



Synopsis

November 2023 was another warmer and drier than average month for New Mexico. That now makes 9 consecutive months with above average temperatures. A couple of winter storms arrived around the middle of the month and brought much-needed precipitation to the central and northern portions of the state. The biggest storm came at the end of the month and dumped up to 6 inches of snow in the Santa Fe area, shutting down I-25 and closing city operations for the day. Unfortunately, eastern New Mexico missed out on most these storms and saw little to no precipitation the entire month, which led to an expansion of severe drought.



Photo taken at NWS office
Santa Cruz Reservoir | Nov 18th



Photo courtesy Marta Czerniak
Rio Rancho, NM | Nov 25th

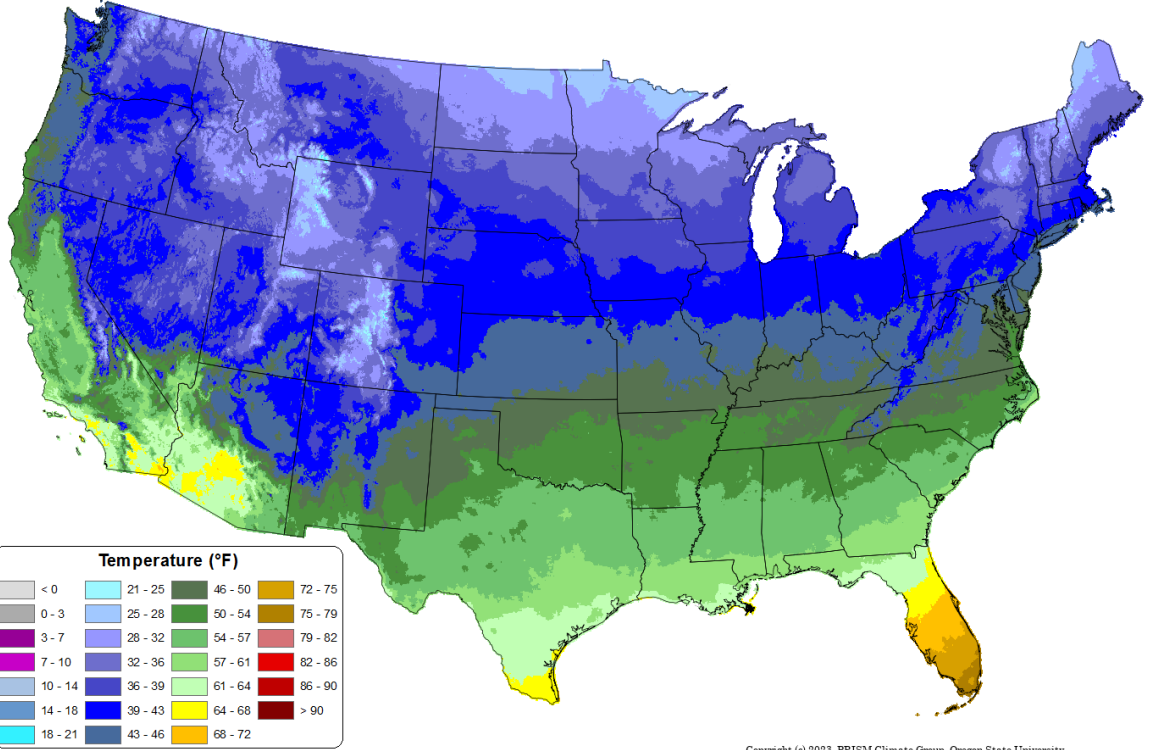


Photo courtesy Mike Rimar
Santa Fe, NM | Nov 30th



Average Temperatures

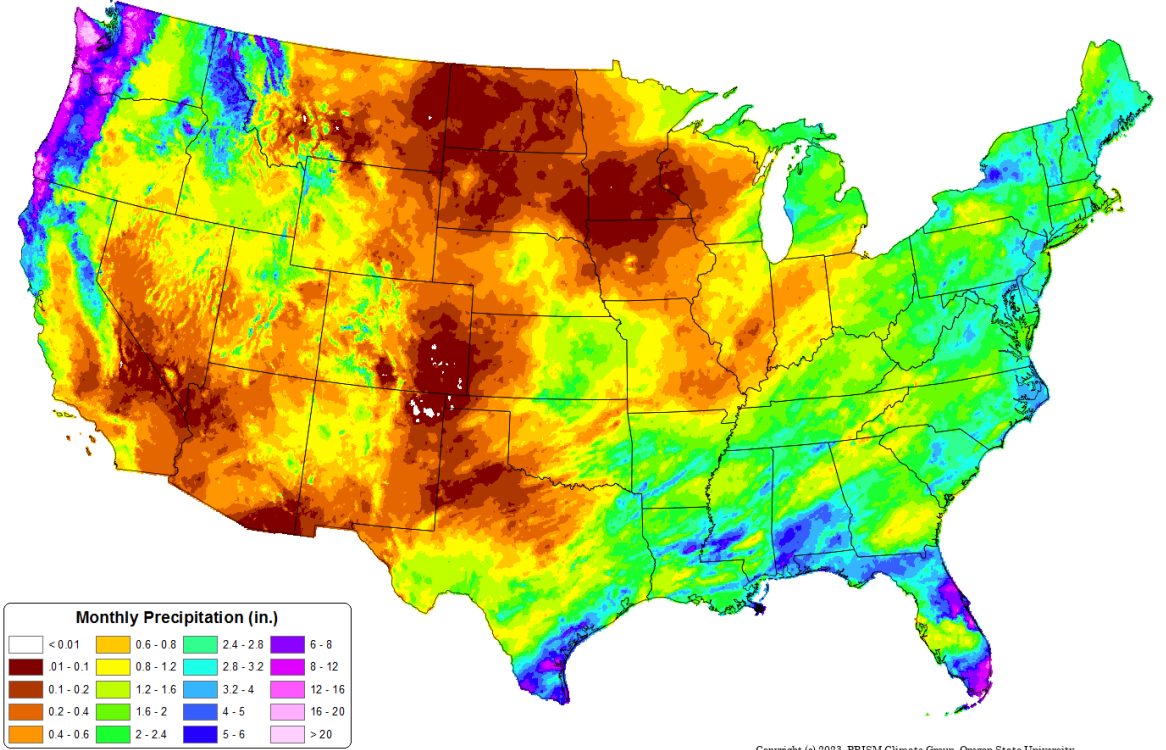
Average Daily Mean Temperature: Nov 2023
Period ending 7 AM EST 30 Nov 2023
(Map created 03 Dec 2023)



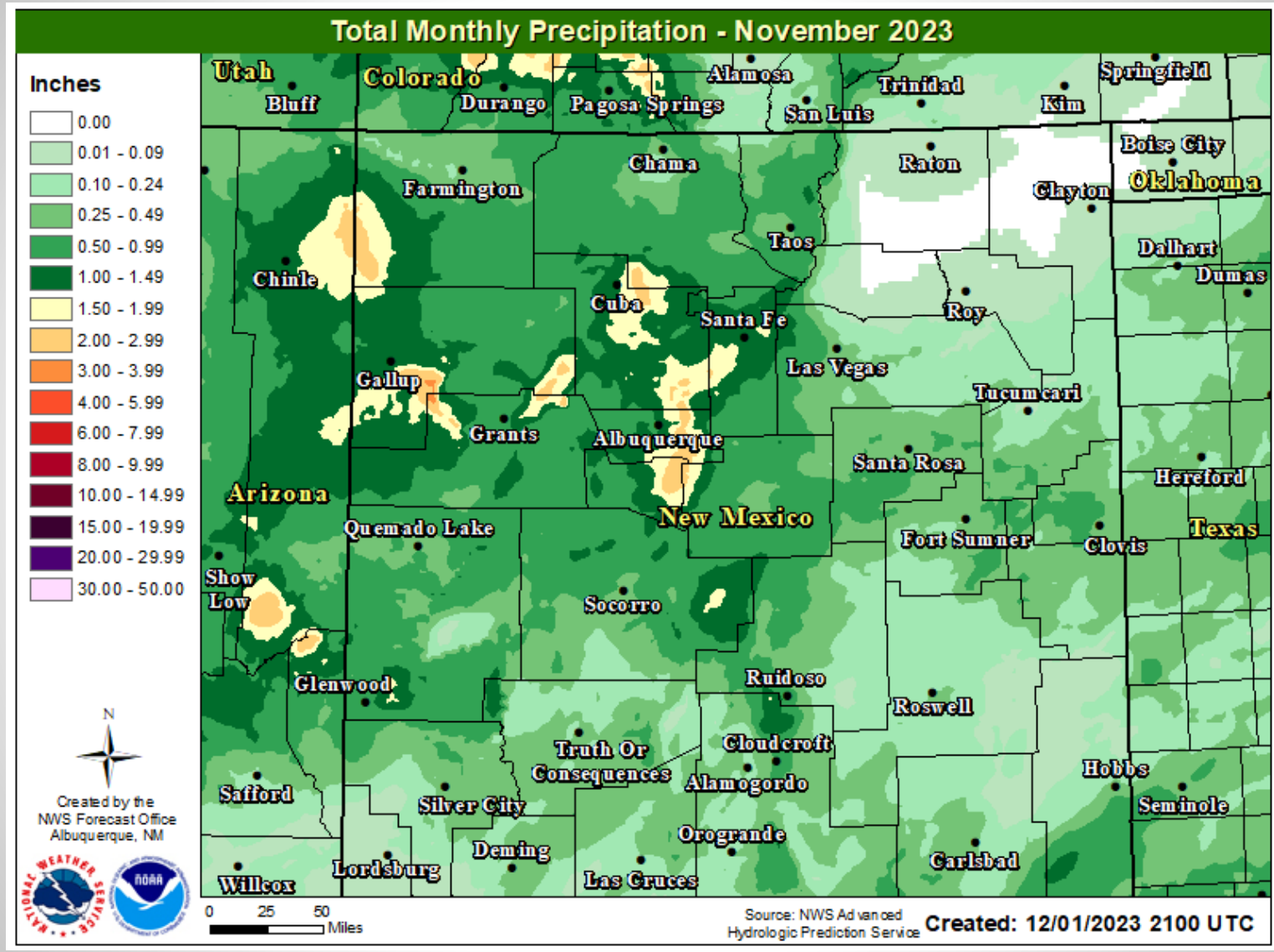
Copyright (c) 2023, PRISM Climate Group, Oregon State University

Total Precipitation

Total Precipitation: Nov 2023
Period ending 30 Nov 2023
(Map created 03 Dec 2023)



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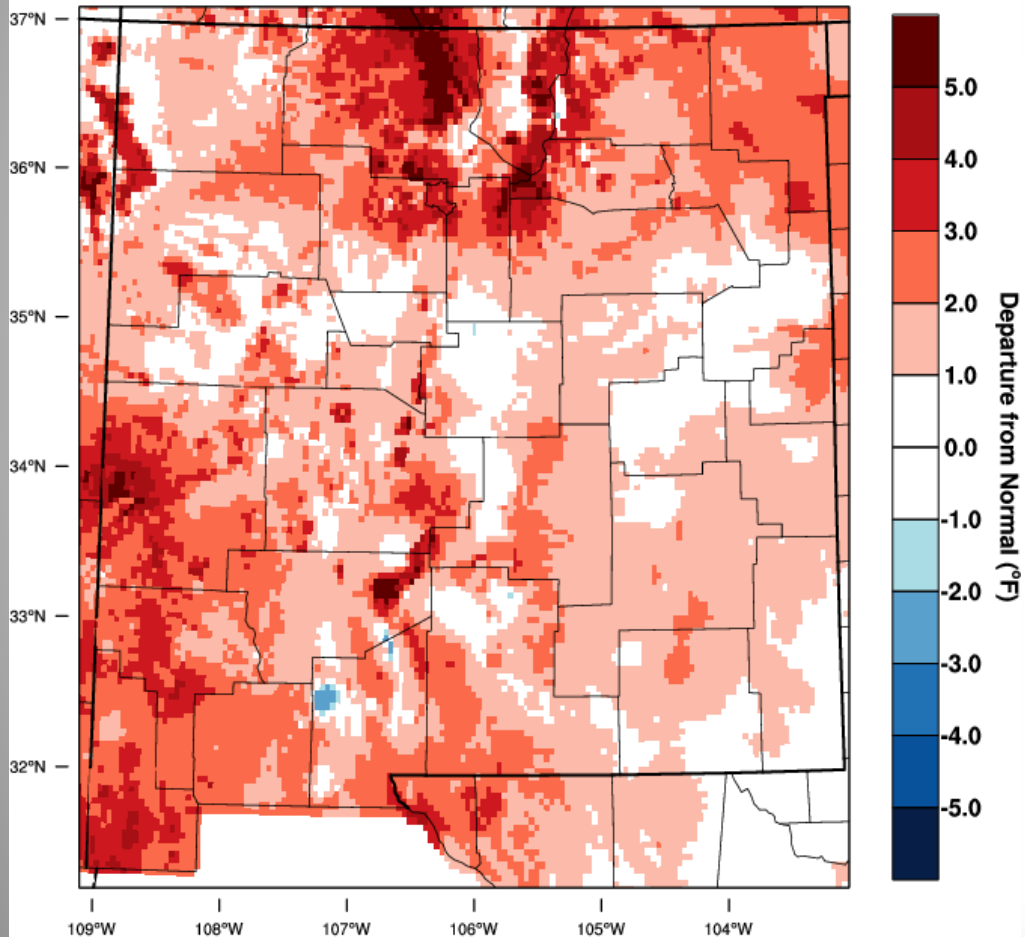
Here is a more detailed image of the November 2023 precipitation.



Anomaly

New Mexico - Mean Temperature

November 2023 Departure from 1981-2010 Normal

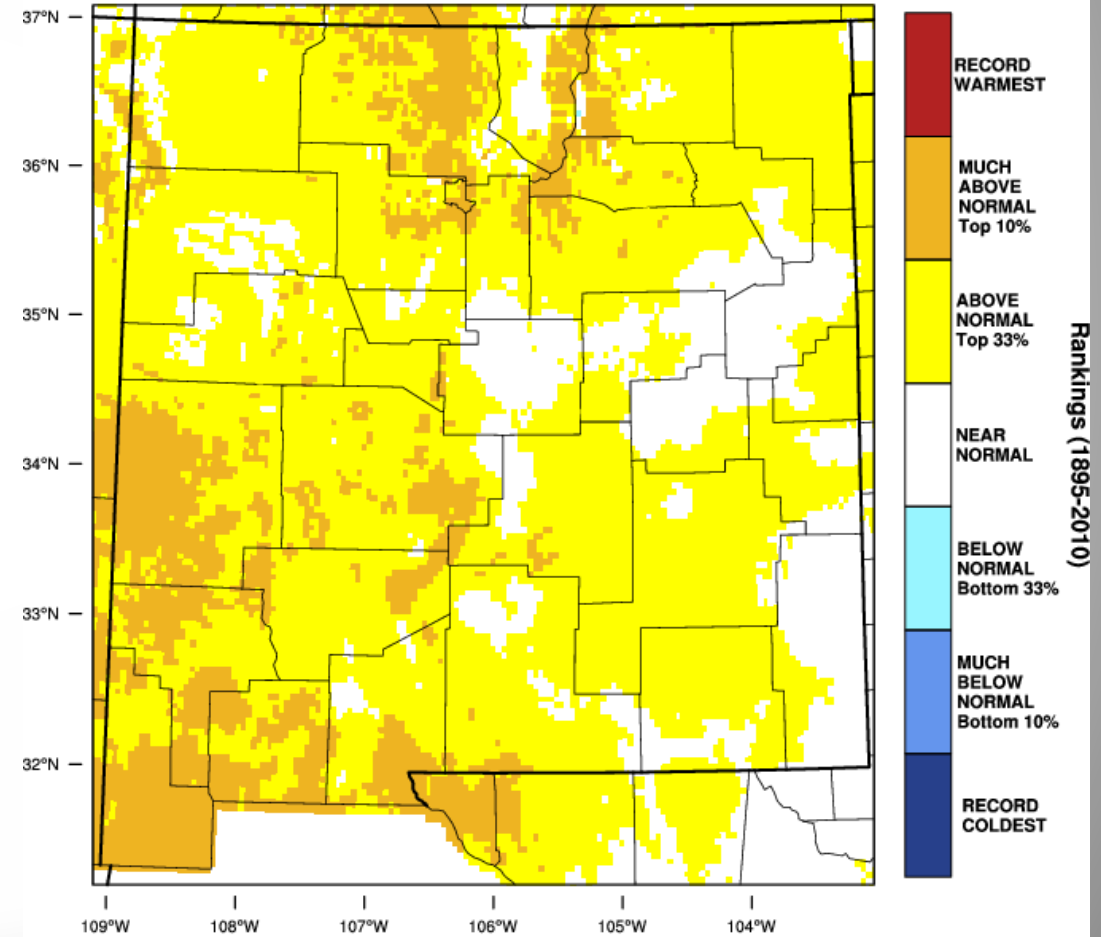


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 5 DEC 2023

Percentile

New Mexico - Mean Temperature

November 2023 Percentile



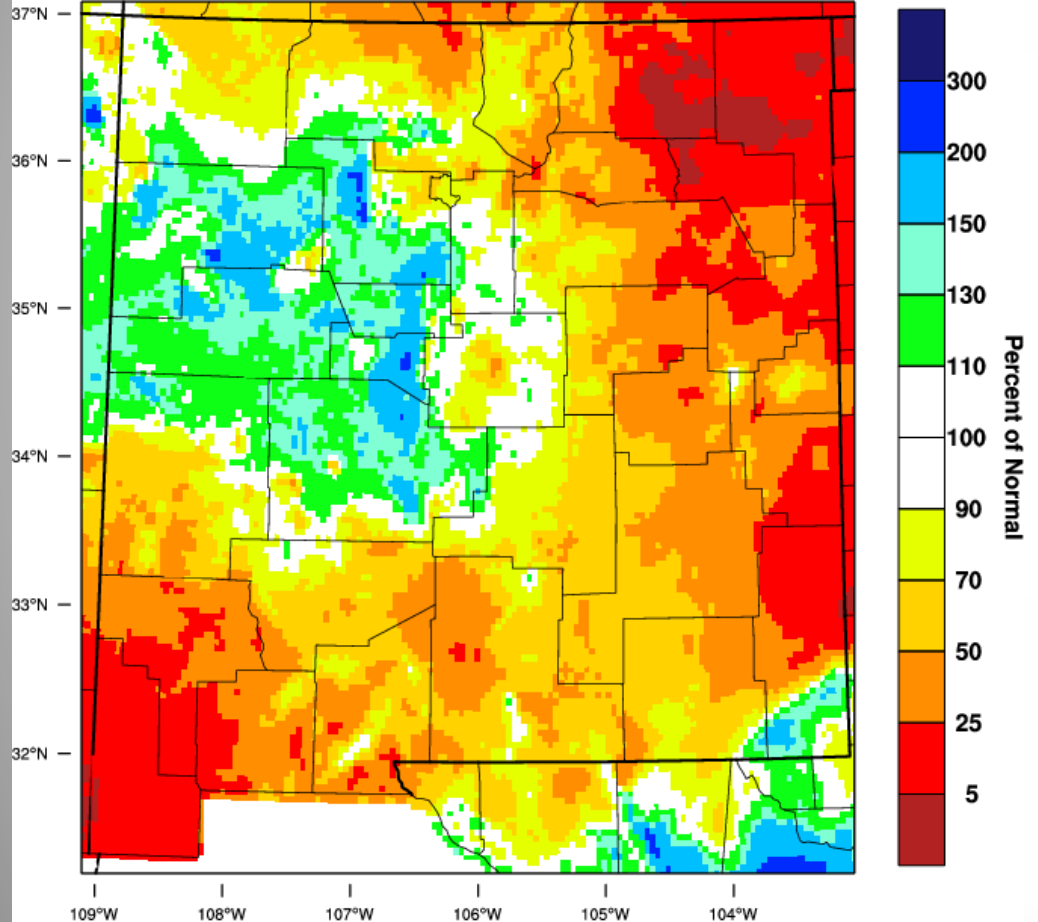
WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 5 DEC 2023



Anomaly

New Mexico - Precipitation

November 2023 Percent of 1981-2010 Normal

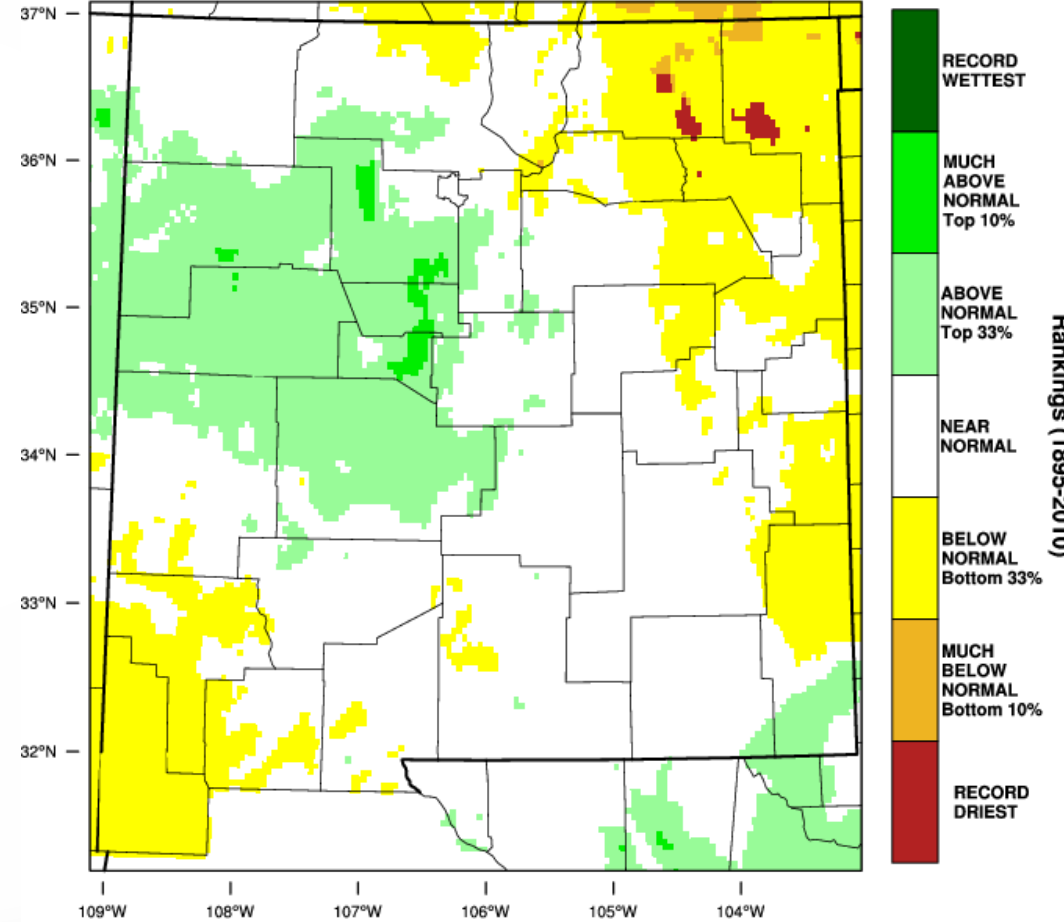


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 5 DEC 2023

Percentile

New Mexico - Precipitation

November 2023 Percentile



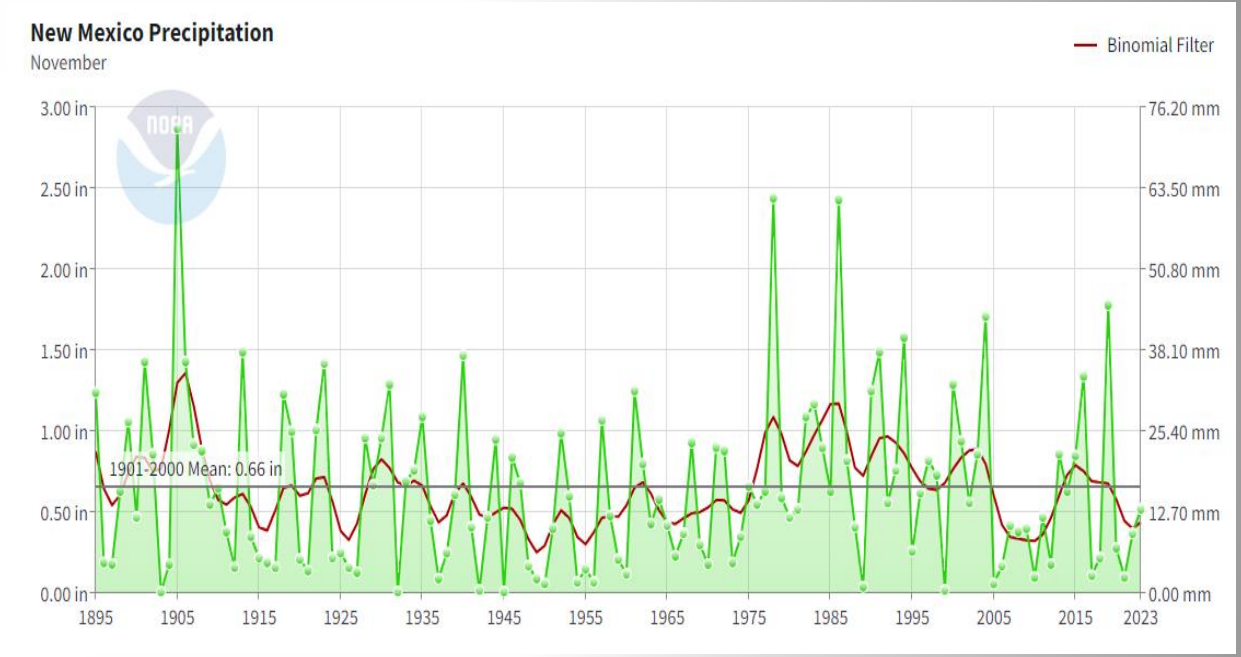
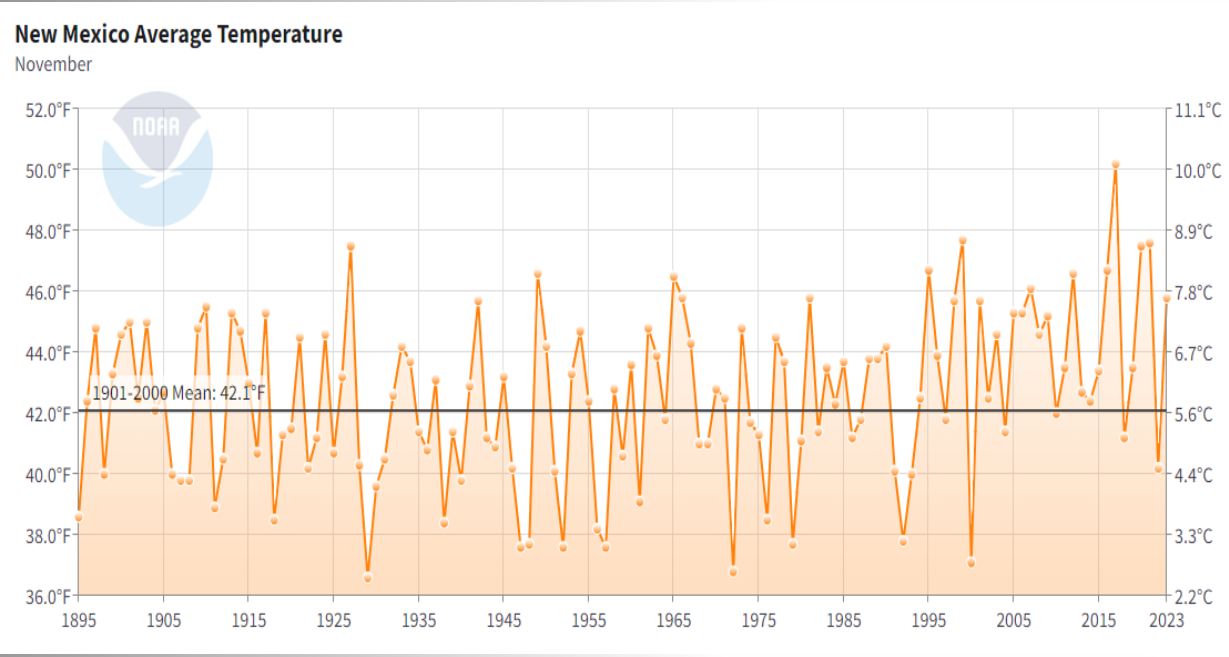
WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 5 DEC 2023

Rankings (1895-2010)



Temperature

Precipitation

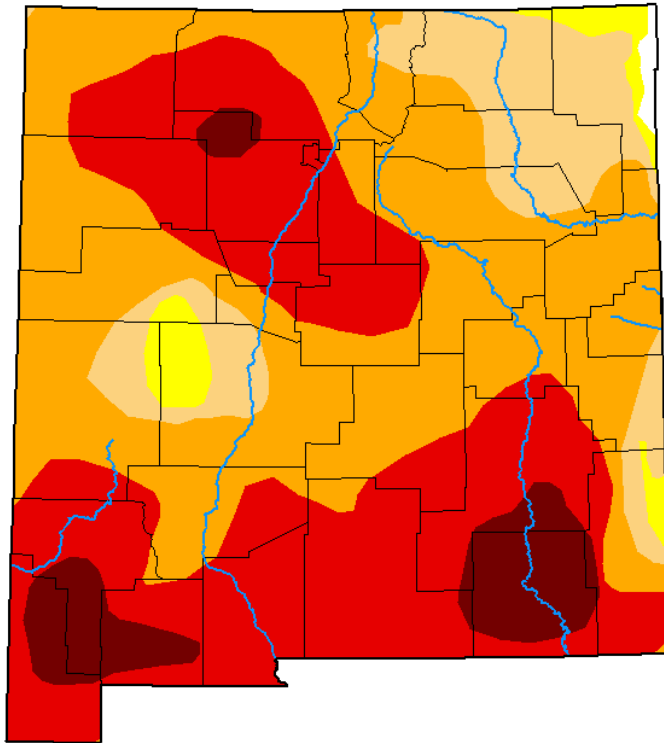


The November 2023 average statewide temperature was 45.8°, which was 3.7° above the long-term normal of 42.1° (1895-2022). This ranked as the 14th warmest November on record.

The November 2023 average statewide precipitation was 0.52", which was 0.14" below the long-term normal of 0.66" (1895-2022). This ranked as the 62nd driest November on record.



U.S. Drought Monitor New Mexico



November 7, 2023
(Released Thursday, Nov. 9, 2023)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.39	99.61	96.98	84.74	43.62	7.45
Last Week 10-31-2023	0.38	99.62	94.87	78.37	36.69	7.45
3 Months Ago 08-08-2023	4.67	95.33	58.22	16.62	2.19	0.00
Start of Calendar Year 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Water Year 09-26-2023	0.00	100.00	96.87	67.52	32.31	6.85
One Year Ago 11-08-2022	6.76	93.24	42.20	20.49	4.93	0.19

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>

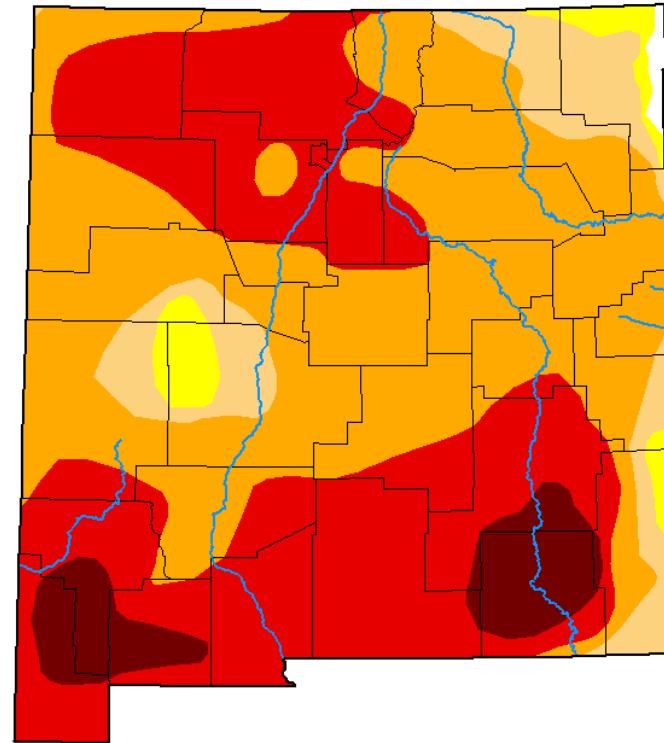
Author:

Lindsay Johnson
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



November 28, 2023
(Released Thursday, Nov. 30, 2023)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.40	99.60	96.75	87.73	43.48	6.48
Last Week 11-21-2023	0.40	99.60	96.76	88.67	48.00	7.08
3 Months Ago 08-29-2023	0.61	99.39	90.24	57.95	14.90	0.00
Start of Calendar Year 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Water Year 09-26-2023	0.00	100.00	96.87	67.52	32.31	6.85
One Year Ago 11-29-2022	6.76	93.24	42.32	18.42	3.74	0.19

Intensity:

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

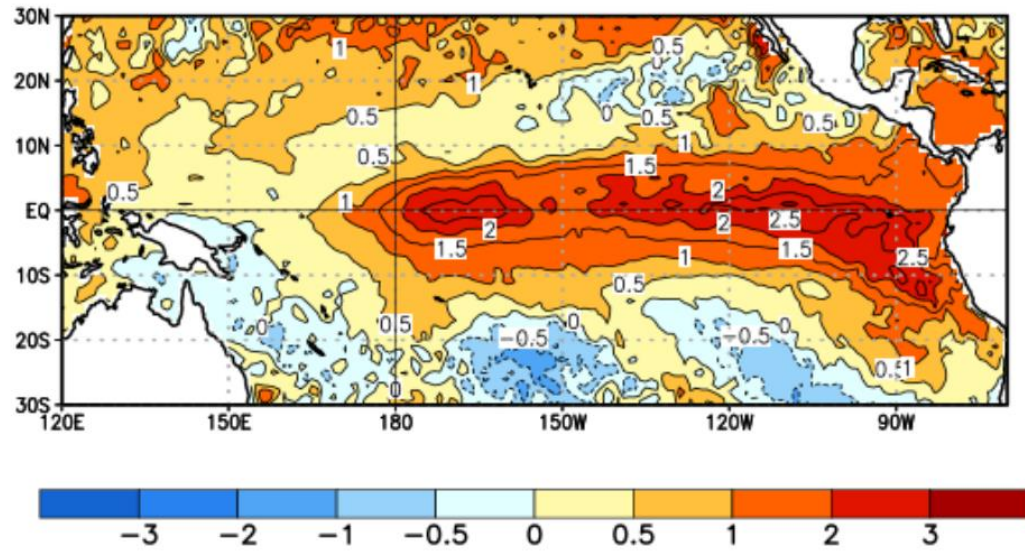


droughtmonitor.unl.edu

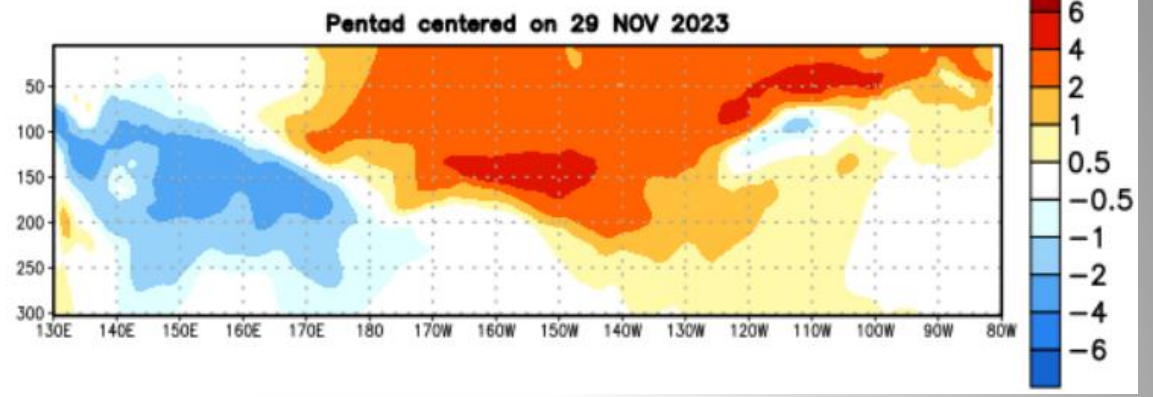
Drought conditions continued across the northeast where little to no precipitation fell during the month of November. Minor improvements were seen across the northwest thanks to a series of winter storms that brought between 0.25" to 2" of beneficial precipitation.



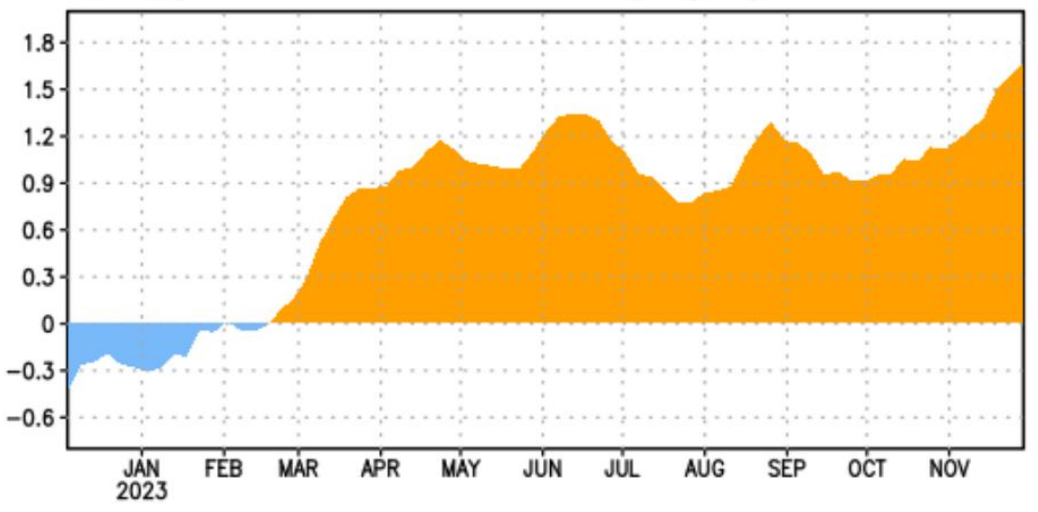
Average SST Anomalies
5 NOV 2023 – 2 DEC 2023



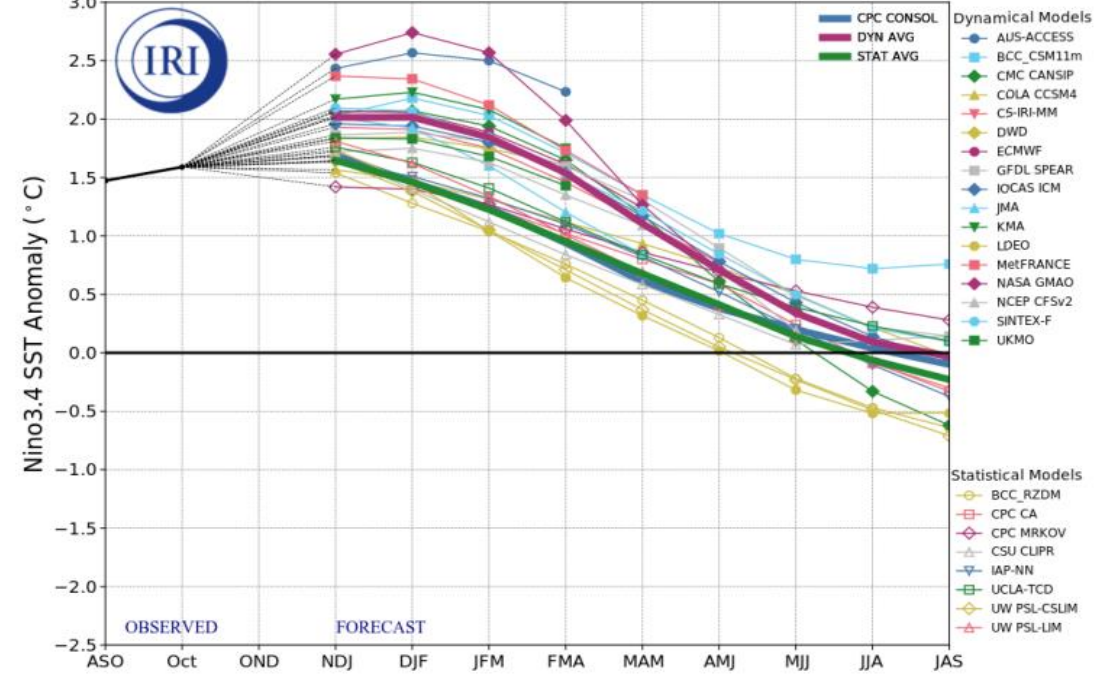
EQ. Subsurface Temperature Anomalies (deg C)



EQ. Upper-Ocean Heat Anoms. (deg C) for 180–100W



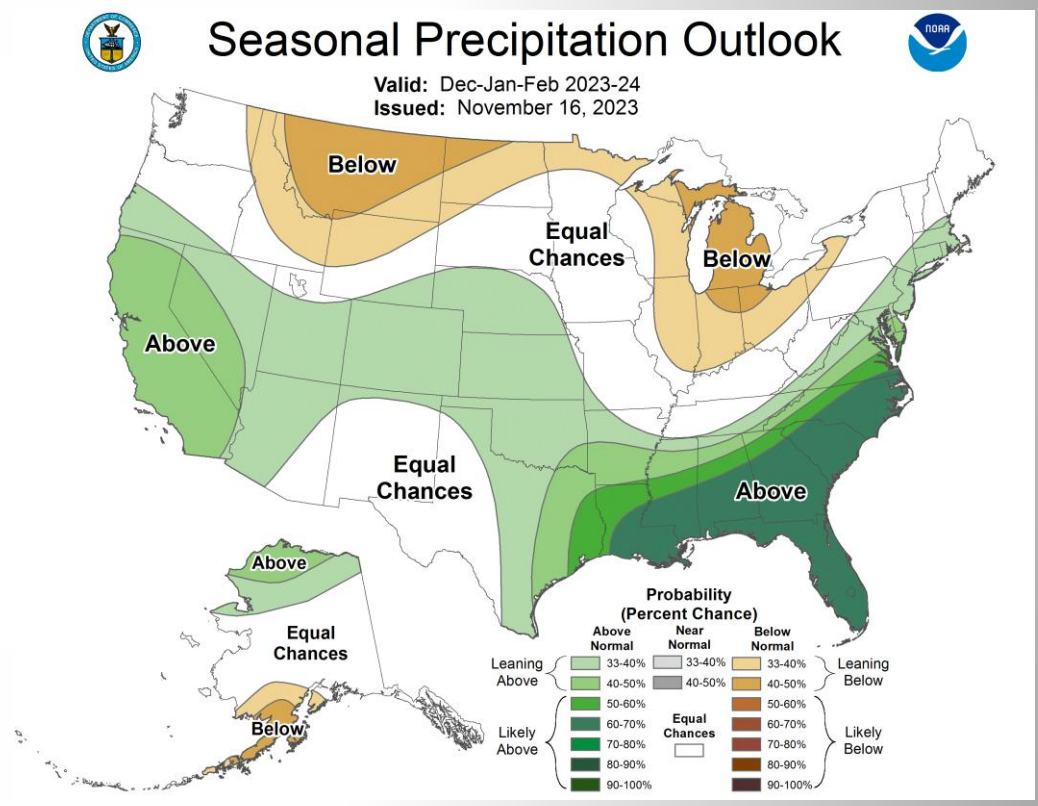
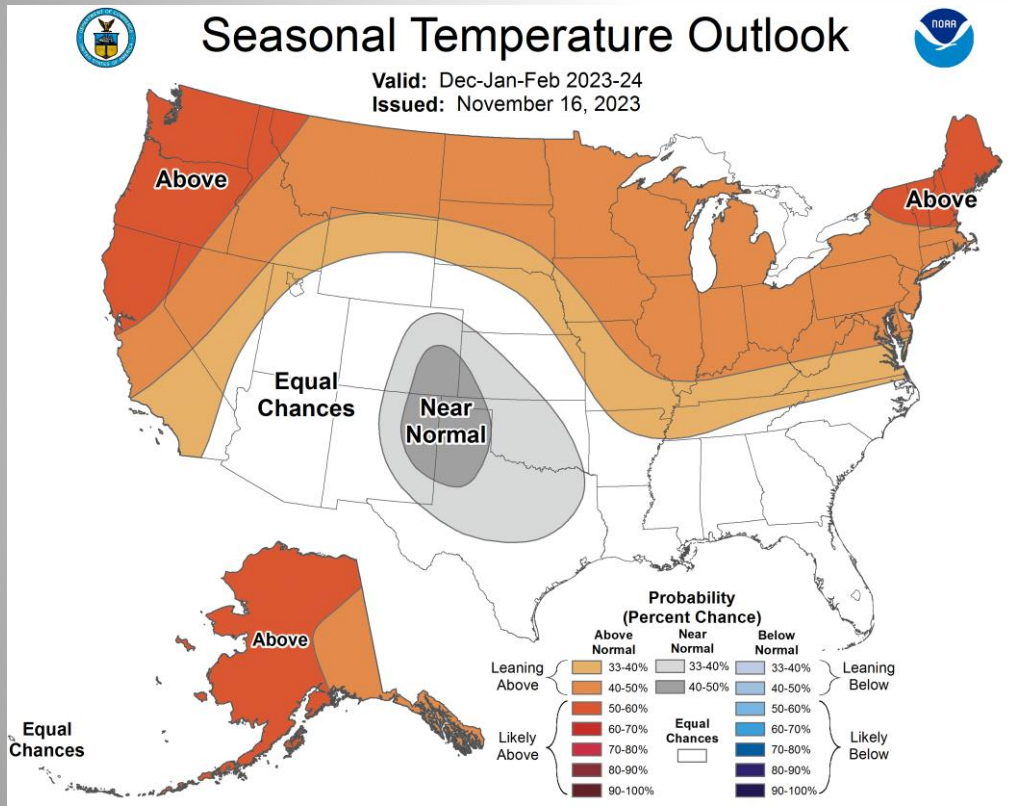
Model Predictions of ENSO from Nov 2023





Temperature
December-January-February

Precipitation
December-January-February



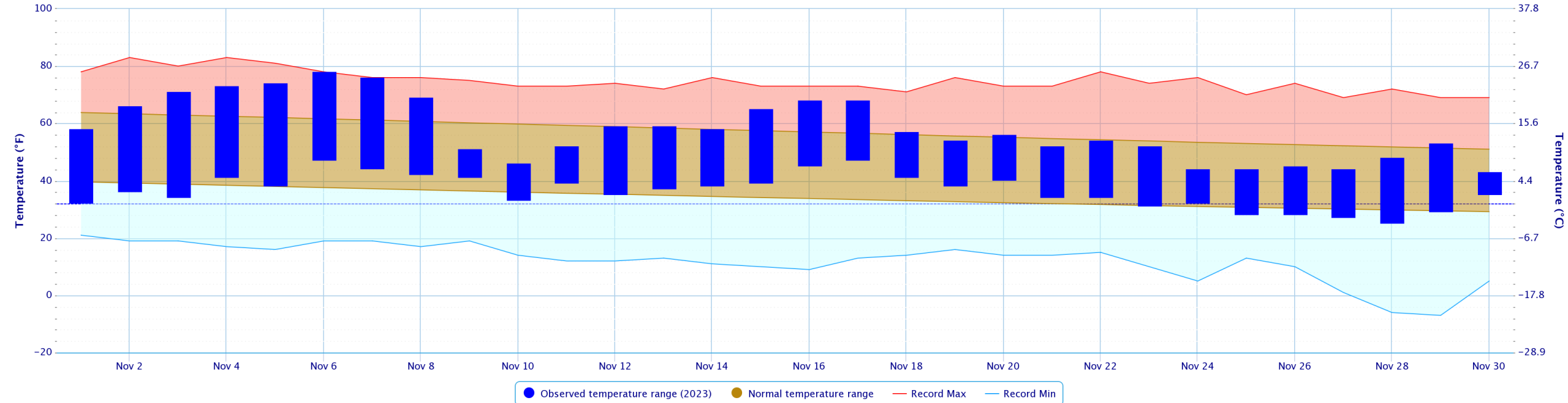
Near normal temperatures and near normal precipitation are favored for most of New Mexico this winter. Northern New Mexico does have a slightly above average chance of precipitation during the next 3 months.



Average Temperature: 47.1 °

Daily Temperature Data – ALBUQUERQUE INTL AP, NM

Period of Record – 1891-12-01 to 2023-12-06. Normals period: 1991-2020. Click and drag to zoom chart.



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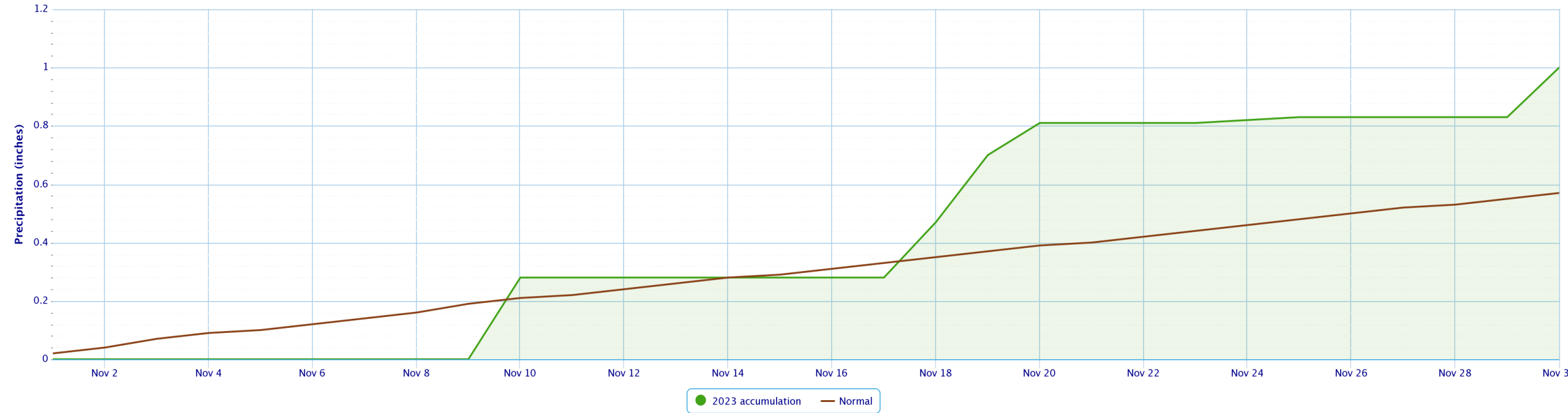
The November 2023 average temperature for Albuquerque was 47.1°, which was 1.4° above the normal of 45.7°. The average maximum temperature for the month was 57.9°. This was 0.6° above the normal average maximum temperature of 57.3°. The average minimum temperature for the month was 36.3°. This was 2.1° above the normal average minimum temperature of 34.1°. This ranked as the 22nd warmest November on record.



Precipitation: 1.00"

Accumulated Precipitation - ALBUQUERQUE INTL AP, NM

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



The November 2023 precipitation for Albuquerque was 1.00", which was 0.43" above the normal of 0.57". This tied as the 15th wettest November on record.

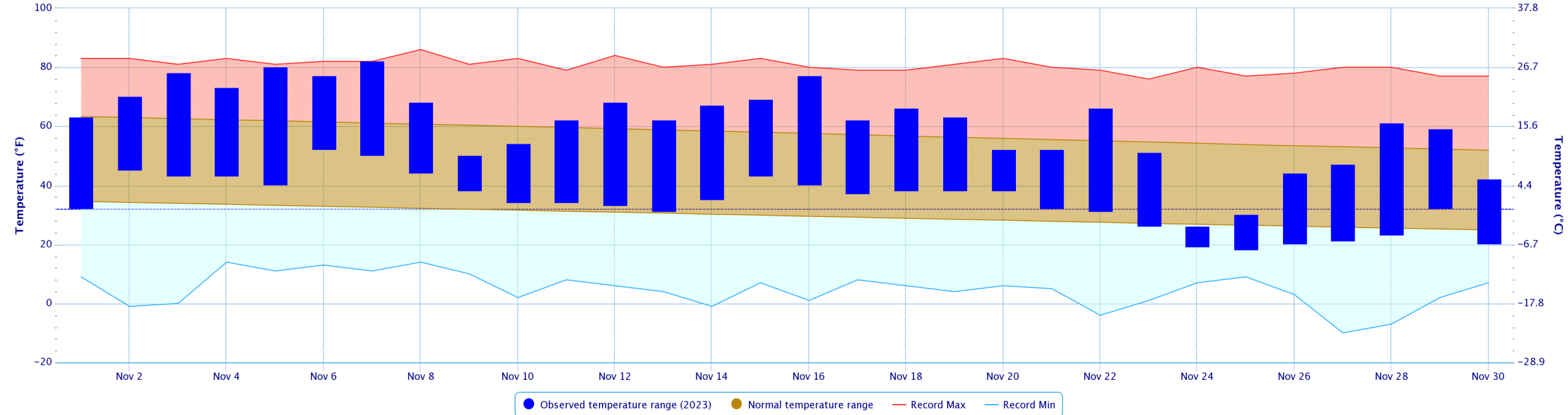
There was 1.0" of snow, compared to the normal of 0.9".



Average Temperature: 47.5°

Daily Temperature Data - Clayton Area, NM (ThreadEx)

Period of Record - 1896-02-01 to 2023-12-06. Normals period: 1991-2020. Click and drag to zoom chart.



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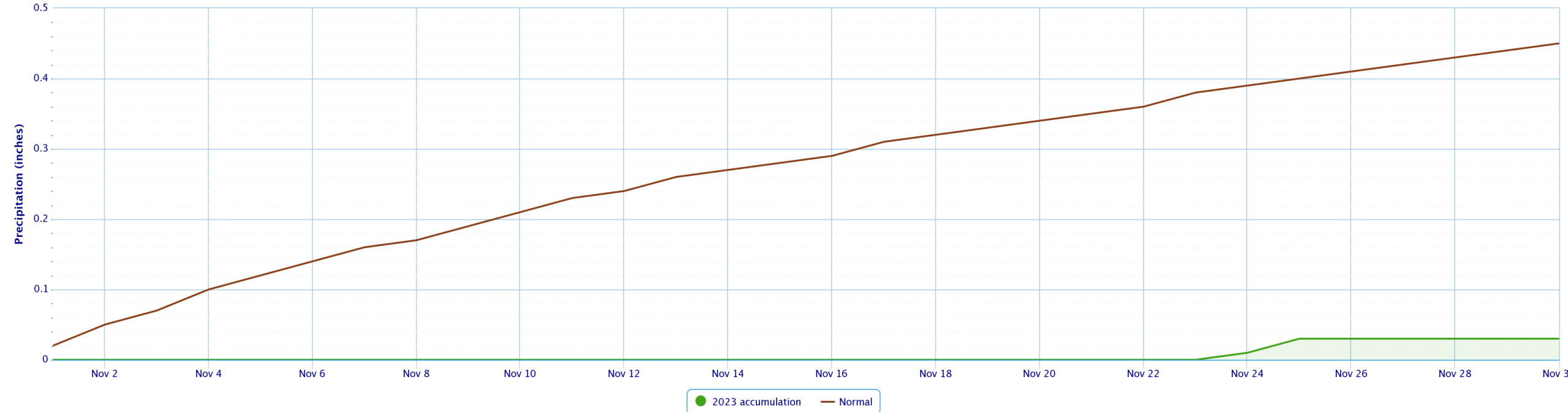
The November 2023 average temperature for Clayton was 47.5°, which was 3.8° above the normal of 43.7°. The average maximum temperature for the month was 60.7°. This was 3.0° above the normal average maximum temperature of 57.7°. The average minimum temperature for the month was 34.3°. This was 4.6° above the normal average minimum temperature of 29.7°. This ranked as the 12th warmest November on record.



Precipitation: 0.03"

Accumulated Precipitation – Clayton Area, NM (ThreadEx)

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



Powered by ACIS

The November 2023 precipitation for Clayton was 0.03", which was 0.42" below the normal of 0.45". This tied as the 23rd driest November on record.

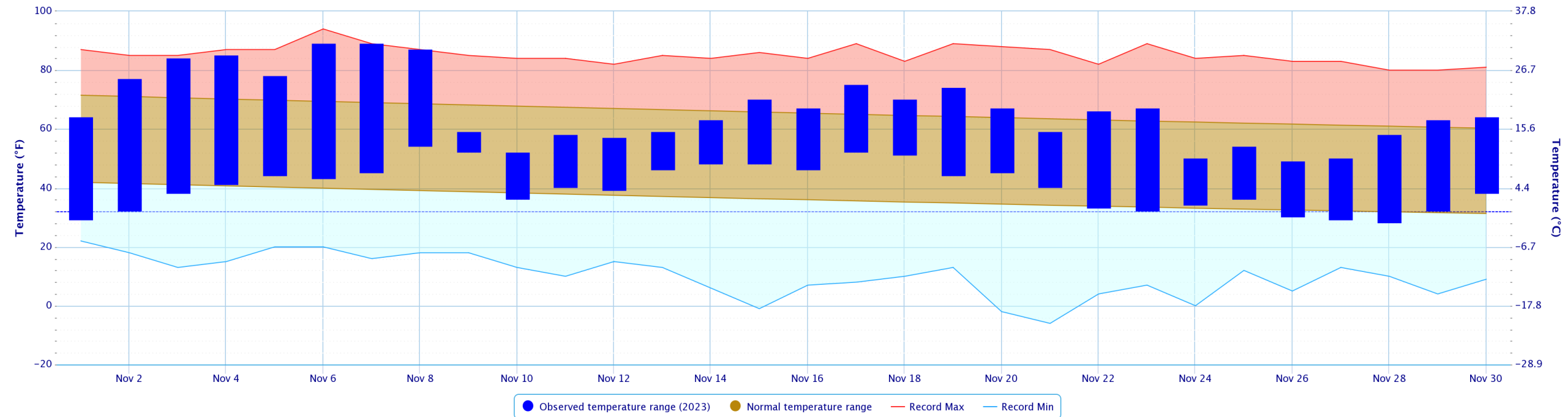
There was 0.5" of snow, compared to the normal of 2.7".



Average Temperature: 53.5°

Daily Temperature Data - Roswell Area, NM (ThreadEx)

Period of Record - Max temperature: 1893-01-03 to 2023-12-06; Min temperature: 1893-01-21 to 2023-12-06. Normals period: 1991-2020. Click and drag to zoom chart.



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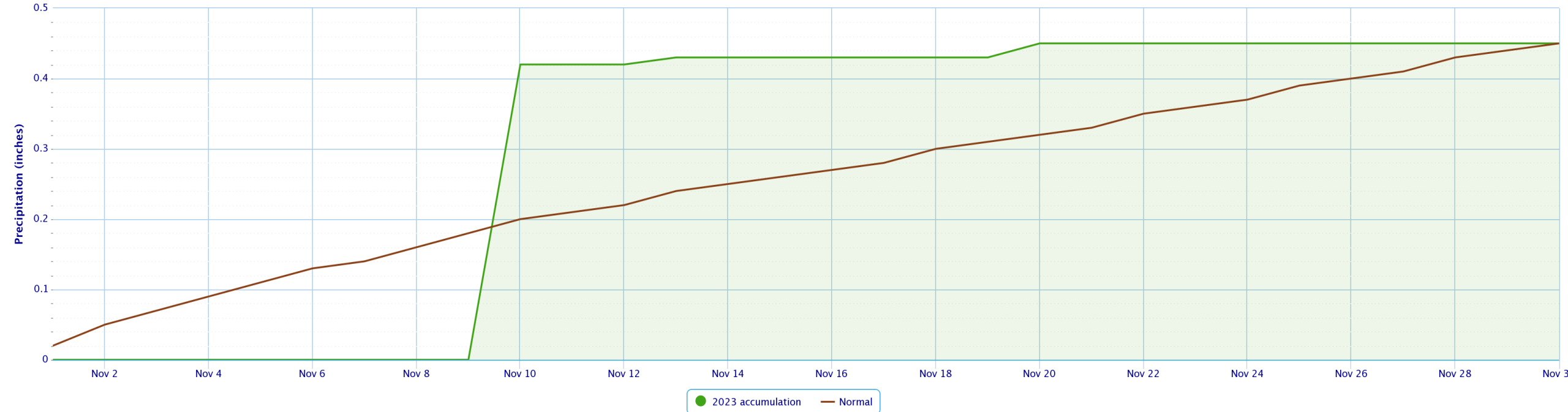
The November 2023 average temperature for Roswell was 53.5°, which was 2.5° above the normal of 51.0°. The average maximum temperature for the month was 66.8°. This was 1.1° above the average maximum temperature of 65.7°. The average minimum temperature for the month was 40.2°. This was 3.9° above the normal average minimum temperature of 36.3°. This ranked as the 8th warmest November on record.



Precipitation: 0.45"

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 November 2023 precipitation for Roswell was 0.45", which was the same as the normal of 0.45". This tied as the 46th wettest November on record.








There was a Trace of snow, compared to the normal of 1.2".



Event Type	Begin Date	County Name	Magnitude	Type	Event Narrative
High Wind	11/20/2023	FAR NORTHEAST HIGHLANDS	55 kt	Gust	The Raton Airport measured a peak wind gust of 63 mph.
Heavy Snow	11/25/2023	FAR NORTHWEST HIGHLANDS			A member of the public reported 6 inches of snow in the town of Dulce. Three inches was also reported near El Vado Lake.
Heavy Snow	11/25/2023	NORTHWEST HIGHLANDS			A CoCoRaHS station in Cuba measured 8.7 inches of snow.
Heavy Snow	11/25/2023	JEMEZ MOUNTAINS			The Vacas Locas SNOTEL measured 11 inches of snow. Other snow amounts ranged from 3 to 7 inches, with 5 to 7 in Los Alamos.
Heavy Snow	11/25/2023	NORTHERN SANGRE DE CRISTO MOUNTAINS			The Taos Pueblo SNOTEL measured 10 inches of snow. Other snow amounts ranged from 6 to 9 inches across the zone.
Heavy Snow	11/25/2023	ESPANOLA VALLEY			A CoCoRaHS station measured 8 inches of snow near Abiquiu Lake.
Heavy Snow	11/25/2023	SANTA FE METRO AREA			Numerous CoCoRaHS observers reported 3 to 5.5 inches of snow within the Santa Fe metro area.
Heavy Snow	11/25/2023	SANDIA/MANZANO MOUNTAINS INCLUDING EDGEWOOD			Numerous CoCoRaHS observers reported 3 to 6 inches of snow within the East Mountain Communities.
Heavy Snow	11/25/2023	ESTANCIA VALLEY			The Moriarty COOP observer reported 5.4 inches of snow in town.
Heavy Snow	11/30/2023	WEST CENTRAL MOUNTAINS			The Cibola County Emergency Manager reported 13 inches of snow just west of Mt. Taylor. Heavy snow lead to impacts to travel along I-40.
Heavy Snow	11/30/2023	JEMEZ MOUNTAINS			A CoCoRaHS observer reported 12.3 inches in the far northwestern corner of the zone by the morning of December 2nd.
Heavy Snow	11/30/2023	SOUTHERN SANGRE DE CRISTO MOUNTAINS			Ski Santa Fe reported 18 inches of snow. SNOTEL sites also reported 10 or 11 inches of snow atop the peaks.
Heavy Snow	11/30/2023	GLORIETA MESA INCLUDING GLORIETA PASS			A CoCoRaHS observer reported 12 inches of snow near Rowe, NM. There was another report of 9.9 inches just east of Glorieta.
Heavy Snow	11/30/2023	SANTA FE METRO AREA			Five to 9.2 inches of snow forced I-25 to closed near Santo Domingo and caused accidents.
Heavy Snow	11/30/2023	SANDIA/MANZANO MOUNTAINS INCLUDING EDGEWOOD			Snow ranging 4 to 8 inches in Sandia Park with higher amounts up to 10.5 inches in the east slopes of the Manzano Mountains.

*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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