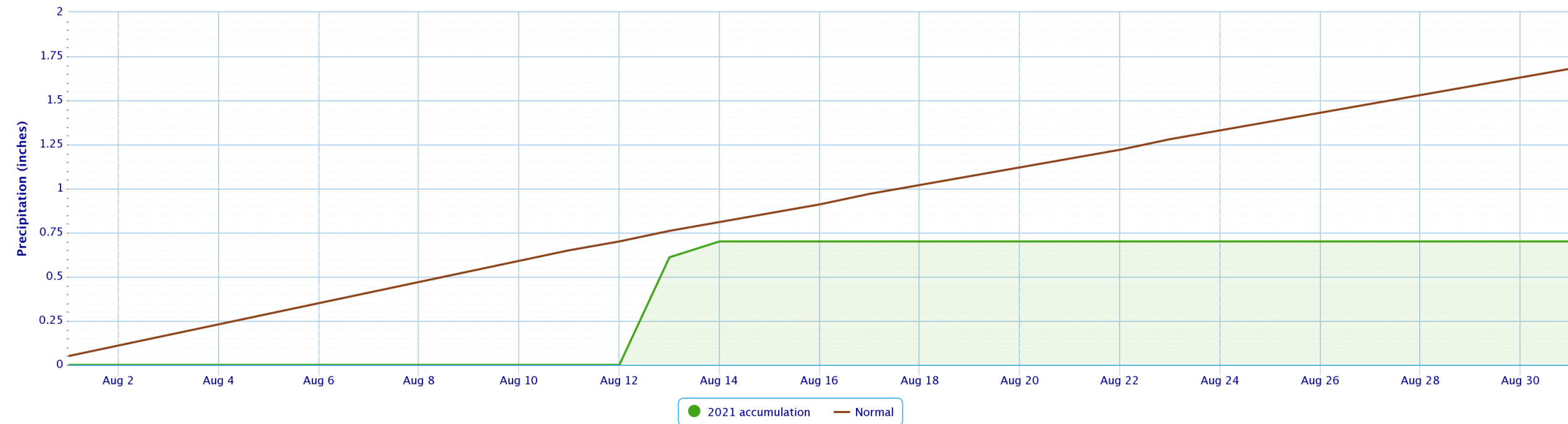
Weather Forecast Office  
Albuquerque, NM  
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(New 1991-2020 Normals) **Total Precipitation 0.70"**

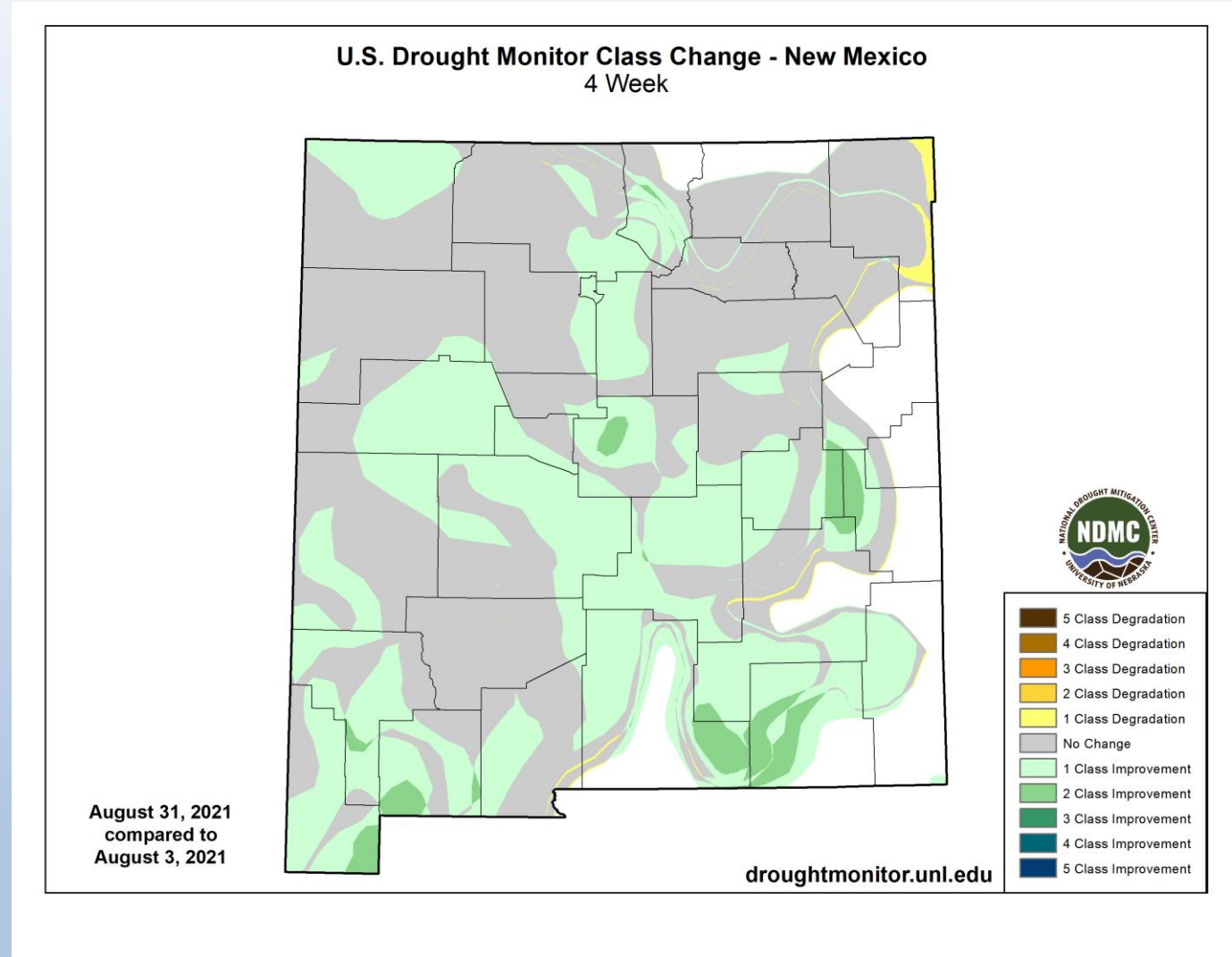
Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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



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There was 0.70" of precipitation measured at Roswell, compared to the normal of 1.68", or 0.98" below normal. This ranks as the 26<sup>th</sup> driest August on record (1892-2021).



This graphic shows the change in the drought class for the month of August. The grip on New Mexico drought continues to loosen. 13.5% of the state is no longer in any drought. The remaining 86.5% has D0 to D3. There is no longer any D4 (exceptional drought). This is the first time with no D4 since September 22, 2020!

# August 2021 Climate Summary

Severe Weather\*

Weather Forecast Office  
Albuquerque, NM  
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Event Type	Begin Date	County Name	Magnitude	Type	Event Narrative
Hail	8/4/2021	Colfax	1"		A trained spotter near Maxwell reported quarter size hail.
Thunderstorm Wind	8/12/2021	Union	51 kt	Gust	Clayton recorded a 59 mph thunderstorm wind gust.
Flash Flood	8/13/2021	Lincoln			Heavy rain near Nogal forced the closure of U.S. Highway 380 from MM 74 to 76.
Flash Flood	8/12/2021	De Baca			SR-272 near Fort Sumner was impassable due to water over the roadway.
Flood	8/13/2021	Chaves			Significant flooding on the Rio Penasco. The gage north of Dunken peaked at a depth of 16.8 feet. Numerous roadways, including SR-24 and U.S. 82, were closed. A nearby campground was under several feet of water.
Flash Flood	8/15/2021	Taos			Flash flooding around Ojo Caliente entered one mobile home and covered many secondary roads east of U.S. 285.
Flash Flood	8/15/2021	San Juan			Flash flooding around Aztec rendered CR-3073 unpassable.
Thunderstorm Wind	8/22/2021	Guadalupe	51 kt	Gust	Santa Rosa measured a 59 mph thunderstorm wind gust.
Thunderstorm Wind	8/29/2021	Bernalillo	57 kt	Gust	Albuquerque measured a 66 mph thunderstorm wind gust.
Flash Flood	8/31/2021	Lincoln			Heavy rain caused Oso Creek to flood Dawson Road.

\*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](mailto:sr-abq.webmaster@noaa.gov)
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