



### Synopsis

September 2020 was drier than normal across most of the state. Temperatures were above normal in the west, near normal central and below normal east.

If it was not for the mega storm on the 8<sup>th</sup> through 10<sup>th</sup>, September would have been a benign, boring month. But this was a storm for the record books with widespread damaging winds on the 8<sup>th</sup>, northern mountains and east central highlands snow and record cold max and min temperatures on the early morning of the 9<sup>th</sup> through the early morning of the 11<sup>th</sup>. What was amazing were the widespread record highs on the 6<sup>th</sup> and 7<sup>th</sup> followed by record lows! Some record low max and min temperatures blew away previous records by double digits! Many record low temperatures were tied or broken! It was the earliest measurable snow at numerous locations!

UNM Campus September 8, 2020  
Photo by Wendy Jones via Facebook



ABQ - Pan American and Menaul September 8, 2020  
Photo by KRQE via Twitter



Downed tree in Albuquerque - Lomas and Eubank September 8 2020  
Photo by KRQE-TV



Raton snowfall September 9, 2020  
Photo courtesy of Tarin Giacomo – via Facebook



# September 2020 Climate Summary

## State Temperatures

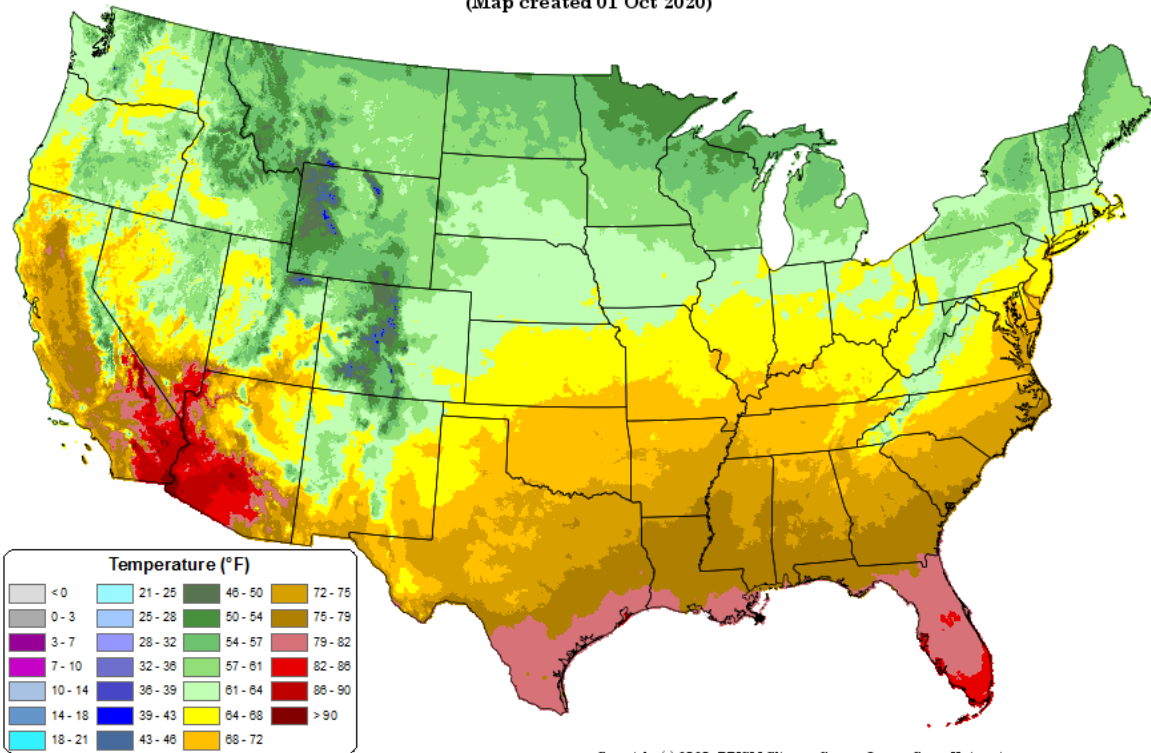


### Actual

### Anomaly

#### Average Daily Mean Temperature: 01 Sep 2020 - 30 Sep 2020

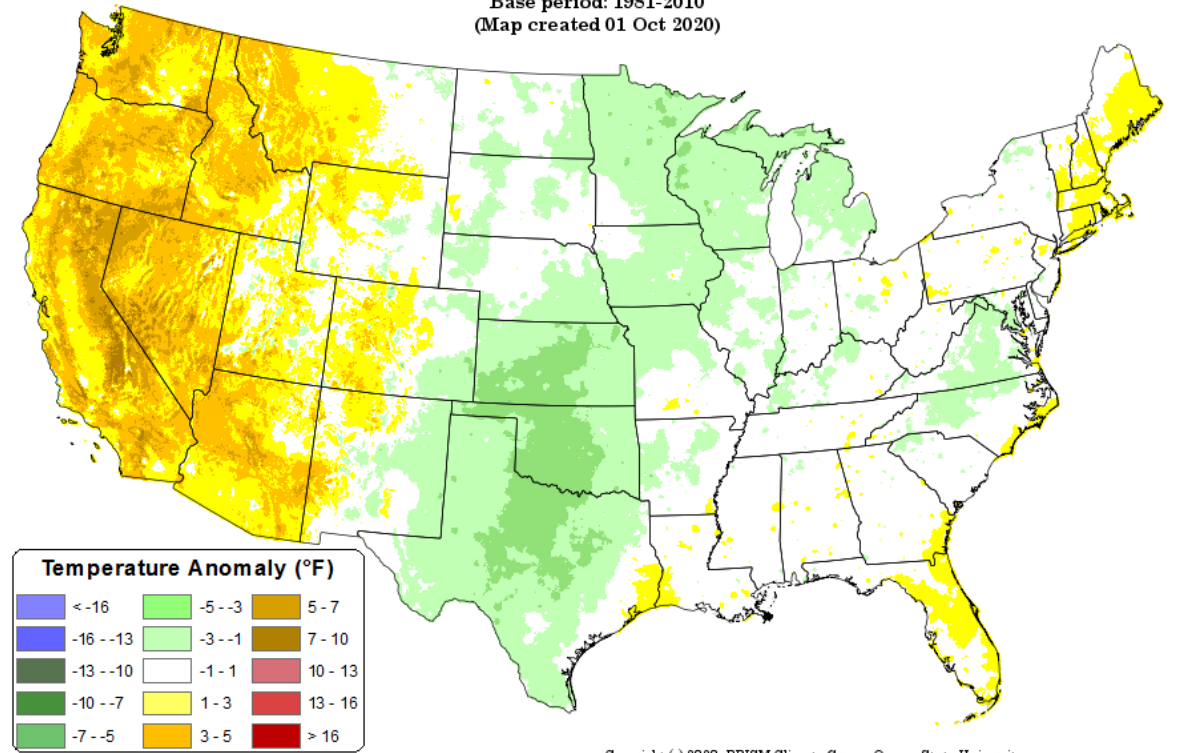
Period ending 7 AM EST 30 Sep 2020  
(Map created 01 Oct 2020)



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#### Daily Mean Temperature Anomaly: 01 Sep 2020 - 30 Sep 2020

Period ending 7 AM EST 30 Sep 2020  
Base period: 1981-2010  
(Map created 01 Oct 2020)



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# September 2020 Climate Summary

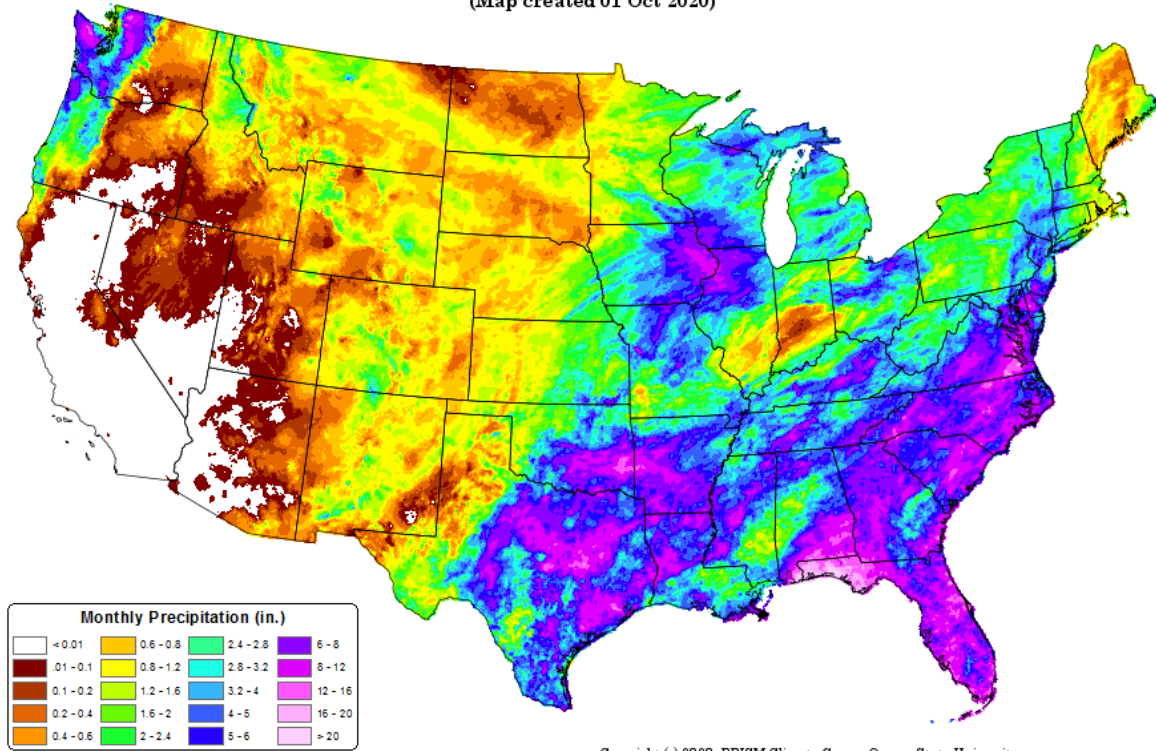
## State Precipitation

Weather Forecast Office  
Albuquerque, NM  
Issued October 10, 2020 12:51 AM MDT



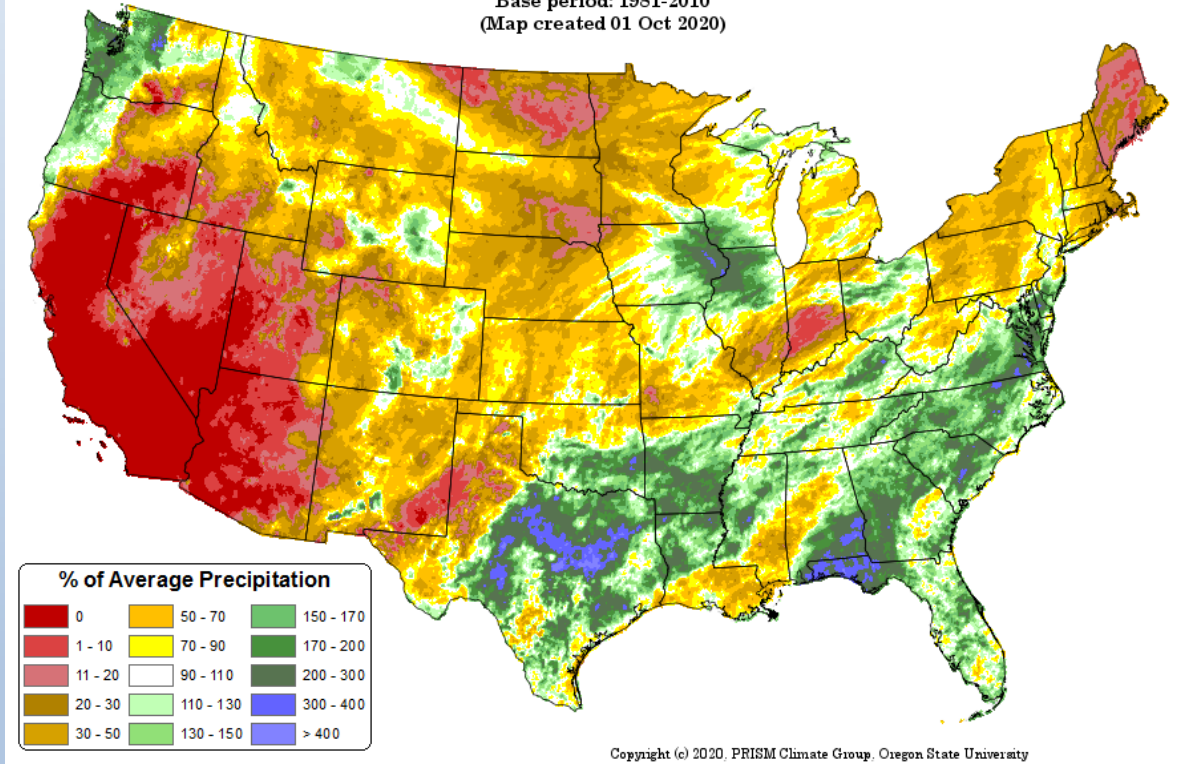
### Actual

**Total Precipitation: 01 Sep 2020 - 30 Sep 2020**  
Period ending 7 AM EST 30 Sep 2020  
(Map created 01 Oct 2020)



### Anomaly

**Total Precipitation Anomaly: 01 Sep 2020 - 30 Sep 2020**  
Period ending 7 AM EST 30 Sep 2020  
Base period: 1981-2010  
(Map created 01 Oct 2020)

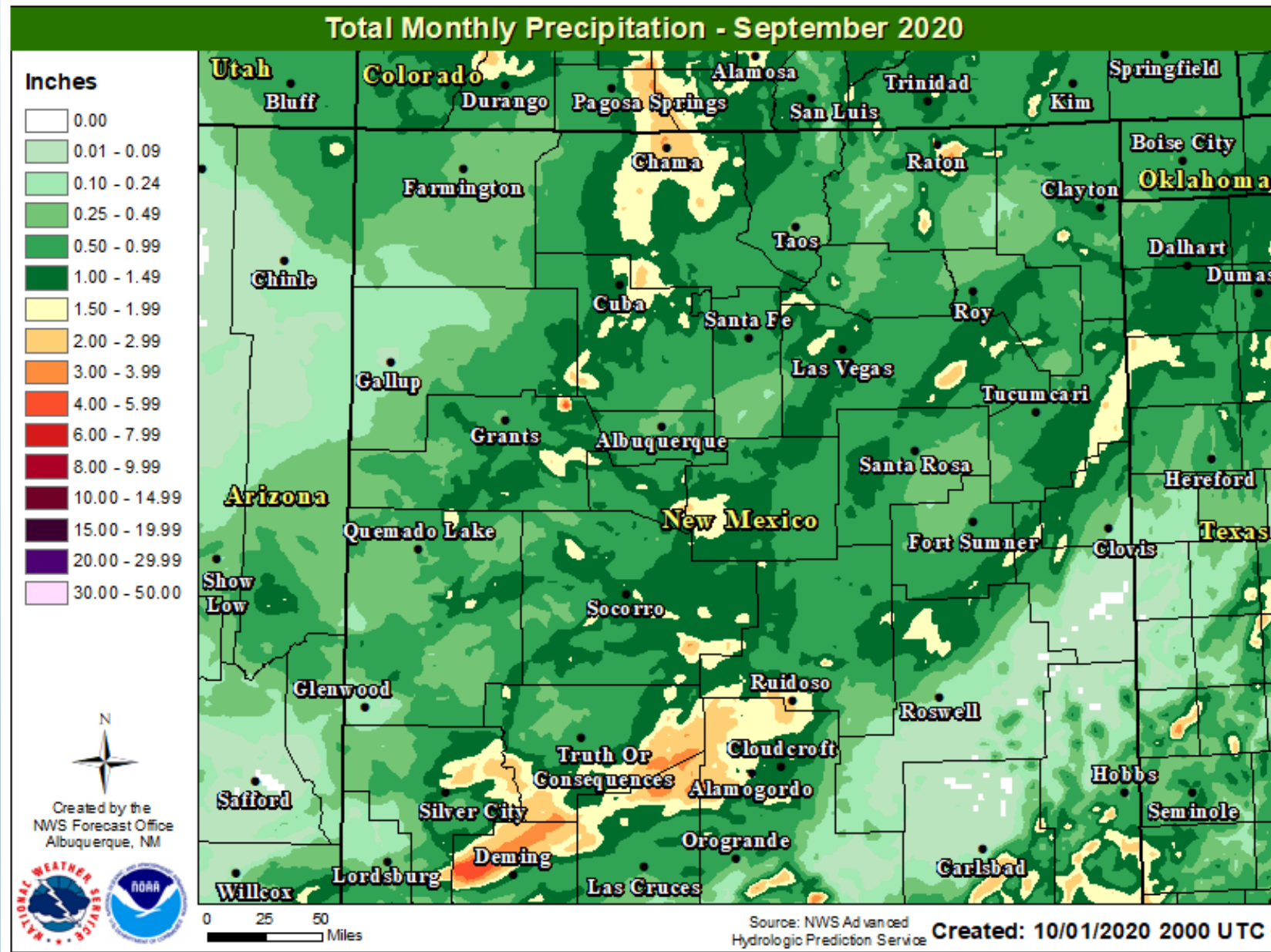


# September 2020 Climate Summary

## Monthly Precipitation

Weather Forecast Office  
Albuquerque, NM

Issued October 10, 2020 12:51 AM MDT



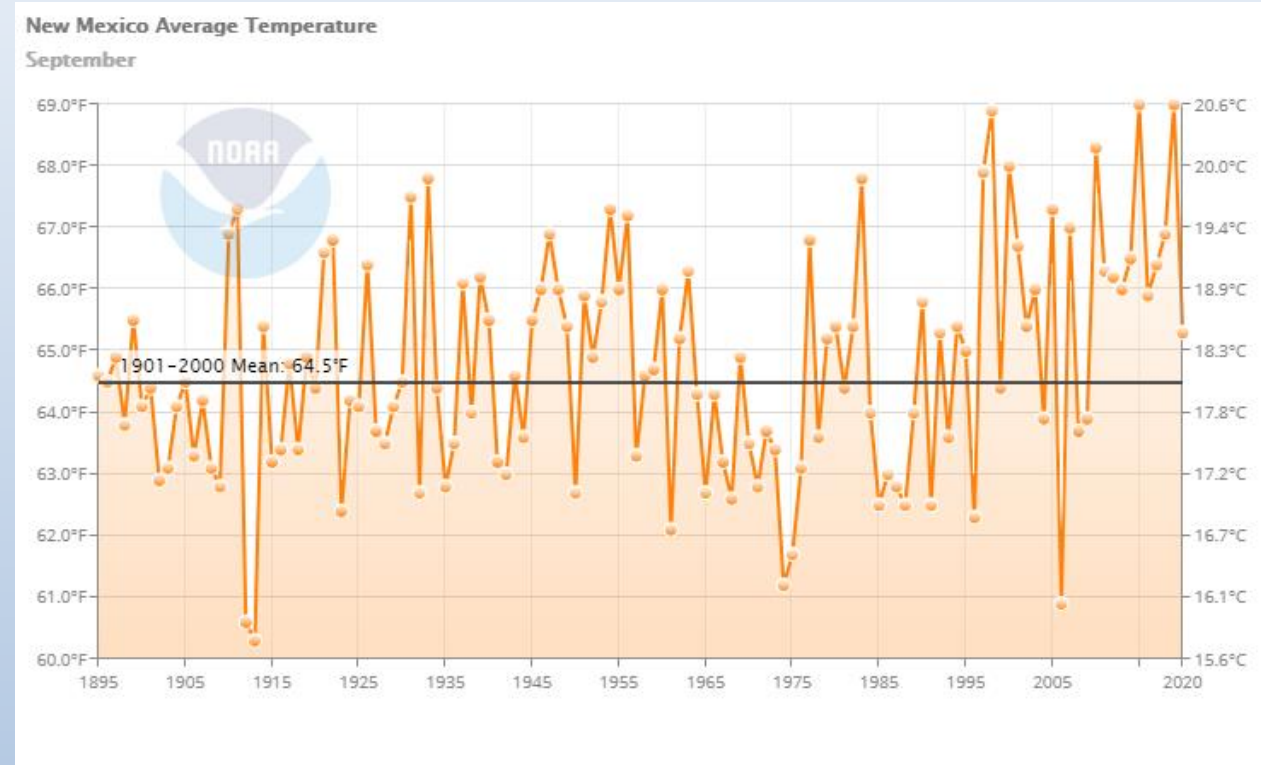
# September 2020 Climate Summary

## Statewide Temperature & Precipitation Trends

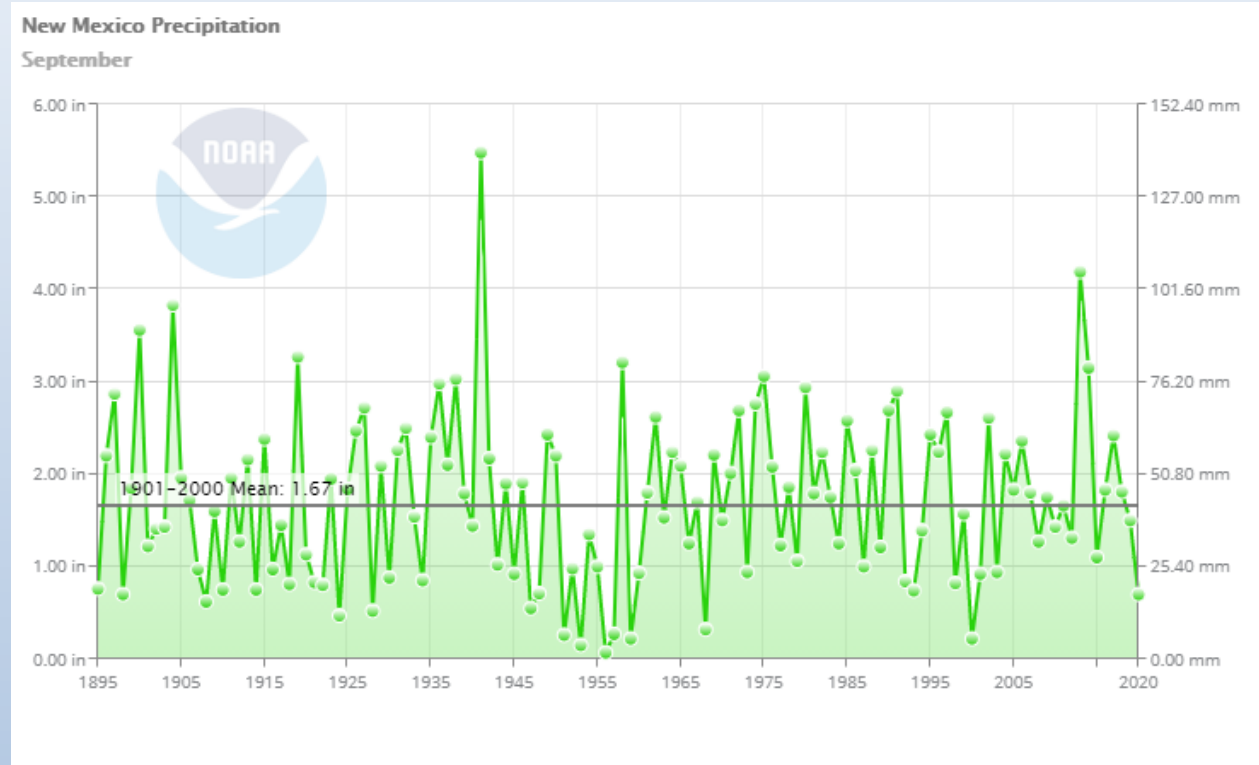
Weather Forecast Office  
Albuquerque, NM  
Issued October 10, 2020 12:46 AM MDT



### Temperature



### Precipitation

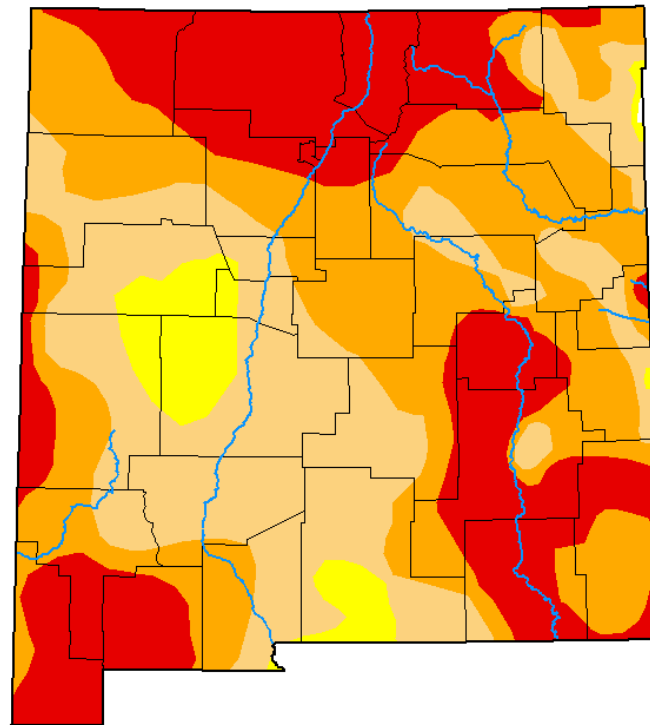


The average statewide temperature was 65.3° which was 0.8° above the long-term normal of 64.5° (1901-2000). This ranks as the 78th warmest September on record for New Mexico.

The average statewide precipitation was 0.70" which was 0.97" below the long-term normal of 1.67" (1901-2000). This ranks as the 12<sup>th</sup> driest September on record for New Mexico.



### U.S. Drought Monitor New Mexico

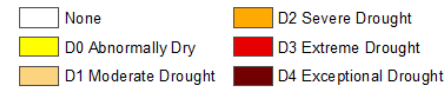


### September 1, 2020 (Released Thursday, Sep. 3, 2020) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.03	99.97	94.68	65.29	29.33	0.00
Last Week 08-25-2020	0.02	99.98	94.68	62.19	21.91	0.00
3 Months Ago 06-02-2020	32.02	67.98	44.32	23.31	4.53	0.00
Start of Calendar Year 12-31-2019	52.86	47.14	28.33	15.26	0.00	0.00
Start of Water Year 10-01-2019	37.27	62.73	29.82	6.81	0.00	0.00
One Year Ago 09-03-2019	42.78	57.22	29.82	2.90	0.00	0.00

Intensity:



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>

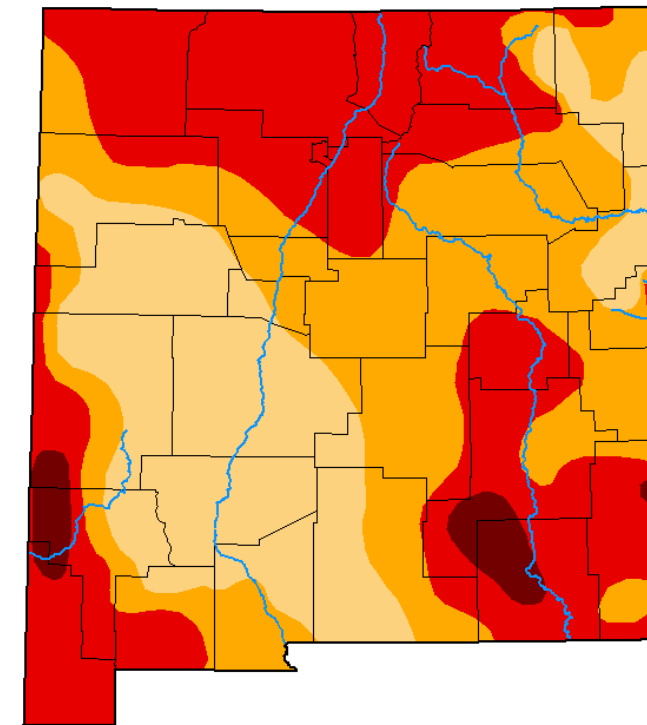
Author:

Richard Tinker  
CPC/NOAA/NWS/NCEP



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

### U.S. Drought Monitor New Mexico

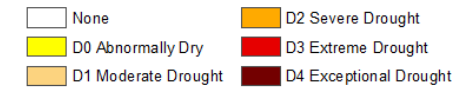


### September 29, 2020 (Released Thursday, Oct. 1, 2020) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.92	73.65	39.88	2.90
Last Week 09-22-2020	0.05	99.95	99.74	67.05	34.12	0.00
3 Months Ago 06-30-2020	24.94	75.06	52.71	41.32	11.35	0.00
Start of Calendar Year 12-31-2019	52.86	47.14	28.33	15.26	0.00	0.00
Start of Water Year 10-01-2019	37.27	62.73	29.82	6.81	0.00	0.00
One Year Ago 10-01-2019	37.27	62.73	29.82	6.81	0.00	0.00

Intensity:



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>

Author:

Brad Rippey  
U.S. Department of Agriculture



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

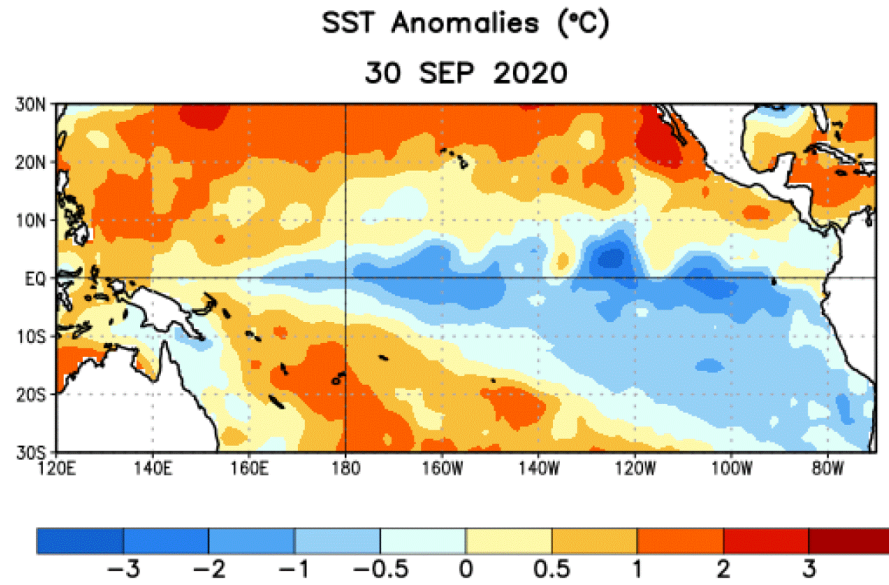


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 30 September 2020. Anomalies are computed with respect to the 1981-2010 base period weekly means.

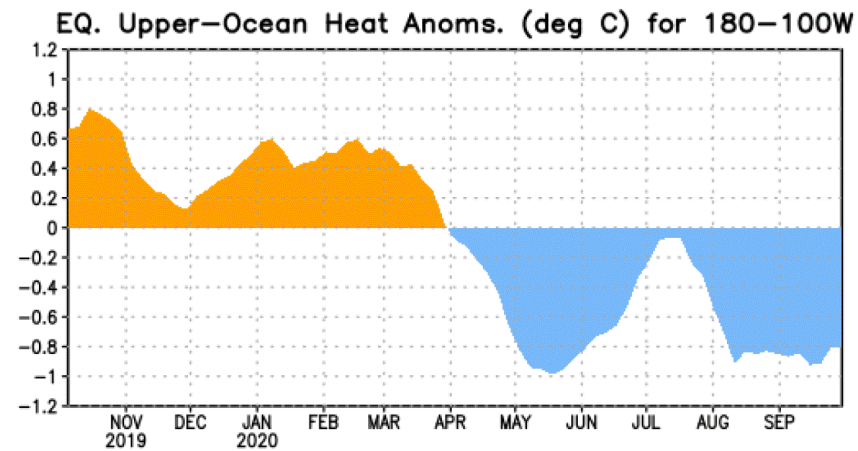


Figure 3. Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1981-2010 base period pentad means.

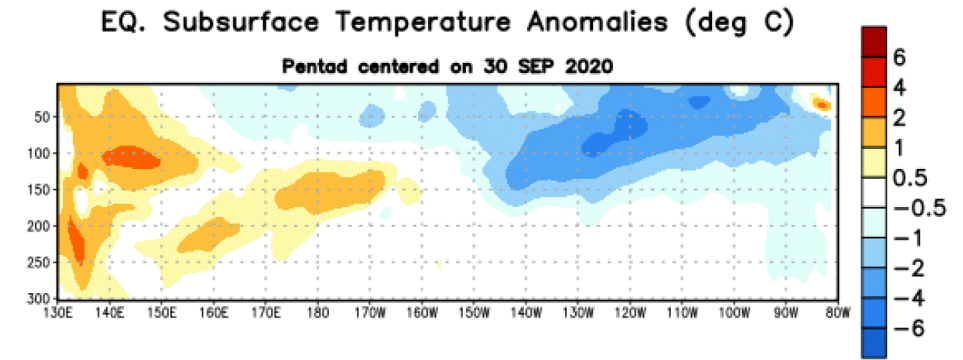


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies (°C) centered on the pentad of 30 September 2020. Anomalies are departures from the 1981-2010 base period pentad means.

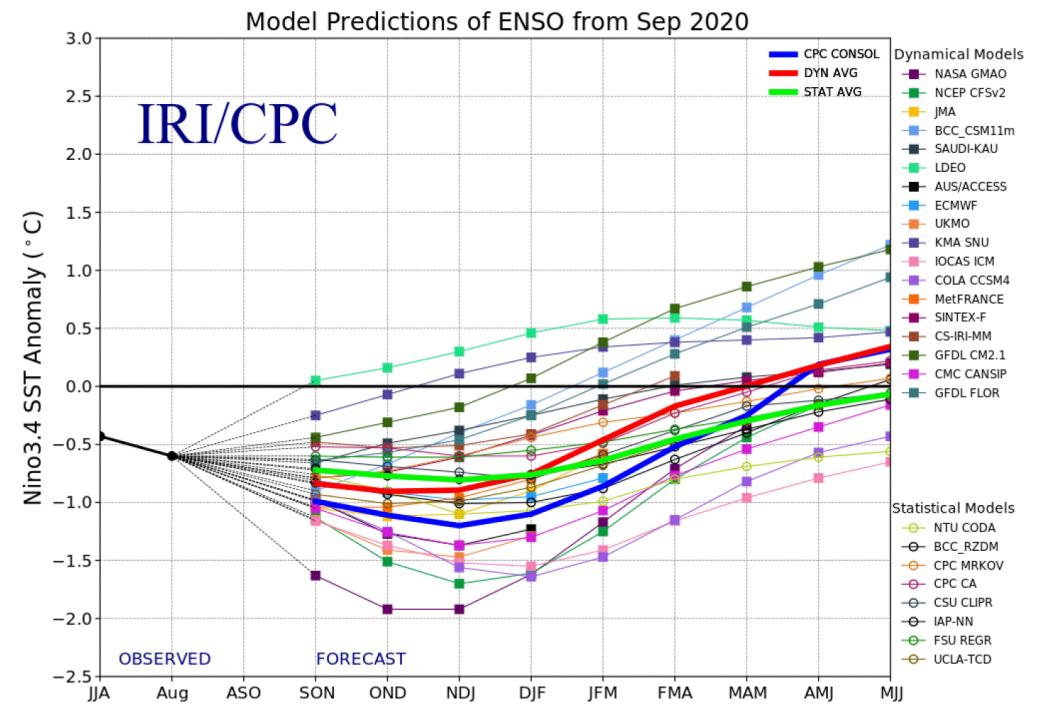


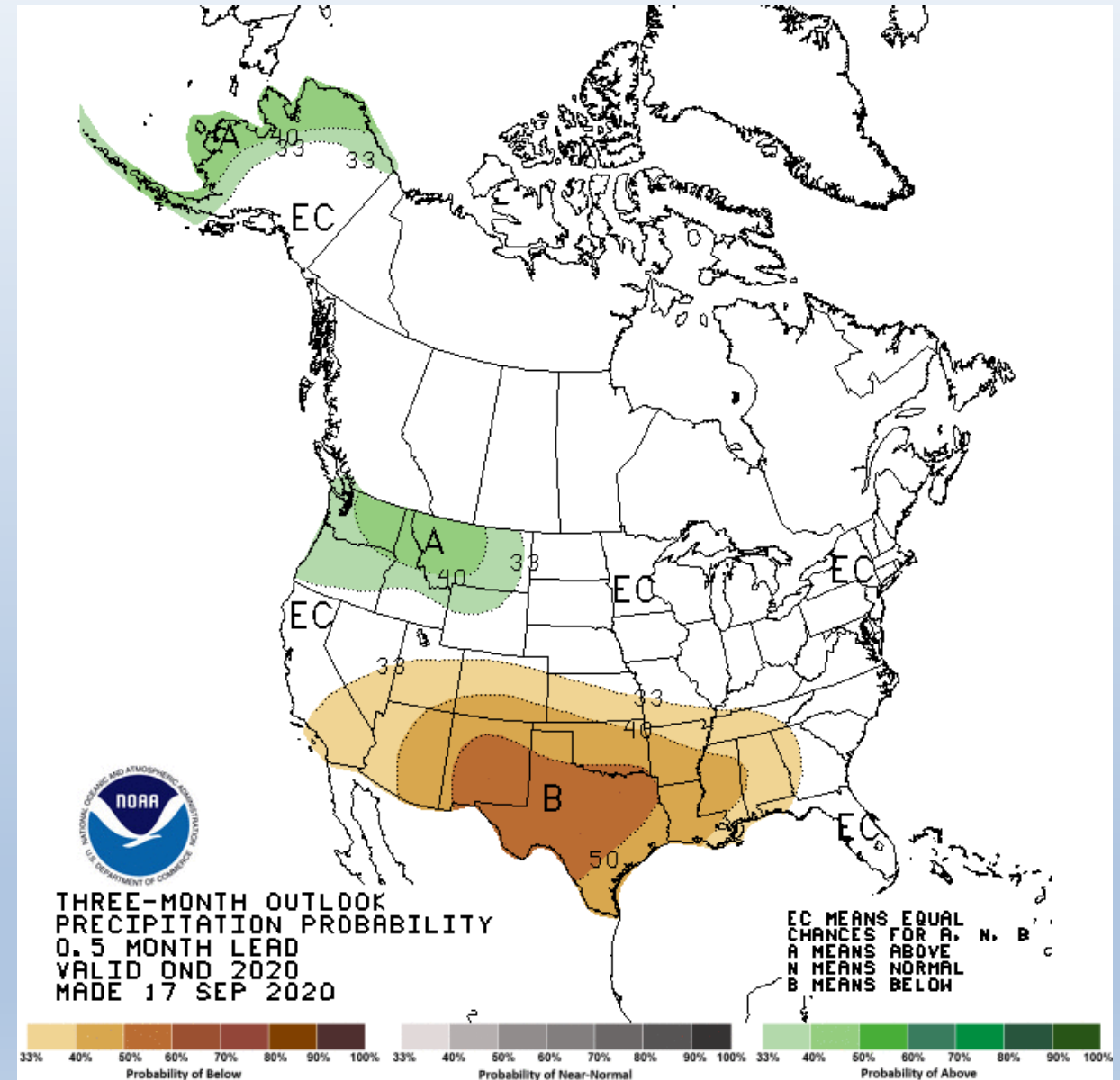
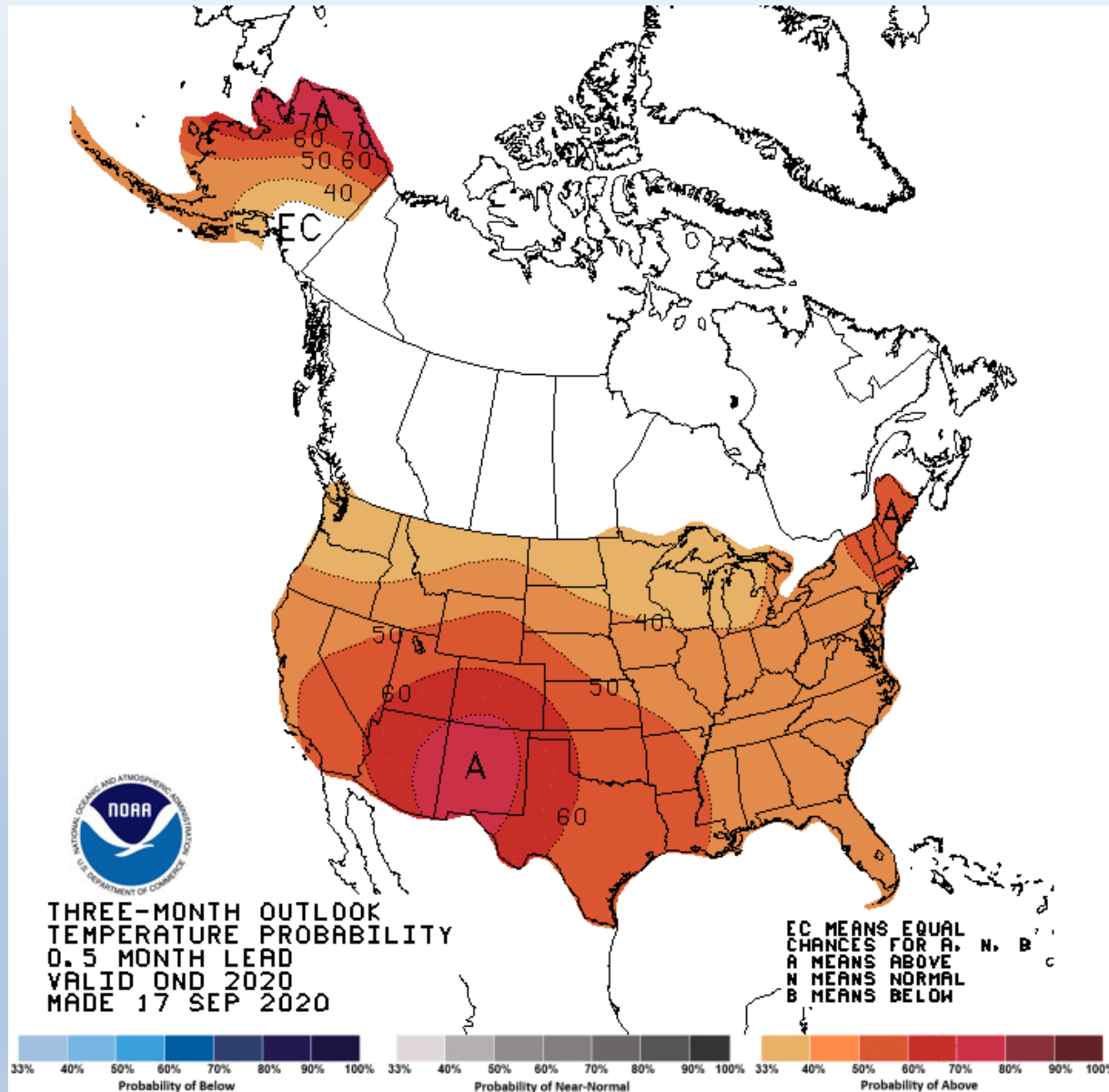
Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 18 September 2020.

# September 2020 Climate Summary

## Temperature & Precipitation Outlook

Weather Forecast Office  
Albuquerque, NM

Issued October 10, 2020 12:51 AM MDT



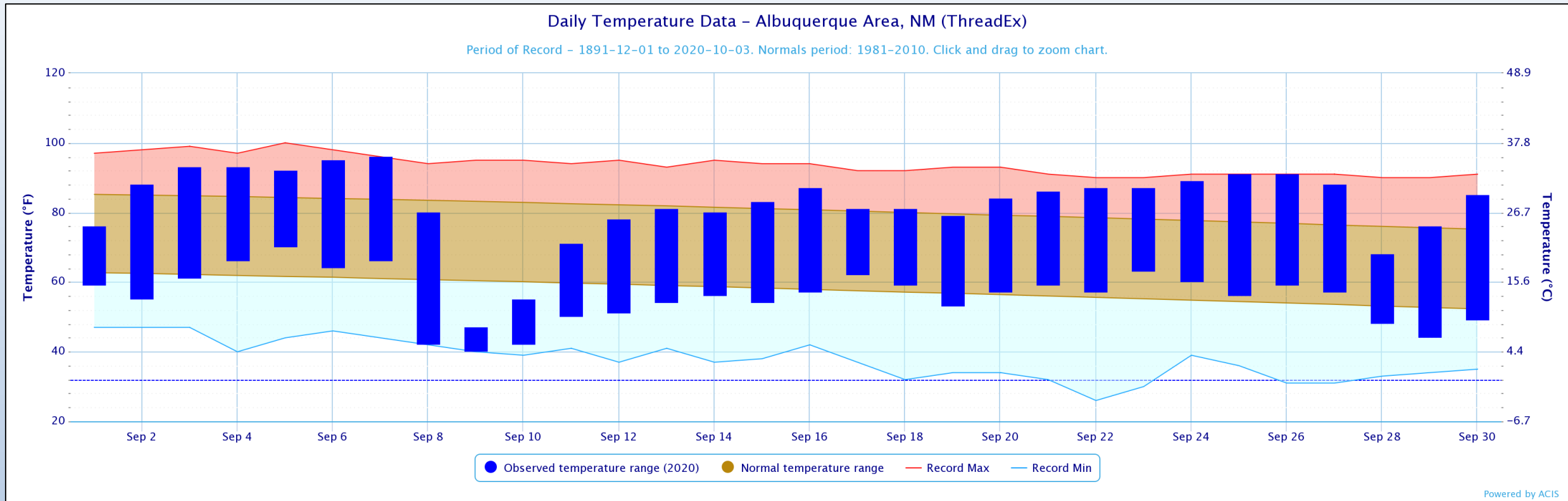


# September 2020 Climate Summary

## Albuquerque Sunport Temperatures

Weather Forecast Office  
Albuquerque, NM

Issued October 10, 2020 12:51 AM MDT



The average temperature for Albuquerque was 69.0°, which was 0.3° below the normal of 69.3°. The average maximum temperature for the month was 82.3°. This was 1.6° above the normal average maximum temperature of 80.7°. The average minimum temperature for the month was 55.7°. This was 2.2° below the normal average minimum temperature of 57.9°. This ranks as the 64<sup>th</sup> coolest September on record.

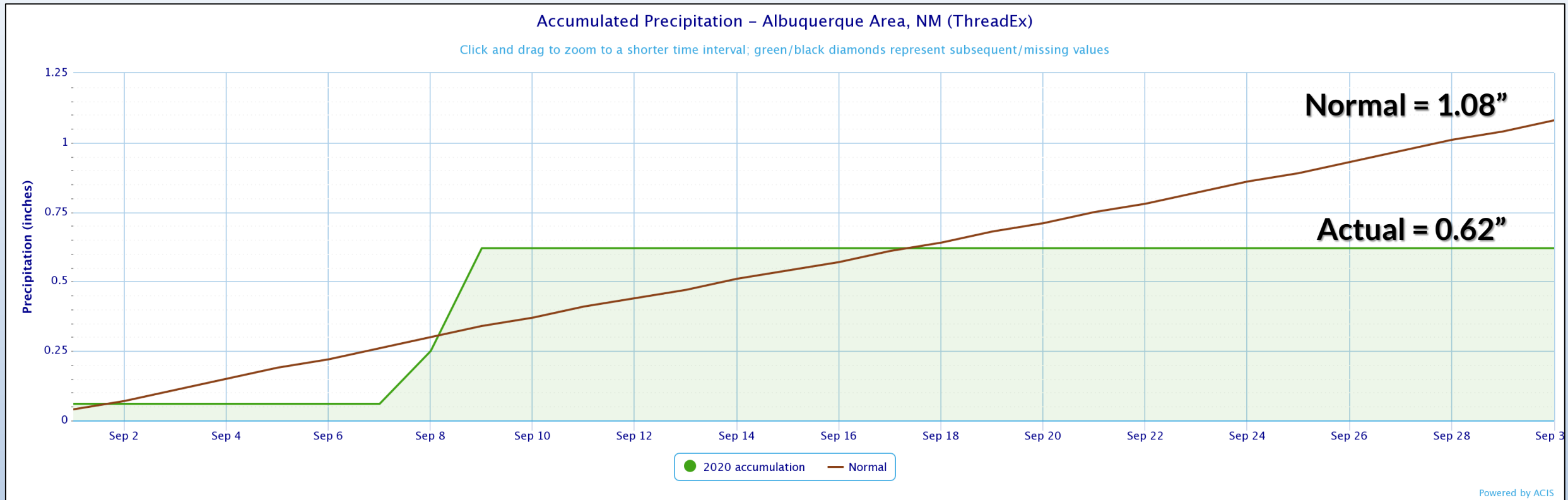
Record	Date	Record	Previous Record
High Temperature	September 7th	96°	96 in 1979
Low Temperature	September 8th	42°	47° in 1920
Low Temperature	September 9th	40°	43° in 1915
High Temperature	September 25th	91°	90° in 1998
High Temperature	September 26th	91°	90° in 1956

# September 2020 Climate Summary

## Albuquerque Sunport Precipitation

Weather Forecast Office  
Albuquerque, NM

Issued October 10, 2020 12:51 AM MDT

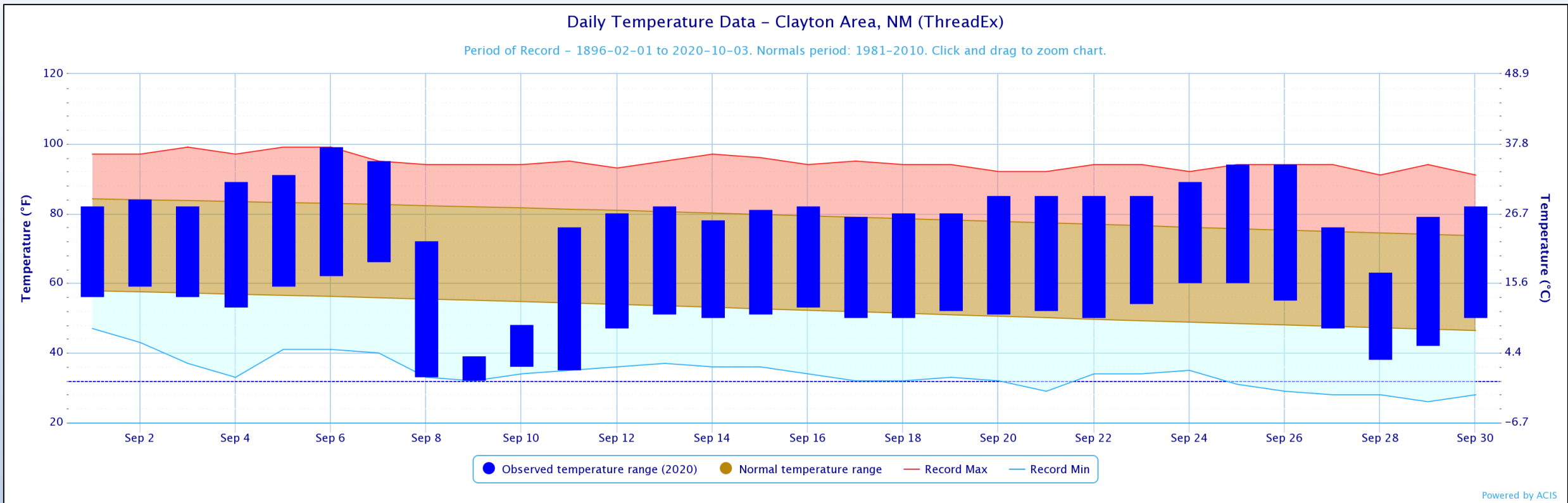


There was 0.62” of precipitation measured at the Sunport, compared to the normal of 1.08”, or 0.46” below normal. This ranks as the 57<sup>th</sup> driest September on record (1893-2019).

Record	Date	Record	Previous Record

# September 2020 Climate Summary

## Clayton Temperatures



The average temperature for Clayton was 65.4°, which was 0.4° below the normal of 65.8°. The average maximum temperature for the month was 80.5°. This was 1.2° above the normal average maximum temperature of 79.3°. The average minimum temperature for the month was 50.3°. This was 2.0° below the normal average minimum temperature of 52.3°. This ranks as the 51<sup>st</sup> coolest September on record.

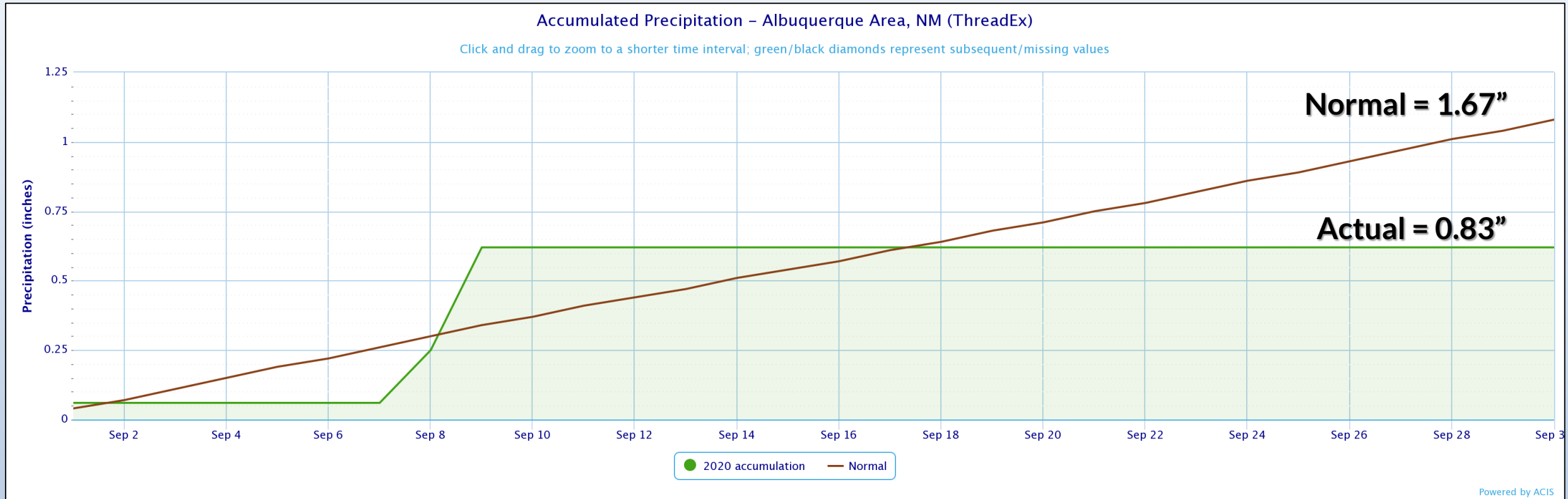
Record	Date	Record	Previous Record
High Temperature	September 6th	99°	98° in 2010
High Temperature	September 7th	95°	93° in 2015
Low Temperature	September 8th	33°	41° in 1941
Low Temperature	September 9th	32°	34° in 1941
Low Temperature	September 11th	35°	36° in 1929
High Temperature	September 25th	94°	93° in 1898
High Temperature	September 26th	94°	91° in 1911

# September 2020 Climate Summary

## Clayton Precipitation

Weather Forecast Office  
Albuquerque, NM

Issued October 10, 2020 12:51 AM MDT



There was 0.83” of precipitation measured at, compared to the normal of 1.67”, or 0.84” below normal. This ranks as the 40<sup>th</sup> driest September on record (1893-2019).

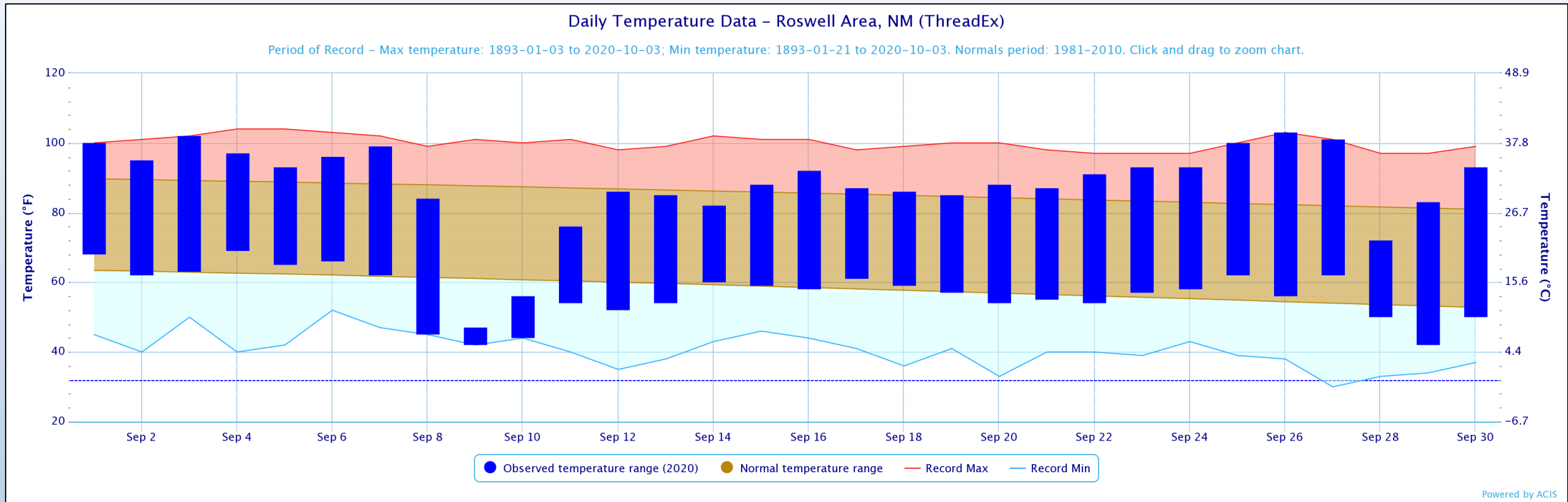
Record	Date	Record	Previous Record

# September 2020 Climate Summary

## Roswell Temperatures

Weather Forecast Office  
Albuquerque, NM

Issued October 10, 2020 12:51 AM MDT



The average temperature for Roswell was 72.3°, which was 0.3° above the normal of 72.0°. The average maximum temperature for the month was 88.0°. This was 2.4° above the average maximum temperature of 85.6°. The average minimum temperature for the month was 56.7°. This was 1.8° below the normal average minimum temperature of 58.5°. This was tied for the 43<sup>rd</sup> warmest September on record.

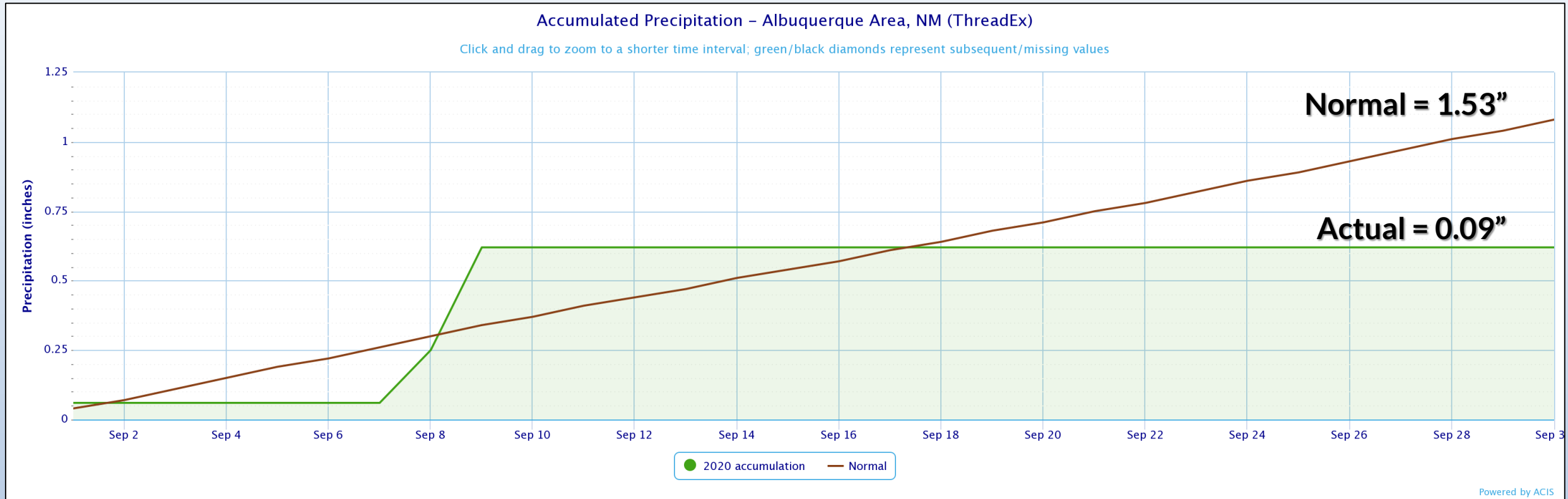
Record	Date	Record	Previous Record
High Temperature	September 1st	100°	100° in 2014
High Temperature	September 3rd	102°	102° in 2012
Low Temperature	September 8th	45°	48° in 1968
Low Temperature	September 9th	42°	47° in 1953
High Temperature	September 25th	100°	97° in 1951 & 2005
High Temperature	September 26th	103°	101° in 1953
High Temperature	September 27th	101° (latest 100° on record)	99° in 1953

# September 2020 Climate Summary

## Roswell Precipitation

Weather Forecast Office  
Albuquerque, NM

Issued October 10, 2020 12:51 AM MDT



There was 0.09" of precipitation measured at, compared to the normal of 1.53", or 1.44" below normal. This ranks as the 9<sup>th</sup> driest September on record.

Record	Date	Record	Previous Record

# September 2020 Climate Summary

## Severe Weather\*

Weather Forecast Office  
Albuquerque, NM

Issued October 10, 2020 12:51 AM MDT



Event Type	Date	County/Zone Name	Magnitude	Type	Event Narrative
Hail	9/1/2020	Valencia	1"		Quarter size hail was reported near Tome.
Thunderstorm Wind	9/1/2020	Torrance	55 kt	Gust	A brief rain squall produced a peak wind gust up to 63 mph at Clines Corners.
Thunderstorm Wind	9/1/2020	Torrance	52 kt	Gust	The second rain squall of the day moved over Clines Corners and produced a brief wind gust up to 60 mph.
Thunderstorm Wind	9/1/2020	De Baca	55 kt	Gust	Strong winds blew the roof off of a carport in Fort Sumner.
Thunderstorm Wind	9/1/2020	Chaves	53 kt	Gust	Thunderstorm outflow produced wind gusts up to 61 mph in Roswell. Visibility was reduced to 3/4 of a mile in dust.
Thunderstorm Wind	9/1/2020	Socorro	56 kt	Gust	An observer spotted four broken power poles along NM-116 after severe thunderstorm winds plowed through the area.
High Wind	9/8/2020	Curry	37 kt	Sustained	The Clovis airport reported sustained winds between 40 mph and 43 mph periodically for several hours.
High Wind	9/8/2020	Middle Rio Grande Valley/ABQ Metro	44 kt	Sustained	The Albuquerque Sunport measured sustained winds up to 51 mph as gap winds plowed through Tijeras Canyon.
High Wind	9/8/2020	Middle Rio Grande Valley/ABQ Metro	62 kt	Gust	Wind gusts up to 71 mph at the Albuquerque Sunport produced widespread tree damage across east Albuquerque.
High Wind	9/8/2020	Upper Rio Grande Valley	62 kt	Gust	Observers near Taos reported wind gusts up to 71 mph as powerful gap winds surged into the Upper Rio Grande Valley.
High Wind	9/8/2020	Santa Fe Metro Area	41 kt	Sustained	The Santa Fe airport reported sustained winds up to 47 mph as gap winds pushed through the area.
High Wind	9/8/2020	Santa Fe Metro Area	51 kt	Gust	The Santa Fe airport reported a peak wind gust to 59 mph as gap winds pushed through the area.
Dust Storm	9/8/2020	Chaves County Plains			U.S. Highway 285 closed between Roswell and Artesia due to blowing dust.
High Wind	9/8/2020	Middle Rio Grande Valley/ABQ Metro	69 kt	Gust	Embudo Canyon observer reported wind gusts up to 79 mph as gap winds plowed through Tijeras Canyon.
High Wind	9/8/2020	Sandia/Manzano Mountains	77 kt	Gust	A peak wind gust up to 89 mph was measured at the top of the Sandia Peak Tramway.
Winter Storm	9/8/2020	Tusas Mountains and Chama	3-6"		Fire and rescue teams evacuated around 50 campers at the Rio Chama RV park due to falling trees.
Winter Storm	9/8/2020	Johnson and Bartlett Mesa/Raton Pas	2-4"	Snow	Heavy snow and high winds resulted in severe travel conditions along U.S. Highway 64 east of Raton.

\*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/>
-  U.S. Drought Monitor: <https://droughtmonitor.unl.edu/>
-  NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
-  CPC ENSO: [https://www.cpc.ncep.noaa.gov/products/analysis\\_monitoring/enso\\_advisory/ensodisc.shtml](https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory/ensodisc.shtml)
-  NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
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