



Synopsis

June 2021 was a crazy month with record high temperatures during the first half of the month. The 12th was an active day with high winds and wind damage and very large hail. High winds also occurred on most of the days between the 19th and 24th. The monsoon set in quickly over the last few days of the month, saving us from another exceptionally dry month. In fact, there was so much rain in southeast New Mexico the month ended with precipitation way above normal! The rest of the state was near to above normal, except below normal in the far northeast and far west.

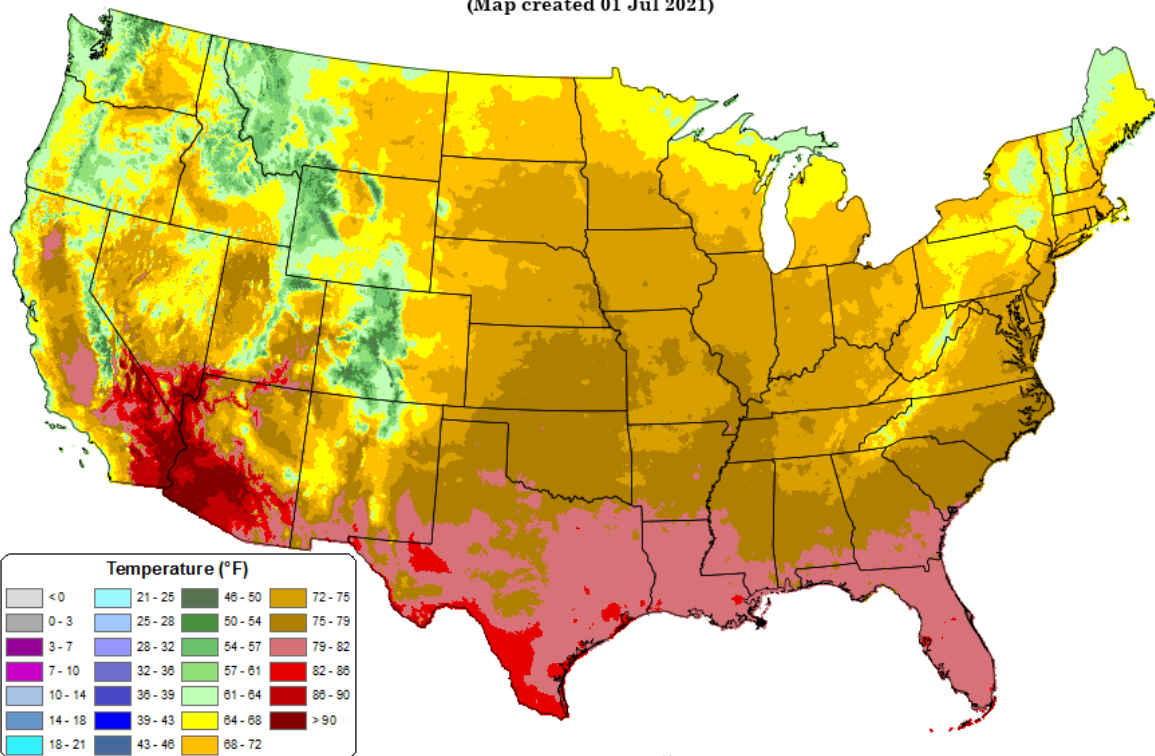
Note: The new 1991-2020 normals are used in this summary.



Actual

Average Daily Mean Temperature: 01 Jun 2021 - 30 Jun 2021

Period ending 7 AM EST 30 Jun 2021
(Map created 01 Jul 2021)

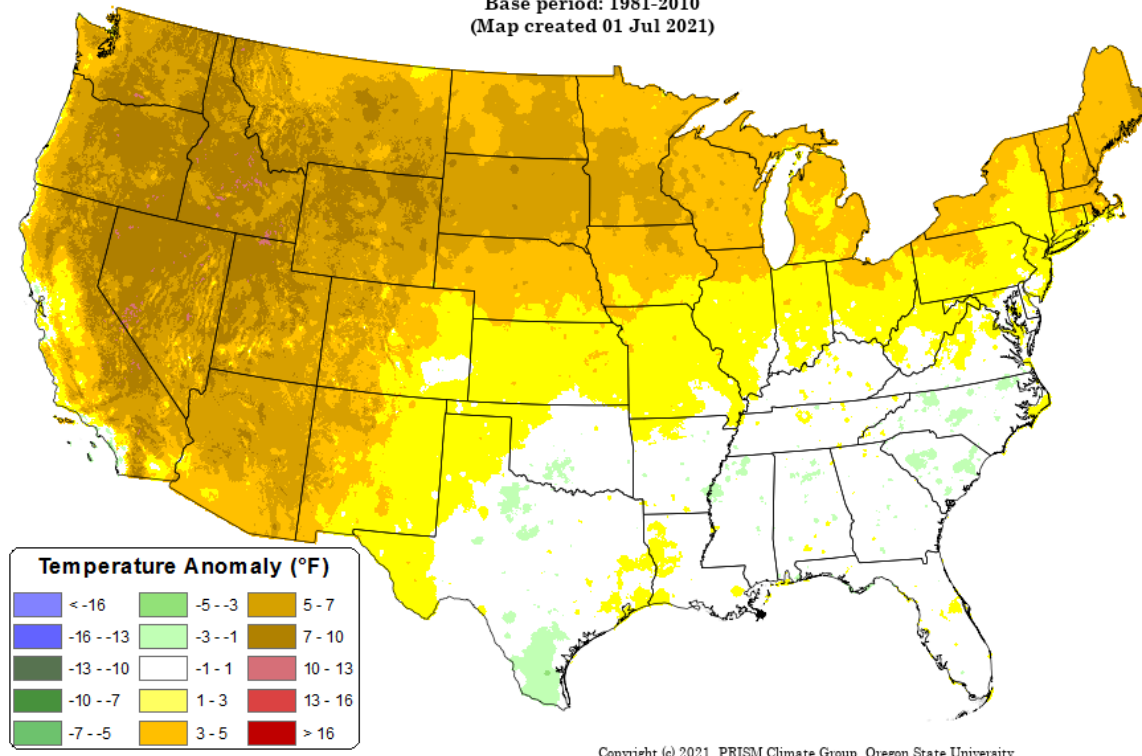


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Anomaly

Daily Mean Temperature Anomaly: 01 Jun 2021 - 30 Jun 2021

Period ending 7 AM EST 30 Jun 2021
Base period: 1981-2010
(Map created 01 Jul 2021)



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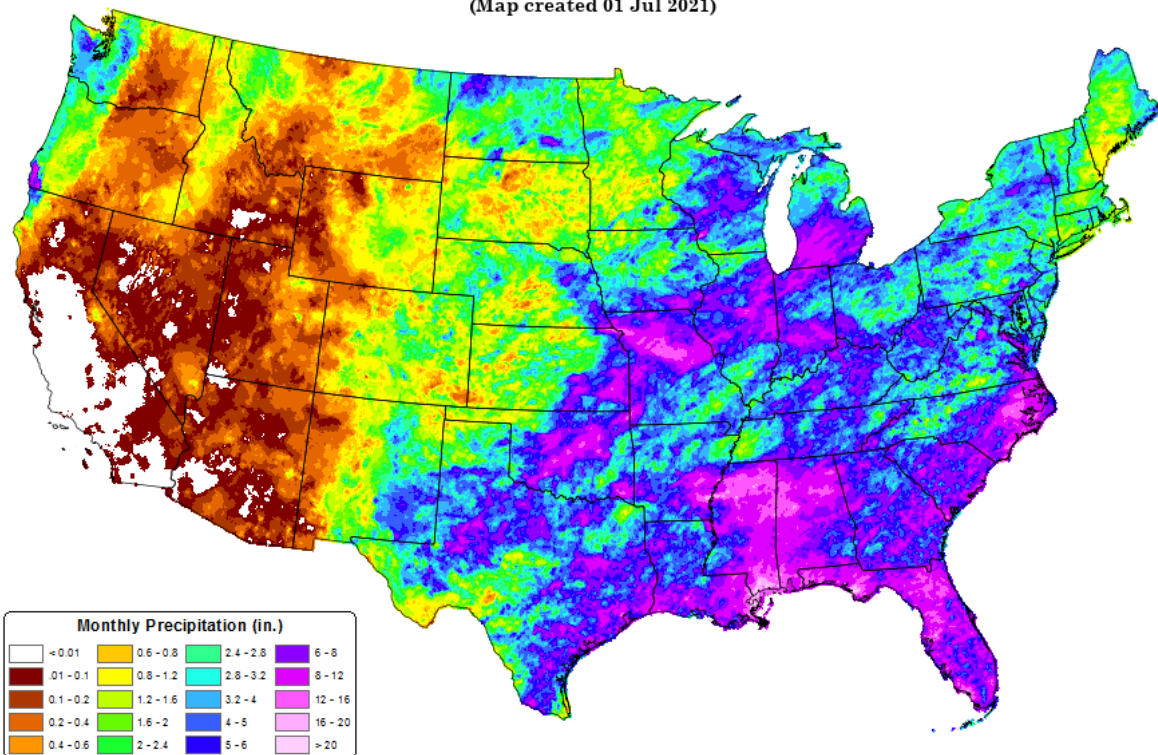
Temperatures were above normal everywhere, but especially in the western half of New Mexico.



Actual

Total Precipitation: 01 Jun 2021 - 30 Jun 2021

Period ending 7 AM EST 30 Jun 2021
(Map created 01 Jul 2021)

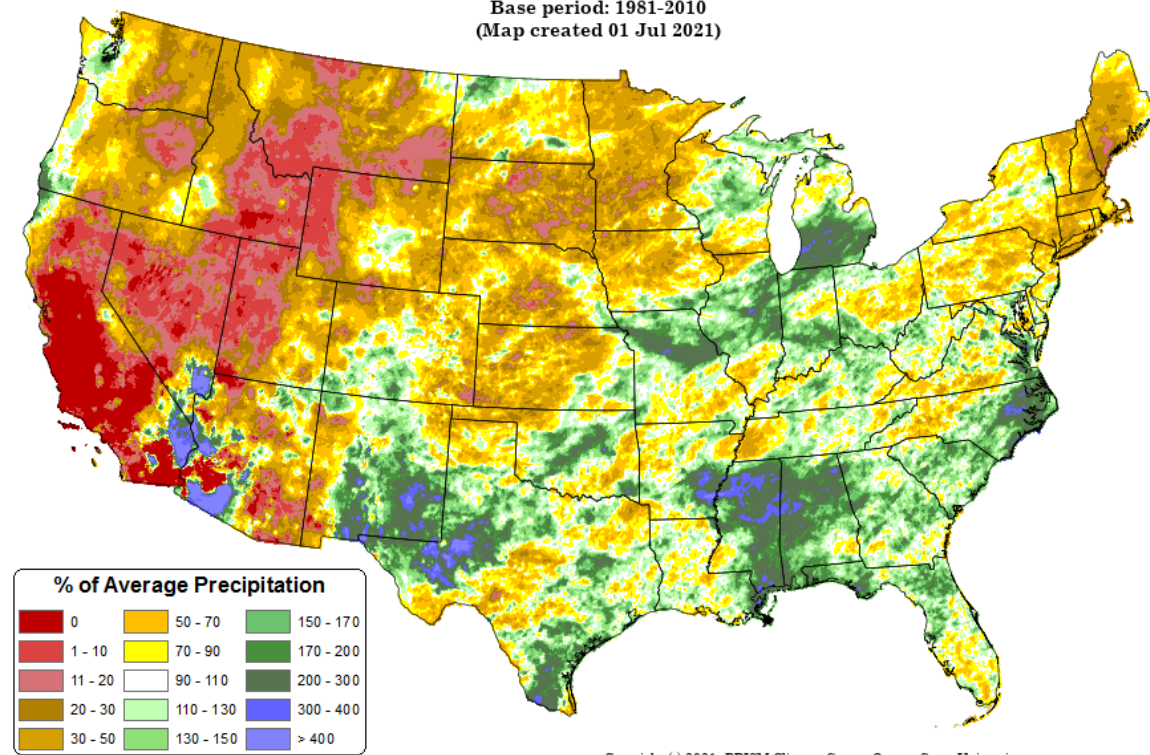


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Anomaly

Total Precipitation Anomaly: 01 Jun 2021 - 30 Jun 2021

Period ending 7 AM EST 30 Jun 2021
Base period: 1981-2010
(Map created 01 Jul 2021)



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Precipitation ranged from below normal in the far northeast and far west, to way above normal in portions of southern New Mexico – especially in the southeast where precipitation was 300 to 400 percent of normal!

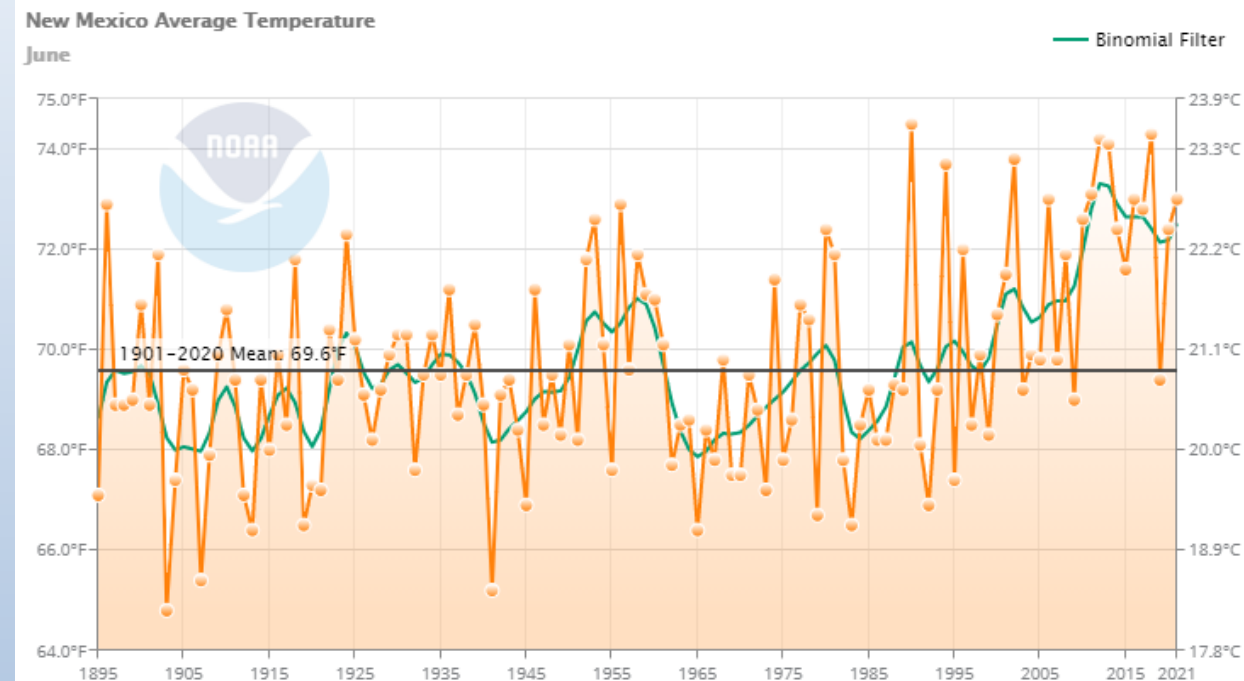
June 2021 Climate Summary

Statewide Temperature & Precipitation Trends

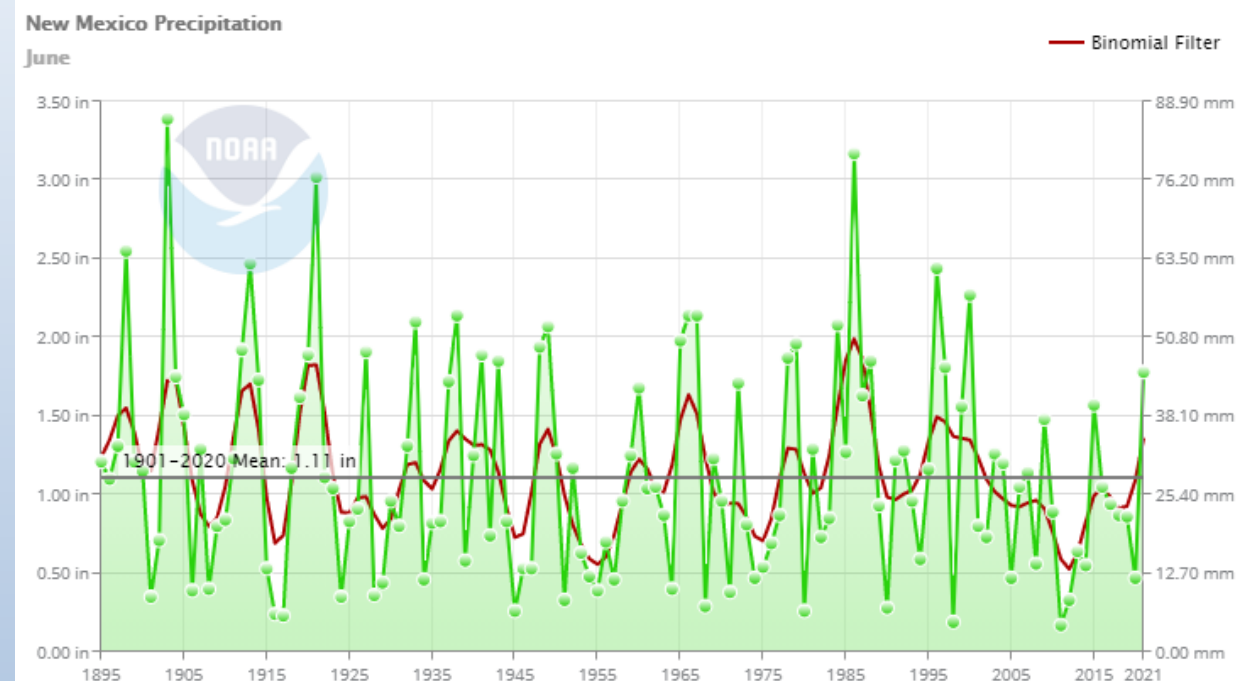
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Albuquerque, NM
Issued January 9, 2022 2:23 PM MDT



Temperature



Precipitation



The average statewide temperature was 73.0°, which was 3.4° above the long-term normal of 69.6° (1901-2020). This ranks as a tie for the 8th warmest June on record.

The average statewide precipitation was 1.78", which was 0.67" above the long-term normal of 1.11" (1901-2020). This ranks as the 25th wettest June on record.

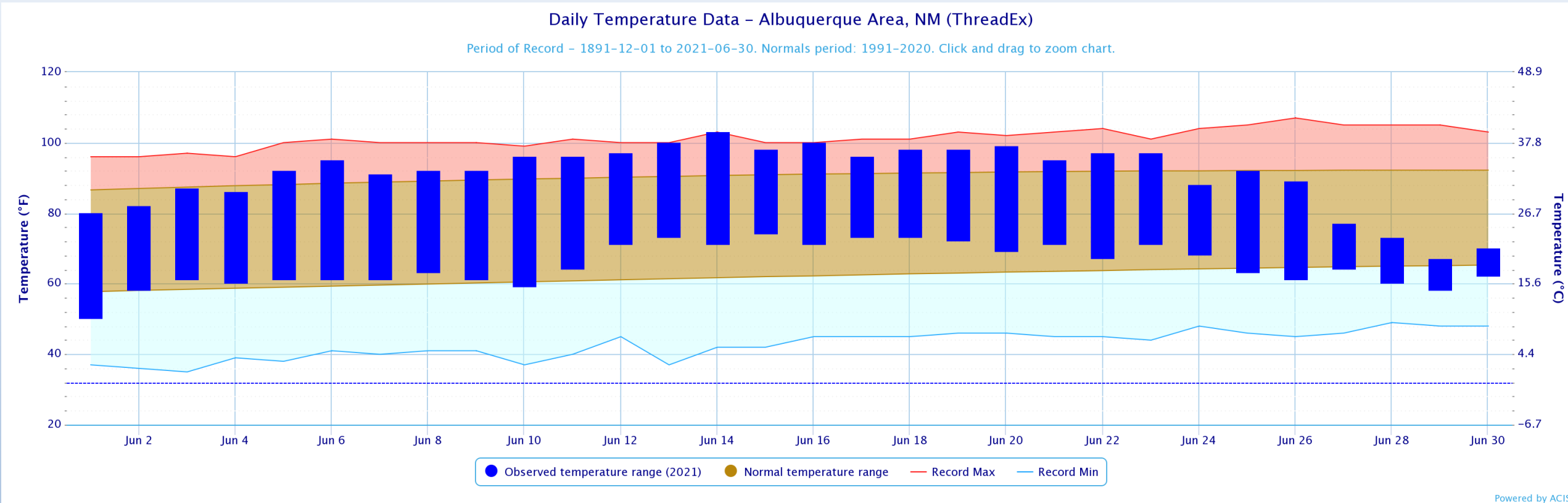
June 2021 Climate Summary

Albuquerque Sunport Temperatures

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(New 1991-2020 normals) Average Temperature: 77.9°



The average June temperature for Albuquerque was 77.9°, which was 1.8° above the normal of 76.1°. The average maximum temperature for the month was 90.8°. This was 0.4° above the normal average maximum temperature of 90.4°. The average minimum temperature for the month was 65.0°. This was 3.1° above the normal average minimum temperature of 61.9°. June 2021 was tied for the 14th warmest June on record.

June 2021 Climate Summary

Albuquerque Sunport Precipitation

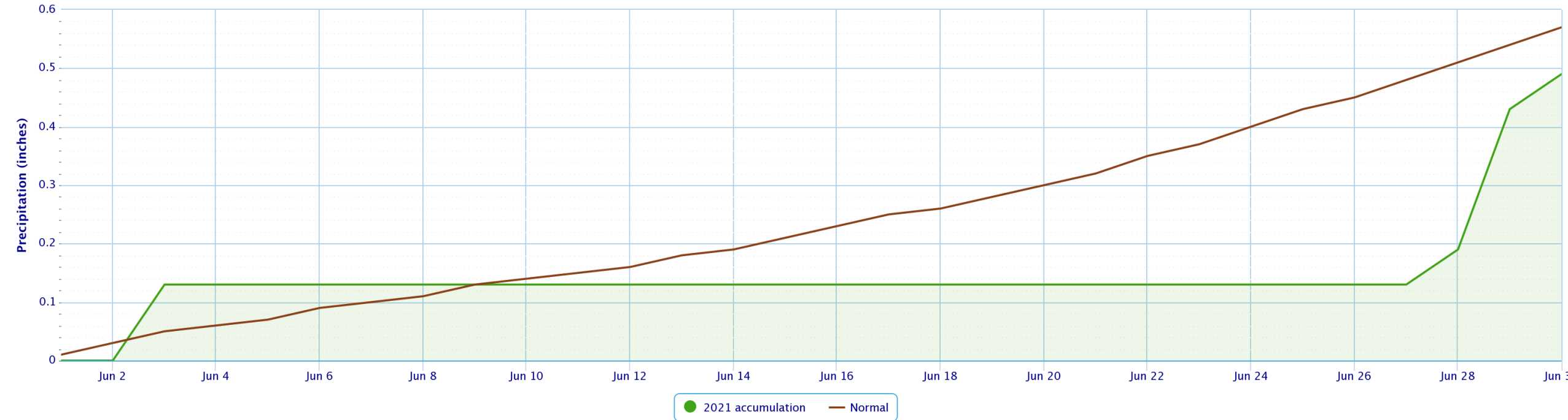
Weather Forecast Office
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(New 1991-2020 normals) Total Precipitation: 0.49"

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 0.49" of precipitation measured at the Sunport, compared to the normal of 0.57", or 0.08" below normal. This was the 76th driest June on record (1892-2021).

June 2021 Climate Summary

Clayton Temperatures

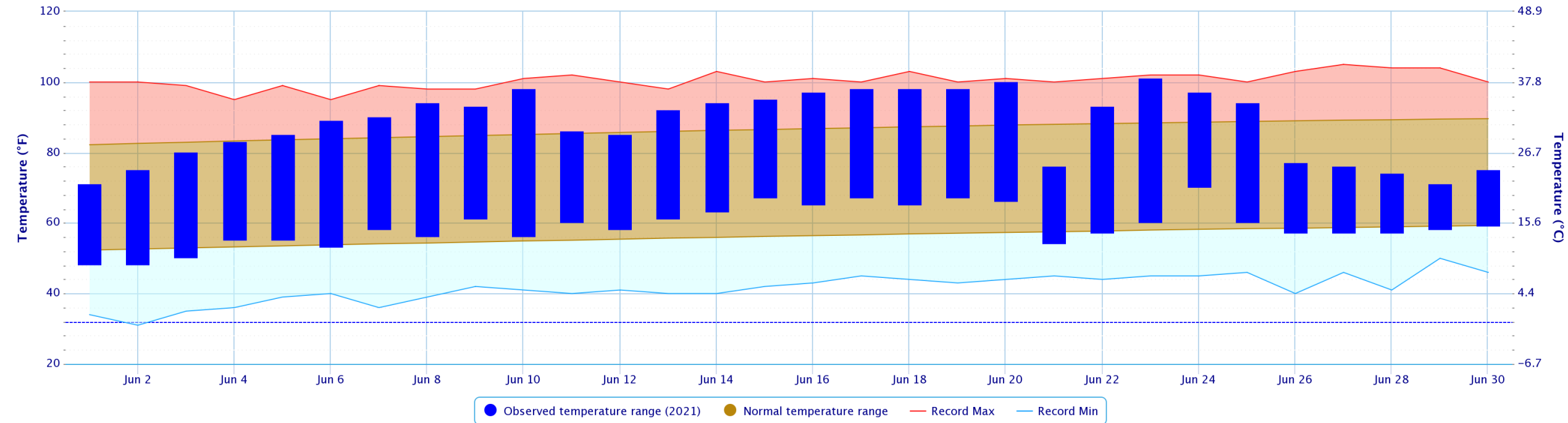
Weather Forecast Office
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(New 1991-2020 normals) Average Temperature: 73.4°

Daily Temperature Data - Clayton Area, NM (ThreadEx)

Period of Record - 1896-02-01 to 2021-06-30. Normals period: 1991-2020. Click and drag to zoom chart.



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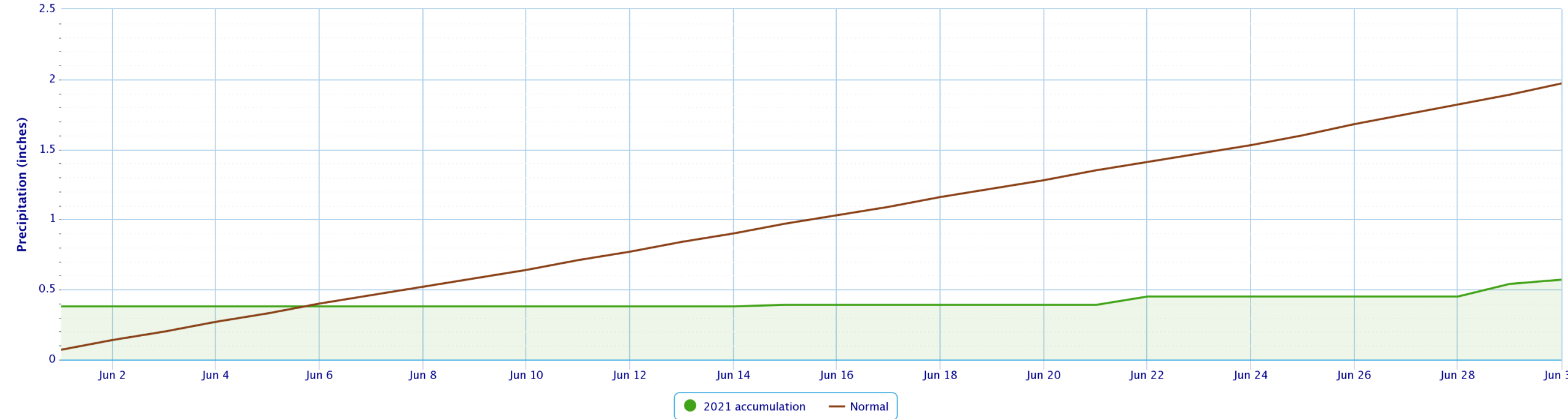
The average June temperature for Clayton was 73.4°, which was 2.2° above the normal of 71.2°. The average maximum temperature for the month was 87.8°. This was 1.4° above the normal average maximum temperature of 86.4°. The average minimum temperature for the month was 58.9°. This was 2.8° above the normal average minimum temperature of 56.1°. June 2021 was the 17th warmest June on record.



(New 1991-2020 normals) Total Precipitation 0.57"

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 0.57" of precipitation measured at Clayton in June 2021, compared to the normal of 1.97", or 1.40" below normal. This ranks as the 14th driest June on record (1892-2020).

June 2021 Climate Summary

Roswell Temperatures

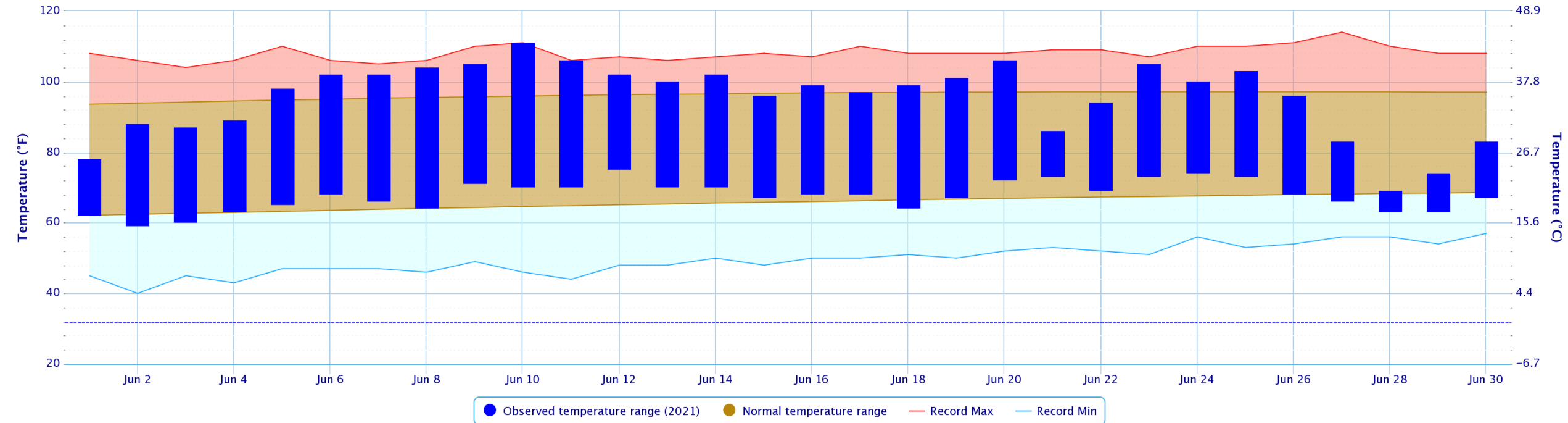
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(New 1991-2020 normals) Average Temperature: 81.6°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2021-06-30; Min temperature: 1893-01-21 to 2021-06-30. Normals period: 1991-2020. Click and drag to zoom chart.



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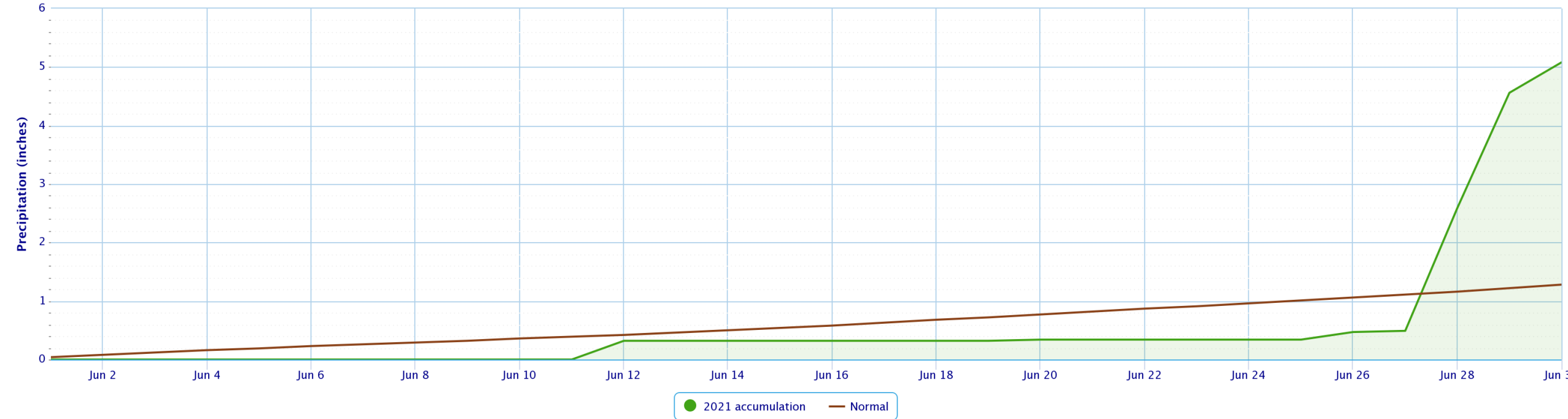
The average June temperature for Roswell was 81.6°, which was 0.6° above the normal of 81.0°. The average maximum temperature for the month was 95.5°. This was 0.7° below the average maximum temperature of 96.2°. The average minimum temperature for the month was 67.6°. This was 1.9° above the normal average minimum temperature of 65.7°. June 2021 the 10th warmest June on record.



(New 1991-2020 normals) Total Precipitation 5.08"

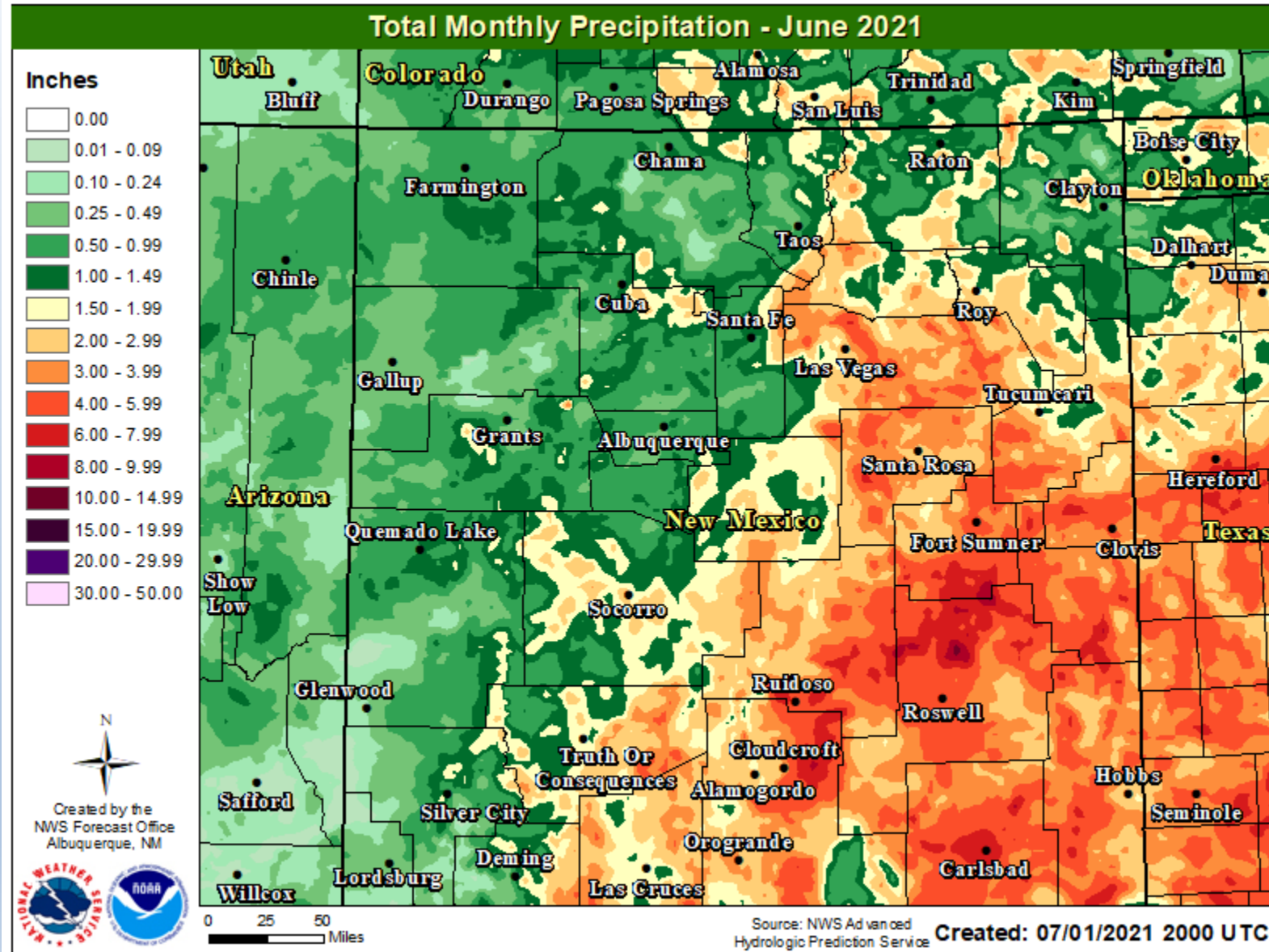
Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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



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There was 5.08" of precipitation measured at Roswell, compared to the normal of 1.28", or 3.80" above normal! This ranks as the 3rd wettest June on record (1892-2020)!



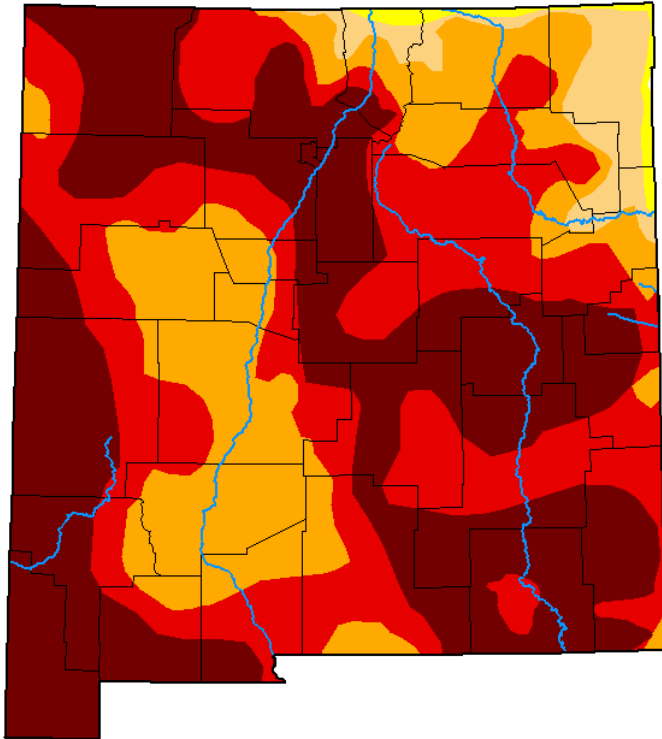
Here is a more detailed image of the June 2021 precipitation.



June 1

June 29

U.S. Drought Monitor New Mexico



June 1, 2021

(Released Thursday, Jun. 3, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.01	99.99	99.03	94.76	73.97	40.68
Last Week 05-25-2021	0.01	99.99	99.47	94.88	74.71	46.72
3 Months Ago 03-02-2021	0.00	100.00	100.00	99.91	82.18	54.15
Start of Calendar Year 12-29-2020	0.00	100.00	99.97	99.59	82.26	53.20
Start of Water Year 09-29-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 06-02-2020	32.02	67.98	44.32	23.31	4.53	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>

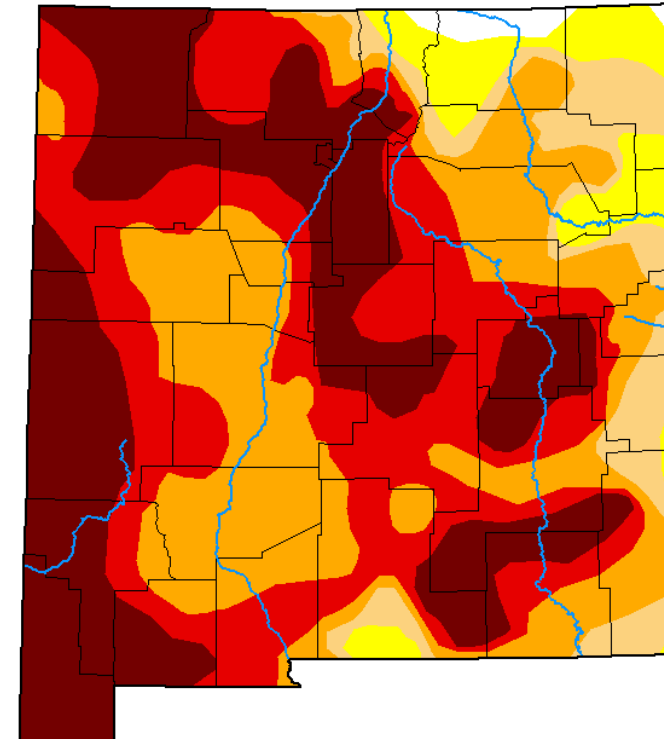
Author:

Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



June 29, 2021

(Released Thursday, Jul. 1, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	1.04	98.96	92.88	84.87	58.80	30.47
Last Week 06-22-2021	1.04	98.96	94.11	87.49	63.06	31.84
3 Months Ago 03-30-2021	0.00	100.00	100.00	99.35	79.88	53.28
Start of Calendar Year 12-29-2020	0.00	100.00	99.97	99.59	82.26	53.20
Start of Water Year 09-29-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 06-30-2020	24.94	75.06	52.71	41.32	11.35	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:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu

There was some improvement to drought conditions during June 2021, mostly in the northeast. Extreme to exceptional drought covers nearly 59% of the state, of which over 30% is exceptional (D4) drought.

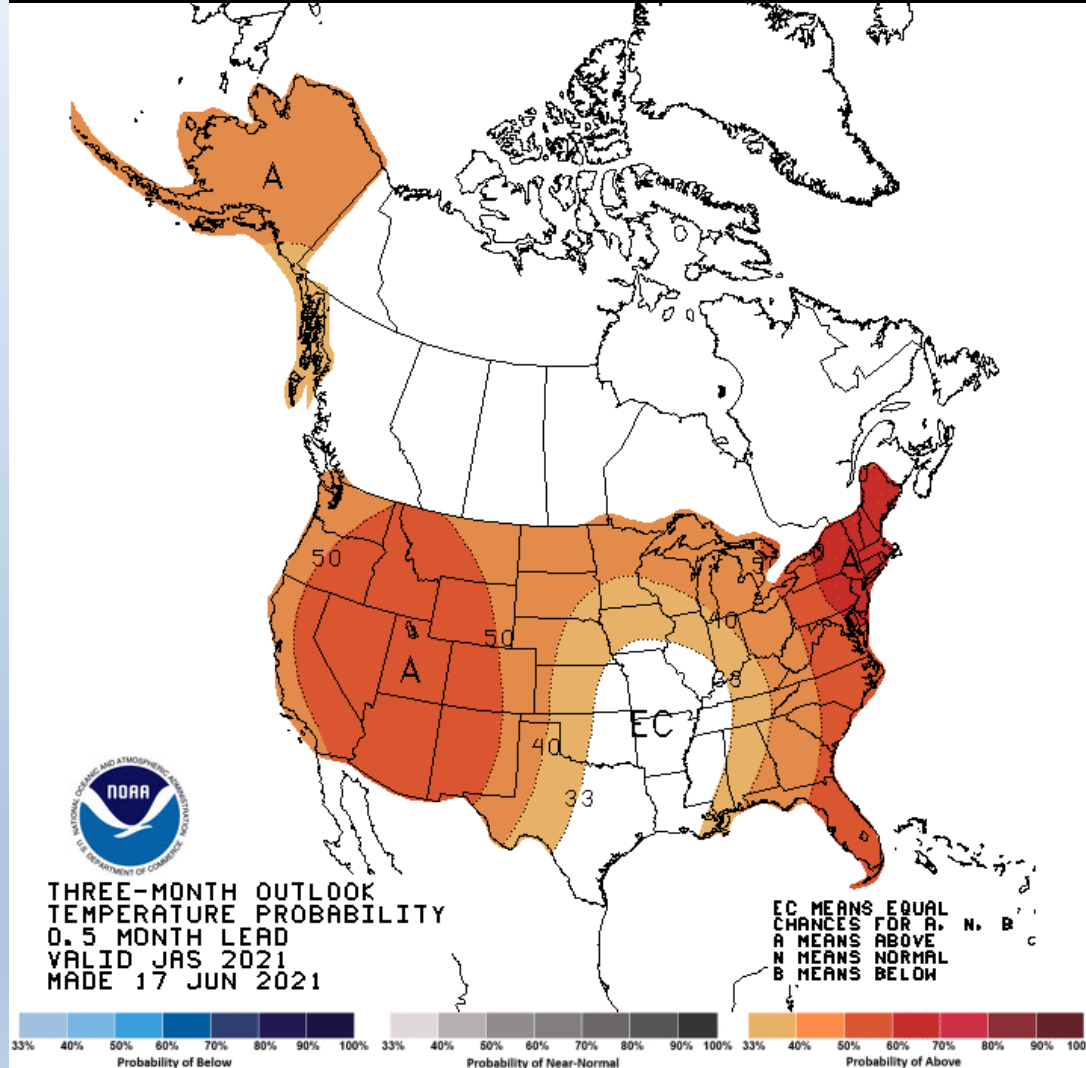
June 2021 Climate Summary

90 Day Temperature & Precipitation Outlook

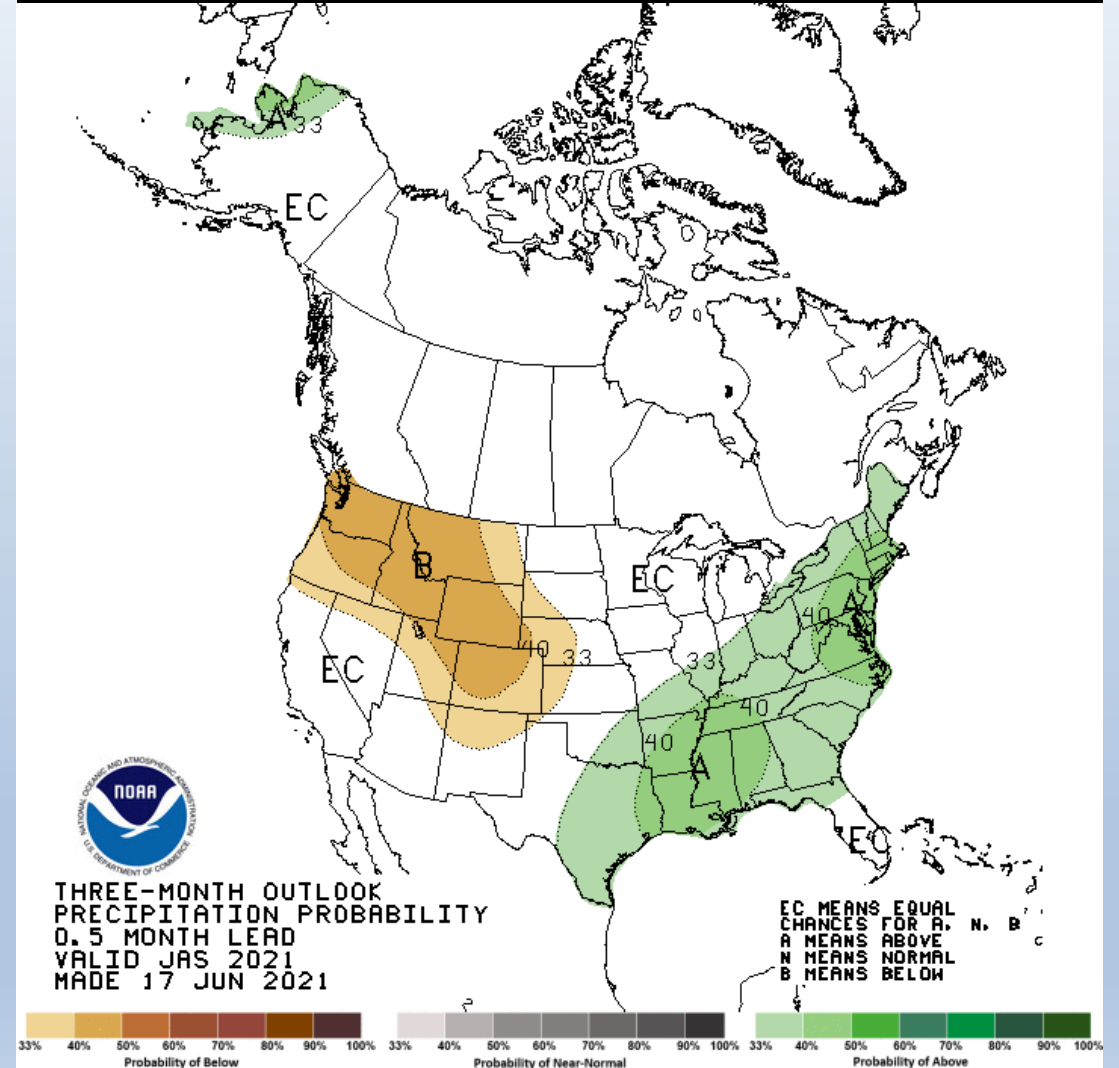
Weather Forecast Office
Albuquerque, NM
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Temperature July-August-September



Precipitation July-August-September



The three month climate outlook from July through September strongly favors above normal temperature probabilities, while precipitation suggests a tendency toward below normal in the north. This would favor at least persistent drought conditions in NM.

June 2021 Climate Summary

Severe Weather*

Weather Forecast Office
Albuquerque, NM
Issued January 9, 2022 2:23 PM MDT










Type	Date	County/Zone Name	Magnitude	Type	Event Narrative
Hail	6/1/2021	Lincoln	0.88"		Nickel size hail along SR-368.
Hail	6/1/2021	Guadalupe	0.88"		Nickel size hail near Vaughn.
Hail	6/1/2021	Guadalupe	1"		Nickel to quarter size hail near Dilia.
Tornado	6/2/2021	Mora			A brief landspout tornado was spotted near Rainsville.
Thunderstorm Wind	6/2/2021	Quay	58 kt	Gust	Outflow produced a 67 mph wind gust at the Tucumcari airport.
Hail	6/12/2021	San Miguel	1.75"		Golf ball size hail near Sapello.
Hail	6/12/2021	San Miguel	1"		Quarter size hail along Interstate 25 near San Antonio.
Hail	6/12/2021	San Miguel	3"		Very large hail of 2 to 3 inches was reported near Las Vegas.
Tornado	6/12/2021	San			A tornado lasted 12 minutes and traveled about 4.5 miles over open country near Las Vegas.
Thunderstorm Wind	6/12/2021	Quay	53 kt	Gust	Tucumcari measured a 61 mph wind gust.
Hail	6/12/2021	Curry	1"		Grady reported quarter size hail.
Thunderstorm Wind	6/12/2021	Quay	56 kt	Gust	Endee measured a 65 mph wind gust.
Thunderstorm Wind	6/12/2021	Roosevelt	50 kt	Gust	Dora measured a 58 mph wind gust.
Thunderstorm Wind	6/12/2021	De Baca	50 kt	Gust	A tree was downed in Fort Sumner.
Thunderstorm Wind	6/15/2021	Santa Fe	50 kt	Gust	Roof and tree damage near Santa Fe from thunderstorm winds.
Thunderstorm Wind	6/19/2021	Torrance	50 kt	Gust	Moriarty measured a 58 mph wind gust.
Thunderstorm Wind	6/20/2021	Torrance	51 kt	Gust	A trained spotter measured a 59 mph wind gust near Abo.
Thunderstorm Wind	6/22/2021	San Miguel	62 kt	Gust	Las Vegas measured a 71 mph wind gust.
Thunderstorm Wind	6/24/2021	Torrance	54 kt	Gust	Clines Corners measured a 62 mph wind gust with blowing dust.
Thunderstorm Wind	6/24/2021	San Miguel	62 kt	Gust	Las Vegas measured another peak wind gust of 71 mph.
Hail	6/26/2021	Quay	1"		Quarter size hail accumulated 6-12" around Logan.
Thunderstorm Wind	6/26/2021	Quay	61 kt	Gust	Logan reported estimated 70 mph wind gusts with damage to trees and homes.
Hail	6/26/2021	Quay	0.88"		Nickel size hail was reported in Ragland.
Thunderstorm Wind	6/26/2021	Curry	53 kt	Gust	Cannon AFB measured a peak wind speed of 61 mph.
Thunderstorm Wind	6/26/2021	Curry	53 kt	Gust	Wind gusts of 58 to 61 mph were reported around Clovis.
Thunderstorm Wind	6/23/2021	Quay	54 kt	Gust	Tucumcari measured a 62 mph wind gust.
Thunderstorm Wind	6/24/2021	Santa Fe	51 kt	Gust	Santa Fe measured a 59 mph wind gust with blowing dust.
Thunderstorm Wind	6/24/2021	Torrance	53 kt	Gust	Mountainair measured a 61 mph wind gust.
Thunderstorm Wind	6/25/2021	Quay	54 kt	Gust	Tucumcari measured a 62 mph wind gust.
Thunderstorm Wind	6/26/2021	Roosevelt	61 kt	Gust	High winds downed several power lines in Portales.
Flood	6/28/2021	Chaves			SR-2 was closed from mile marker 6 to 9 near Lake Arthur for several hours.
Flood	6/30/2021	Lincoln			Flash flooding around Picacho resulted in loss of one vehicle.
Flood	6/30/2021	De Baca			SR-20 was closed from mile marker 10 to 13.
Flash Flood	6/30/2021	Lincoln			SR-246 was closed from mile marker 29 to 31 with loss of pavement reported.
Flash Flood	6/30/2021	Lincoln			SR-368 was closed at mile marker 9 due to significant flooding.

*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/>
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