



### Synopsis

August 2022 had near to slightly below normal temperatures in most areas except the Four Corners region. Precipitation was below normal in the northwest, near to above normal in central areas, and way above normal in southern and most eastern areas. Flash flooding occurred on several days with locally heavy rainfall. River flooding also impacted parts of NM with record crests reported on the Pecos River at Acme.



Chaco Canyon flooding Aug 17<sup>th</sup>  
Photo courtesy Mike Mestas



Pecos River flooding - ne of Roswell Aug 21<sup>st</sup>  
Photo courtesy Karen Sanders

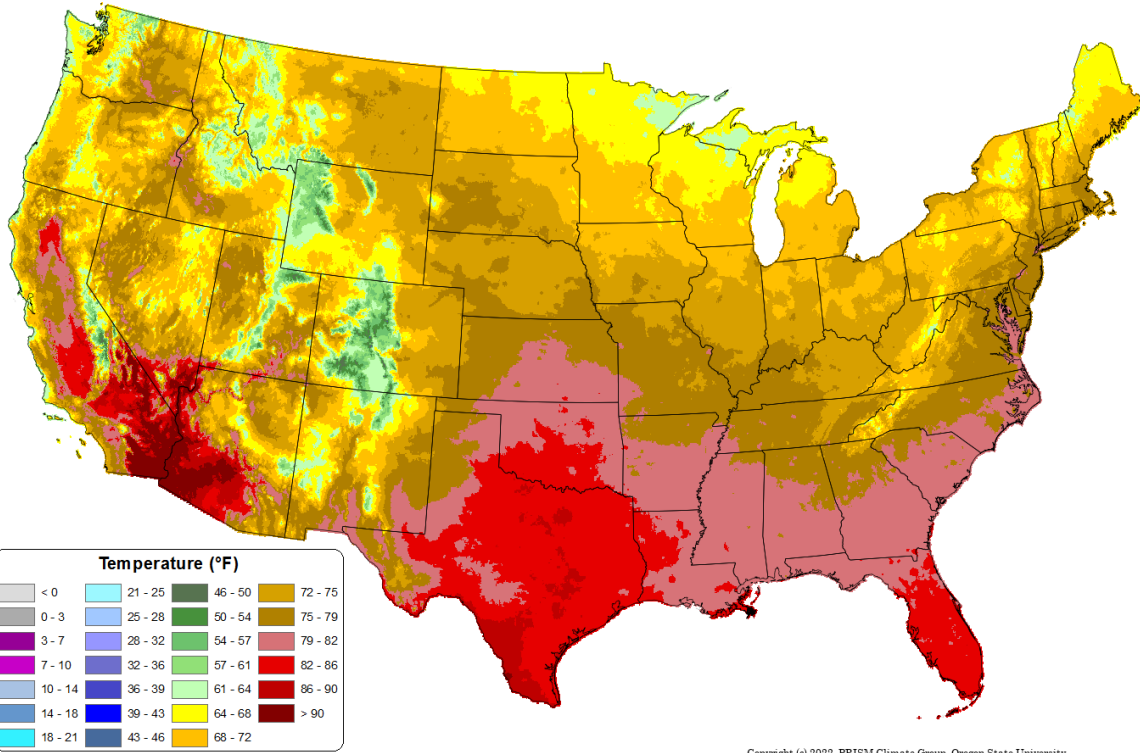


McBride burn scar - Gavilan Canyon Road Aug 17<sup>th</sup>  
Photo courtesy Joe Kenmore



Actual

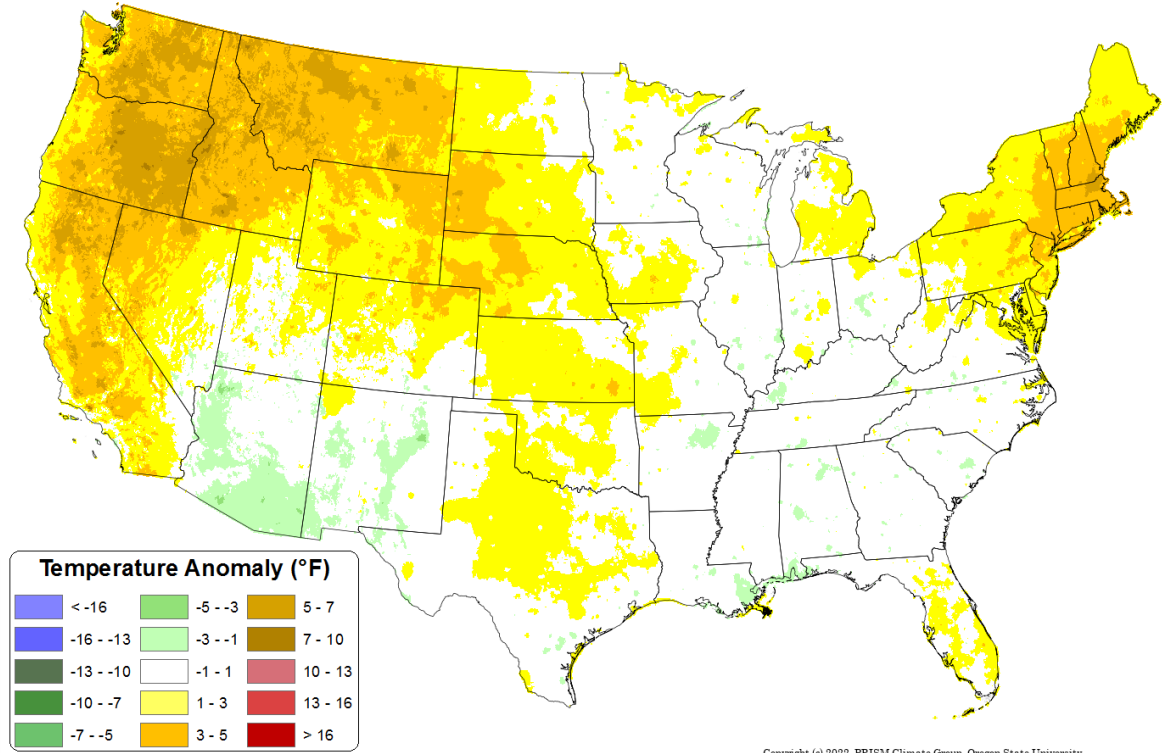
Average Daily Mean Temperature: Aug 2022  
Period ending 7 AM EST 31 Aug 2022  
(Map created 02 Sep 2022)



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Anomaly

Daily Mean Temperature Anomaly: Aug 2022  
Period ending 7 AM EST 31 Aug 2022  
Base period: 1991-2020  
(Map created 02 Sep 2022)

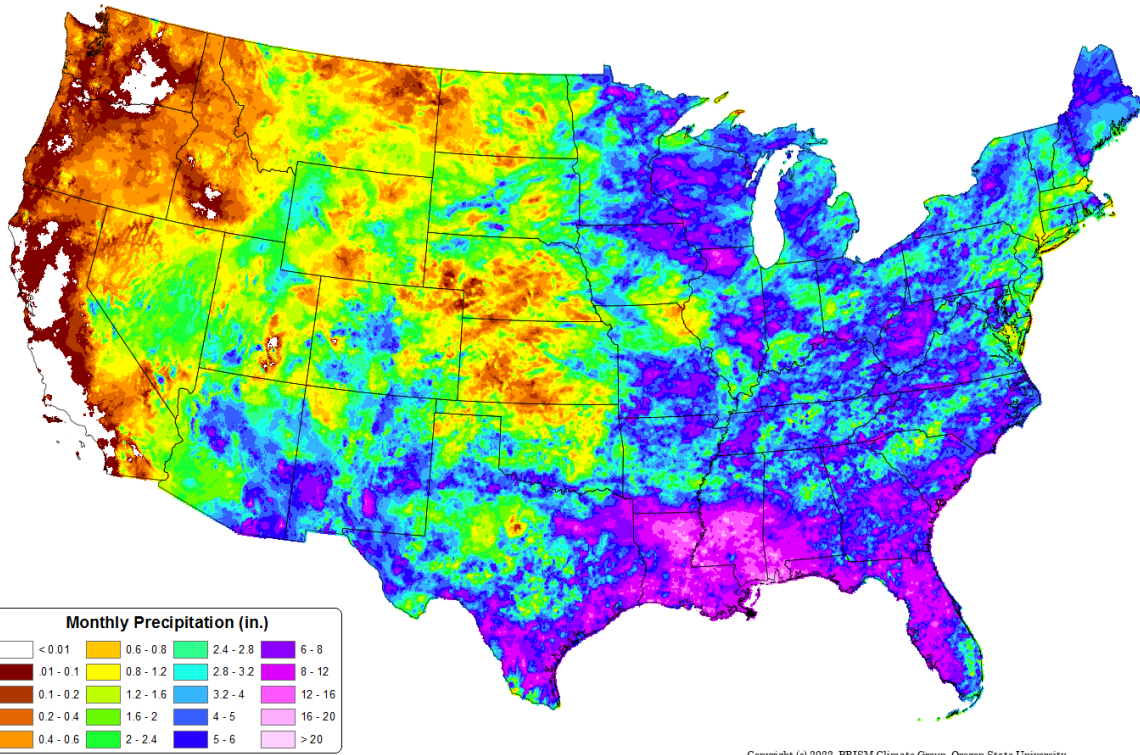


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August temperatures were near to below normal across NM, especially central areas.

Actual

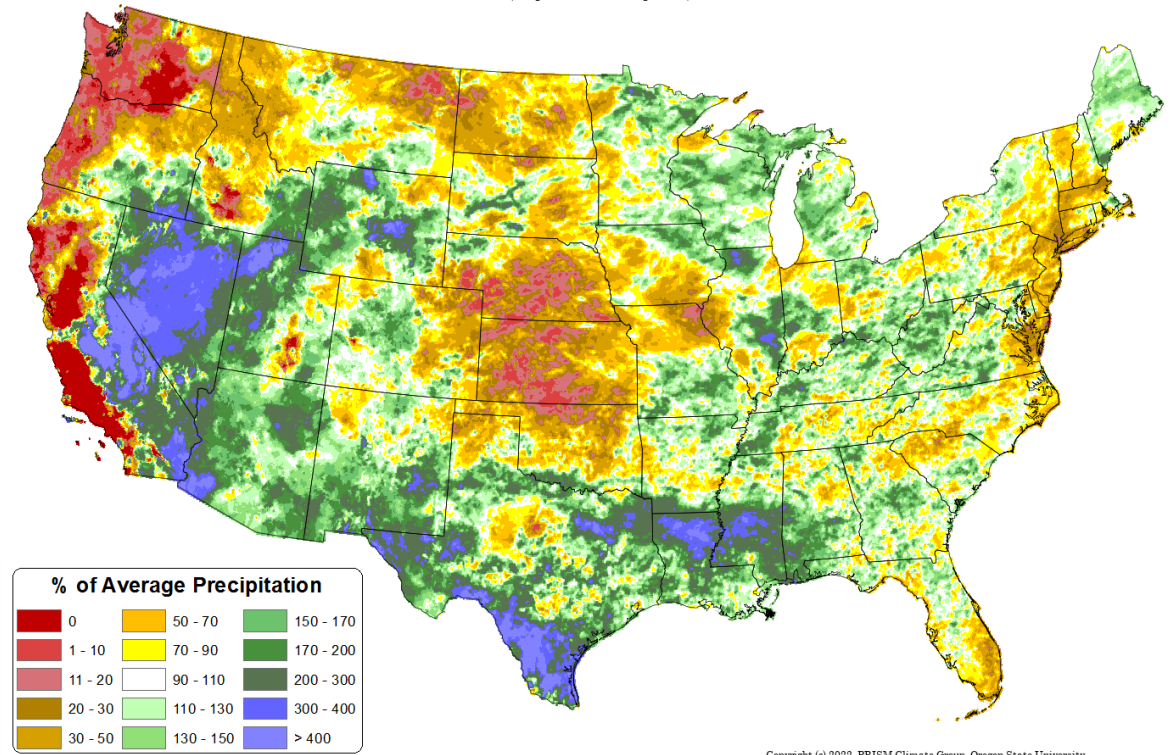
**Total Precipitation: Aug 2022**  
 Period ending 31 Aug 2022  
 (Map created 02 Sep 2022)



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Anomaly

**Total Precipitation Anomaly: Aug 2022**  
 Period ending 31 Aug 2022  
 Base period: 1991-2020  
 (Map created 02 Sep 2022)



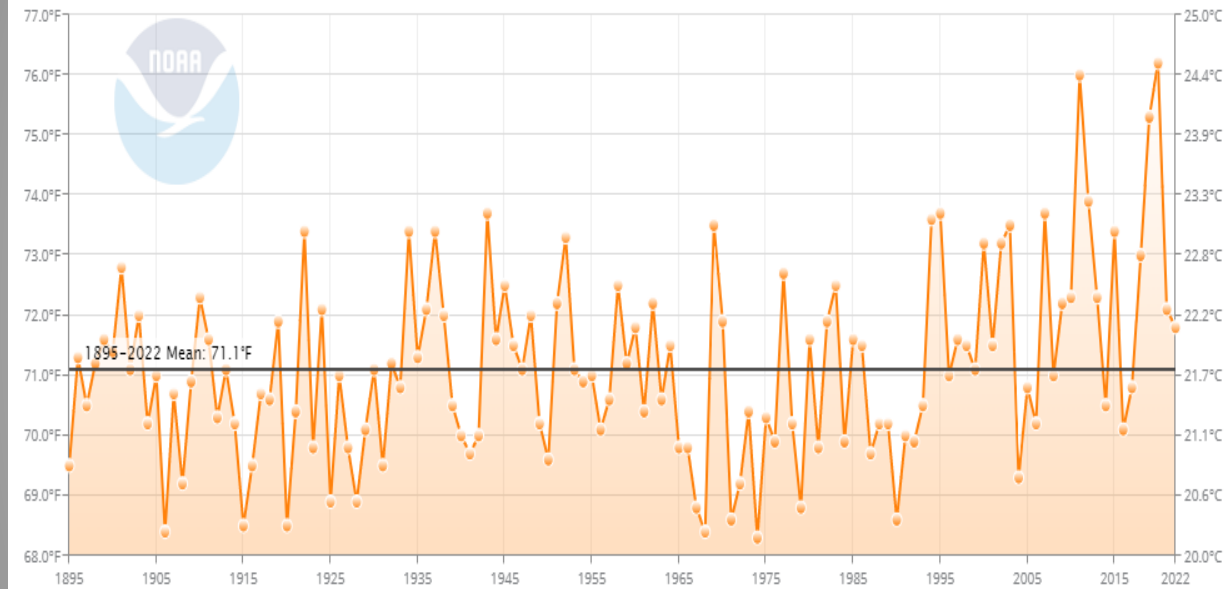
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August precipitation was above normal to well above normal, except the far northwest and far northeast where below normal precipitation was reported.



Temperature

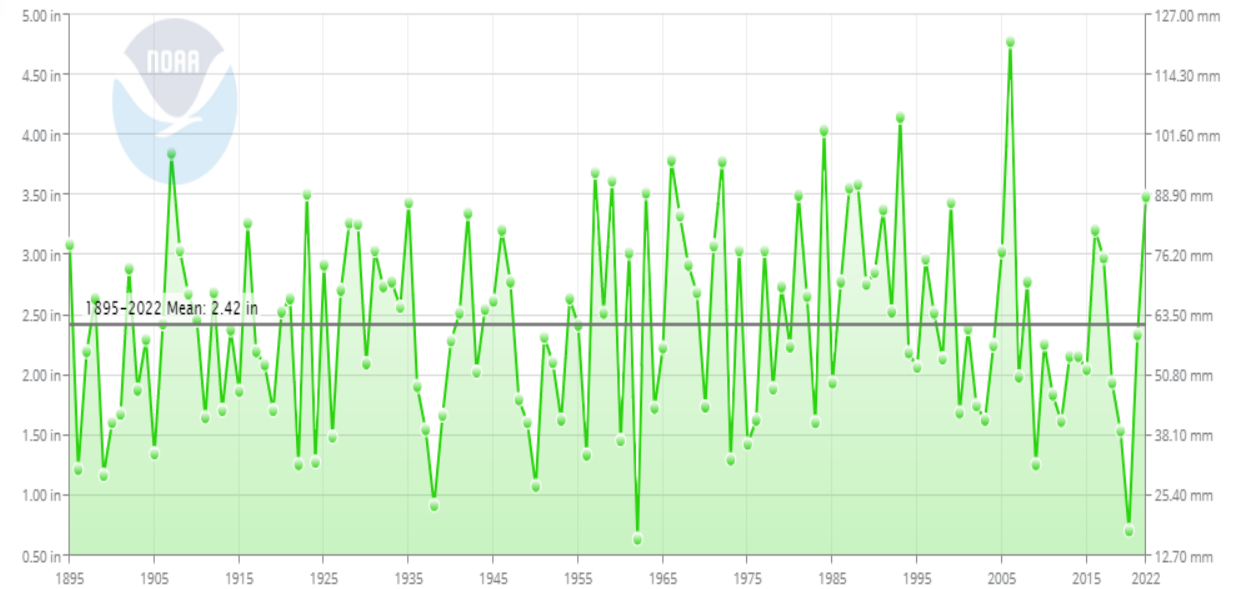
New Mexico Average Temperature  
August



The August 2022 average statewide temperature was 71.8°, which was 0.9° above the long-term normal of 70.9° (1901-2000). This ranked as the 39<sup>th</sup> warmest August on record (1895-2022).

Precipitation

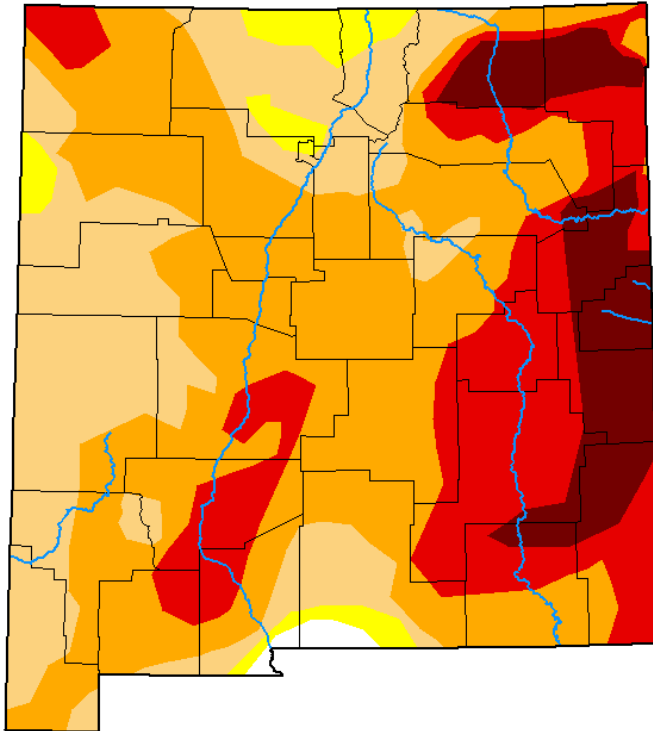
New Mexico Precipitation  
August



The August 2022 average statewide precipitation was 3.55", which was 1.08" above the long-term normal of 2.47" (1901-2000). This ranked as the 11<sup>th</sup> wettest August on record (1895-2022). August 2022 was the wettest August in 16 years since the record was set in 2006.



**U.S. Drought Monitor  
New Mexico**



**August 2, 2022**  
(Released Thursday, Aug. 4, 2022)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.68	99.32	95.91	71.24	29.41	9.34
<b>Last Week</b> 07-26-2022	0.68	99.32	98.51	76.22	32.58	11.08
<b>3 Months Ago</b> 05-03-2022	0.00	100.00	98.94	95.79	79.05	24.64
<b>Start of Calendar Year</b> 01-04-2022	0.00	100.00	97.83	75.86	20.91	0.00
<b>Start of Water Year</b> 09-28-2021	10.70	89.30	79.47	49.33	19.12	0.00
<b>One Year Ago</b> 08-03-2021	12.14	87.86	80.32	67.01	31.31	7.32

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

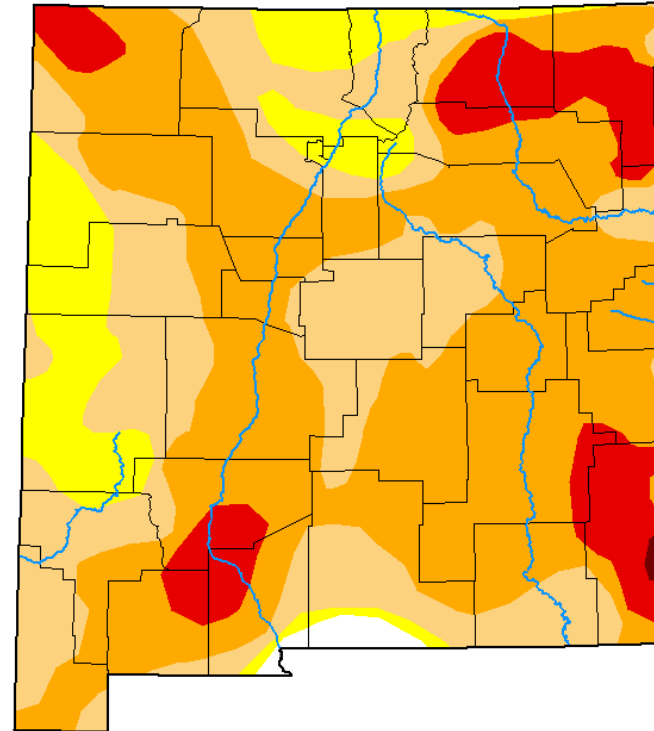
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National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

**U.S. Drought Monitor  
New Mexico**



**August 30, 2022**  
(Released Thursday, Sep. 1, 2022)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.93	99.07	87.78	58.58	10.43	0.23
<b>Last Week</b> 08-23-2022	0.91	99.09	88.36	61.62	14.77	0.31
<b>3 Months Ago</b> 05-31-2022	0.00	100.00	99.26	97.20	90.06	45.84
<b>Start of Calendar Year</b> 01-04-2022	0.00	100.00	97.83	75.86	20.91	0.00
<b>Start of Water Year</b> 09-28-2021	10.70	89.30	79.47	49.33	19.12	0.00
<b>One Year Ago</b> 08-31-2021	13.53	86.47	75.85	50.05	21.18	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
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- D3 Extreme Drought
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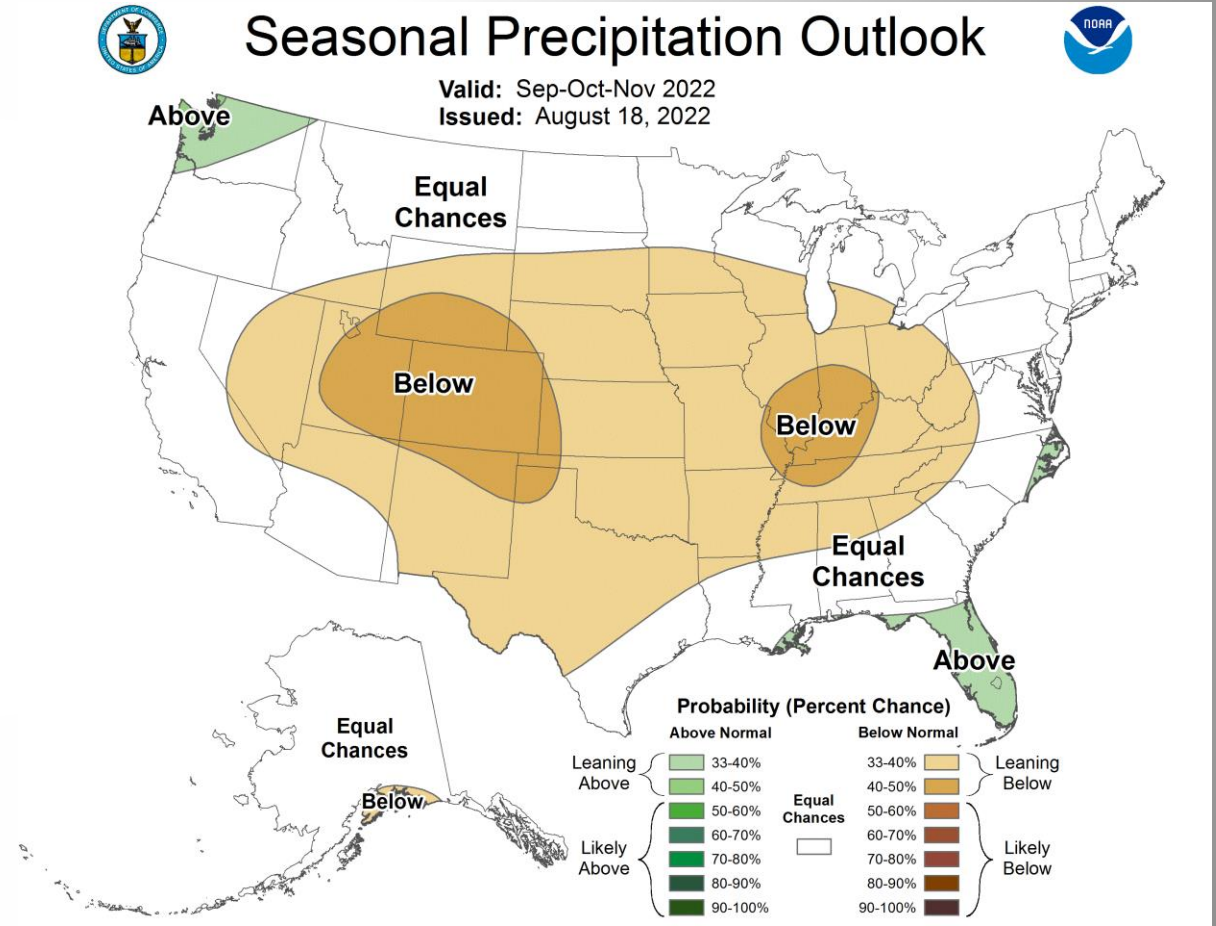
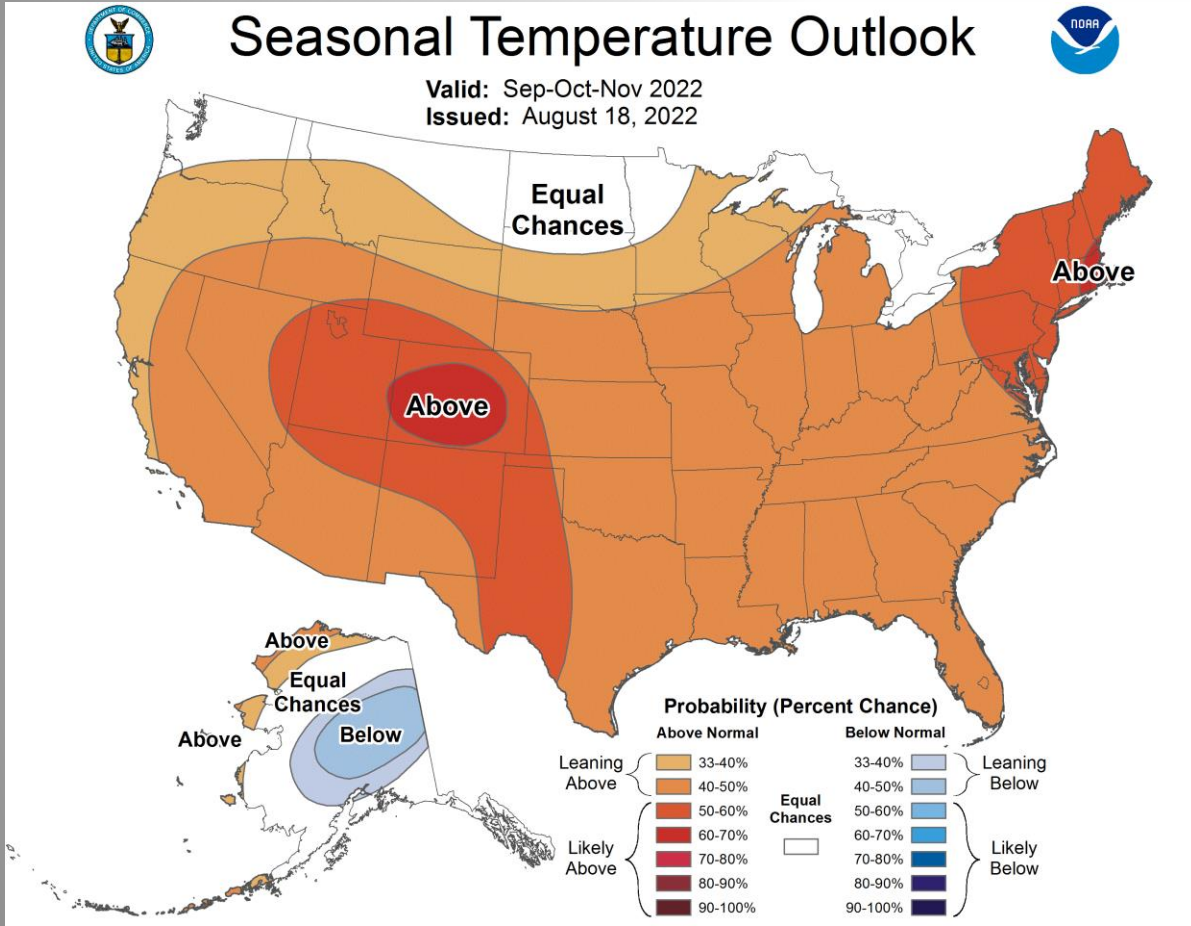


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

Drought conditions in August improved an entire category in most areas. Eastern NM experienced the greatest change with counties along the TX border seeing two category improvements from exceptional to severe drought.

**Temperature**  
September-October-November

**Precipitation**  
September-October-November



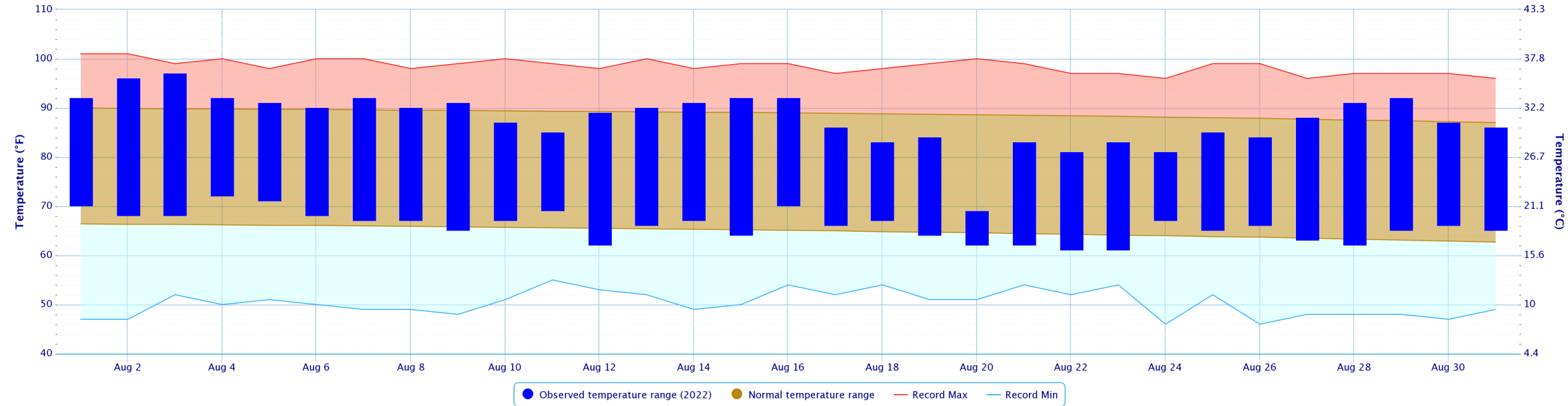
Above normal temperatures and below normal precipitation continue to be the most likely weather scheme for the fall season, especially in northern New Mexico.



Average Temperature: 76.8°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record - 1891-12-01 to 2022-09-03. Normals period: 1991-2020. Click and drag to zoom chart.



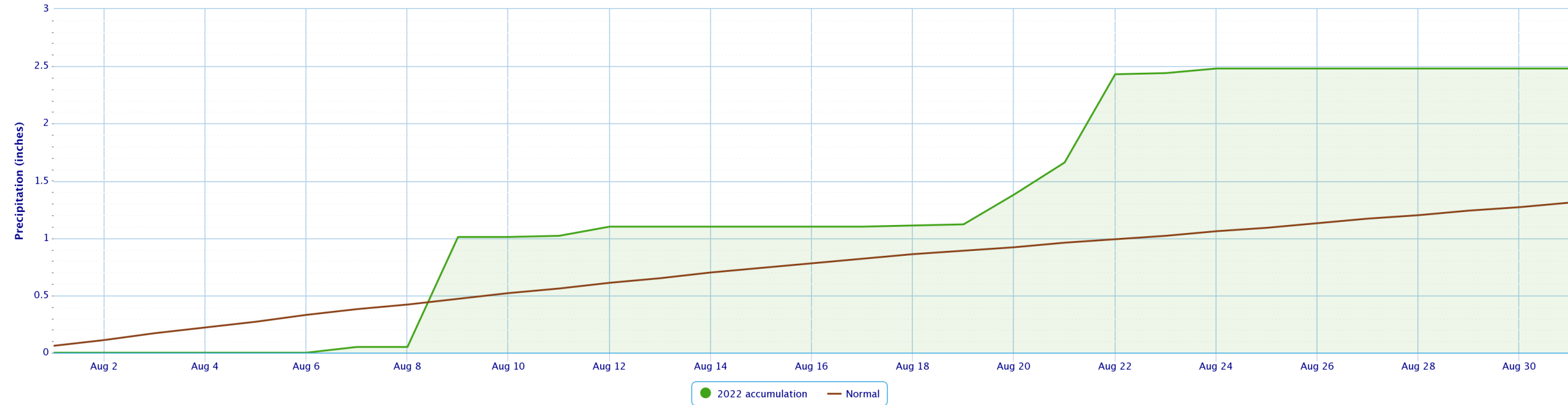
The August 2022 average temperature for Albuquerque was 76.8°, which was 0.1° below the normal of 76.9°. The average maximum temperature for the month was 87.7°. This was 1.1° below the normal average maximum temperature of 88.8°. The average minimum temperature for the month was 65.9°. This was 1.0° above the normal average minimum temperature of 64.9°. This ranked as the 38<sup>th</sup> warmest August on record.



Precipitation: 2.48"

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

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



The August 2022 precipitation for Albuquerque was 2.48", which was 1.17" above the normal of 1.31". This ranked as the 17<sup>th</sup> wettest August on record.

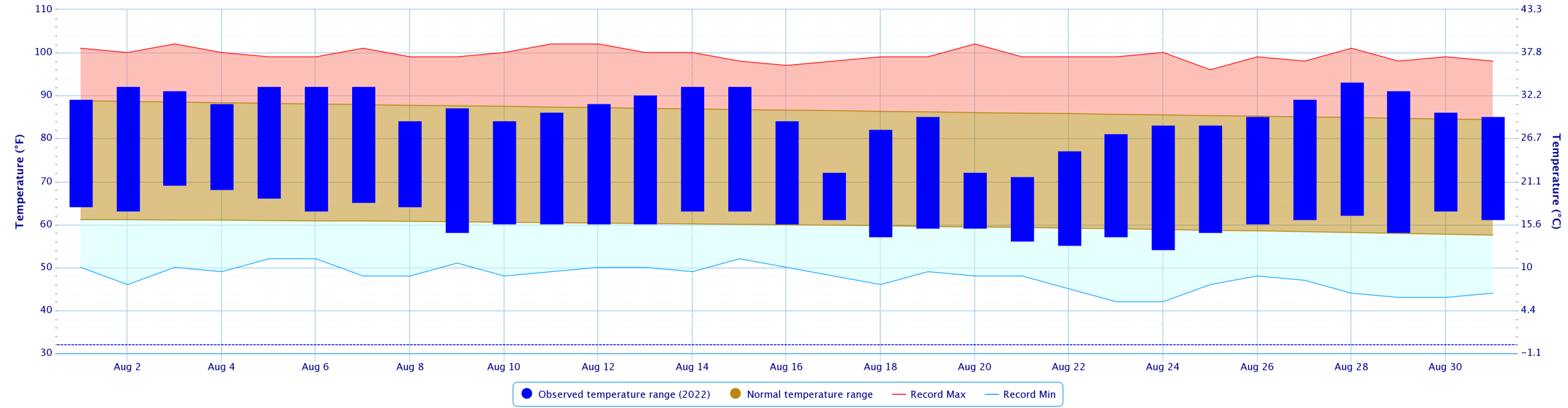




Average Temperature: 73.3°

Daily Temperature Data - Clayton Area, NM (ThreadEx)

Period of Record - 1896-02-01 to 2022-09-03. Normals period: 1991-2020. Click and drag to zoom chart.



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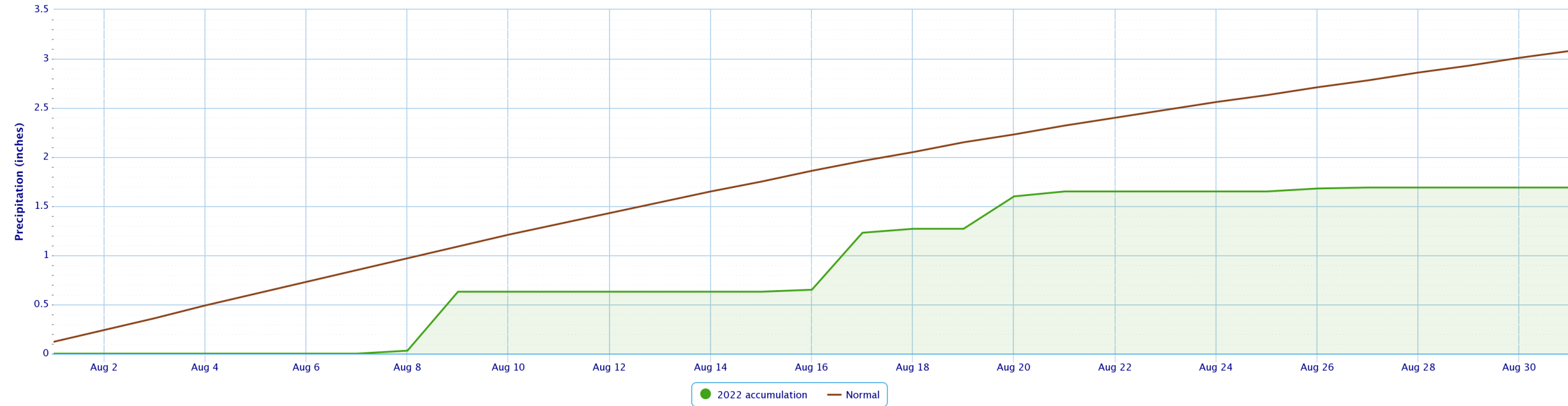
The August 2022 average temperature for Clayton was 73.3°, which was 0.2° above the normal of 73.1°. The average maximum temperature for the month was 85.7°. This was 0.9° below the normal average maximum temperature of 86.6°. The average minimum temperature for the month was 60.9°. This was 1.2° above the normal average minimum temperature of 59.7°. This ranked as the 48<sup>th</sup> warmest August on record.



Precipitation: 1.69"

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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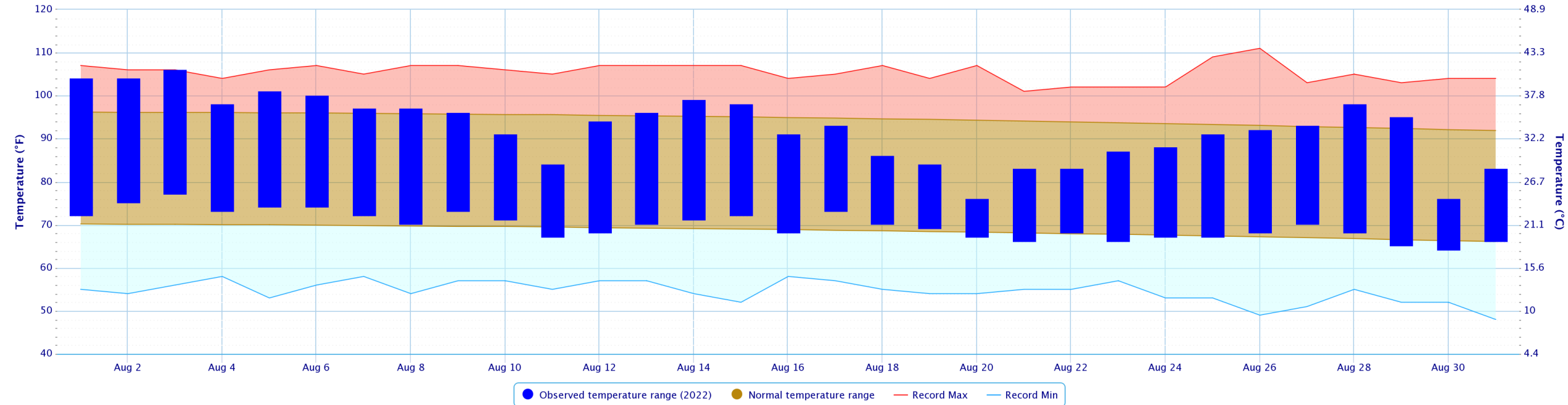
The August 2022 precipitation for Clayton was 1.69", which was 1.39" below the normal of 3.08". This ranked as the 39<sup>th</sup> driest August on record.



Average Temperature: 81.0°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2022-09-03; Min temperature: 1893-01-21 to 2022-09-03. Normals period: 1991–2020. Click and drag to zoom chart.



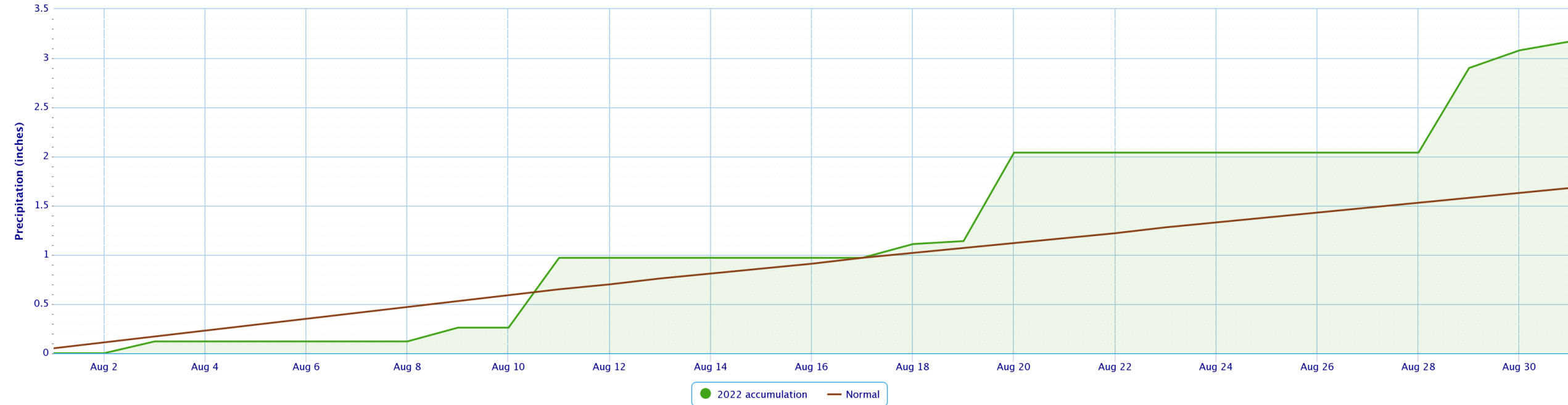
The August 2022 average temperature for Roswell was 81.0°, which was 0.6° below the normal of 81.6°. The average maximum temperature for the month was 92.4°. This was 2.2° below the average maximum temperature of 94.6°. The average minimum temperature for the month was 69.7°. This was 1.1° above the normal average minimum temperature of 68.6°. This ranked as the 17<sup>th</sup> warmest August on record.



Precipitation: 3.17"

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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



The August 2022 precipitation for Roswell was 3.17", which was 1.49" above the normal of 1.68". This ranked as the 23<sup>rd</sup> wettest August on record.



Event Type	Date	County/Zone Name	Magnitude	Event Narrative
Hail	8/1/2022	San Miguel	1"	A COOP observer near Villanueva reported dime to quarter size hail from a thunderstorm.
Flash Flood	8/1/2022	San Miguel		A COOP observer near Villanueva reported that the heavy rain caused flooding with water over roadways within the village.
Flash Flood	8/1/2022	Sandoval		Public reported intersection of Spring Drive SE and Black Hills Road SE near Cabezon was underwater from fast flowing flood waters.
Flash Flood	8/1/2022	Santa Fe		Heavy rain caused 4 to 6 inches of fast moving water to impact the intersection of Frost and Broken Arrow near Sedillo.
Flash Flood	8/3/2022	Mora		A report of 1.63 inches of heavy rain within one hour on the Calf Canyon burn scar flooded New Mexico State Road 105 near Gascon.
Flash Flood	8/3/2022	Mora		Heavy rain in Chacon near the Calf Canyon burn scar caused flooding across Highway 121. No damages were known.
Flash Flood	8/3/2022	Lincoln		Lincoln County EM reported flash flooding on Gavilan Ridge within the McBride burn scar that forced debris onto area roadways.
Flash Flood	8/3/2022	San Miguel		Heavy rain on the HPCC burn scar caused flash flooding in and around Rociada. Heaviest rains drained into Capulin Canyon.
Flash Flood	8/4/2022	San Miguel		Heavy rain on the HPCC burn scar produced flash flooding in Rociada. Video showed fast moving debris flow around property and structures.
Flash Flood	8/3/2022	Torrance		Heavy rain in the Tajique area caused flash flooding along SR-55, rendering it impassable as crews worked to clear water and debris off the roadway.
Flash Flood	8/1/2022	San Miguel		Heavy rain over the HPCC burn scar drained towards the Las Vegas area. An inebriated motorcyclist was rescued after crossing a flooded low water crossing.
Flash Flood	8/5/2022	Mora		Flash flooding on HPCC burn scar led to significant flash flooding in the Holman area, SR-518, SR-121, CR B-022.
Flash Flood	8/5/2022	Mora		Heavy rain on the HPCC burn scar led to flash flooding and debris flow in the Cleveland area.
Flash Flood	8/4/2022	Santa Fe		Flash flooding impacted the Medio burn scar. A large work truck was found destroyed from the flood waters, and large boulders and trees were moved.
Flash Flood	8/6/2022	San Miguel		Heavy rain on the HPCC burn scar drained into Montezuma, flooding New Mexico State Road 65 and forcing the closure of the roadway at mile marker 4.
Flash Flood	8/7/2022	Mora		Heavy rain on the HPCC burn scar caused flash flooding on SR-434 near El Turquillo. A male passenger died in flood waters as a vehicle was swept away.
Flash Flood	8/8/2022	San Miguel		Heavy rain on the HPCC burn scar caused flooding along SR-105 and SR-276.
Debris Flow	8/8/2022	Mora		A rock slide on the HPCC burn scar impacted SR-121 from mile markers 3 to 5. This forced the closure of the roadway and trapped vehicles on the road.
Debris Flow	8/8/2022	Mora		Heavy rain on the HPCC burn scar caused debris flow along New Mexico State Highway 518, rendering the roadway impassable near Holman.
Flash Flood	8/9/2022	Lincoln		Heavy rain on the McBride burn scar caused flash flooding along Gavilan Canyon Road near the intersection of Eagle Creek Canyon Road in Ruidoso.
Flash Flood	8/9/2022	Sandoval		Heavy rain near Golden caused flash flooding on Puertocito Road, forcing the closure of the roadway with debris and large boulders rendering it unpassable.
Flash Flood	8/11/2022	Sandoval		Video shared by local broadcast media showed flooding and debris flow on the Cerro Pelado burn scar near Sierra de Los Pinos and the East Fork Jemez River.








\*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/>



Event Type	Date	County/Zone Name	Magnitude	Event Narrative
Flash Flood	8/12/2022	Taos		A rock slide was reported along SR-68 between Taos and Embudo.
Flash Flood	8/16/2022	San Miguel		The IMET on the HPCC fire reported flash flooding along SR-276 due to the Maestas Creek overflowing its banks.
Flash Flood	8/16/2022	Mora		Heavy rain on the HPCC burn scar caused Canoncito Creek to overflow its banks and flood Highway 518.
Flash Flood	8/16/2022	San Miguel		Heavy rain on the HPCC burn scar ran into the Rito San Jose, causing it to overflow its banks. This caused significant flooding near Rociada, SR-105, and CR-A4B.
Flash Flood	8/16/2022	Colfax		The Colfax County EM reported minor damage to SR-21 as the nearby Moras and Rayado Creeks flowed over the roadway. Damage was mainly along the shoulder.
Flash Flood	8/16/2022	McKinley		Heavy rain near Church Rock forced the closure of Interstate 40 in both directions at mile marker 33.
Flash Flood	8/16/2022	San Juan		Devastating flash flooding impacted areas near Sheep Springs. A massive wave of water near U.S. 491 swept trailers, farm equipment, and furniture downstream.
Flash Flood	8/16/2022	McKinley		Heavy rain near Tse Bonito caused water to flow over State Route 264 at mile marker 1. Reports were received of cars stalled on the roadway.
Flash Flood	8/16/2022	McKinley		Heavy rain near Yah-Ta-Hey caused water to flow over State Route 264 at mile markers 9 through 10.
Flash Flood	8/17/2022	Lincoln		Heavy rain on the McBride burn scar caused flash flooding along Gavilan Canyon Road, near Warrior Drive.
Flash Flood	8/17/2022	San Juan		The San Juan County EM reported flash flooding at Chaco Canyon National Park. One roadway within the park was completely destroyed.
Flash Flood	8/16/2022	San Juan		Flash flooding reported along County Road 4990 at Armenta Wash near Bloomfield with water flowing over the roadway. This completely destroyed the roadway.
Flash Flood	8/19/2022	Lincoln		Heavy rain on the McBride burn scar caused water and debris to flow over Devils Canyon Road at an Eagle Creek low water crossing.
Flash Flood	8/20/2022	Lincoln		The Lincoln County EM reported steady heavy rainfall caused burn scar flash flooding on the McBride burn scar. All of Gavilan Canyon was flooded.
Flood	8/20/2022	Chaves		Consistent rainfall near Mesa caused flooding along U.S. 285 which stranded motorists between mile markers 144 and 146.
Wildfire	8/1-8/21/2022	E Slopes Sangre de Cristos		New Mexico's largest wildfire in state history was finally 100% contained on August 21, 2022 after burning for four months. The HPCC fire burned 341,735 acres.
Flash Flood	8/22/2022	Sandoval		Heavy rain in the Cuba area caused flooding over U.S. Highway 550 which impeded traffic.
Flash Flood	8/22/2022	Bernalillo		Heavy rain in eastern Albuquerque caused street flooding across portions of the metro area.
Flash Flood	8/22/2022	Taos		Localized heavy rain near Taos clogged an arroyo, causing significant flooding in parts of the Los Cordovas area.
Heavy Rain	8/22/2022	Santa Fe		Brief heavy rain near El Rancho caused the arroyos to run, and a truck somehow got stuck within the arroyo.
Flood	8/21-8/22/2022	Chaves		The Pecos River at Acme gauge crested at 17.37 ft. Major flood stage occurred for about seven hours.
Flood	8/21-8/27/2022	Chaves		The Pecos River flooded low lying areas around Dexter, Hagerman, and Lake Arthur.
Hail	8/29/2022	De Baca	1.25"	Half dollar size hail was reported east of Yeso.

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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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