

# November 2024 Climate & Weather Summary

Issued: December 13, 2024



**ALBUQUERQUE**  
Weather Forecast Office

November 2024 was another wet month, particularly for the eastern half of the state. Several slow-moving Fall storms impacted the state at the beginning of the month, resulting in a bunch of cool and wet days. Precipitation was mostly rain in lower elevations, but the mountains were piling up the snow. Then, an historical winter storm impacted the state between Nov. 7<sup>th</sup> and Nov. 9<sup>th</sup>, shutting down both major interstates. Several feet of snow fell in the mountains, while the lower elevations received a few inches, including the Albuquerque area. The end of the month was mostly dry, except for some snow showers in the northern mountains around Thanksgiving.



November 8 | Near Edgewood, NM  
Photo courtesy Kim Gipson-Serrano

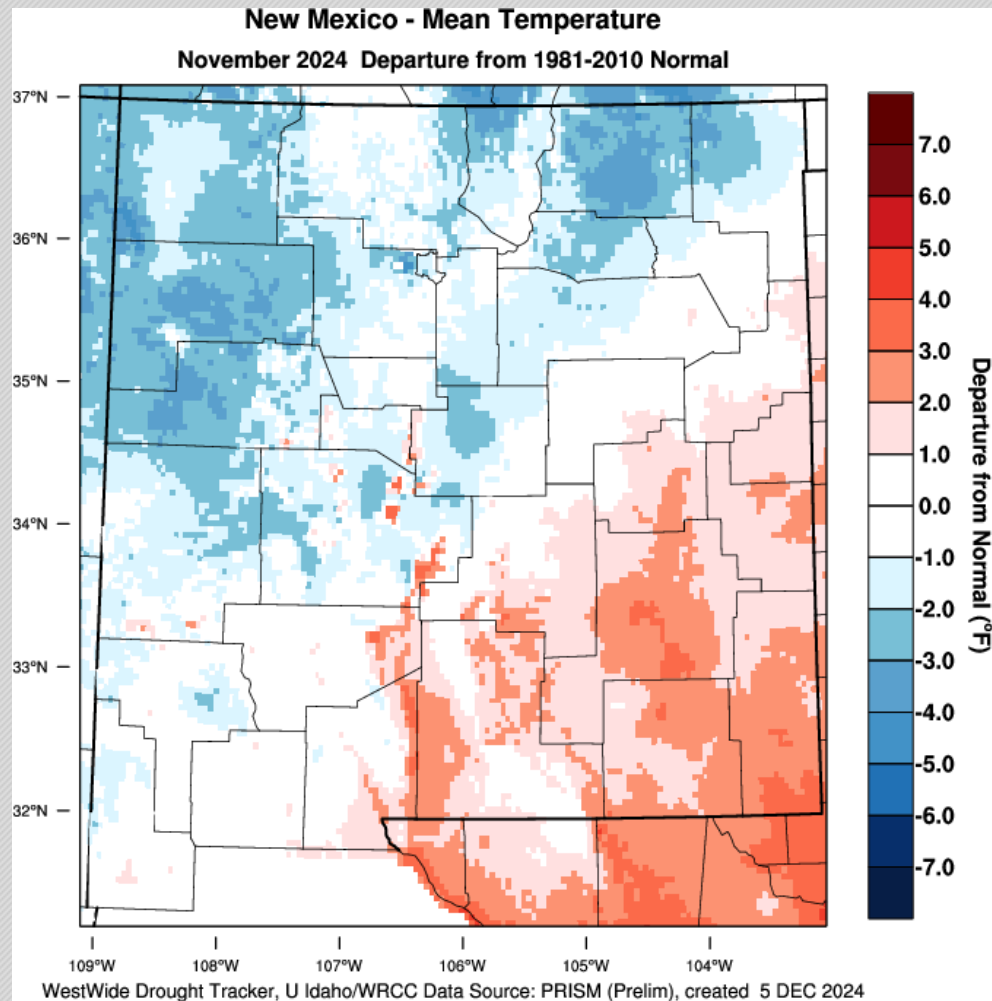


November 8 | I-40 near Clines Corners, NM  
Photo courtesy Rachel Rodriguez

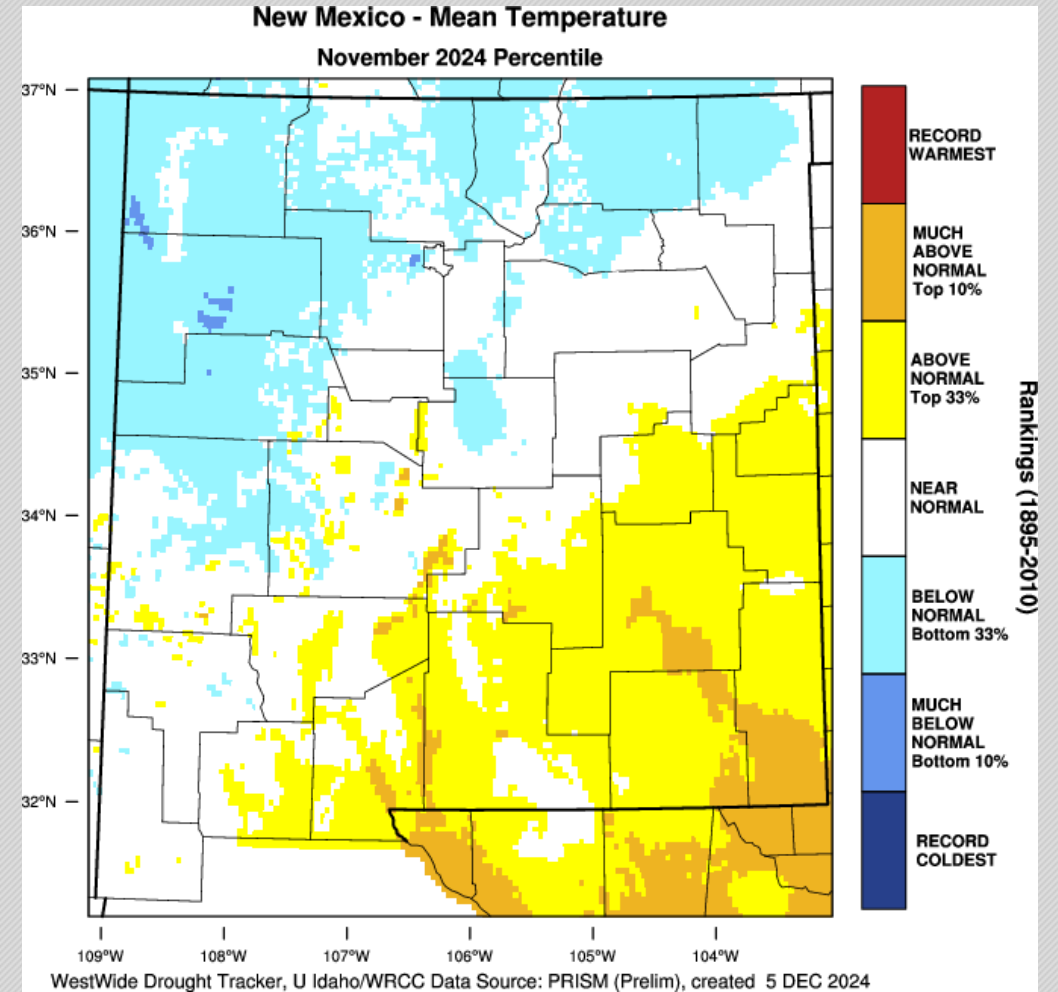


November 7 | Rociada, NM  
Photo courtesy Lena Antencio

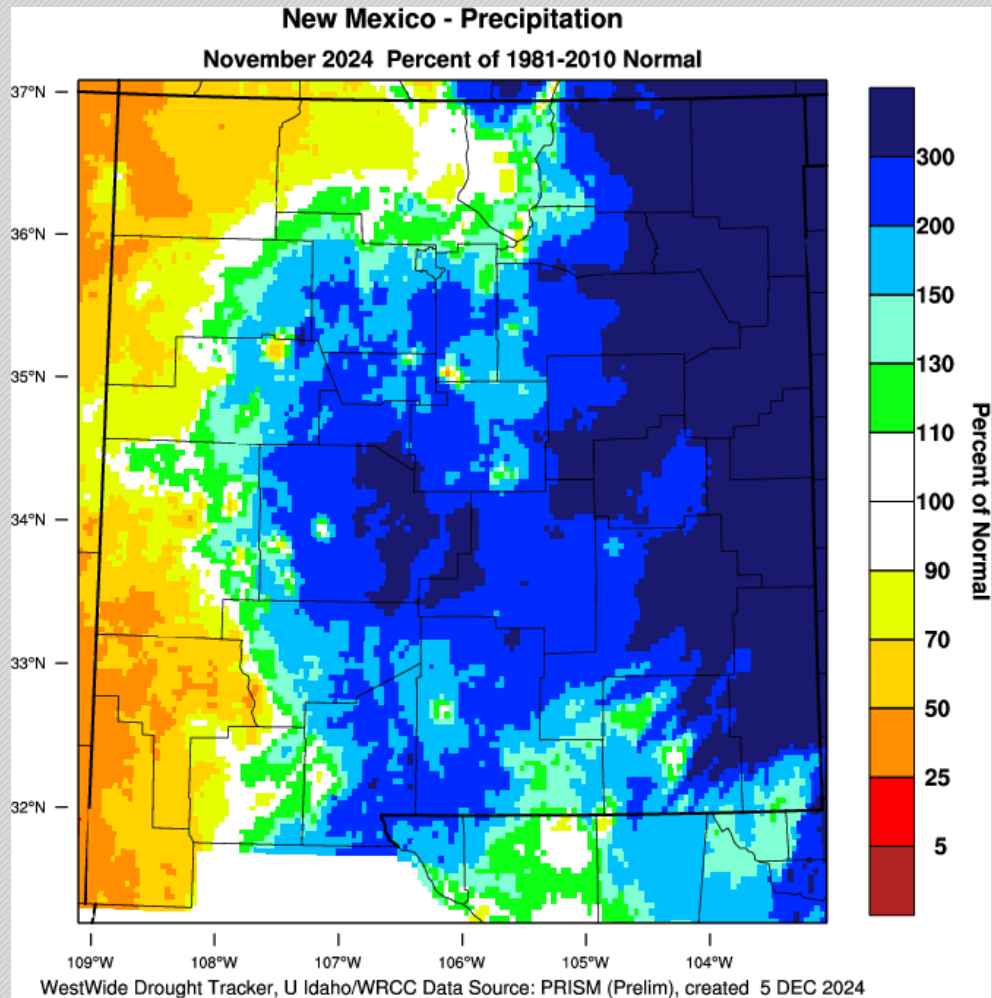
## Anomaly



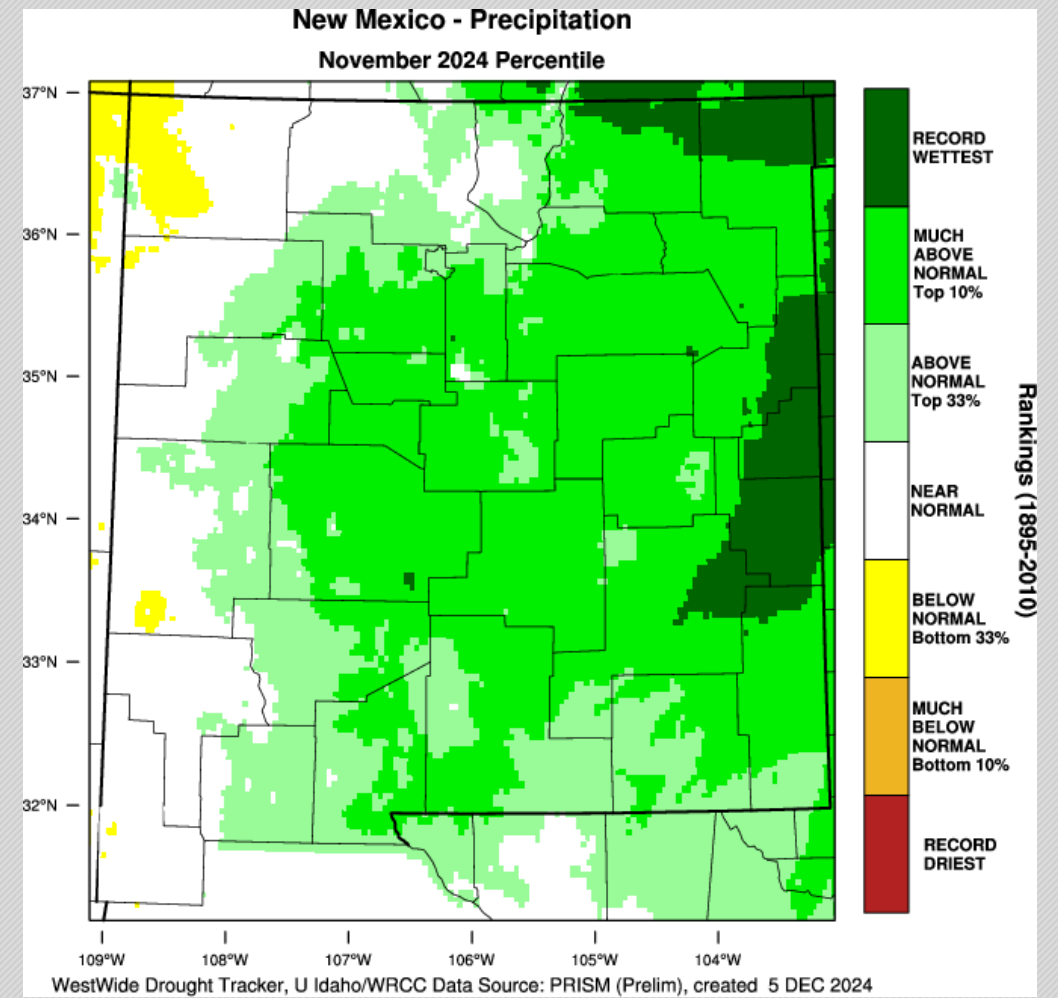
## Percentile



## Anomaly



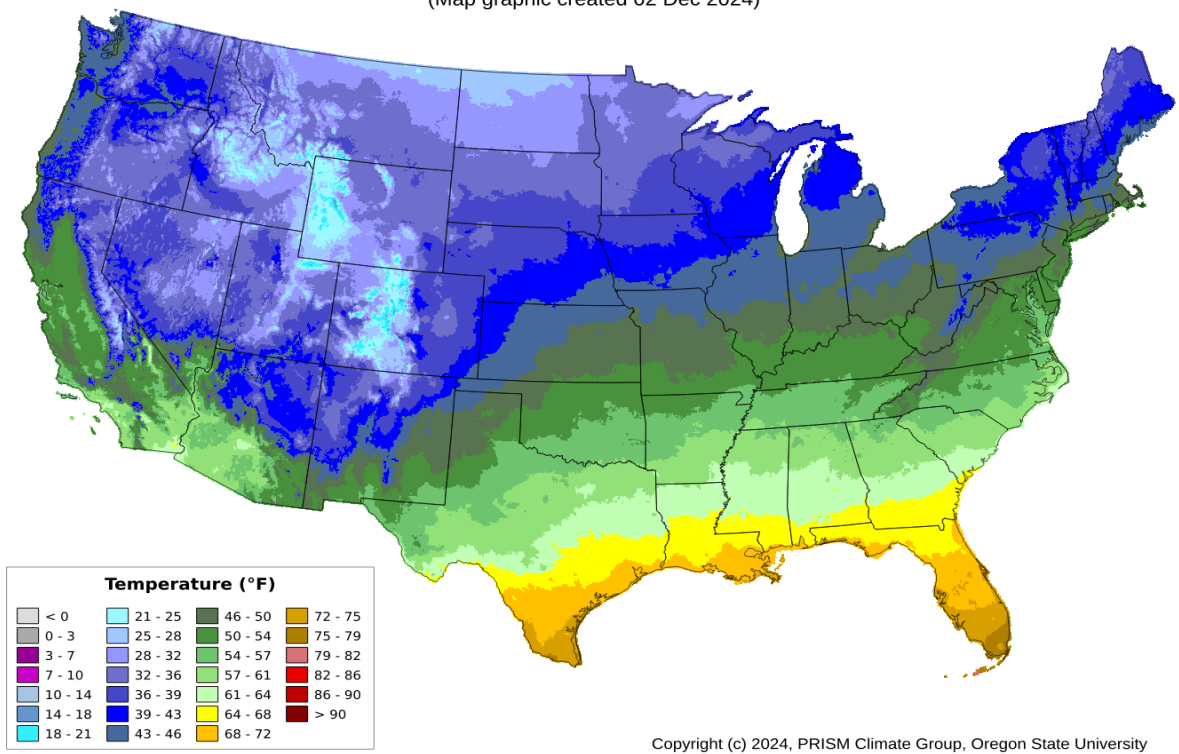
## Percentile





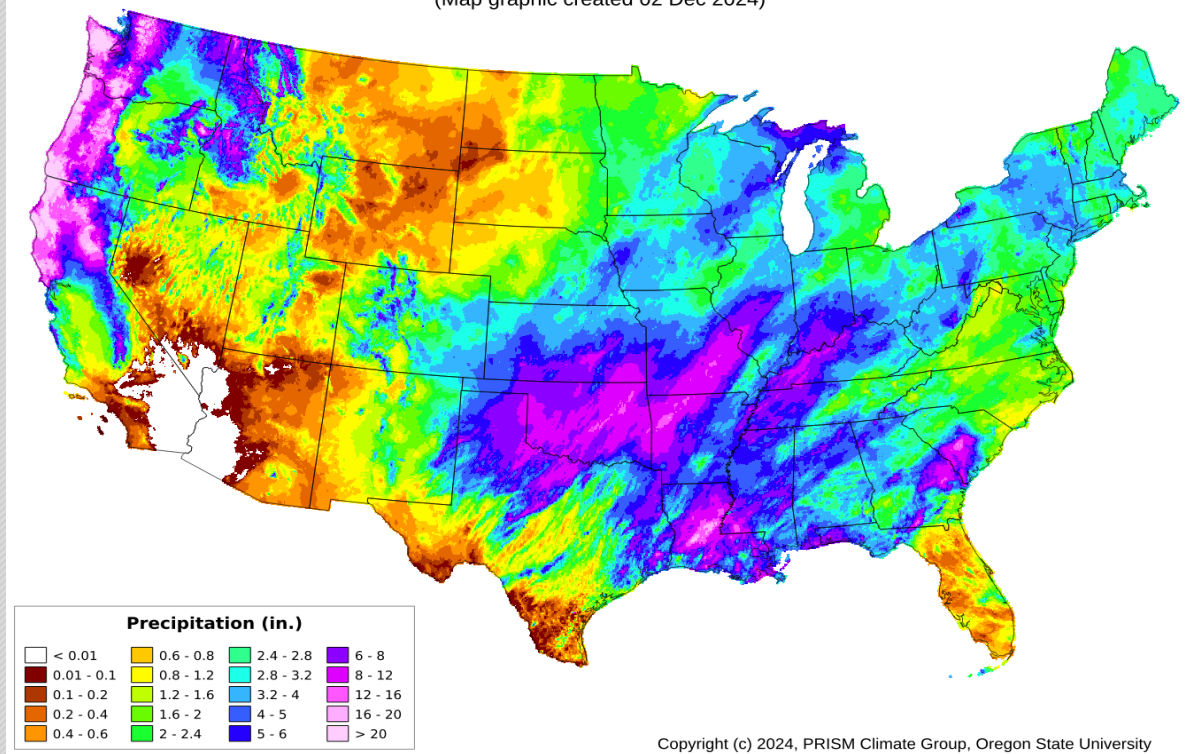
Temperature

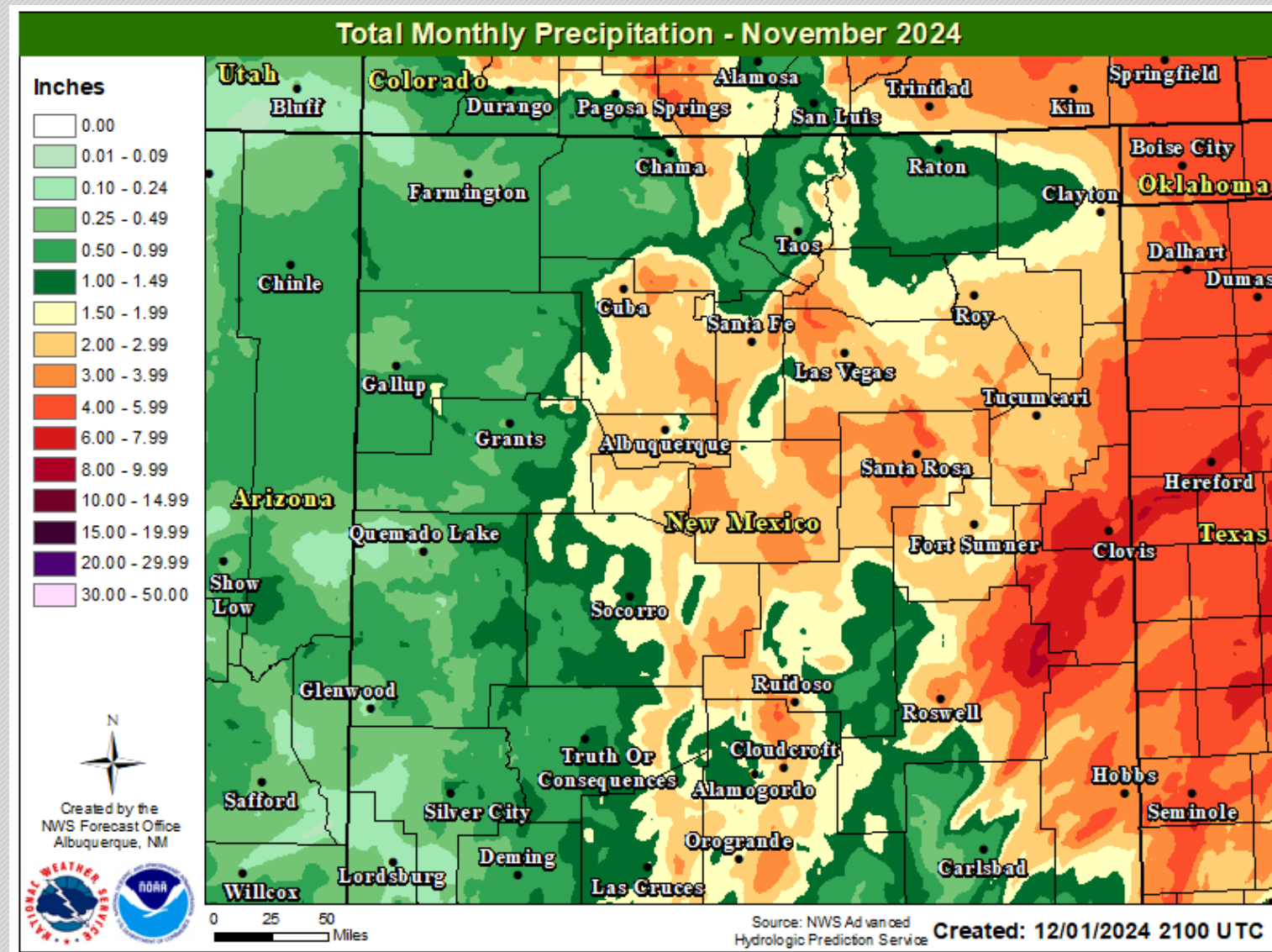
Average Daily Mean Temperature: Nov 2024  
Period ending 7 AM EST 30 Nov 2024  
(Map graphic created 02 Dec 2024)



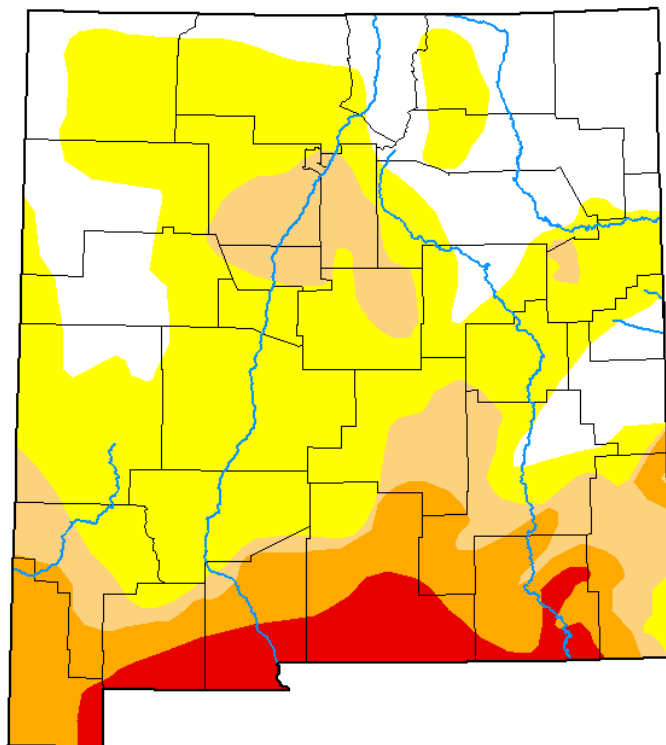
Precipitation

Total Precipitation: Nov 2024  
Period ending 7 AM EST 30 Nov 2024  
(Map graphic created 02 Dec 2024)





## U.S. Drought Monitor New Mexico



**November 5, 2024**  
(Released Thursday, Nov. 7, 2024)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	24.60	75.40	31.64	18.04	6.13	0.00
<b>Last Week</b> 10-29-2024	21.33	78.67	33.32	19.61	6.52	0.00
<b>3 Months Ago</b> 08-06-2024	16.39	83.61	47.65	22.68	7.85	0.00
<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> 10-01-2024	28.35	71.65	34.73	17.54	2.80	0.00
<b>One Year Ago</b> 11-07-2023	0.39	99.61	96.98	84.74	43.62	7.45

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>

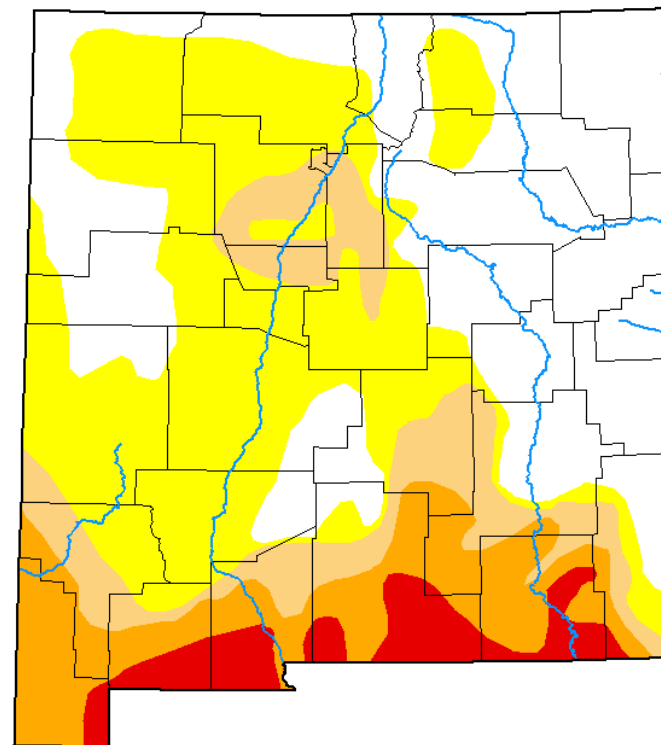
Author:

Brian Fuchs  
National Drought Mitigation Center



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

## U.S. Drought Monitor New Mexico

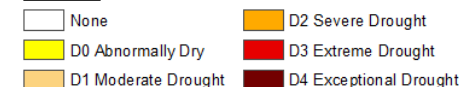


**November 26, 2024**  
(Released Wednesday, Nov. 27, 2024)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	37.86	62.14	27.46	16.25	5.19	0.00
<b>Last Week</b> 11-19-2024	36.15	63.85	27.46	16.00	5.19	0.00
<b>3 Months Ago</b> 08-27-2024	17.78	82.22	45.15	22.48	8.19	0.00
<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> 10-01-2024	28.35	71.65	34.73	17.54	2.80	0.00
<b>One Year Ago</b> 11-28-2023	0.40	99.60	96.75	87.73	43.48	6.48

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:

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Western Regional Climate Center



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

Drought conditions improved in eastern NM during November thanks to abundant rain and snow. Conditions remain largely unchanged in central and western areas.



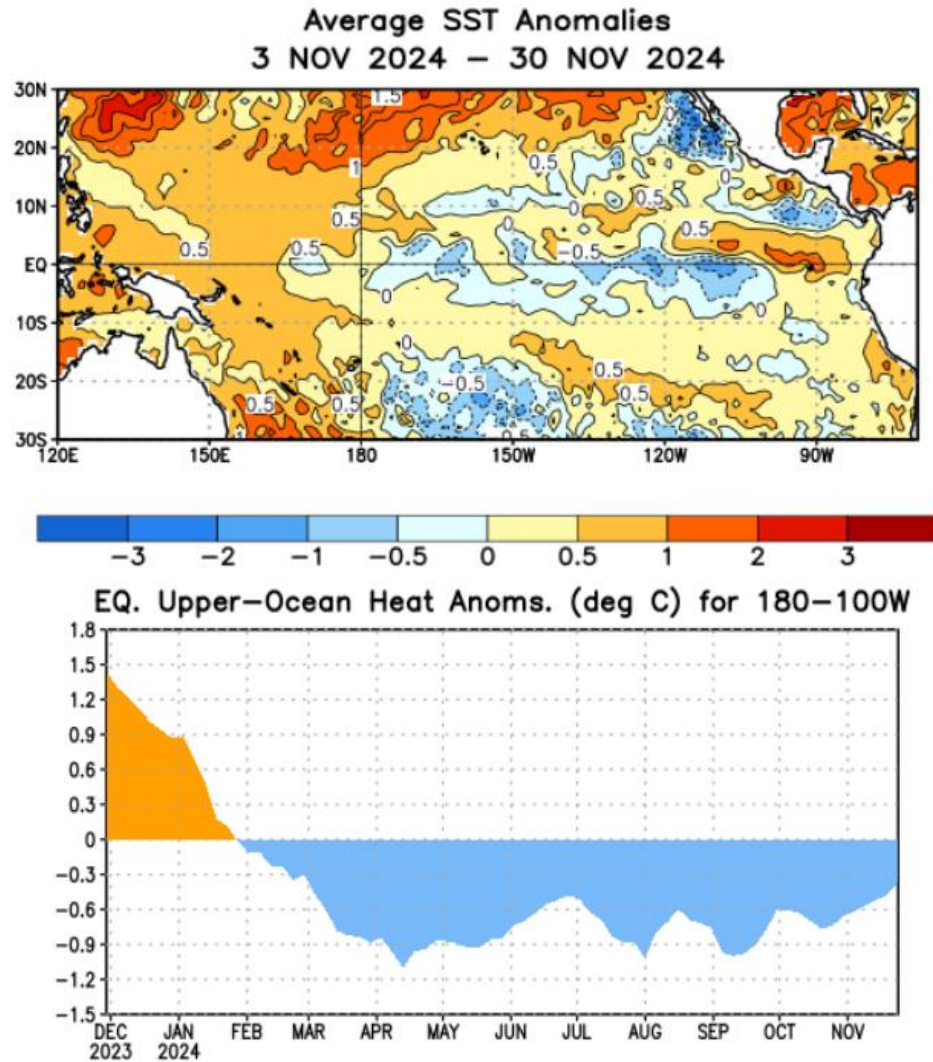


Figure 3. Area-averaged upper-ocean heat content anomaly ( $^{\circ}\text{C}$ ) in the equatorial Pacific ( $5^{\circ}\text{N}$ – $5^{\circ}\text{S}$ ,  $180^{\circ}$ – $100^{\circ}\text{W}$ ). The heat content anomaly is computed as the departure from the 1991–2020 base period pentad means.

### EQ. Subsurface Temperature Anomalies (deg C)

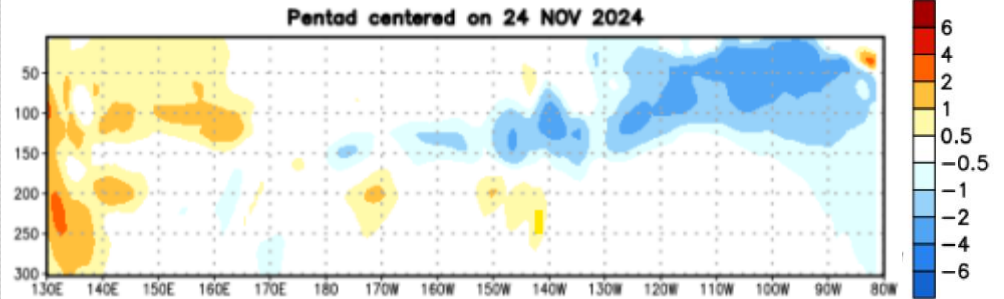


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0–300m) temperature anomalies ( $^{\circ}\text{C}$ ) centered on the pentad of 3 January 2024. Anomalies are departures from the 1991–2020 base period pentad means.

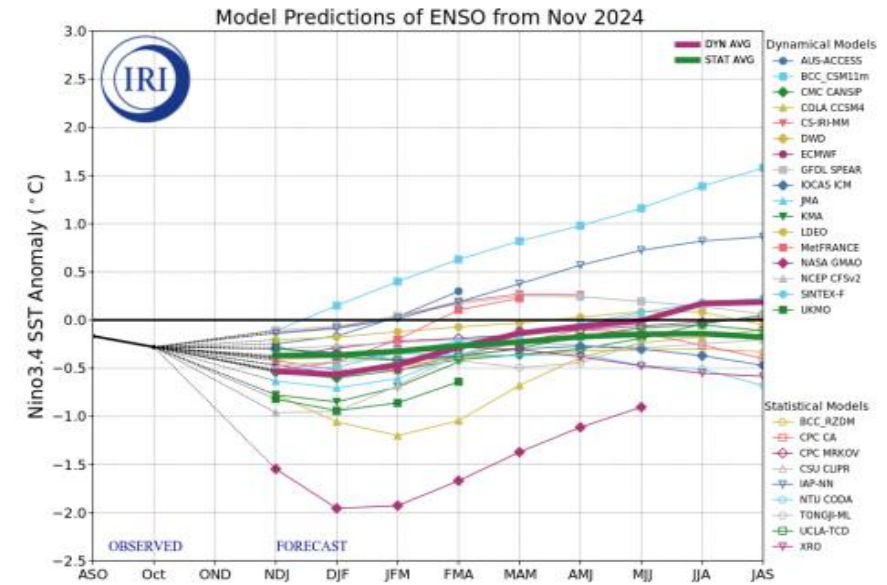
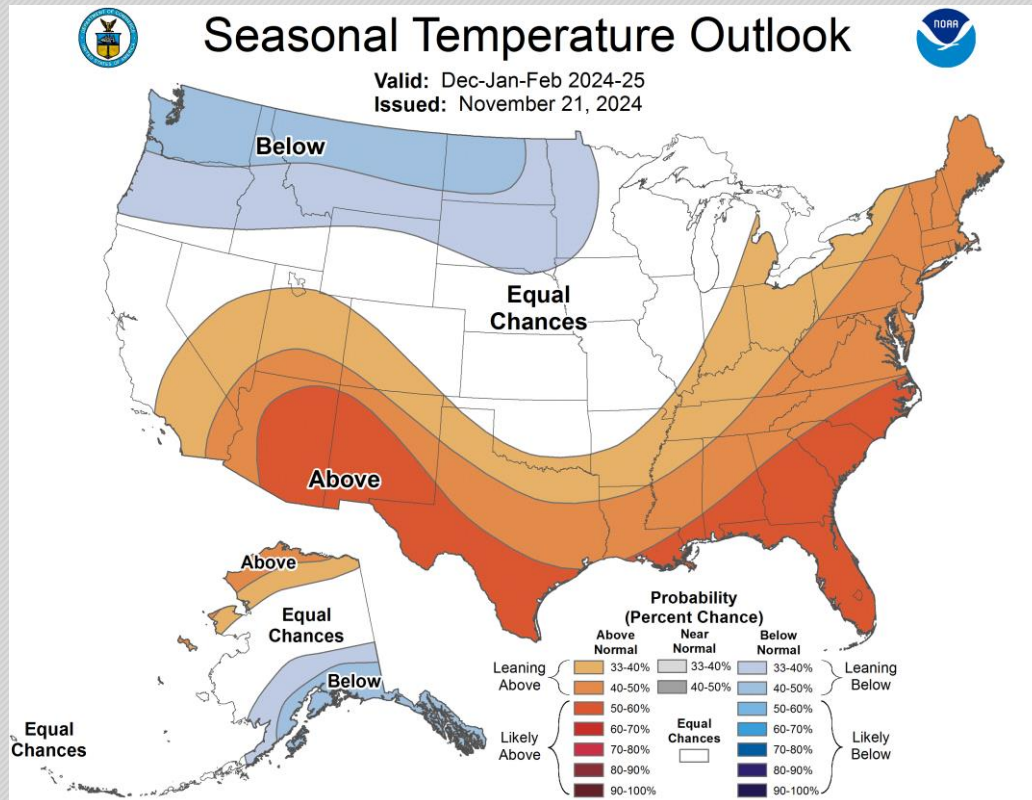
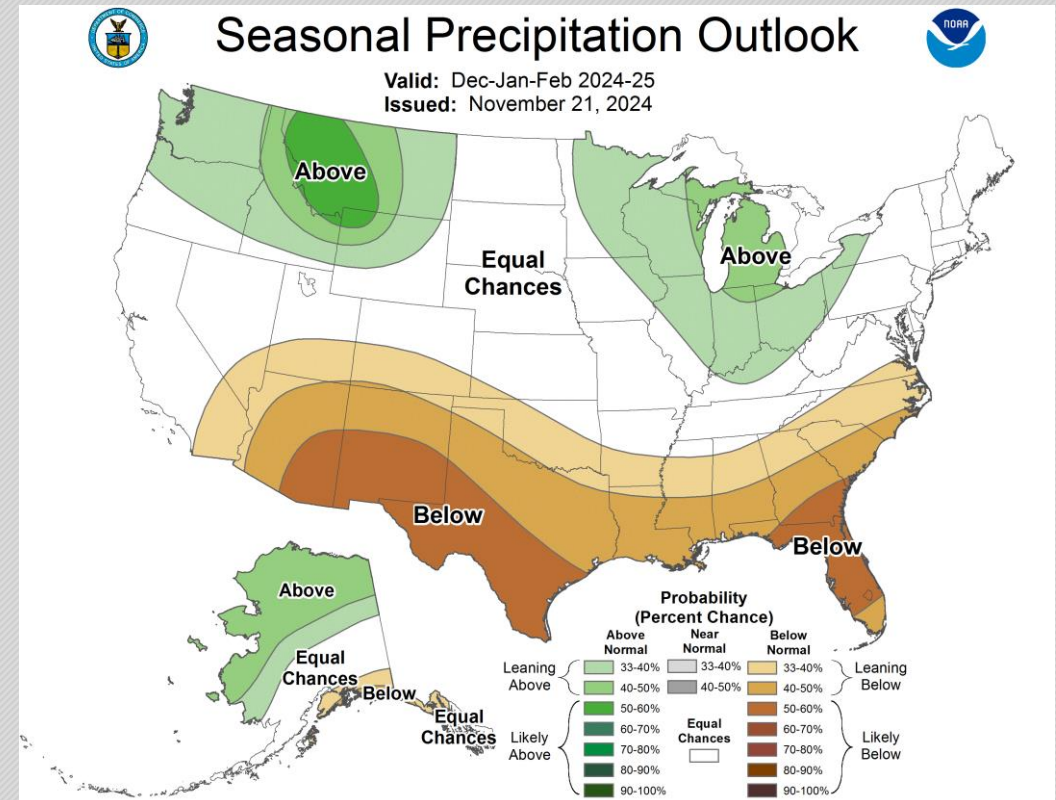


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region ( $5^{\circ}\text{N}$ – $5^{\circ}\text{S}$ ,  $120^{\circ}\text{W}$ – $170^{\circ}\text{W}$ ). Figure updated 19 December 2023 by the International Research Institute (IRI) for Climate and Society.

## Temperature December-January-February



## Precipitation December-January-February



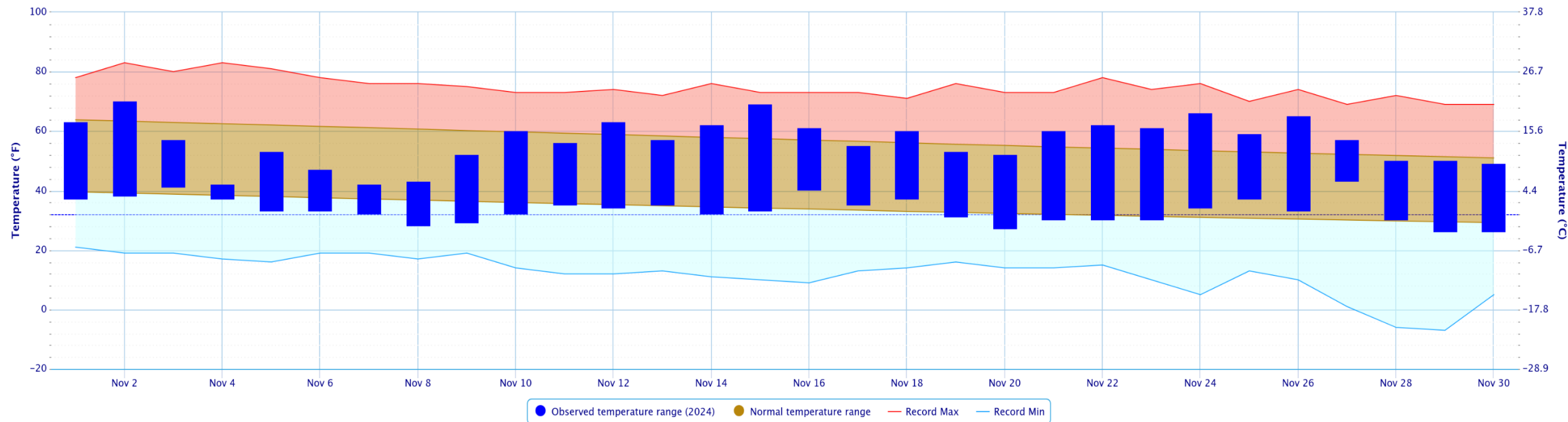
Above average temperatures and below average precipitation are favored for this winter for all of New Mexico, with the highest confidence in southern New Mexico. This temperature/precipitation distribution is common during La Niña winters.



Average Temperature: 44.9°

## Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891–12–01 to 2024–12–04. Normals period: 1991–2020. Click and drag to zoom chart.



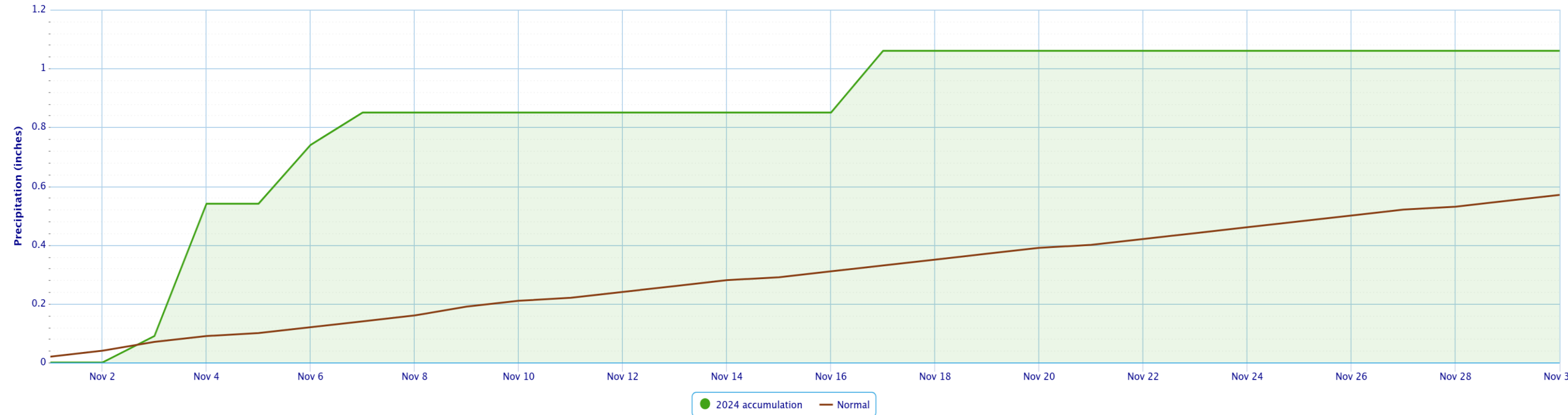
Powered by ACIS

The November 2024 average temperature for Albuquerque was 44.9°, which was 0.8° below the normal of 45.7°. The average maximum temperature for the month was 56.5°. This was 0.8° below the normal average maximum temperature of 57.3°. The average minimum temperature for the month was 33.3°. This was 0.8° below the normal average minimum temperature of 34.1°. This ranked as the 73<sup>rd</sup> coldest November on record.

Precipitation: 1.06"

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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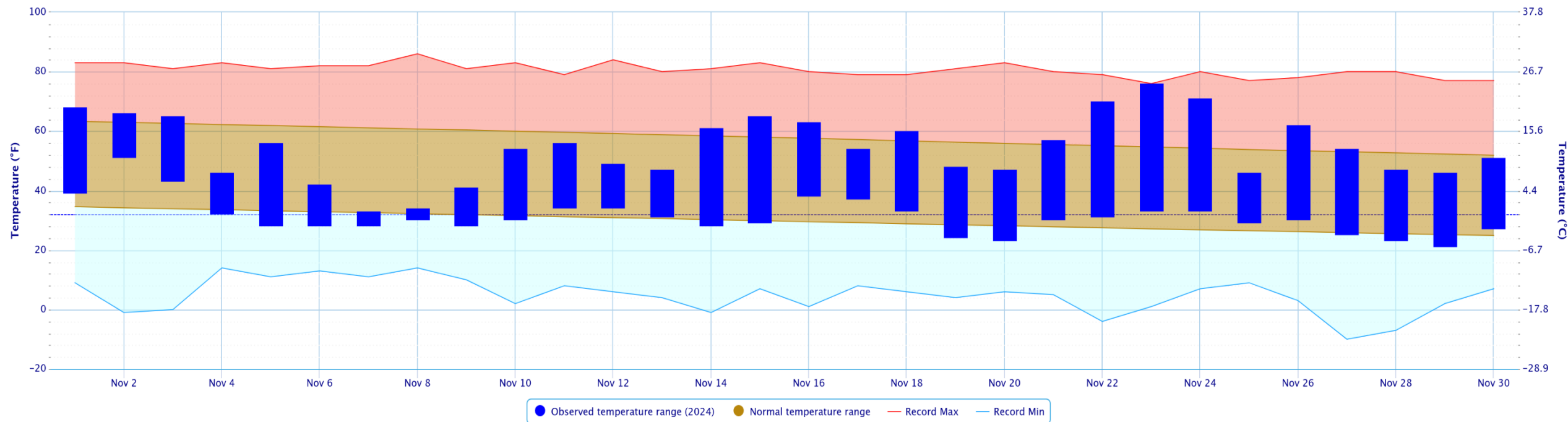
The November 2024 precipitation for Albuquerque was 1.06", which was 0.49" above the normal of 0.57". This ranked as the 13<sup>th</sup> wettest November on record.

There was 0.4" of snow compared to the normal of 0.9".

Average Temperature: 42.8°

## Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2024-12-04. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

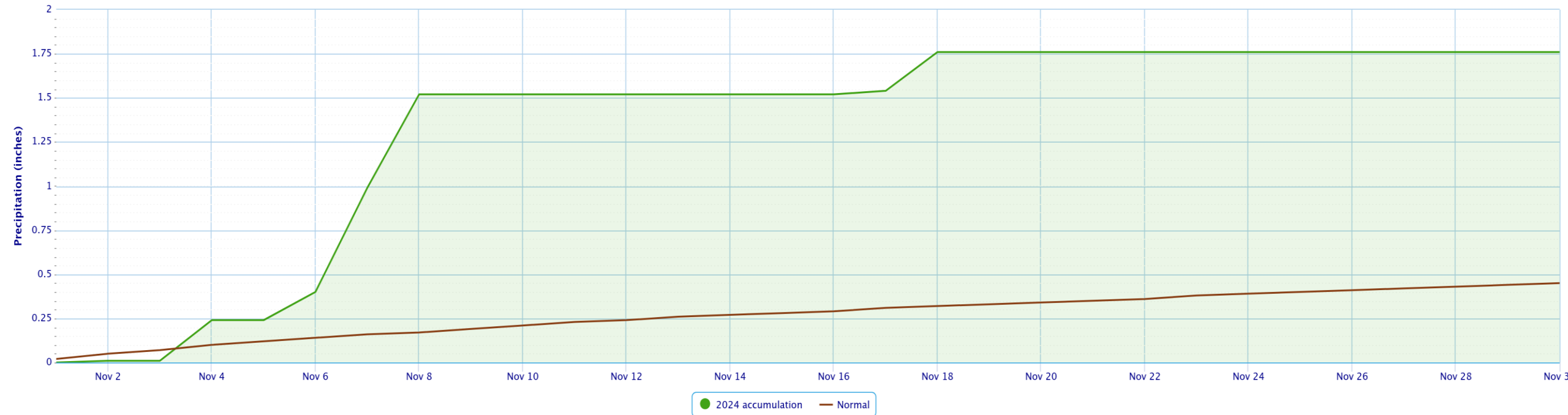
The November 2024 average temperature for Clayton was 42.8°, which was 0.9° below the normal of 43.7°. The average maximum temperature for the month was 54.5°. This was 3.2° below the normal average maximum temperature of 57.7°. The average minimum temperature for the month was 31.0°. This was 1.3° above the normal average minimum temperature of 29.7°. This ranked as the 52<sup>nd</sup> coldest November on record.



Precipitation: 1.76"

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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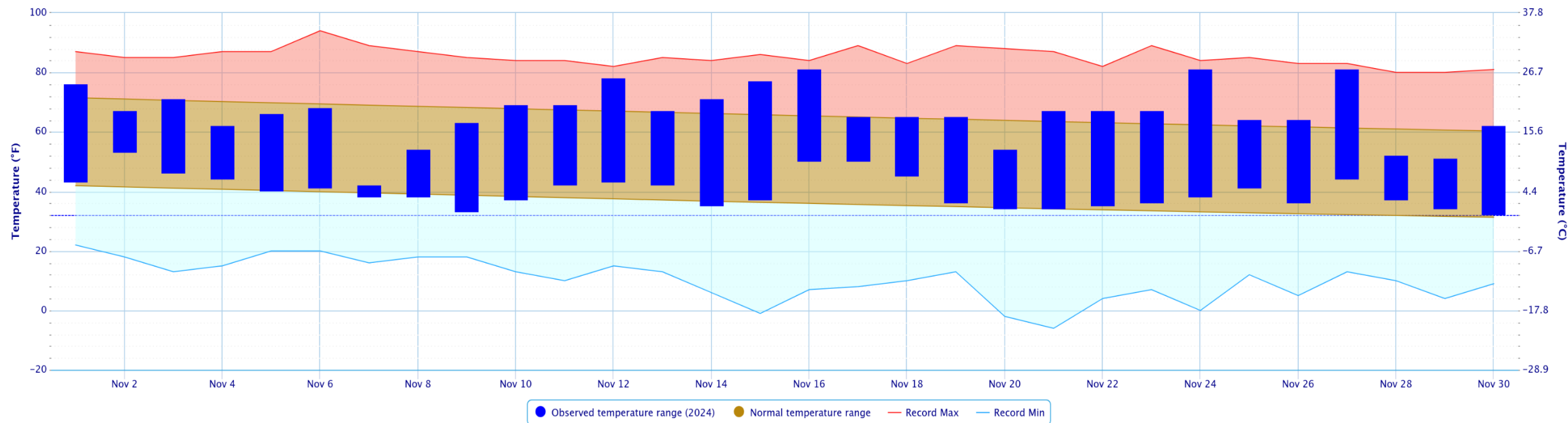
The November 2024 precipitation for Clayton was 1.76", which was 1.31" above the normal of 0.45". This ranked as the 7<sup>th</sup> wettest November on record.

There was 22.9" of snow compared to the normal of 2.7".

Average Temperature: 53.0°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2024-12-04; Min temperature: 1893-01-21 to 2024-12-04. Normals period: 1991-2020. Click and drag to zoom chart.



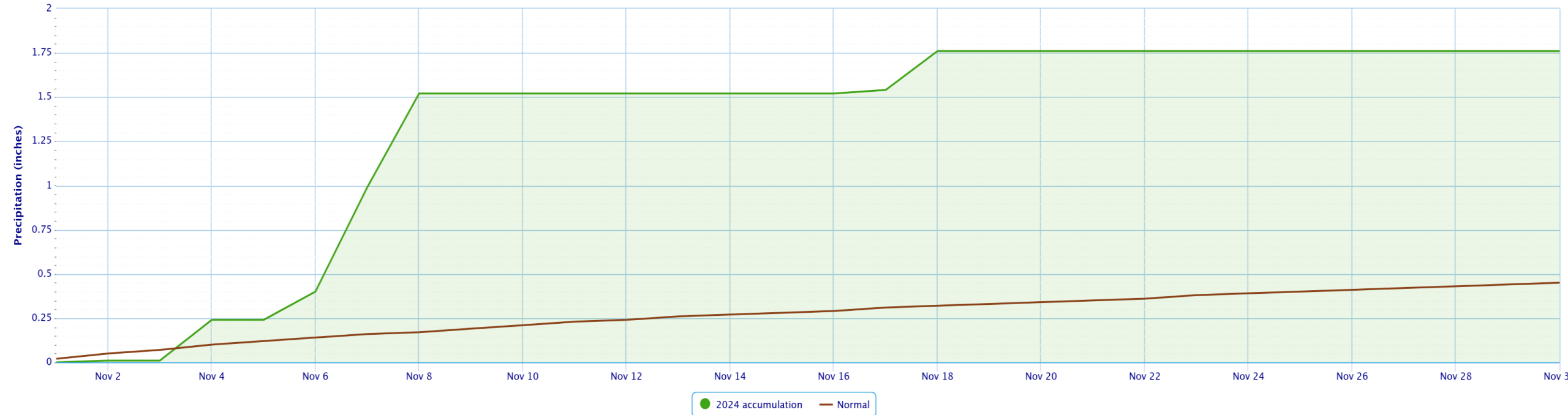
Powered by ACIS

The November 2024 average temperature for Roswell was 53.0°, which was 2.0° above the normal of 51.0°. The average maximum temperature for the month was 66.2°. This was 0.5° above the average maximum temperature of 65.7°. The average minimum temperature for the month was 39.8°. This was 3.5° above the normal average minimum temperature of 36.3°. This ranked as the 14<sup>th</sup> warmest November on record.

Precipitation: 2.79"

## 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 2024 precipitation for Roswell was 2.79", which was 2.34" above the normal of 0.45". This ranked as the 5<sup>th</sup> wettest November on record.

There was 0.0" of snow compared to the normal of 1.2".





Event Type	Begin Date	County Name	Magnitude	Type	Event Narrative
Hail	11/2/2024	CURRY	1"		Lots of hail up to quarter size covering the ground in Melrose.
Flash Flood	11/2/2024	CHAVES			U.S. Hwy 285 and NM 2 in and around Dexter flooded.
Flash Flood	11/2/2024	CHAVES			Video shows the water flowing over Bottomless Lakes Road north of Bottomless Lakes State Park. The road was closed due to being impassible from the floodwaters.
Flash Flood	11/2/2024	ROOSEVELT			A trained spotter reported bar ditches full of water from heavy rainfall, and State Highway 267 (Floyd Highway) had several places covered in 6 to 12 inches of water. However, the road still remained passable.
Flash Flood	11/2/2024	CHAVES			Water from Walnut Creek overflowed onto State Road 2, resulting in the closure of the roadway.
Flood	11/2/2024	CHAVES			Flooding of crop fields and area highways across southern Chaves, between Midway and Lake Arthur, continued for the rest of the calendar day.
Heavy Snow	11/4/2024	SOUTHERN SANGRE DE CRISTO MOUNTAINS	11"		The Rio Barbara SNOTEL recorded an estimated 11 inches of snow.
Heavy Snow	11/4/2024	EAST SLOPES SANGRE DE CRISTO MOUNTAINS	13"		The Tolby SNOTEL recorded an estimated 13 inches of snow. There was a report of power outages in Sapello, NM.
Heavy Snow	11/4/2024	JOHNSON AND BARTLETT MESAS INCLUDING RATON PASS			Heavy snow and winter impacts forced the closure of I-25 at Raton Pass.
Heavy Snow	11/7/2024	NORTHWEST PLATEAU	6"		A CoCoRaHS observer measured 6 inches of snow in Aztec.
Heavy Snow	11/6/2024	NORTHWEST HIGHLANDS	8"		A COOP observer in Torreon Navajo measured 8 inches of snow. Several snowfall reports of 4 inches were observed across the rest of the zone.
Heavy Snow	11/7/2024	WEST CENTRAL MOUNTAINS	7"		An estimated seven inches of snow was observed at the Rice Park SNOTEL with several reports of up to 6 inches across the rest of the zone. A multi-vehicle crash was observed on I-40 between Gallup and Thoreau.
Heavy Snow	11/6/2024	WEST CENTRAL HIGHLANDS	11.6"		A CoCoRaHS observer in Grants measured 11.6 inches of snow.
Heavy Snow	11/6/2024	TUSAS MOUNTAINS INCLUDING CHAMA	18"		An estimated 18 inches of snow was observed at the Hopewell SNOTEL. Additionally, snowfall estimates of 10 and 17 inches, respectively, were observed at the Bateman and San Antonio SNOTEL sites.
Heavy Snow	11/6/2024	JEMEZ MOUNTAINS	29"		Pajarito Ski Resort observed 29 inches of snow. One to two feet of snow was estimated or measured from SNOTEL sites and CoCoRaHS observers elsewhere in the zone.
Heavy Snow	11/6/2024	GLORIETA MESA INCLUDING GLORIETA PASS	13.3"		CoCoRaHS observers in Glorieta and Pecos measured 13.3 inches of snow. Additionally, the snow resulted in the closure of I-25 at Glorieta Pass.
Heavy Snow	11/6/2024	NORTHERN SANGRE DE CRISTO MOUNTAINS	22"		An estimated 22 inches of snow was observed at the Taos Powderhorn SNOTEL. Ski resorts and SNOTEL sites in the zone observed between 1 to 2 feet of snow.
Heavy Snow	11/6/2024	SOUTHERN SANGRE DE CRISTO MOUNTAINS	27"		Ski Santa Fe observed 27 inches of snow. SNOTEL sites in the zone observed 1 to 2 feet of snow.
Heavy Snow	11/6/2024	EAST SLOPES SANGRE DE CRISTO MOUNTAINS	40"		Angel Fire Ski Resort observed 40 inches of snow. CoCoRaHS observers and SNOTEL sites generally observed between 1 to 2.5 feet of snow.
Heavy Snow	11/6/2024	UPPER RIO GRANDE VALLEY	10.5"		A CoCoRaHS observer in Arroyo Hondo observed 10.5 inches of snow. Elsewhere in the zone, generally 3 to 5 inches of snow was observed in Taos.
Heavy Snow	11/6/2024	ESPANOLA VALLEY	12"		A CoCoRaHS observer at Abiquiu observed 12 inches of snow. Elsewhere in the zone, 8 inches of snow was observed at Abiquiu Reservoir and 3 to 6 inches of snow was observed at Espanola.
Heavy Snow	11/6/2024	SANTA FE METRO AREA	14.5"		A CoCoRaHS observer in the Eldorado community of Santa Fe observed 14.5 inches of snow. Generally, 9 to 12 inches of snow was observed in Santa Fe.
Heavy Snow	11/6/2024	MIDDLE RIO GRANDE VALLEY/ALBUQUERQUE METRO AREA	8"		CoCoRaHS observers in Rio Rancho and Bernalillo observed 8 inches of snow.
Heavy Snow	11/6/2024	SANDIA/MANZANO MOUNTAINS INCLUDING EDGEWOOD	24"		A CoCoRaHS observer measured 24 inches of snow near Golden north of Edgewood. Massive backup on I-40 that stretched into this zone, stuck for over 12 hours to as long as a day and half in the most severe cases.
Heavy Snow	11/6/2024	ESTANCIA VALLEY	28"		A CoCoRaHS observer just WSW of Estancia measured 28 inches of snow. Massive backup on I-40 that stretched across this zone, stuck for over 12 hours to as long as a day and half in the most severe cases.
Heavy Snow	11/6/2024	CENTRAL HIGHLANDS	14"		A CoCoRaHS observer a few miles west of Vaughn measured 14 inches of snow. Massive backup on I-40 that stretched across this zone, stuck for over 12 hours to as long as a day and half in the most severe cases.
Heavy Snow	11/6/2024	SOUTH CENTRAL HIGHLANDS	18"		A trained spotter near Corona observed 18 inches of snow.
Heavy Snow	11/6/2024	SOUTH CENTRAL MOUNTAINS	12"		An estimated 12 inches of snow was estimated at the Sierra Blanca SNOTEL site. Generally, 4 to 8 inches of snow was observed in Ruidoso, Alto, and Sierra Blanca Regional Airport.
Heavy Snow	11/6/2024	JOHNSON AND BARTLETT MESAS INCLUDING RATON PASS	26.1"		The COOP observer in Capulin measured 26.1 inches of snow. Heavy blowing snow and near whiteout conditions at times resulted in the closure of I-25 at Raton Pass.

\*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	Begin Date	County Name	Magnitude	Type	Event Narrative
Heavy Snow	11/6/2024	FAR NORTHEAST HIGHLANDS	26"		A trained spotter in Cimmaron observed 26 inches of snow. Generally, 18 to 24 inches of snow was observed in the zone.
Heavy Snow	11/6/2024	NORTHEAST HIGHLANDS	31.7"		A CoCoRaHS observer in Las Vegas measured 31.7 inches of snow. This set a new 3 day snowfall record for the month of November in Las Vegas.
Heavy Snow	11/6/2024	UNION COUNTY	29"		29 inches of snow was observed in far northern Union County near the Colorado border. Additionally, in Clayton and central Union County, around 19 to 22 inches of snow was observed.
Heavy Snow	11/6/2024	HARDING COUNTY	24"		A trained spotter in Roy observed 24 inches of snow. Heavy snow and poor visibility resulted in the closure on State Highway 39 in the county.
Heavy Snow	11/6/2024	EASTERN SAN MIGUEL COUNTY	6.2"		A CoCoRaHS observer a few miles south of Mosquero observed 6.2 inches of snow.
Heavy Snow	11/6/2024	GUADALUPE COUNTY	8"		The emergency manager in Santa Rosa reported 8 inches of snow. Additionally, a trained spotter along I-40 in far northwest Guadalupe County reported 7 inches of snow.
Winter Weather	11/7/2024	QUAY COUNTY	2.5"		A trained spotter near Montoya in western Quay County reported 2.5 inches of snow. Massive backup on I-40 that stretched and started in the zone at mile marker 330.
Heavy Snow	11/6/2024	SAN AGUSTIN PLAINS AND ADJACENT LOWLANDS	5"		A CoCoRaHS observer on the north slopes of the Magdalena Mountains observed 5 inches of snow. Additionally, 3 inches of snow was observed at the NRAO west of Magdalena along U.S. 60.
Winter Storm	11/7/2024	EAST SLOPES SANGRE DE CRISTO MOUNTAINS			Heavy snow and blowing snow resulted in near blizzard conditions. NM Roads reported severe driving conditions in the Mora area due to this snow and blowing snow.
Blizzard	11/8/2024	JOHNSON AND BARTLETT MESAS INCLUDING RATON PASS			Raton Pass NMDOT station reported blizzard conditions with blowing snow, wind gusts as high as 49 mph and visibility as low as 0.20 miles.
Winter Storm	11/7/2024	FAR NORTHEAST HIGHLANDS			Raton Crews Municipal Airport reported snow and blowing snow during the day November 7th resulting in near blizzard conditions. Wind gusts of up to 39 mph were briefly observed.
Winter Storm	11/7/2024	NORTHEAST HIGHLANDS			Las Vegas Municipal Airport reported visibility as low as 0.25 miles from snow and blowing snow along with wind gusts as high as 30 mph.
Blizzard	11/7/2024	UNION COUNTY			Whiteout conditions due to blowing snow along with snow drifts were observed across U.S. Highways 64/87, and U.S. Highway 56/412 beginning late Thursday morning.
Winter Storm	11/7/2024	HARDING COUNTY			The Mills Canyon RAWS station observed gusts of around 30 mph. These wind gusts along with snow and blowing snow caused lower visibility and severe driving conditions in the zone.
Winter Weather	11/7/2024	SANTA FE METRO AREA			Heavy snow up to a foot caused power outages from San Ildefonso to Gallisteo and Santa Fe. The cold resulted in two fatalities, one on the morning of the 7th and another on the morning of the 8th in Santa Fe.
Dust Storm	11/16/2024	CHAVES COUNTY PLAINS			NM State Police/NMDOT closed the Roswell Relief Route during the mid-to-late afternoon due to blowing dust, brown-out conditions, and zero visibility.
High Wind	11/16/2024	GUADALUPE COUNTY	50 kt	Gust	A 58 mph gust was briefly observed at the mesonet station a few miles southeast of Vaughn.
High Wind	11/18/2024	CENTRAL HIGHLANDS	56 kt	Gust	Peak wind gusts of 64 mph were observed at Clines Corners. Additionally, the site observed peak sustained winds of 45 mph.
High Wind	11/18/2024	GUADALUPE COUNTY	58 kt	Gust	Peak wind gusts reached the maximum measurable speed of 67 mph at the southeast Vaughn mesonet station.
High Wind	11/24/2024	EAST SLOPES SANGRE DE CRISTO MOUNTAINS	51 kt	Gust	The Bartley RAWS between Mora and Rociada observed a brief high wind gust of 59 mph.
High Wind	11/24/2024	CENTRAL HIGHLANDS	50 kt	Gust	Clines Corners observed a brief high wind gust of 58 mph.
High Wind	11/24/2024	FAR NORTHEAST HIGHLANDS	51 kt	Gust	Raton Crews Municipal Airport observed a brief high wind gust of 59 mph.
High Wind	11/24/2024	NORTHEAST HIGHLANDS	59 kt	Gust	Las Vegas Municipal Airport observed several high wind gusts during the late morning and early afternoon hours peaking at 68 mph.
High Wind	11/27/2024	NORTHERN SANGRE DE CRISTO MOUNTAINS	52 kt	Gust	A weather station on Kachina Peak in Taos Ski Valley observed high wind gusts up to 60 mph.
High Wind	11/26/2024	EAST SLOPES SANGRE DE CRISTO MOUNTAINS	51 kt	Gust	The Bartley RAWS between Mora and Rociada observed high wind gusts up to 59 mph. Additionally, these high wind gusts blew down a few live pine trees near Rociada.
High Wind	11/26/2024	FAR NORTHEAST HIGHLANDS	64 kt	Gust	Raton Crews Municipal Airport observed high wind gusts up to 74 mph. Additionally, peak sustained winds of 45 mph were observed at the site during this time.
High Wind	11/27/2024	NORTHEAST HIGHLANDS	53 kt	Gust	Las Vegas Municipal Airport observed high wind gusts up to 61 mph. Additionally, peak sustained winds of 45 mph were observed at the site during this time.
High Wind	11/26/2024	GUADALUPE COUNTY	56 kt	Gust	The mesonet station a few miles southeast of Vaughn observed high wind gusts up to 61 mph.
High Wind	11/27/2024	GUADALUPE COUNTY	56 kt	Gust	The mesonet station southeast of Vaughn observed high wind gusts up to 64 mph. Additionally, peak sustained winds of 45 mph were observed at the site during this time.

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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>
- ▶ 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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