

# June 2024 Climate & Weather Summary

Issued: July 16, 2024

June 2024 started out hot and dry with several days above 100° in many areas. A few wildfires were also impacting the region with strong winds, low humidity, smoke, and hazy skies. Moisture surged into NM by mid month and weather-whiplash struck the region. Severe hail, tornados, damaging winds, torrential rainfall, and flash flooding occurred on several days during the second half of June.



June 14, 2024 | near Crownpoint, NM  
Photo courtesy Danny Charley via X



June 19, 2024 | near Ruidoso, NM  
Photo courtesy Tom Bird



June 19, 2024 | Willard, NM  
Photo courtesy Mike Bischoff



June 29, 2024 | Lomas & Broadway ABQ, NM  
Photo courtesy Marti Reed via X

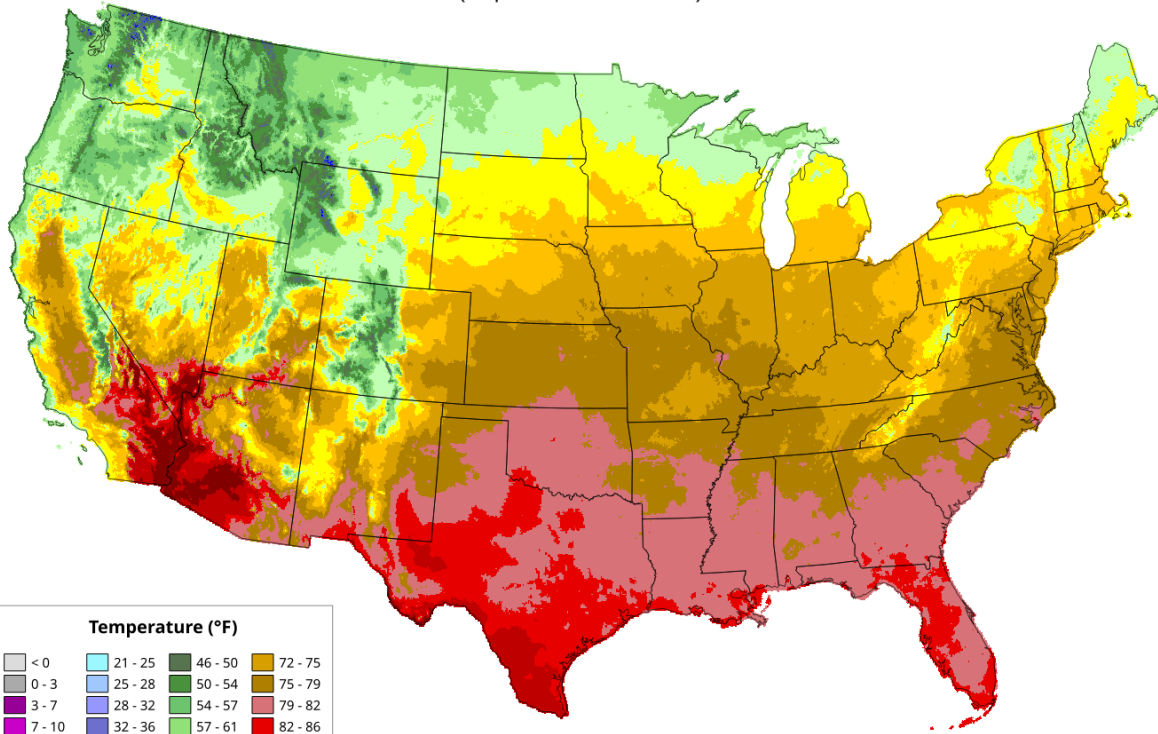


June 21, 2024 | Farmington, NM  
Photo courtesy Caitlun Vecillio via Facebook

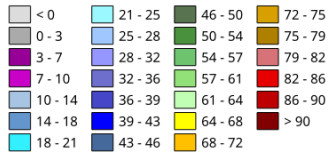
## Actual

### Average Daily Mean Temperature: Jun 2024

Period ending 7 AM EST 30 Jun 2024  
(Map created 11 Jul 2024)



#### Temperature (°F)

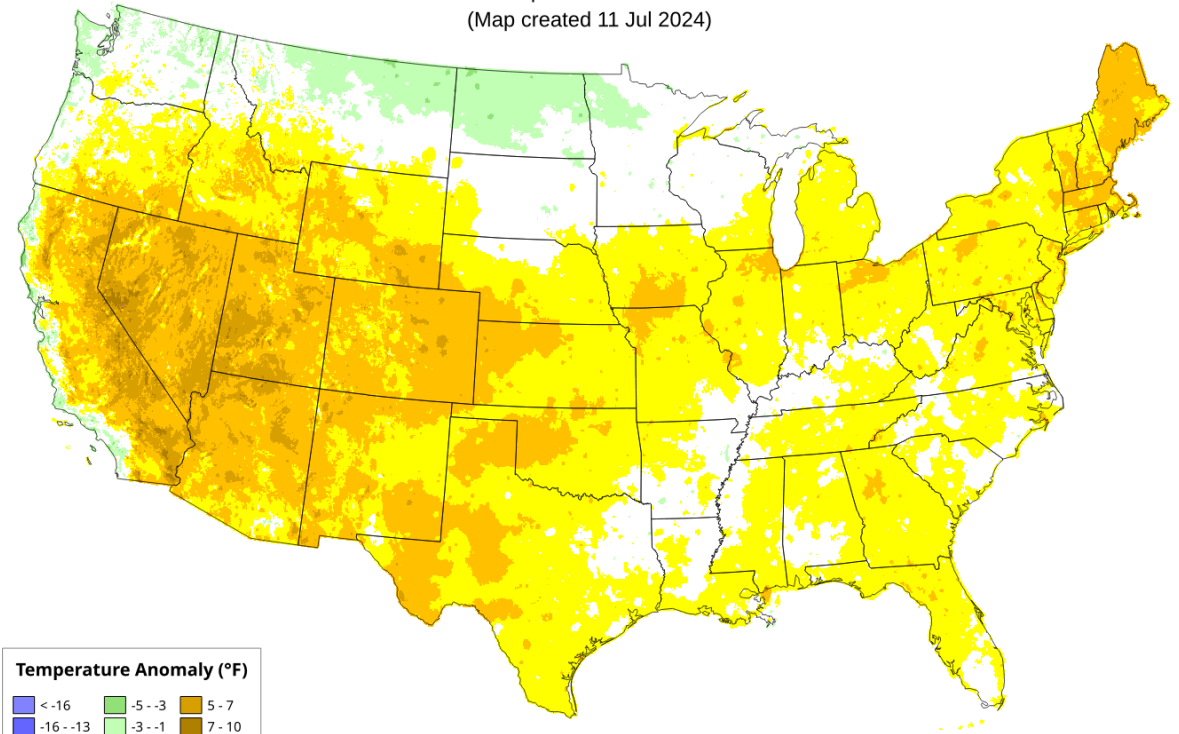


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## Anomaly

### Daily Mean Temperature Anomaly: Jun 2024

Period ending 7 AM EST 30 Jun 2024  
Base period: 1991-2020  
(Map created 11 Jul 2024)



#### Temperature Anomaly (°F)

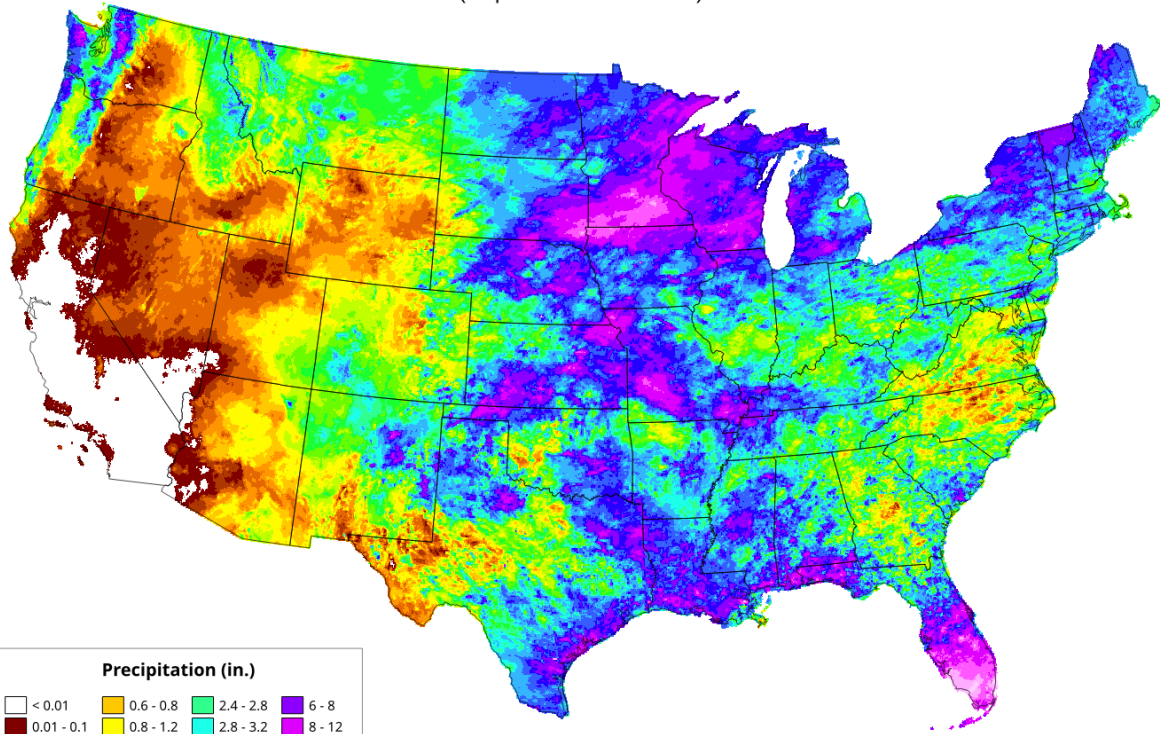


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## Actual

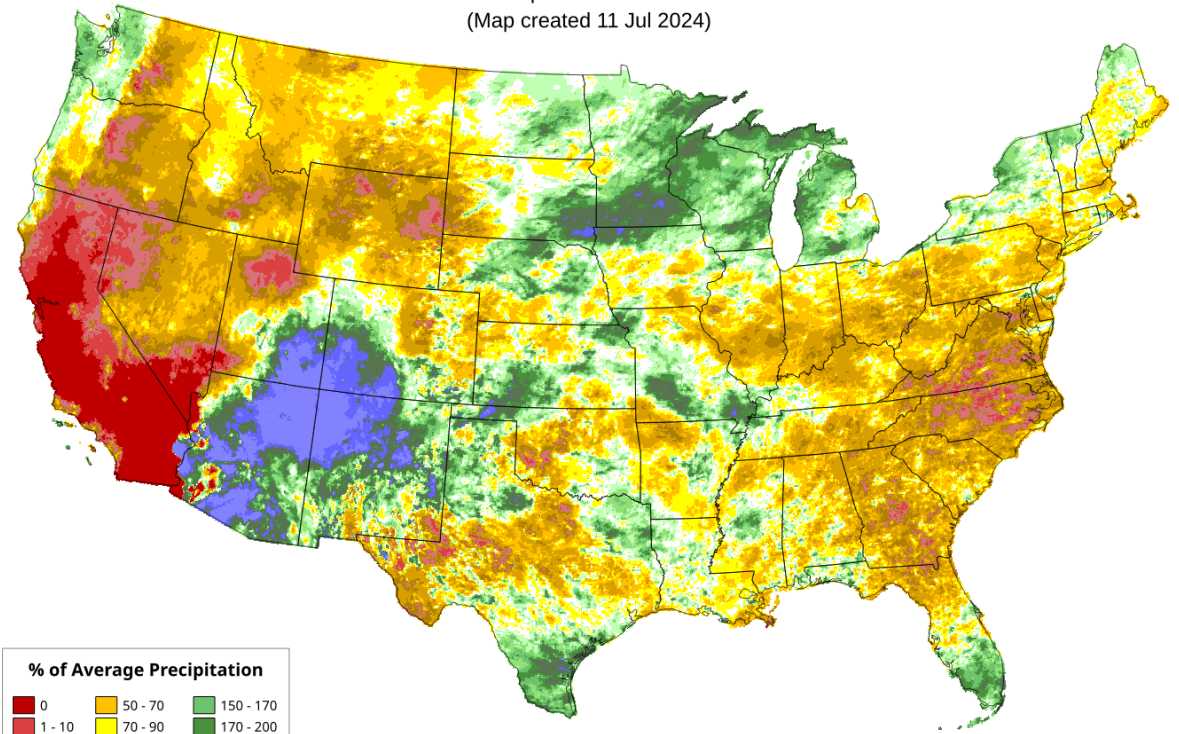
Total Precipitation: Jun 2024  
Period ending 7 AM EST 30 Jun 2024  
(Map created 11 Jul 2024)



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## Anomaly

Total Precipitation Anomaly: Jun 2024  
Period ending 7 AM EST 30 Jun 2024  
Base period: 1991-2020  
(Map created 11 Jul 2024)

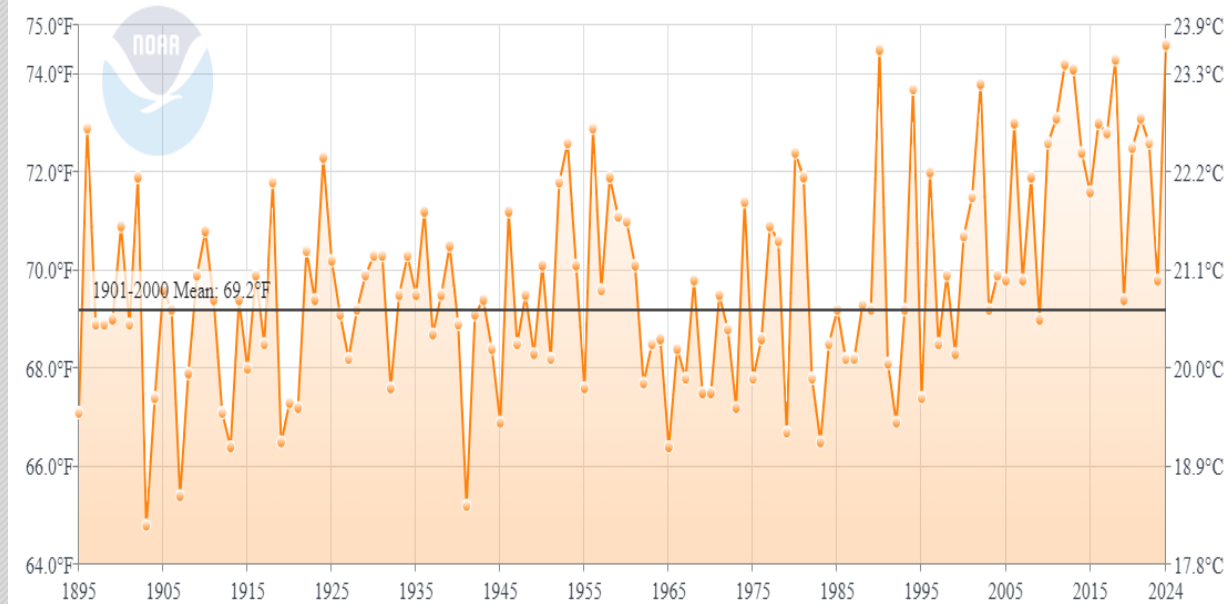


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## Temperature

New Mexico Average Temperature

June

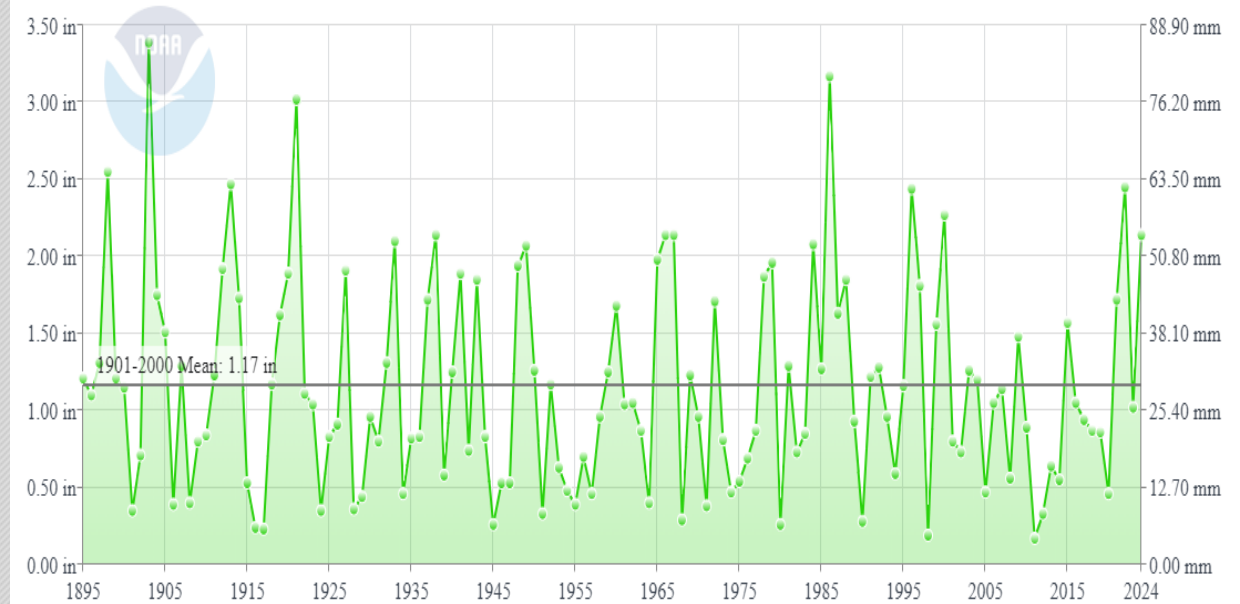


The June 2024 average statewide temperature was 74.6°, which was 5.4° above the long-term normal of 69.2° (1901-2000). This ranked as the **warmest** June on record (1895-2024).

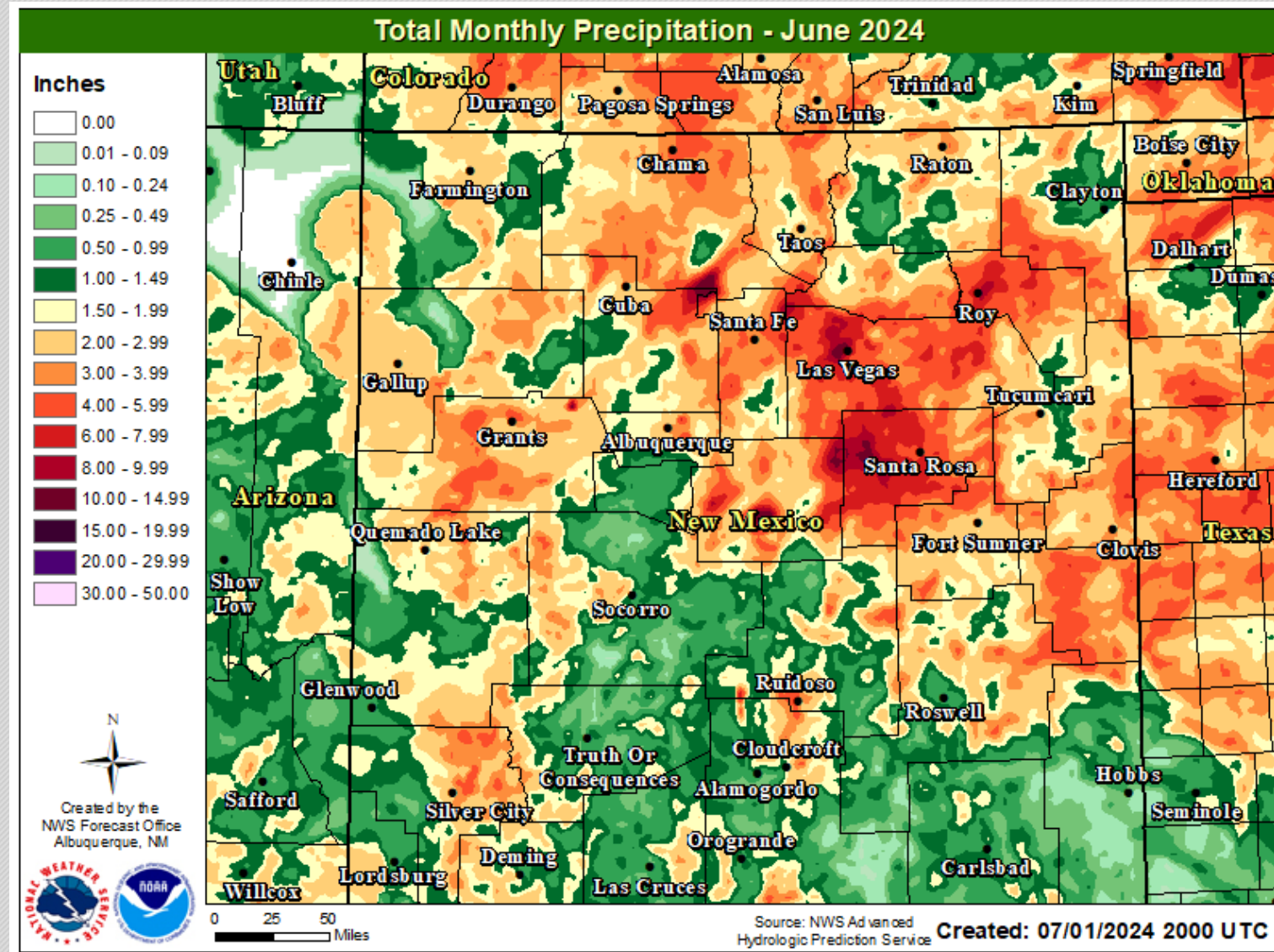
## Precipitation

New Mexico Precipitation

June

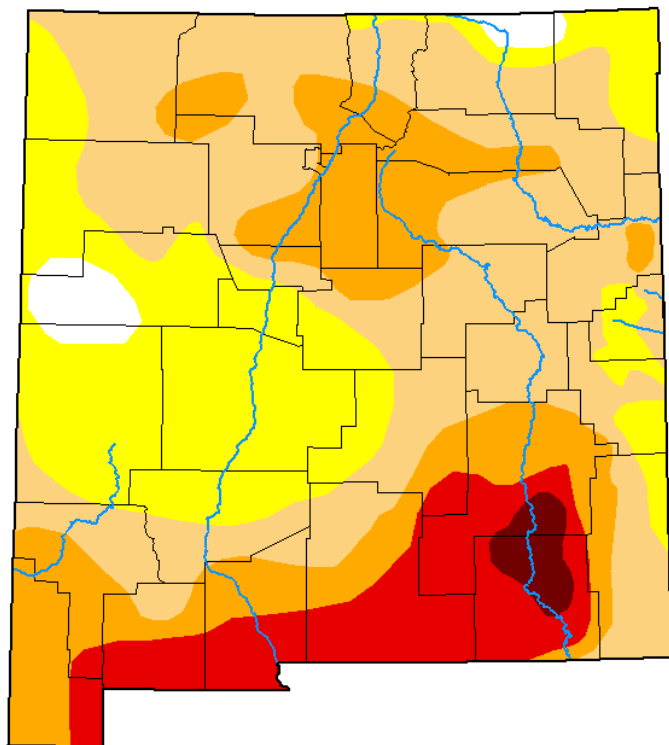


The June 2024 average statewide precipitation was 2.14", which was 0.97" above the long-term normal of 1.17" (1901-2000). This ranked as the **8<sup>th</sup> wettest** June on record (1895-2024).





## U.S. Drought Monitor New Mexico



**June 4, 2024**

(Released Thursday, Jun. 6, 2024)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	2.40	97.60	72.41	33.09	12.47	1.53
<b>Last Week</b> 05-28-2024	2.40	97.60	73.37	33.09	12.47	1.53
<b>3 Months Ago</b> 03-05-2024	2.81	97.19	88.19	47.28	19.28	3.51
<b>Start of Calendar Year</b> 01-02-2024	0.71	99.29	94.04	79.22	38.39	6.48
<b>Start of Water Year</b> 09-26-2023	0.00	100.00	96.87	67.52	32.31	6.85
<b>One Year Ago</b> 06-06-2023	51.96	48.04	28.16	10.62	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>

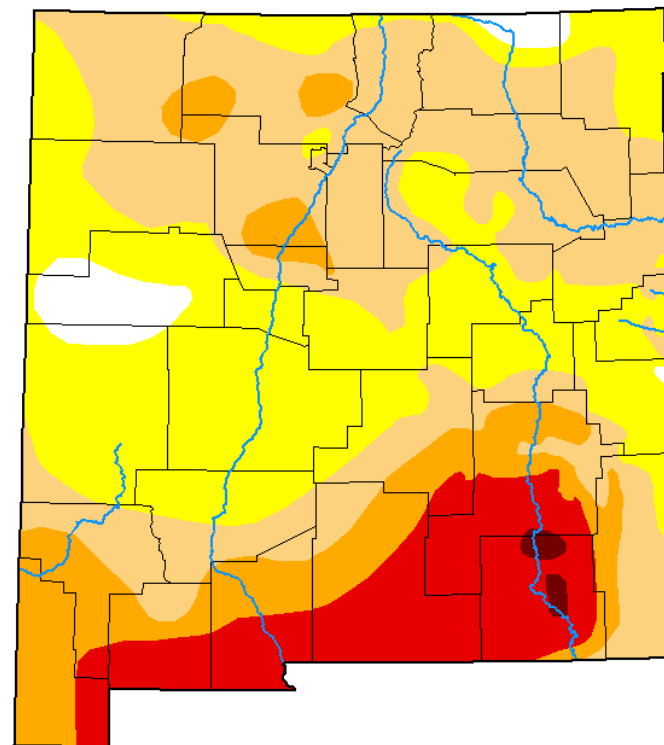
Author:

Brad Pugh  
CPC/NOAA



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

## U.S. Drought Monitor New Mexico



**June 25, 2024**

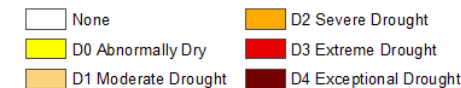
(Released Thursday, Jun. 27, 2024)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	2.97	97.03	62.97	25.91	12.69	0.43
<b>Last Week</b> 06-18-2024	2.46	97.54	66.01	26.62	12.69	0.43
<b>3 Months Ago</b> 03-26-2024	1.76	98.24	77.63	37.77	16.72	3.51
<b>Start of Calendar Year</b> 01-02-2024	0.71	99.29	94.04	79.22	38.39	6.48
<b>Start of Water Year</b> 09-26-2023	0.00	100.00	96.87	67.52	32.31	6.85
<b>One Year Ago</b> 06-27-2023	55.92	44.08	18.89	6.93	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:

Adam Hartman  
NOAA/NWS/NCEP/CPC



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

Drought conditions in June improved for parts of northern and eastern NM. The southern deserts and southeast plains are still experiencing extreme drought.

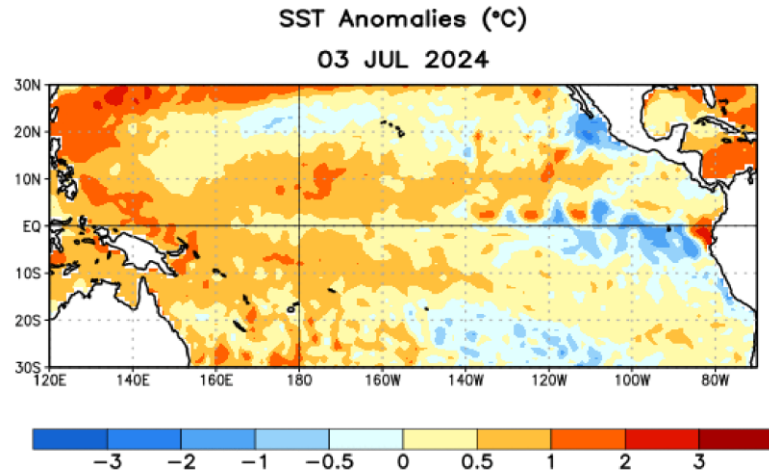


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 3 July 2024. Anomalies are computed with respect to the 1991-2020 base period weekly means.

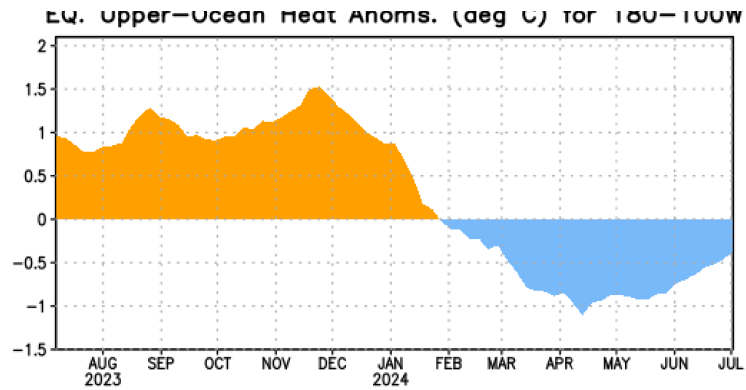


Figure 3. Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

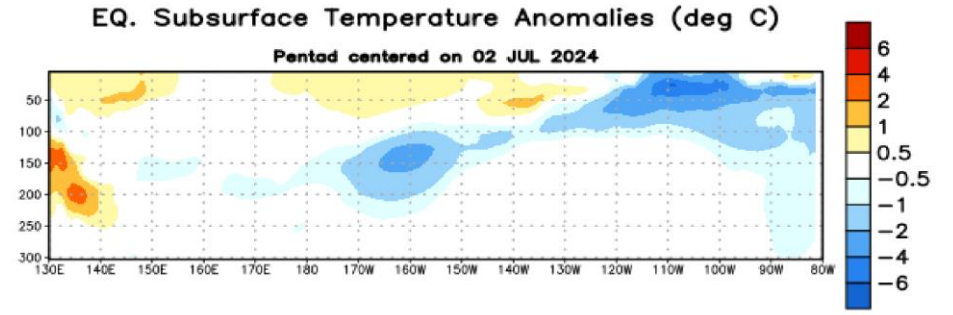


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies (°C) centered on the pentad of 2 July 2024. Anomalies are departures from the 1991-2020 base period pentad means.

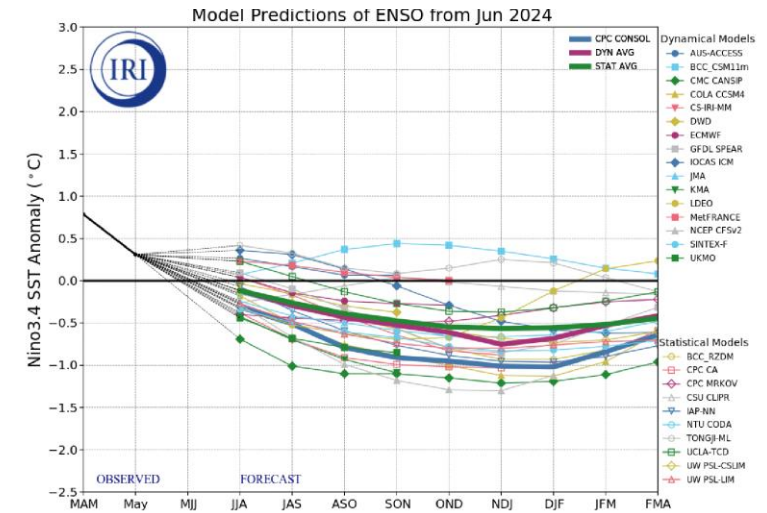
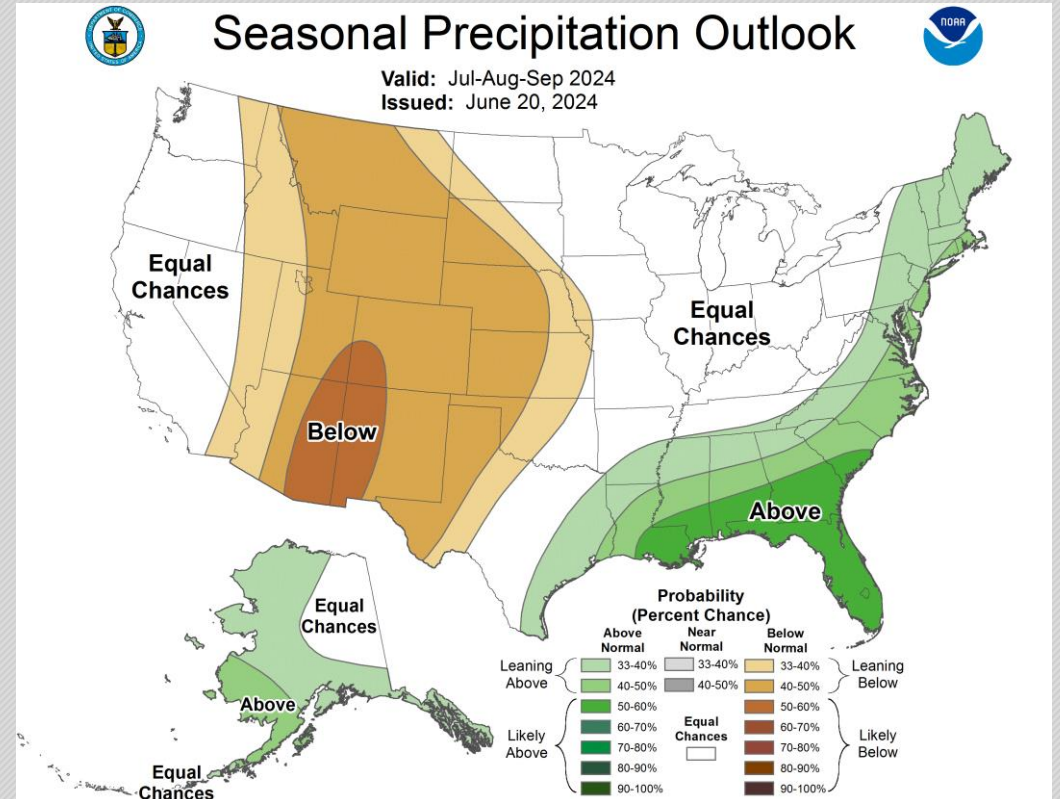
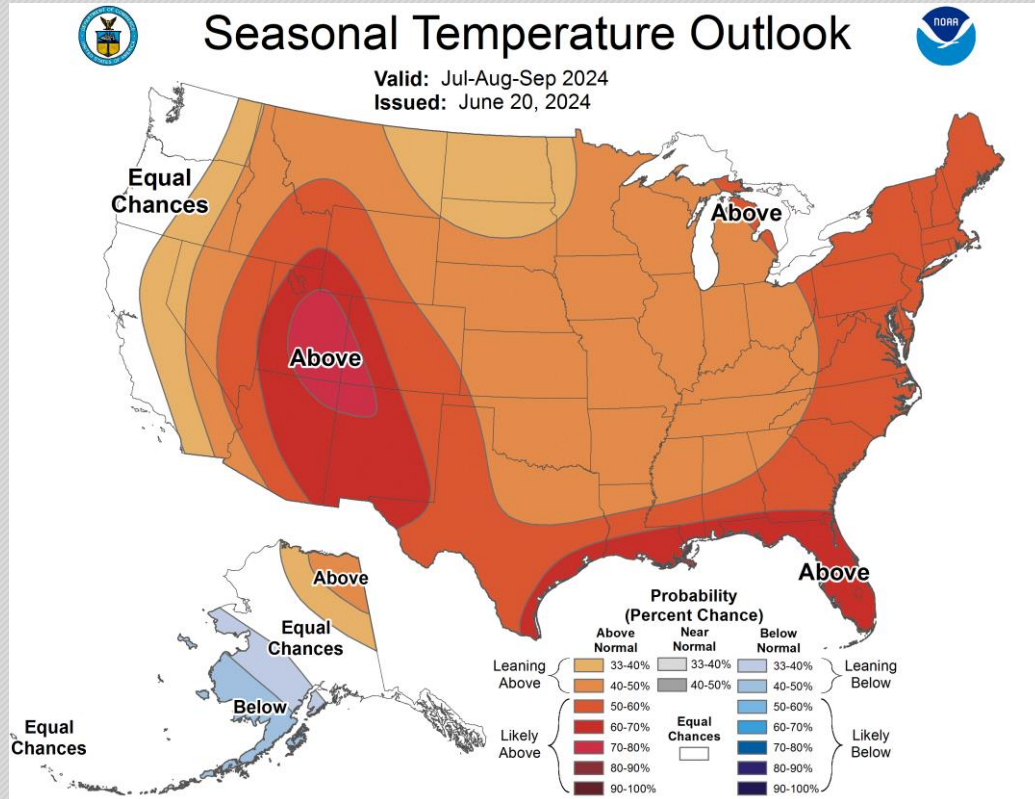


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 20 June 2024 by the International Research Institute (IRI) for Climate and Society.

Temperature  
July-August-September

Precipitation  
July-August-September



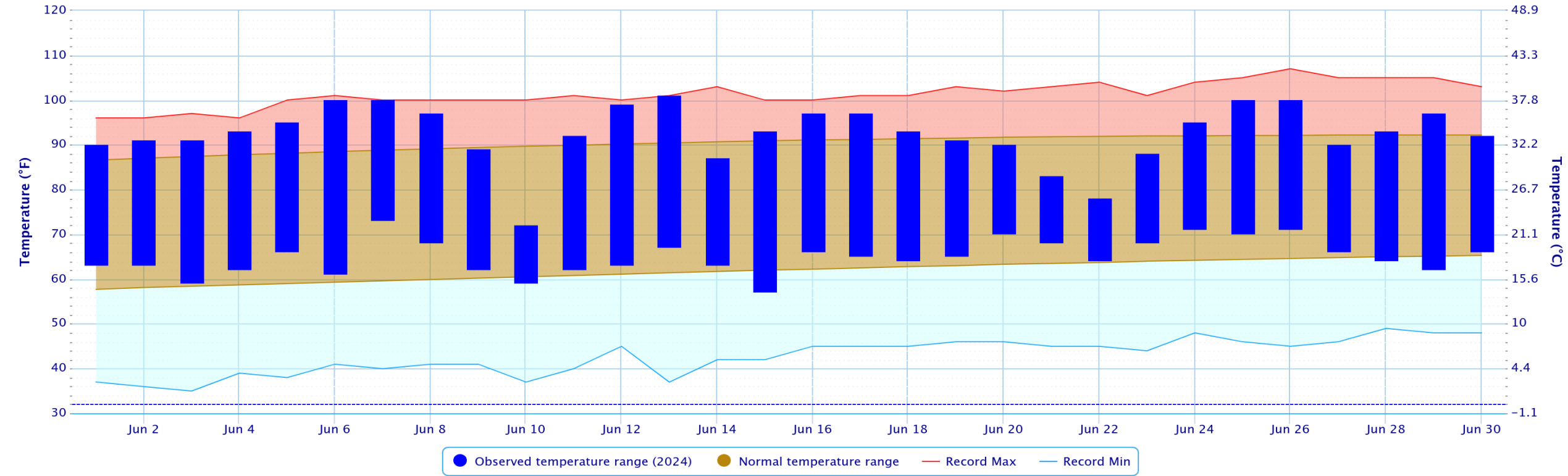
There are greater chances for above normal temperatures and below precipitation for most of New Mexico through the end of summer. Local climate studies indicate there is an alternate scenario that is also possible this summer which differs from the outlook above. For more details see the [2024 Monsoon Outlook](#).



Average Temperature: 78.7°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2024-07-12. Normals period: 1991-2020. Click and drag to zoom chart.

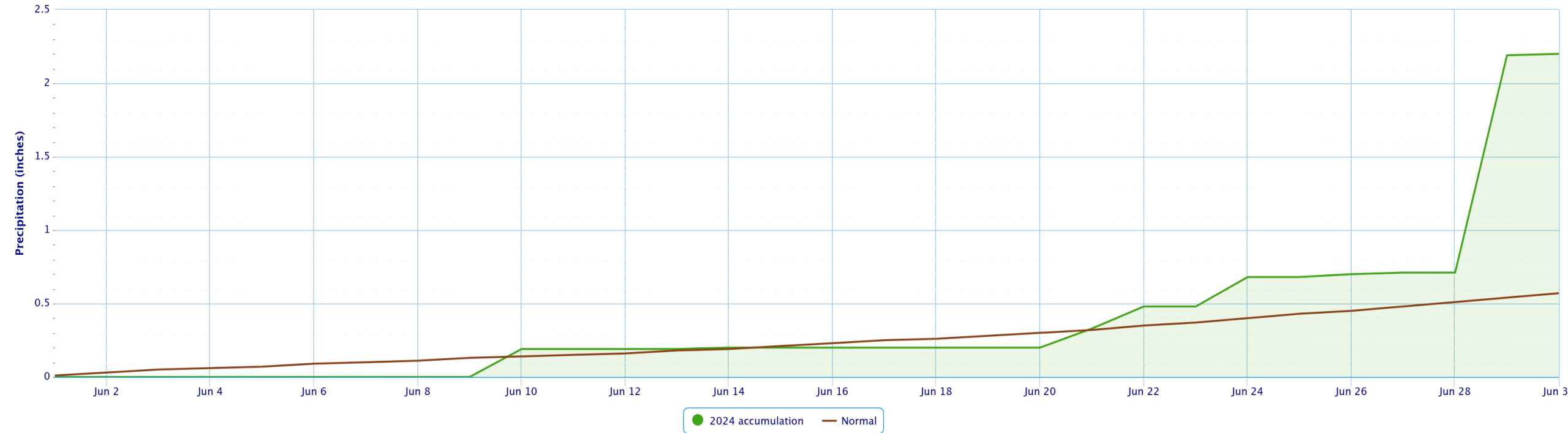


The June 2024 average temperature for Albuquerque was 78.7°, which was 2.6° above the normal of 76.1°. The average maximum temperature for the month was 92.5°. This was 2.1° above the normal average maximum temperature of 90.4°. The average minimum temperature for the month was 64.9°. This was 3.0° above the normal average minimum temperature of 61.9°. This ranked as the 10<sup>th</sup> warmest June on record.

Precipitation: 2.20"

Accumulated Precipitation – ALBUQUERQUE INTL AP, NM

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

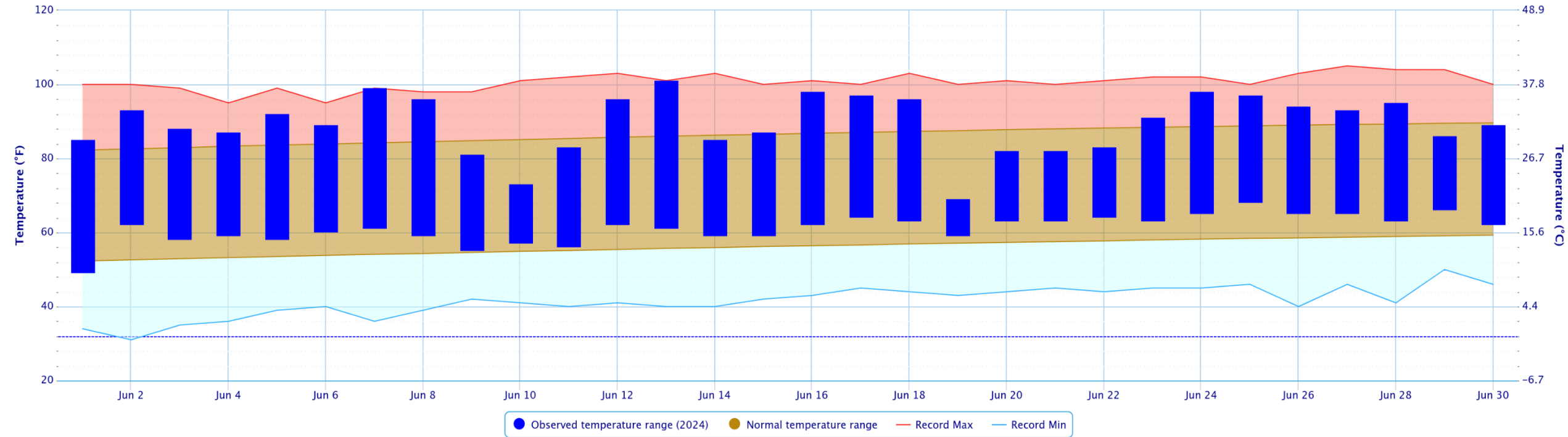


The June 2024 precipitation for Albuquerque was 2.20", which was 1.63" above the normal of 0.57". This ranked as the 7<sup>th</sup> wettest June on record.

Average Temperature: 75.3°

Daily Temperature Data – CLAYTON MUNICIPAL AIR PARK, NM

Period of Record – 1896–02–01 to 2024–07–15. Normals period: 1991–2020. Click and drag to zoom chart.



Powered by ACIS

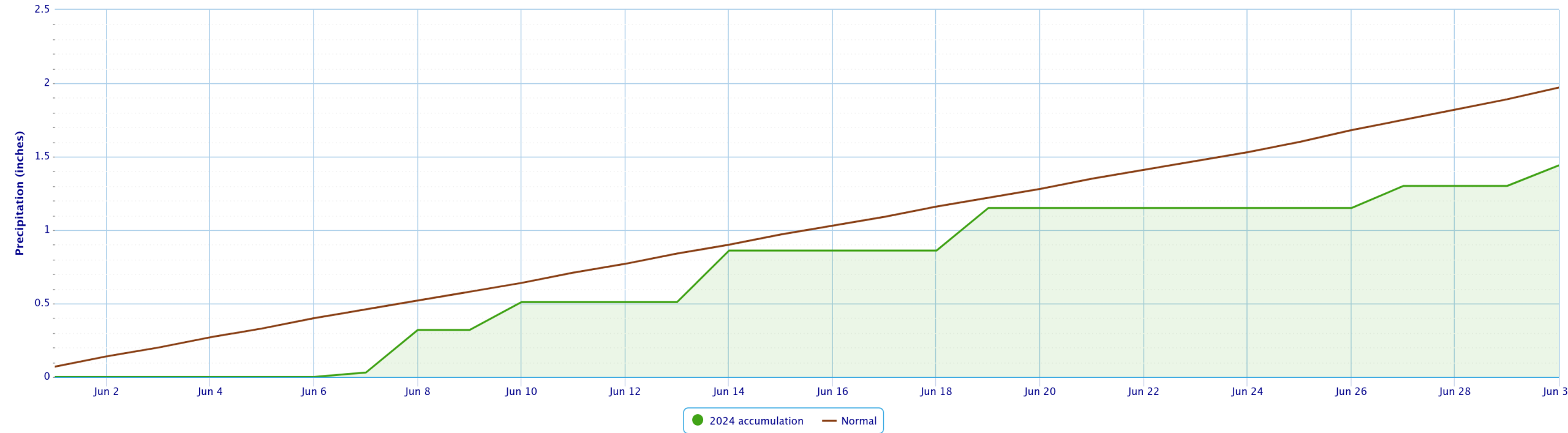
The June 2024 average temperature for Clayton was 75.3°, which was 4.1° above the normal of 71.2°. The average maximum temperature for the month was 89.5°. This was 3.1° above the normal average maximum temperature of 86.4°. The average minimum temperature for the month was 61.0°. This was 4.9° above the normal average minimum temperature of 56.1°. This ranked as the 9<sup>th</sup> warmest June on record.



Precipitation: 1.44"

Accumulated Precipitation – CLAYTON MUNICIPAL AIR PARK, NM

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

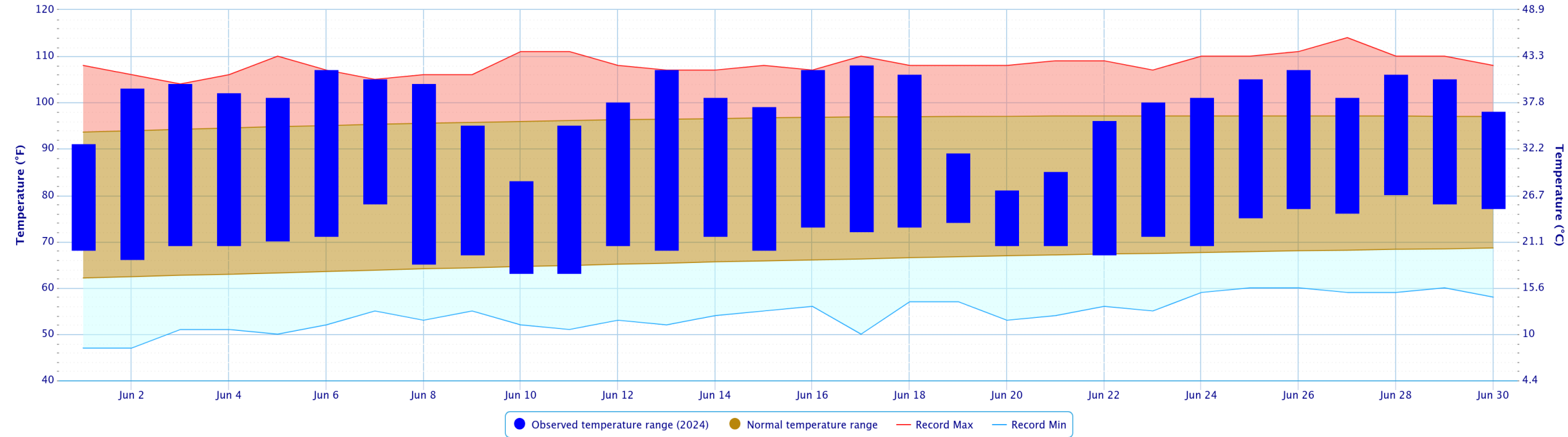


The June 2024 precipitation for Clayton was 1.44", which was 0.53" below the normal of 1.97". This ranked as the 53<sup>rd</sup> driest June on record.

Average Temperature: 85.3°

Daily Temperature Data – ROSWELL INDUSTRIAL AIR PARK, NM

Period of Record – 1946–12–01 to 2024–07–15. Normals period: 1991–2020. Click and drag to zoom chart.

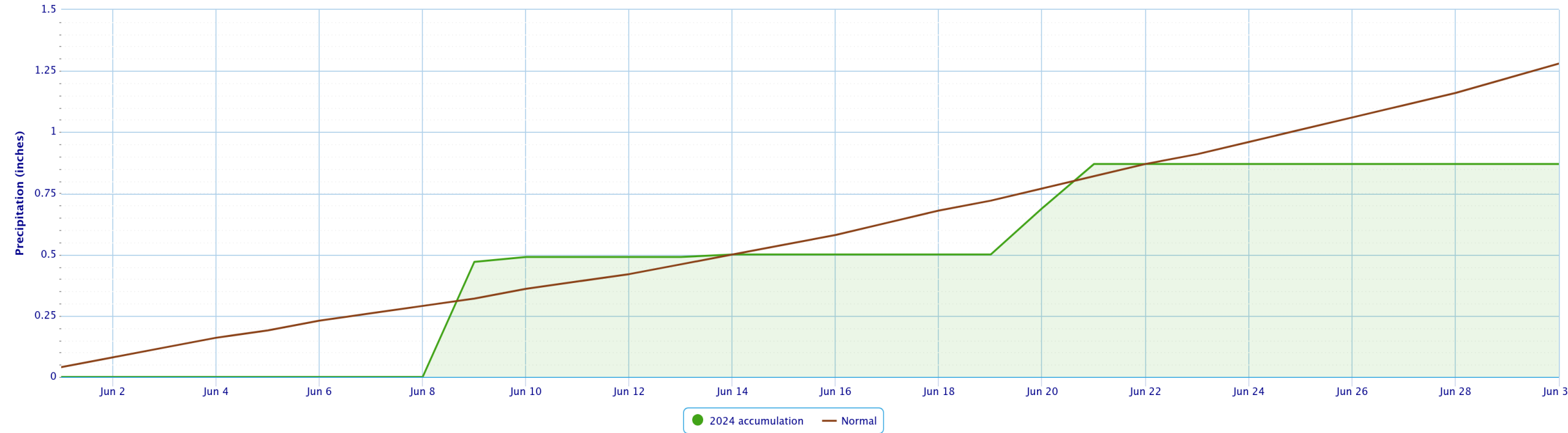


The June 2024 average temperature for Roswell was 85.3°, which was 4.3° above the normal of 81.0°. The average maximum temperature for the month was 99.7°. This was 3.5° above the average maximum temperature of 96.2°. The average minimum temperature for the month was 70.8°. This was 5.1° above the normal average minimum temperature of 65.7°. This ranked as the **warmest** June on record.

Precipitation: 0.87"

## Accumulated Precipitation – ROSWELL INDUSTRIAL AIR PARK, NM

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



The June 2024 precipitation for Roswell was 0.87", which was 0.41" below the normal of 1.28". This ranked as the 58<sup>th</sup> driest June on record.



Event	Date	Area	Magnitude (knots)	Type	Narrative
Thunderstorm Wind	6/1/2024	CHAVES	52	Gust	60 mph at the Dunken RAWS station.
Thunderstorm Wind	6/7/2024	BERNALILLO	53	Gust	The Sunport observed a peak high wind gust of 61 mph.
Thunderstorm Wind	6/7/2024	UNION	55	Gust	The Clayton Municipal Airport observed a high wind gust of 63 mph.
Thunderstorm Wind	6/7/2024	TORRANCE	51	Gust	The Clines Corners ASOS observed a high wind gust of 59 mph.
Thunderstorm Wind	6/7/2024	SOCORRO	54	Gust	The Harry WSMR site observed a high wind gust of 62 mph.
Thunderstorm Wind	6/8/2024	CHAVES	57	Gust	The Roswell Air Center recorded a peak wind gust of 66 mph with blowing dust.
Dust Storm	6/8/2024	CHAVES COUNTY PLAINS			Multiple accidents in southwest Roswell and the Dexter/Hagerman area with very low visibility.
Flash Flood	6/9/2024	BERNALILLO			Flash flood in southeast ABQ arroyos. Two rescued and one fatality occurred.
Hail	6/9/2024	CURRY	0.88"		Pleasant Hill reported nickel size hail.
Wildfire	6/1-6/5/2024	SOUTH CENTRAL MOUNTAINS			The Blue 2 Fire grew to 7,532 acres around Ruidoso.
Wildfire	6/1-6/4/2024	JEMEZ MOUNTAINS			Indios wildfire grew to 11,500 acres.
Thunderstorm Wind	6/14/2024	SAN JUAN	53	Gust	The Farmington Airport measured a peak thunderstorm wind gust of 61 mph.
Thunderstorm Wind	6/14/2024	COLFAX	50	Gust	The Raton Airport measured a peak thunderstorm wind gust of 58 mph.
Thunderstorm Wind	6/14/2024	BERNALILLO	52	Gust	The Albuquerque International Sunport measured a peak thunderstorm wind gust of 60 mph.
Thunderstorm Wind	6/14/2024	UNION	61	Gust	A trained spotter relayed an estimated thunderstorm wind gust of 70 mph.
Thunderstorm Wind	6/14/2024	HARDING	50	Gust	A trained storm spotter relayed an estimated thunderstorm wind gust of 58 mph.
Tornado	6/14/2024	MCKINLEY			Landspout tornado near Navajo Service Route 89 and Navajo Service Route 9 in Crownpoint.
Flash Flood	6/14/2024	CURRY			Clovis area.
High Wind	6/17/2024	CHAVES COUNTY PLAINS	50	Gust	The Roswell Airport ASOS measured a peak wind gust of 58 mph.
Dust Storm	6/17/2024	CHAVES COUNTY PLAINS			Roswell relief route.
High Wind	6/17/2024	UNION COUNTY	61	Gust	The Clayton Airport ASOS measured a peak wind gust of 70mph.
Thunderstorm Wind	6/19/2024	GUADALUPE	50	Gust	Shingles blown from roof a few miles east of Santa Rosa.
Thunderstorm Wind	6/19/2024	TORRANCE	52	Gust	A trained spotter a few miles south of Edgewood estimated a 60 mph wind gust.
Hail	6/19/2024	SANTA FE	1.5"		Trained spotters reported quarter to ping pong ball size near Cedar Grove and along Frost Road.
Thunderstorm Wind	6/19/2024	SANTA FE	52	Gust	Power lines down in Edgewood along Interstate 40.
Hail	6/19/2024	SANTA FE	1.25"		Trained spotters in Madrid and Los Cerillos reported dime to half dollar size hail.

\*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	Date	Area	Magnitude (knots)	Type	Narrative
Thunderstorm Wind	6/19/2024	SANTA FE	61	Gust	A mesonet station at La Bajada Hill along Interstate 40 recorded a wind gust of 70 mph.
Thunderstorm Wind	6/19/2024	LOS ALAMOS	58	Gust	A LANL mesonet station 3 miles east southeast of Los Alamos recorded a wind gust of 67 mph.
Hail	6/19/2024	TORRANCE	2"		Hail up to two inch in diameter accumulated to a depth of six inches near Willard.
Thunderstorm Wind	6/19/2024	LOS ALAMOS	51	Gust	A LANL mesonet 5 miles south southwest of Los Alamos recorded a wind gust of 59 mph.
Hail	6/19/2024	LINCOLN	2"		Two inch hail near Alto in Villa Madonna.
Hail	6/19/2024	LINCOLN	1.25"		A trained spotter observed half dollar size hail northeast of Ruidoso.
Wildfire	6/17-6/23/2024	SOUTH CENTRAL MOUNTAINS			The South Fork Fire grew to 15,000 acres and destroyed an estimated 1,400 structures. Two lives were lost.
High Wind	6/19/2024	MIDDLE RIO GRANDE VALLE	50	Gust	The Sunport measured a peak wind speed of 58 mph. Tree damage reported in northeast ABQ.
Flash Flood	6/19/2024	LINCOLN			Heavy rain caused flash flooding within the Blue 2 burn scar upstream of Bonito Lake.
Flash Flood	6/19/2024	LINCOLN			Heavy rain caused flash flooding along Eagle Creek and debris flow over State Highway 532.
Flash Flood	6/19/2024	TORRANCE			Major flash flood near Willard, NM along NM-42.
Flash Flood	6/19/2024	LINCOLN			Gavilan Canyon Road within the McBride burn scar.
Flash Flood	6/19/2024	LINCOLN			Emergency management relayed reports of swift water rescues near Hollywood.
Dust Storm	6/19/2024	MIDDLE RIO GRANDE VALLEY/ALBUQUERQUE METRO AREA			Major dust storm along I-25 led to a pile up with 51 people sent to the hospital.
Thunderstorm Wind	6/19/2024	RIO ARRIBA	51	Gust	A mesonet station 4 miles northwest of Espanola recorded a wind gust of 59 mph.
Debris Flow	6/19/2024	SAN MIGUEL			Water and hail across NM-161 with debris flow making the highway impassable.
Flash Flood	6/19/2024	SAN MIGUEL			Underpass to I-25 Exit 361 flooded with rapidly rushing water.
Hail	6/19/2024	SAN MIGUEL	1"		Quarter size hail within flash flooding over I-25 near and just south of Watrous.
Flash Flood	6/19/2024	TORRANCE			NM 542 just north of the intersection with NM 55 closed due to heavy rains and flooding.
Flash Flood	6/20/2024	SAN MIGUEL			Flash flooding and debris flow within the eastern edge of the HPCC burn scar washed out bridge on CR-A3.
Debris Flow	6/20/2024	SAN MIGUEL			A trained spotter reported debris flow off HPCC coming down the mountain from intense storms.
Flash Flood	6/20/2024	RIO ARRIBA			U.S. Highway 85 at mile markers 200 and 204 requiring debris removal. Homes damaged.
Flash Flood	6/20/2024	RIO ARRIBA			Major flooding rerouted the Rio Chama near Medanales. Flooding along U.S. 285 impacted 40 homes.
Thunderstorm Wind	6/20/2024	MCKINLEY	52	Gust	The Gallup Airport measured a peak thunderstorm wind gust of 60 mph.
Flash Flood	6/21/2024	SAN MIGUEL			Flooding along Tecolote Creek in Mineral Hill stretching to SR-283. Roads closed.
Flash Flood	6/21/2024	SAN MIGUEL			Major flooding around Las Vegas resulted in damage to structures and the water treatment plant.

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Certified data is available three to four months post-event at: <https://www.ncdc.noaa.gov/stormevents/>

Event	Date	Area	Magnitude (knots)	Type	Narrative
Hail	6/21/2024	CIBOLA	1"		Grants area.
Hail	6/21/2024	SAN JUAN	1.75"		Quarter to golf ball size hail reported just southwest of Bloomfield.
Thunderstorm Wind	6/21/2024	SAN JUAN	70	Gust	Power lines down along Old Aztec Highway between Penny Lane and Lake Luther.
Thunderstorm Wind	6/21/2024	SAN JUAN	70	Gust	A member of the public estimated 70 to 80 mph wind gusts.
Thunderstorm Wind	6/21/2024	SAN JUAN	61	Gust	A single wide mobile home was pushed off its blocks with minor damage to the structure.
Thunderstorm Wind	6/21/2024	SAN JUAN	61	Gust	A spotter measured a 65 mph wind gust. Damage occurred to homes, outbuildings, power lines, and power poles.
Flash Flood	6/21/2024	SAN JUAN			Flash flooding across Farmington including the La Plata and San Juan Rivers led to stranded vehicles and damage.
Flash Flood	6/21/2024	CIBOLA			The Rio San Jose was out of its banks between Sargent and Davis Streets. Damage occurred.
Flash Flood	6/21/2024	LINCOLN			Flash flooding off McBride burn scar along NM 48 and Eagle Creek Road and Gavilan Canyon by Meander Drive.
Flash Flood	6/23/2024	LINCOLN			Flash flooding with debris flow along Eagle Creek above Ruidoso.
Flash Flood	6/19/2024	LINCOLN			Flash flooding along Eagle Creek.
Wildfire	6/15-6/24/2024	WEST CENTRAL HIGHLANDS			The Encerrita Wildfire burned a total of 2,499 acres.
Wildfire	6/5-6/15/2024	SOUTHWEST MOUNTAINS			The Antone Wildfire grew to 12,397 managed acres.
Tornado	6/26/2024	CHAVES			Landspout tornados reported near Hagerman destroyed a mobile home.
Thunderstorm Wind	6/26/2024	CHAVES	79	Gust	Significant damage around Hagerman from a peak wind gust of 91mph along with blowing dust.
Lightning	6/26/2024	CHAVES			Lightning struck a tree in the front yard of a residence in Hagerman, NM. Vehicle damaged.
Thunderstorm Wind	6/26/2024	CURRY	55	Gust	The Cannon AFB weather station measured a peak gust of 63 mph.
Thunderstorm Wind	6/26/2024	CIBOLA	51	Gust	A NMDOT mesonet station along I-40 at State Road 6 measured a peak thunderstorm wind gust of 59 mph.
Thunderstorm Wind	6/27/2024	MCKINLEY	55	Gust	The Gallup Airport weather station measured a peak thunderstorm gust of 63mph.
Flash Flood	6/27/2024	CIBOLA			Water flooding over NM 605 north of Milan prompted the closure of the highway.
Flash Flood	6/27/2024	SAN JUAN			Bridge severely damaged along U.S. 64 at the AZ border.
Debris Flow	6/29/2024	LINCOLN			Flash flooding and debris flow reported in Eagle Creek crossing NM Highway 532. Alto Reservoir overtopped.
Debris Flow	6/29/2024	LINCOLN			Extreme flash flooding with debris flows around Ruidoso from heavy rainfall on area burn scars.
Flash Flood	6/29/2024	LINCOLN			Water and debris completely covered Gavilan Canyon Road at the Gavilan Canyon Softball Field.
Thunderstorm Wind	6/29/2024	BERNALILLO	55	Gust	The Albuquerque Sunport measured a peak thunderstorms wind gust of 72mph.
Thunderstorm Wind	6/29/2024	BERNALILLO	52	Gust	A public report of three inch tree limbs broken and power poles down.








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Event	Date	Area	Magnitude (knots)	Type	Narrative
Flash Flood	6/29/2024	TORRANCE			NMDOT reported standing water on NM 542 and NM 55 prompting a road closure.
Flash Flood	6/29/2024	BERNALILLO			Major flash flood in ABQ with swift water rescues, stranded vehicles, significant erosion, and some damage.
Thunderstorm Wind	6/29/2024	SANTA FE	51	Gust	A NMDOT mesonet station along I-25 at La Bajada measured a peak thunderstorm wind gust of 59 mph.
Flash Flood	6/30/2024	SAN MIGUEL			Flash flooding along NM-65 just north and northwest of Las Vegas, NM. There were no reports of damage.
Flash Flood	6/30/2024	SAN MIGUEL			Flash flooding from the HPCC burn scar around NM-283 just west of Las Vegas, NM.
Thunderstorm Wind	6/29/2024	CATRON	50	Gust	Severe winds destroyed two out-buildings, one large wooden barn and one steel metal shop in Quemado, NM.
Debris Flow	6/30/2024	LINCOLN			Extreme flash flooding with debris flows around Ruidoso from heavy rainfall on area burn scars.

\*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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