



Synopsis

May 2022 was much warmer and drier than normal. Temperatures were above to well above normal statewide. Precipitation was non-existent in much of the west and south central areas, and below normal elsewhere except for an above normal area on the east central plains.



Photo courtesy of Lori Grace - Belen microburst



Photo courtesy John Houser - Portales May 10



Photo courtesy of INCIweb - Calf Canyon May 5th



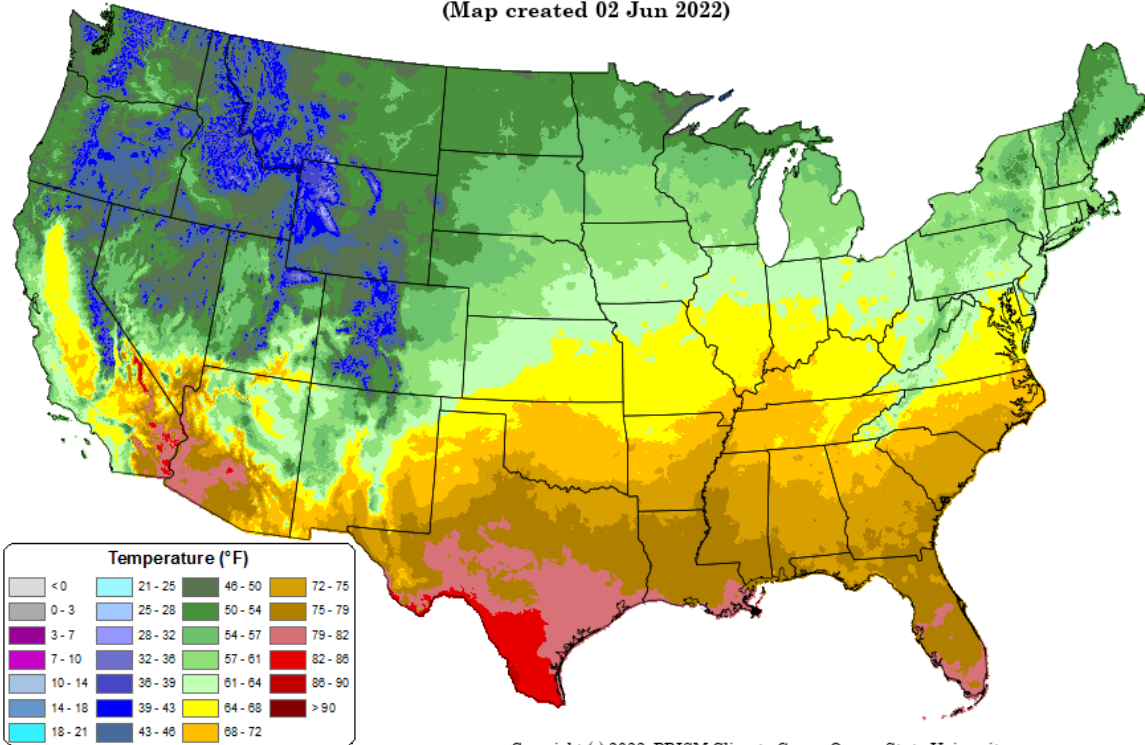
Photo courtesy of INCIweb - Calf Canyon May 8th



Actual

Average Daily Mean Temperature: May 2022

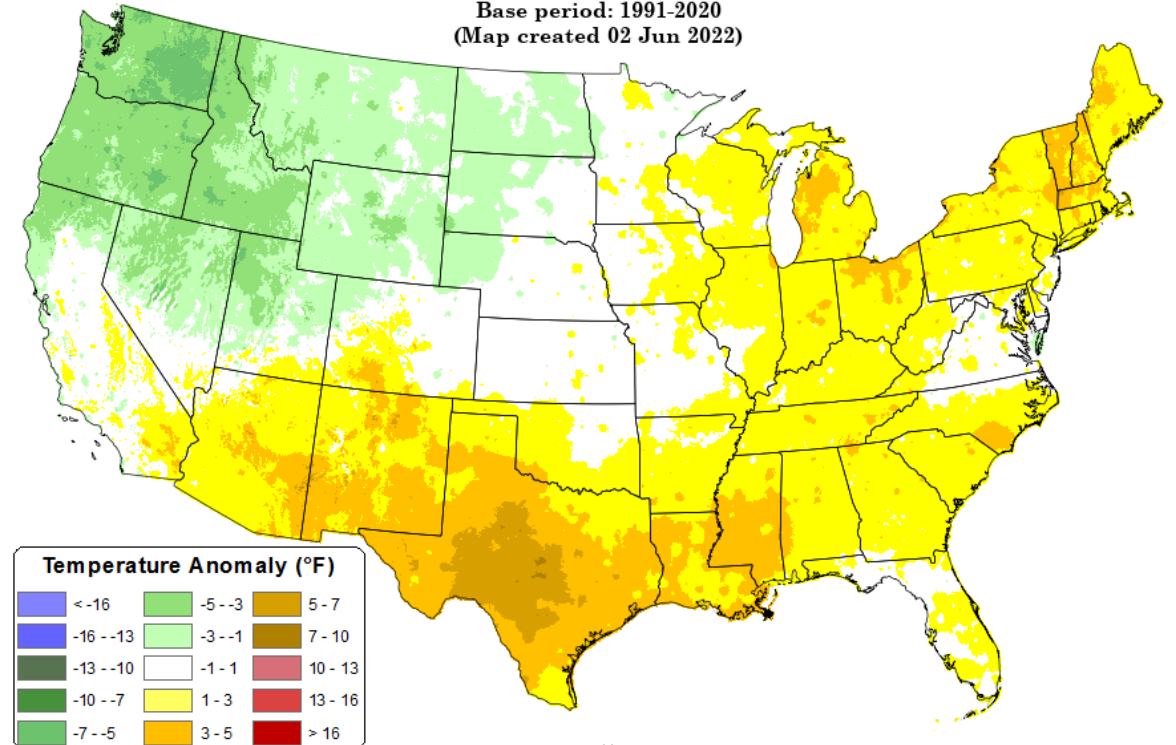
Period ending 7 AM EST 31 May 2022
(Map created 02 Jun 2022)



Anomaly

Daily Mean Temperature Anomaly: May 2022

Period ending 7 AM EST 31 May 2022
Base period: 1991-2020
(Map created 02 Jun 2022)

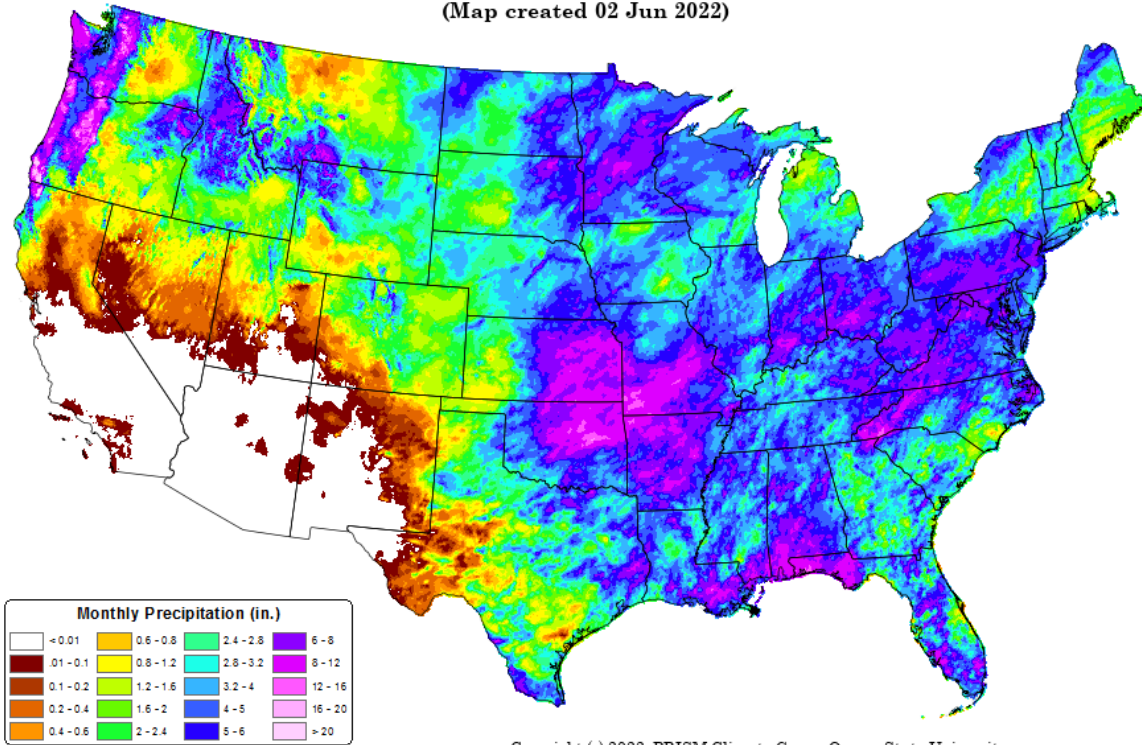


May temperatures were above normal across NM, especially the south and east.

Actual

Total Precipitation: May 2022

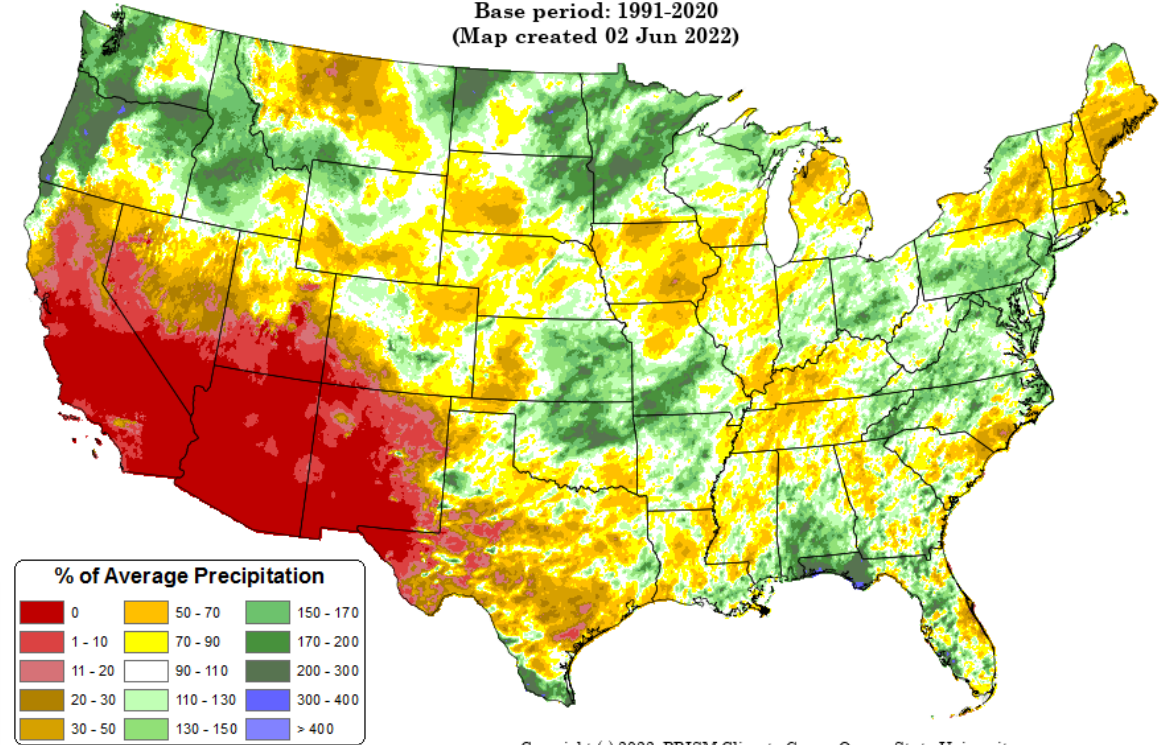
Period ending 31 May 2022
(Map created 02 Jun 2022)



Anomaly

Total Precipitation Anomaly: May 2022

Period ending 31 May 2022
Base period: 1991-2020
(Map created 02 Jun 2022)

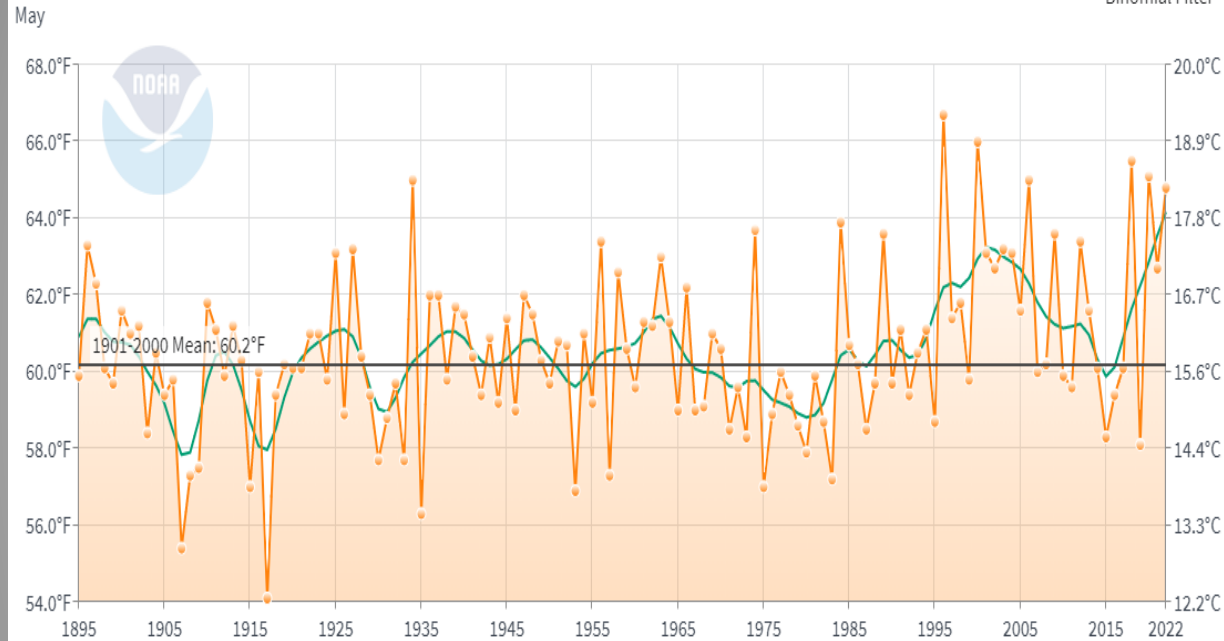


May precipitation was significantly below normal with most areas reporting zero precipitation for the entire month.



Temperature

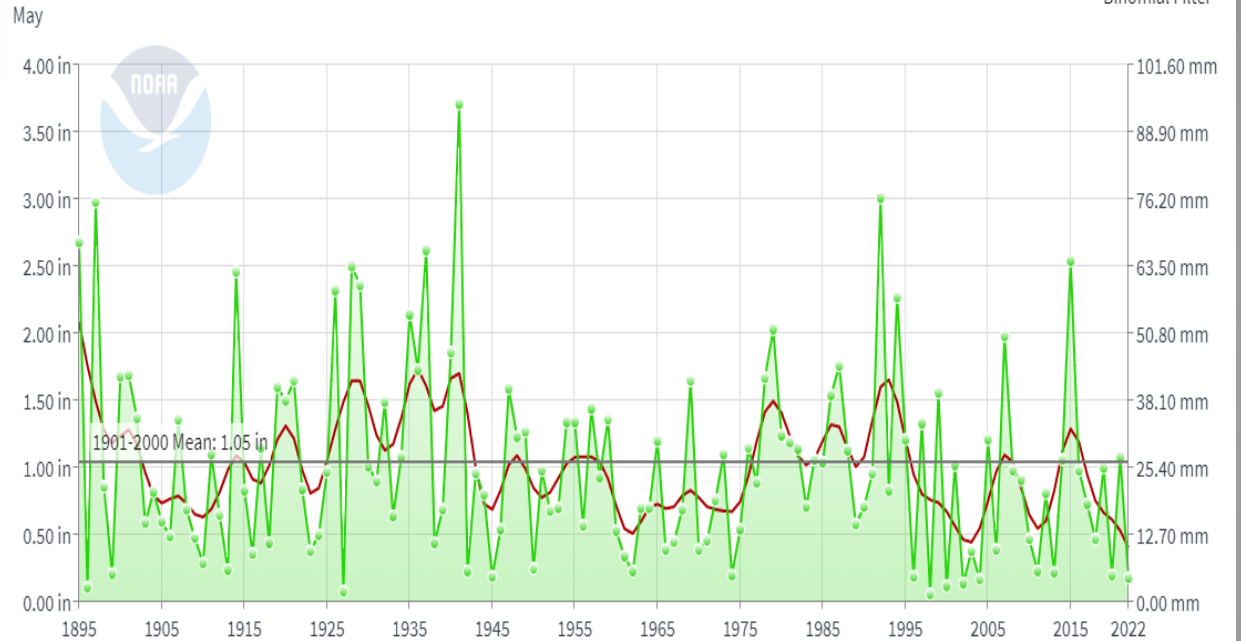
New Mexico Average Temperature



The May 2022 average statewide temperature was 64.8°, which was 4.6° above the long-term normal of 60.2° (1901-2000). This ranked as the 7th warmest May on record (1895-2022).

Precipitation

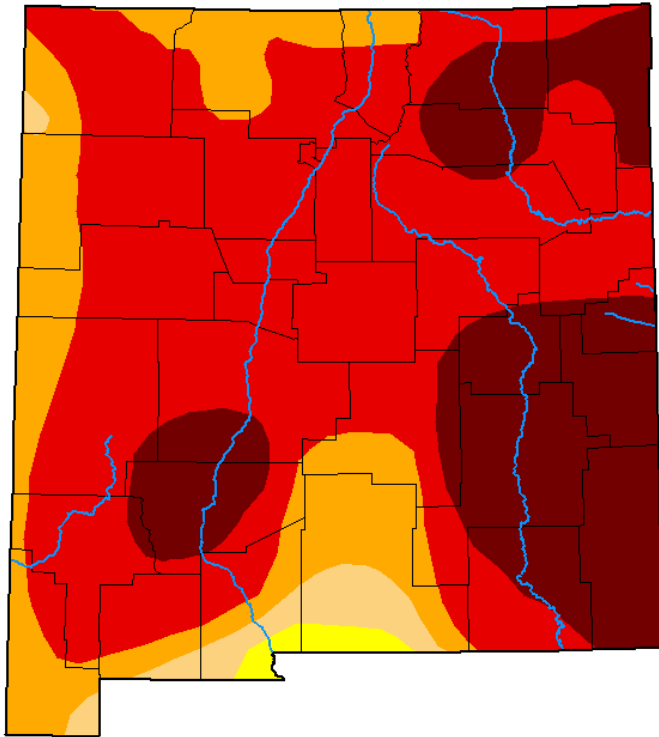
New Mexico Precipitation



The May 2022 average statewide precipitation was 0.18", which was 0.87" below the long-term normal of 1.05" (1901-2000). This ranked as the 7th driest May on record (1895-2022).



U.S. Drought Monitor New Mexico



May 3, 2022

(Released Thursday, May 5, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	98.94	95.79	79.05	24.64
Last Week 04-26-2022	0.00	100.00	98.94	95.79	67.99	15.74
3 Months Ago 02-01-2022	0.00	100.00	97.15	78.16	29.76	2.53
Start of Calendar Year 01-04-2022	0.00	100.00	97.83	75.86	20.91	0.00
Start of Water Year 09-28-2021	10.70	89.30	79.47	49.33	19.12	0.00
One Year Ago 05-04-2021	0.00	100.00	100.00	99.37	80.50	52.12

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>

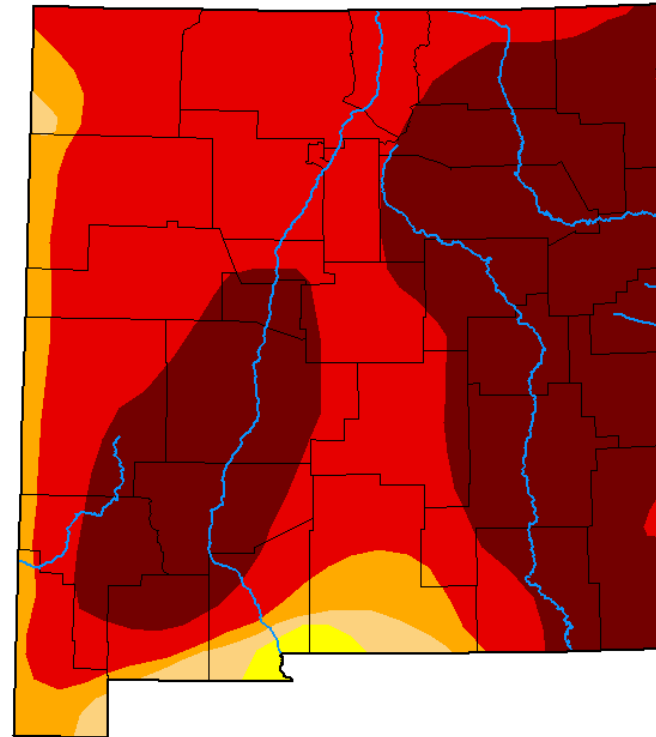
Author:

David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



May 24, 2022

(Released Thursday, May 26, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.26	97.20	90.06	45.84
Last Week 05-17-2022	0.00	100.00	99.26	97.20	84.91	36.73
3 Months Ago 02-22-2022	0.00	100.00	97.09	79.86	32.46	2.53
Start of Calendar Year 01-04-2022	0.00	100.00	97.83	75.86	20.91	0.00
Start of Water Year 09-28-2021	10.70	89.30	79.47	49.33	19.12	0.00
One Year Ago 05-25-2021	0.01	99.99	99.47	94.88	74.71	46.72

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 Heim
NCEI/NOAA



droughtmonitor.unl.edu

Drought conditions in May worsened over much of New Mexico. Exceptional Drought (D4) increased from 25 percent to 46 percent, and Extreme to Exceptional Drought (D3 and D4) increased from 79 percent to 90 percent.

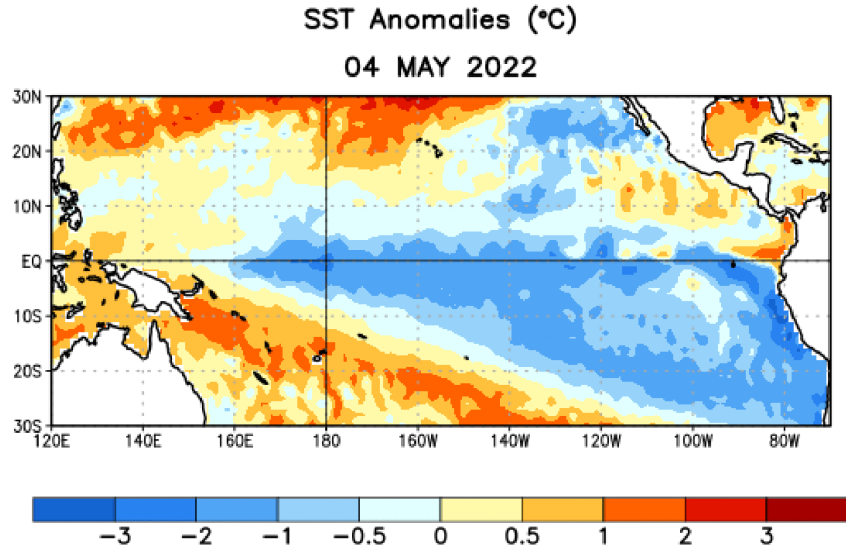


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 4 May 2022. Anomalies are computed with respect to the 1991-2020 base period weekly means.

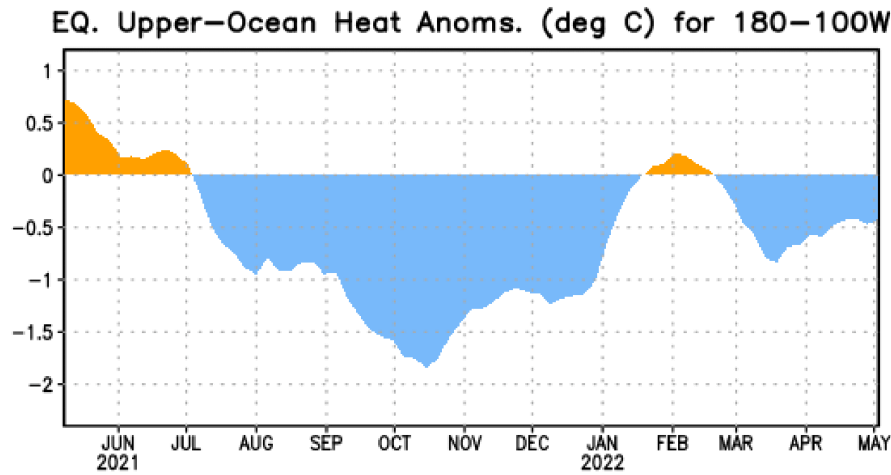


Figure 3. Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

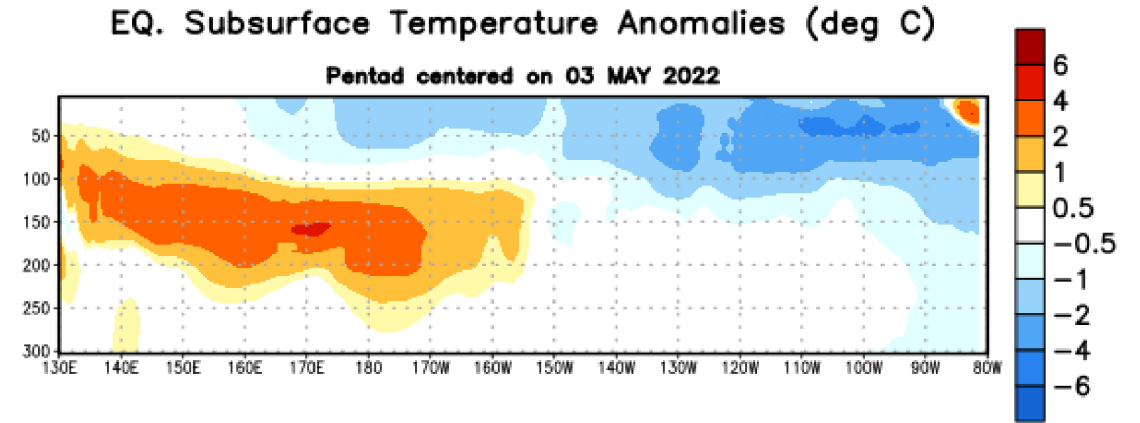


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies (°C) centered on the pentad of 3 May 2022. Anomalies are departures from the 1991-2020 base period pentad means.

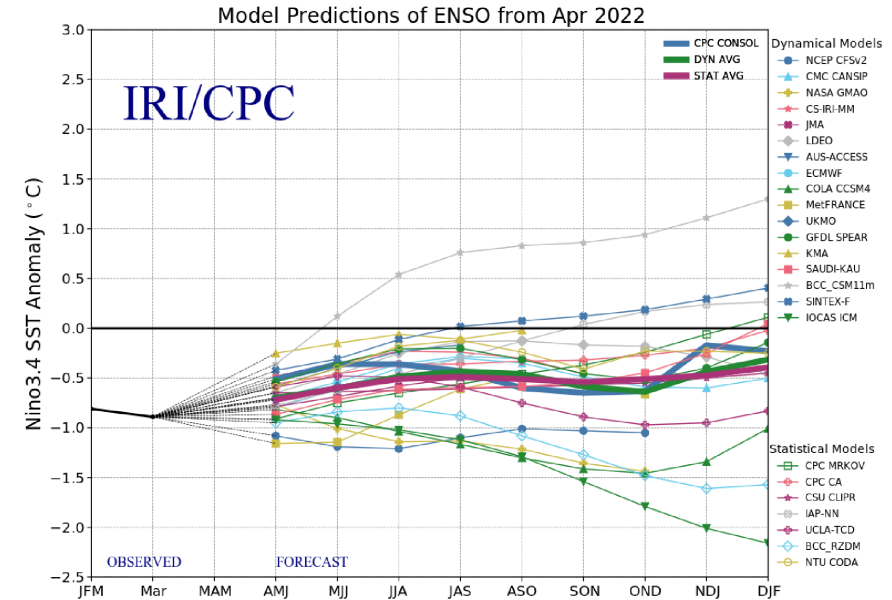
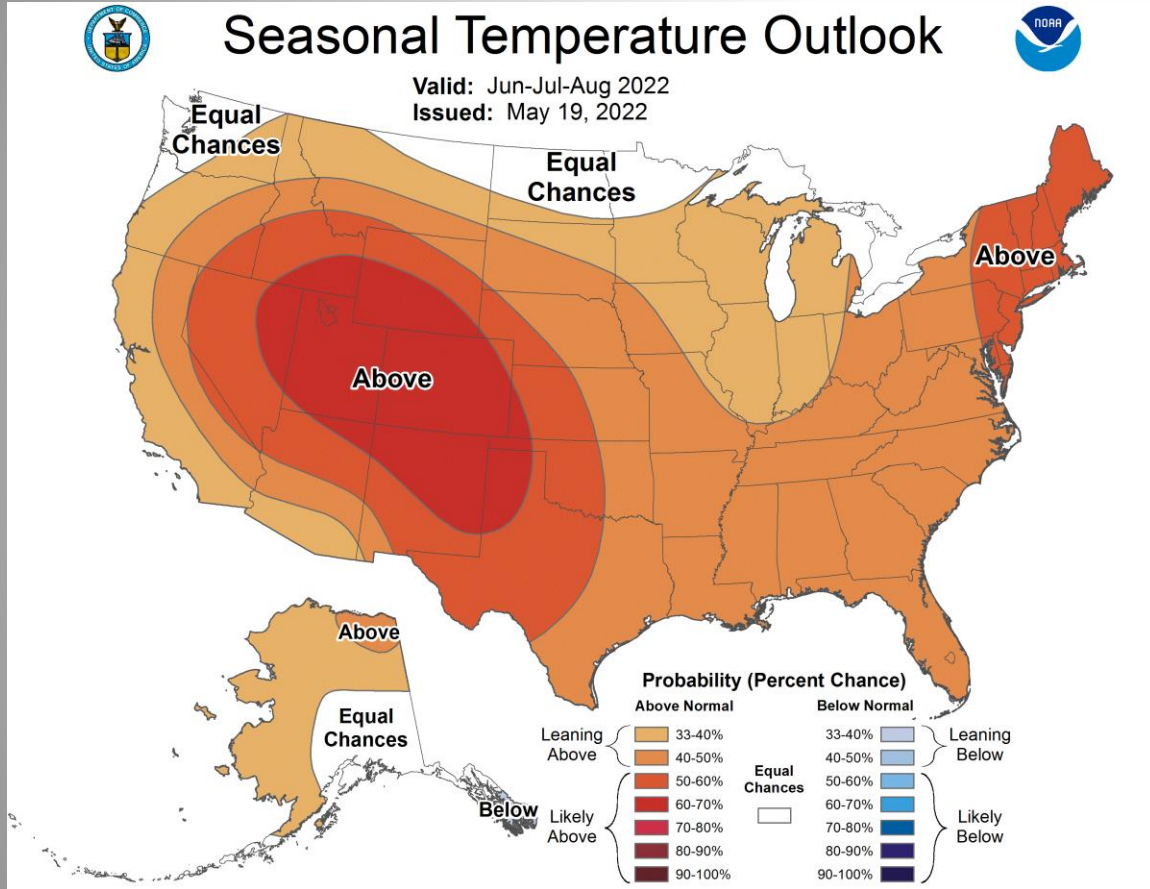


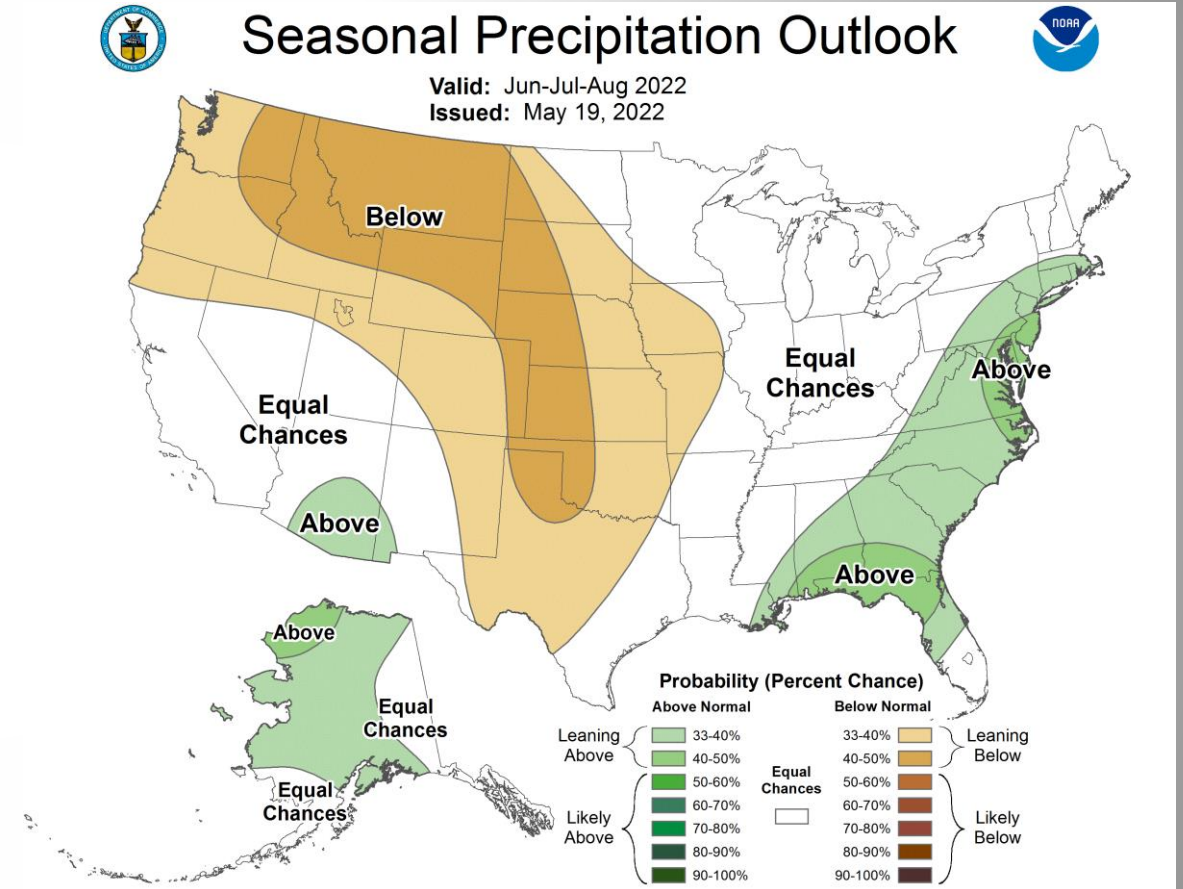
Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 April 2022.



Temperature June-July-August



Precipitation June-July-August



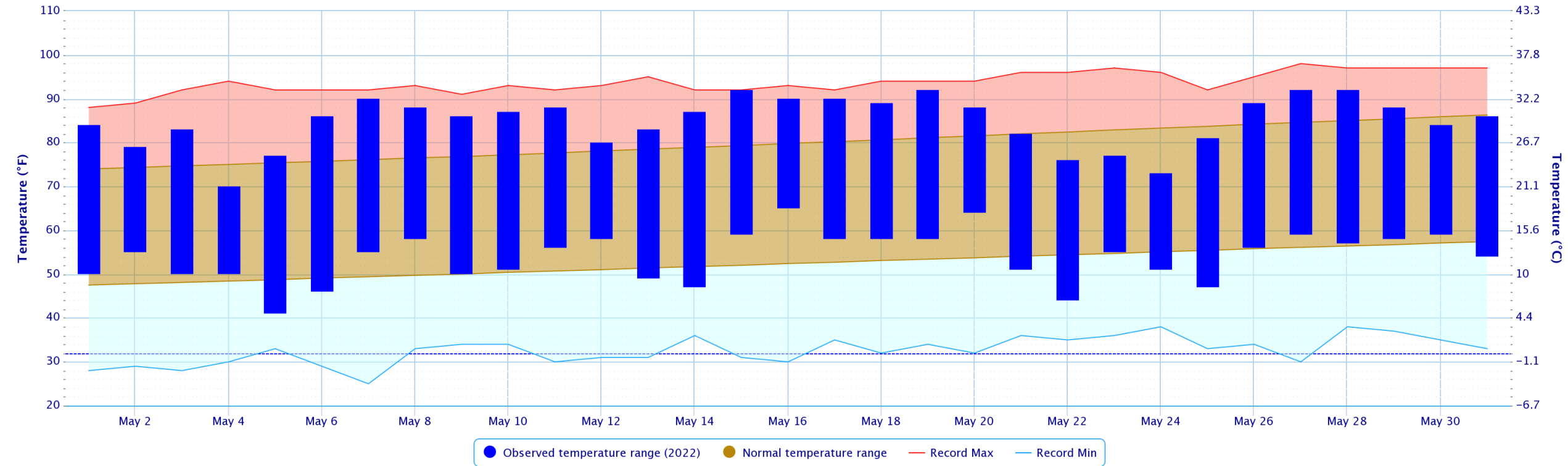
Above normal temperatures and below normal precipitation continue to be the most likely weather scheme for the late spring and summer season, especially southern New Mexico.



Average Temperature: 69.3°

Daily Temperature Data – ALBUQUERQUE INTL AP, NM

Period of Record – 1891-12-01 to 2022-06-01. Normals period: 1991-2020. Click and drag to zoom chart.



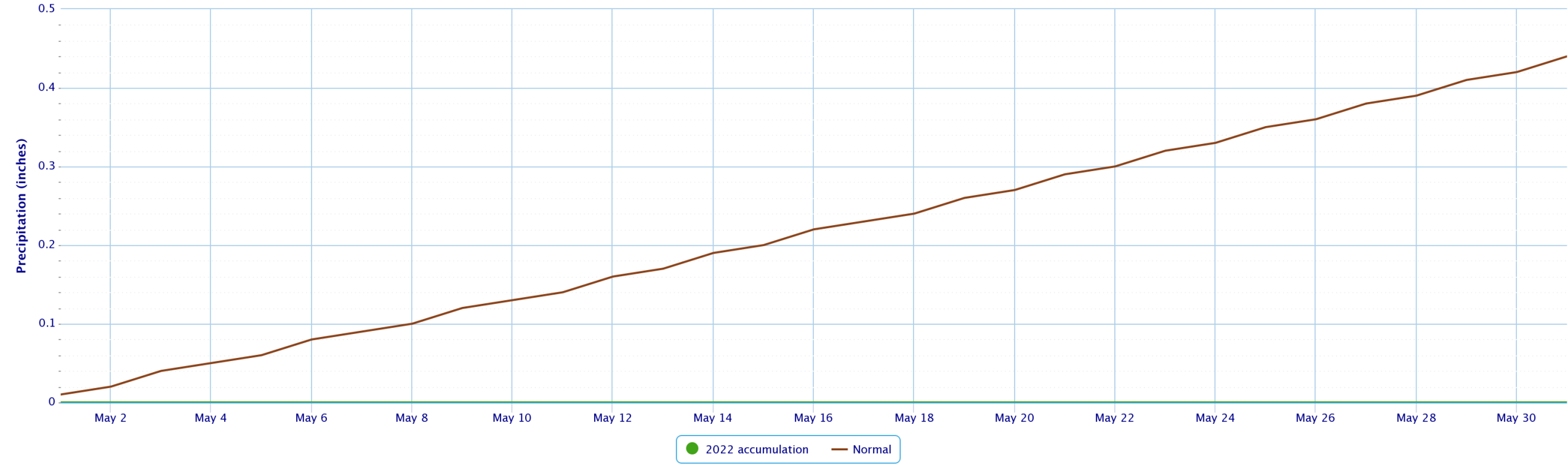
The May 2022 average temperature for Albuquerque was 69.3°, which was 3.2° above the normal of 66.1°. The average maximum temperature for the month was 84.8°. This was 4.9° above the normal average maximum temperature of 79.9°. The average minimum temperature for the month was 53.8°. This was 1.4° above the normal average minimum temperature of 52.4°. This ranked as the 8th warmest May on record.



Precipitation: Trace

Accumulated Precipitation – ALBUQUERQUE INTL AP, NM

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



The May 2022 precipitation for Albuquerque was only a Trace, while normal is 0.44". This ranked as a tie for 3rd driest among 6 other Mays. There is 2 months with no precipitation reported, 1905 and 1899.

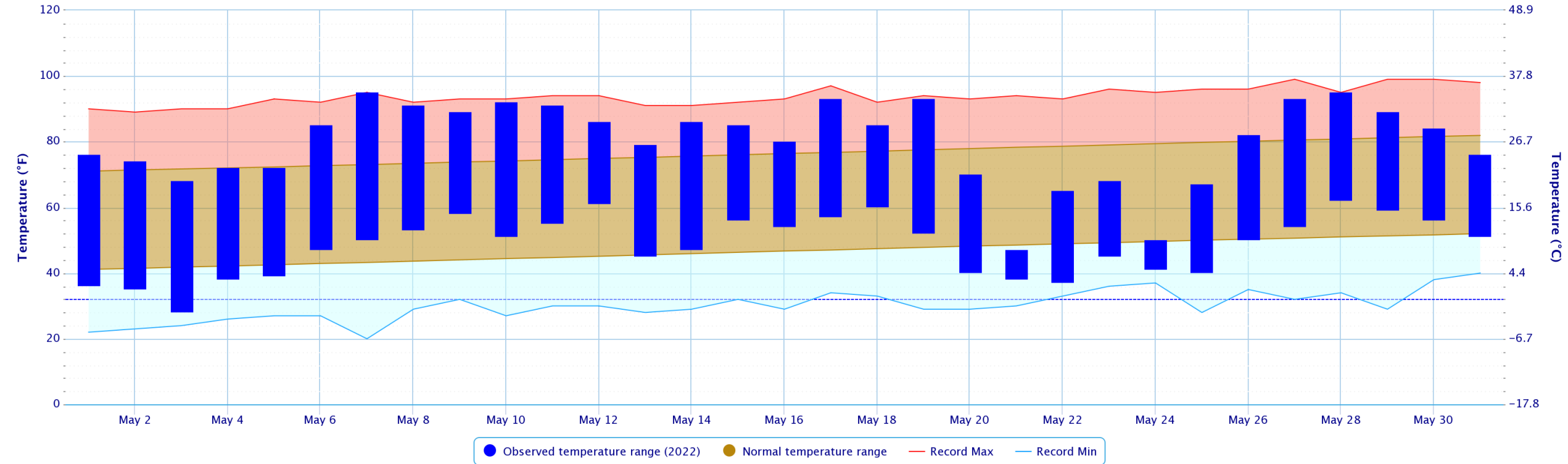
There was 0.0" of snow, compared to the normal of 0.0".



Average Temperature: 64.1°

Daily Temperature Data – CLAYTON MUNICIPAL AIR PARK, NM

Period of Record – 1896-02-01 to 2022-06-01. Normals period: 1991-2020. Click and drag to zoom chart.



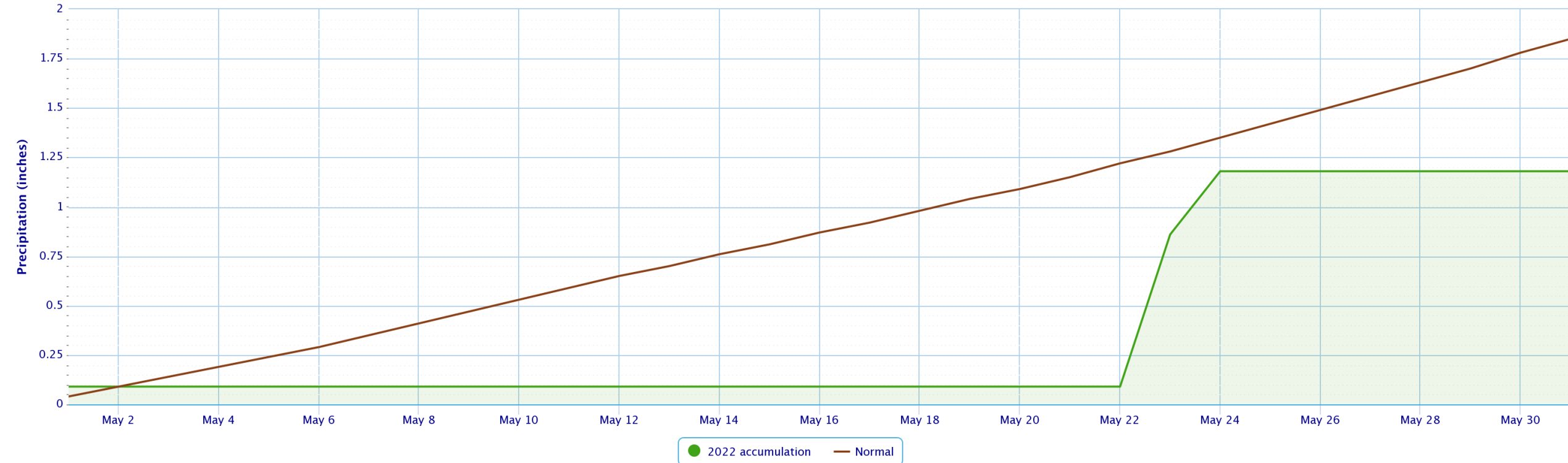
The May 2022 average temperature for Clayton was 64.1°, which was 2.6° above the normal of 61.5°. The average maximum temperature for the month was 79.9°. This was 3.5° above the normal average maximum temperature of 76.4°. The average minimum temperature for the month was 48.2°. This was 1.6° above the normal average minimum temperature of 46.6°. This ranked as a tie for 12th warmest May on record.



Precipitation: 1.18"

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 May 2022 precipitation for Clayton was 1.18", which was 0.67" below the normal of 1.85". This ranked as the 38th driest May on record.

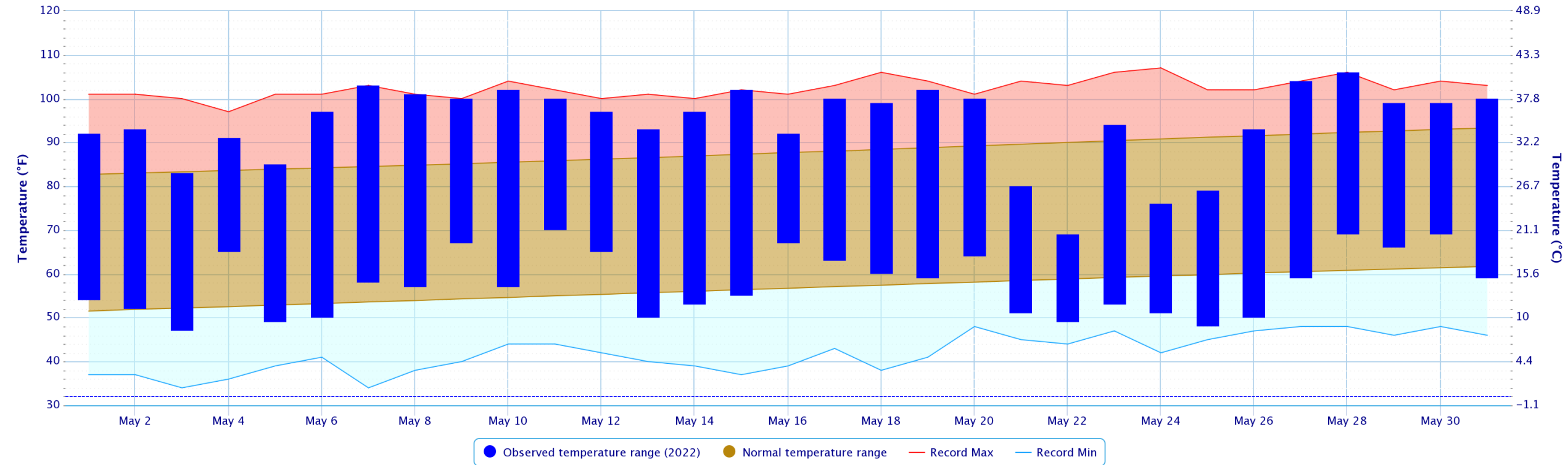
There was no snow, compared to the normal of 0.5".



Average Temperature: 76.0°

Daily Temperature Data – ROSWELL INDUSTRIAL AIR PARK, NM

Period of Record – 1946-12-01 to 2022-06-01. Normals period: 1991-2020. Click and drag to zoom chart.



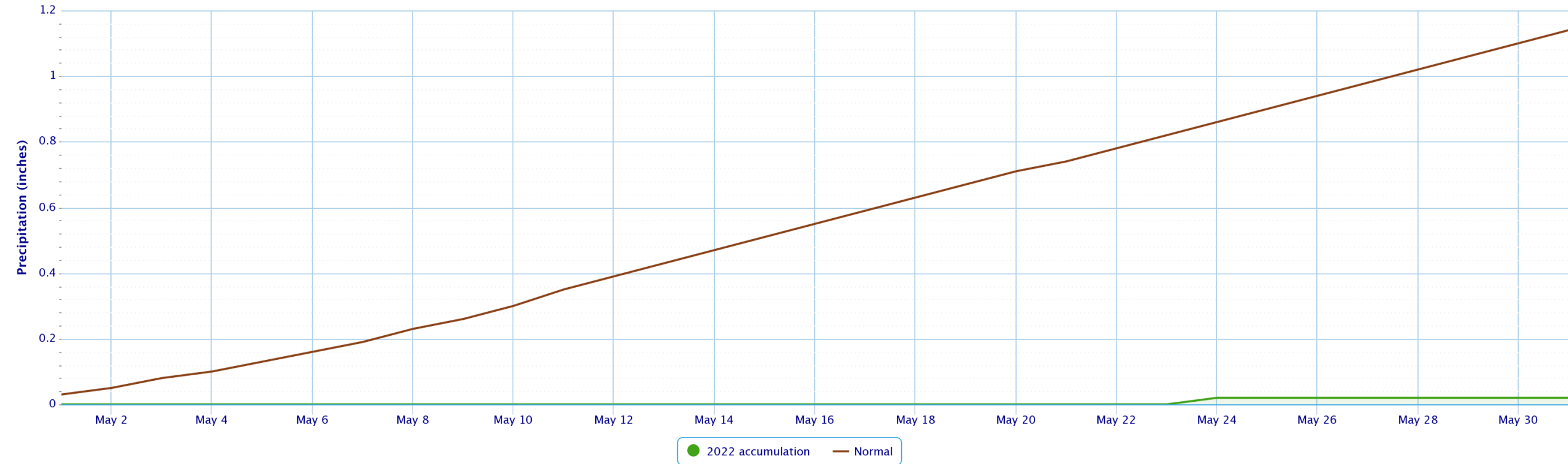
The May 2022 average temperature for Roswell was 76.0°, which was 3.7° above the normal of 72.3°. The average maximum temperature for the month was 94.5°. This was 6.7° above the average maximum temperature of 87.8°. The average minimum temperature for the month was 57.6°. This was 0.9° above the normal average minimum temperature of 56.7°. This ranked as the 3rd warmest May on record.



Precipitation: 0.02"

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 May 2022 precipitation for Roswell was 0.02", which was 1.12" below the normal of 1.14". This ranked as the 8th driest May on record. The other 7 Mays reported a trace of precipitation.

There was 0.0" of snow, compared to the normal of 0.0".



Event Type	Date	County/Zone Name	Magnitude	Type	Event Narrative
Wildfire	5/1-5/31/2022	East Slopes Sangre De Cristo Mountains			The Hermits Peak/Calf Canyon Fire grew to 315,627 acres with 50% containment in May.
Wildfire	5/1-5/31/2022	Jemez Mountains			The Cerro Pelado Fire grew to 45,605 acres with 95% containment in May.
Wildfire	5/1-5/9/2022	South Central Mountains			The McBride Fire was fully contained on May 9, 2022 after burning 6,000 acres.
Wildfire	5/1-5/13/2022	East Slopes Sangre De Cristo Mountains			The Cooks Peak Fire grew to 59,359 acres with 100% containment in May.
Hail	5/1/2022	Quay	0.75"		Ragland reported penny size hail.
High Wind	5/2/2022	Southern Sangre De Cristo Mountains	54 kt	Gust	Cowles measured a peak wind gust of 62 mph.
High Wind	5/2/2022	Central Highlands	52 kt	Gust	Clines Corners measured a peak wind gust of 60 mph.
Wildfire	5/1-5/2/2022	South Central Mountains			The Nogal Canyon Fire was fully contained on May 2, 2022 after burning 433 acres.
High Wind	5/3/2022	South Central Mountains	50 kt	Gust	Carrizozo measured a brief wind gust of 58 mph.
High Wind	5/8/2022	West Central Plateau	36 kt	Sustained	Vanderwagen measured a peak sustained wind speed of 42 mph.
High Wind	5/8/2022	West Central Mountains	38 kt	Sustained	Thoreau measured a peak sustained wind speed of 44 mph.
High Wind	5/8/2022	Upper Rio Grande Valley	36 kt	Sustained	Taos measured a peak sustained wind speed of 42 mph.
High Wind	5/9/2022	Quay County	35 kt	Sustained	Tucumcari measured a peak sustained wind speed of 40 mph.
High Wind	5/9/2022	Sandia/Manzano Mountains Including Ed	50 kt	Gust	Sandia Park measured a peak wind gust of 58 mph.
High Wind	5/8/2022	West Central Plateau	57 kt	Gust	Gallup measured a peak wind gust of 66 mph.
High Wind	5/8/2022	Jemez Mountains	56 kt	Gust	Frijoles measured a peak wind gust of 64 mph.
High Wind	5/7-5/9/2022	Southern Sangre De Cristo Mountains	54 kt	Gust	Cowles measured a peak wind gust of 62 mph.
High Wind	5/8-5/9/2022	East Slopes Sangre De Cristo Mountains	52 kt	Gust	Angel Fire measured a peak wind gust of 60 mph.
High Wind	5/9/2022	Far Northeast Highlands	50 kt	Gust	Raton measured a peak wind gust of 58 mph.
High Wind	5/8-5/9/2022	Northeast Highlands	51 kt	Gust	Las Vegas measured a peak wind gust of 59 mph.
High Wind	5/9/2022	Quay County	51 kt	Gust	Tucumcari measured a peak wind gust of 59 mph.
High Wind	5/8/2022	Union County	51 kt	Gust	Clayton measured a brief wind gust of 59 mph.
High Wind	5/10/2022	Far Northeast Highlands	56 kt	Gust	Raton measured a peak wind gust of 64 mph.
High Wind	5/11/2022	Central Highlands	69 kt	Gust	Clines Corners measured a 79 mph wind gust.
High Wind	5/11/2022	Far Northeast Highlands	53 kt	Gust	Raton measured a 61 mph wind gust.
High Wind	5/11/2022	Northeast Highlands	50 kt	Gust	Las Vegas measured a 58 mph wind gust.








*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	Type	Event Narrative
Tstorm Wind	5/16/2022	Colfax	52 kt	Gust	Raton measured a thunderstorm wind gust of 60 mph.
Tstorm Wind	5/16/2022	Union	52 kt	Gust	Clayton measured a thunderstorm wind gust of 60 mph.
High Wind	5/20/2022	West Central Plateau	54 kt	Gust	Gallup measured a peak wind gust of 62 mph.
High Wind	5/20/2022	Santa Fe Metro Area	50 kt	Gust	Santa Fe measured a peak wind gust of 58 mph.
High Wind	5/21/2022	Middle Rio Grande Valley/Albuquerque	50 kt	Gust	The Sunport measured a peak wind gust of 58 mph. A gas station canopy was toppled near Carlisle and Candelaria.
Hail	5/23/2022	Curry	1.25"		Half dollar size hail with a severe thunderstorm in Clovis.
Hail	5/23/2022	Curry	1"		Portair reported quarter size hail from a severe thunderstorm.
Hail	5/23/2022	Curry	0.75"		Clovis reported penny size hail from a severe thunderstorm.
Hail	5/23/2022	Curry	1"		Clovis reported quarter size hail from a severe thunderstorm.
Hail	5/23/2022	Curry	1"		Quarter size hail that was covering the ground northeast of Clovis.
Hail	5/23/2022	Roosevelt	1"		A member of the public reported quarter size hail near Causey.
Hail	5/23/2022	Roosevelt	1.75"		A member of the public reported golf ball size hail near Rogers.
Hail	5/23/2022	Curry	1"		Texico reported quarter inch hail from a severe thunderstorm.
Hail	5/23/2022	Union	1"		Clayton estimated quarter size hail from a severe thunderstorm.
Hail	5/23/2022	Curry	0.75"		A member of the public reported penny size hail near Clovis.
Tstorm Wind	5/24/2022	Chaves	51 KT	Gust	Elkins measured a thunderstorm wind gust of 59 mph.
Hail	5/24/2022	De Baca	0.88"		Nickel size hail just east of Mesa that was accumulating on the ground.
Hail	5/24/2022	Chaves	1"		Quarter size hail along U.S. Highway 285 at mile marker 144 near Mesa.
Hail	5/24/2022	Chaves	1"		A trained spotter reported one inch hail south of Kenna.
Tstorm Wind	5/27/2022	Bernalillo	58 kt	Gust	The Albuquerque Sunport measured a 67 mph wind gust.
Tstorm Wind	5/27/2022	Torrance	52 kt	Gust	Clines Corners measured a 60 mph wind gust associated with a very strong downburst.
Dust Devil	5/27/2022	Bernalillo			A dust devil near Central and 98th St in southwest Albuquerque tossed mattresses out of the back of a pickup truck.
High Wind	5/28/2022	Northeast Highlands	52 kt	Gust	Las Vegas measured a peak wind gust of 60 mph.
High Wind	5/28/2022	Quay County	51 kt	Gust	Tucumcari measured a peak wind gust of 59 mph.
High Wind	5/29/2022	Northwest Plateau	51 kt	Gust	Farmington measured a peak wind gust of 59 mph.
High Wind	5/29/2022	West Central Plateau	55 kt	Gust	Gallup measured a peak wind gust of 63 mph.
High Wind	5/29/2022	Southern Sangre De Cristo Mountains	51 kt	Gust	Cowles measured a peak wind gust of 59 mph.
High Wind	5/30/2022	Far Northeast Highlands	58 kt	Gust	Raton measured a peak wind gust of 67 mph due to mountain wave activity.
Dust Storm	5/30/2022	Northwest Plateau			Farmington reported a dust storm with visibility below one quarter of a mile.

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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>
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