



### Synopsis

November 2020 was warmer and drier than normal, following the pattern for much of the year.

It was a fairly quiet month, unlike the wacky, record, and extreme weather in September and October. Light snow amounts were reported on the 8<sup>th</sup> through 9<sup>th</sup>. High winds impacted many areas on the 14<sup>th</sup>. Record warmth occurred on a few days around the middle of the month. Strong winds and mostly light snow occurred on the 23<sup>rd</sup> and 24<sup>th</sup> and more light snow fell on the 27<sup>th</sup> through 28<sup>th</sup>.

November 24 Snow at the Angel Fire Resort – photo courtesy of Angel Fire Resort



November 29 Moonrise over the Bosque – photo courtesy of the Ventana Ranch Neighborhood Association



November 27 in Gallup – photo courtesy of the NMDOT



# November 2020 Climate Summary

## State Temperatures

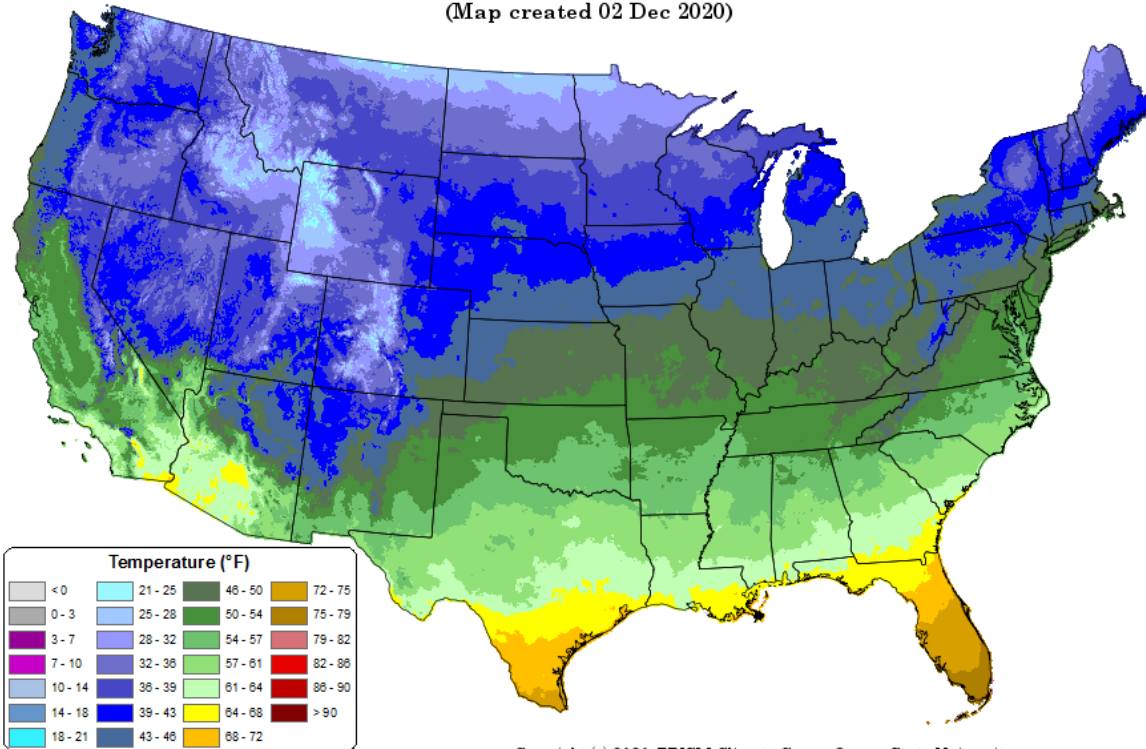
Weather Forecast Office  
Albuquerque, NM  
Issued December 12, 2020 5:49 AM MDT



### Actual

#### Average Daily Mean Temperature: Nov 2020

Period ending 7 AM EST 30 Nov 2020  
(Map created 02 Dec 2020)

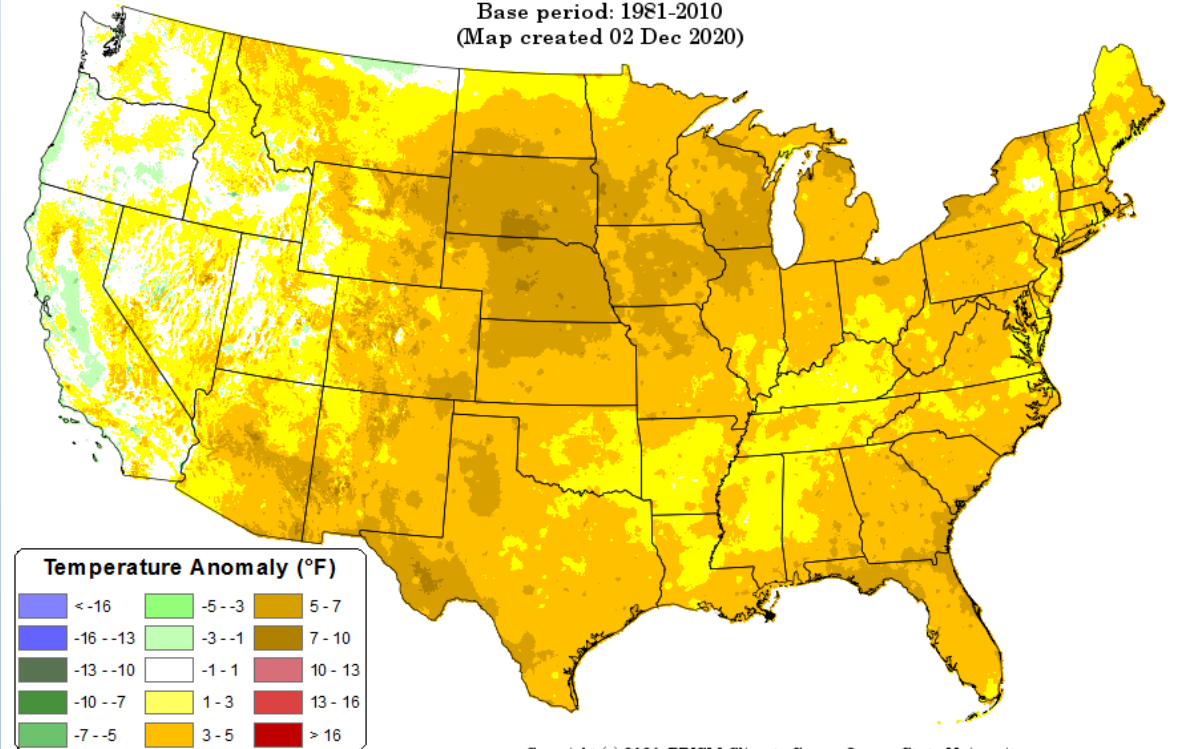


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### Anomaly

#### Daily Mean Temperature Anomaly: Nov 2020

Period ending 7 AM EST 30 Nov 2020  
Base period: 1981-2010  
(Map created 02 Dec 2020)



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November was another warmer than normal month, with 2020 probably being one of the warmest on record.

# November 2020 Climate Summary

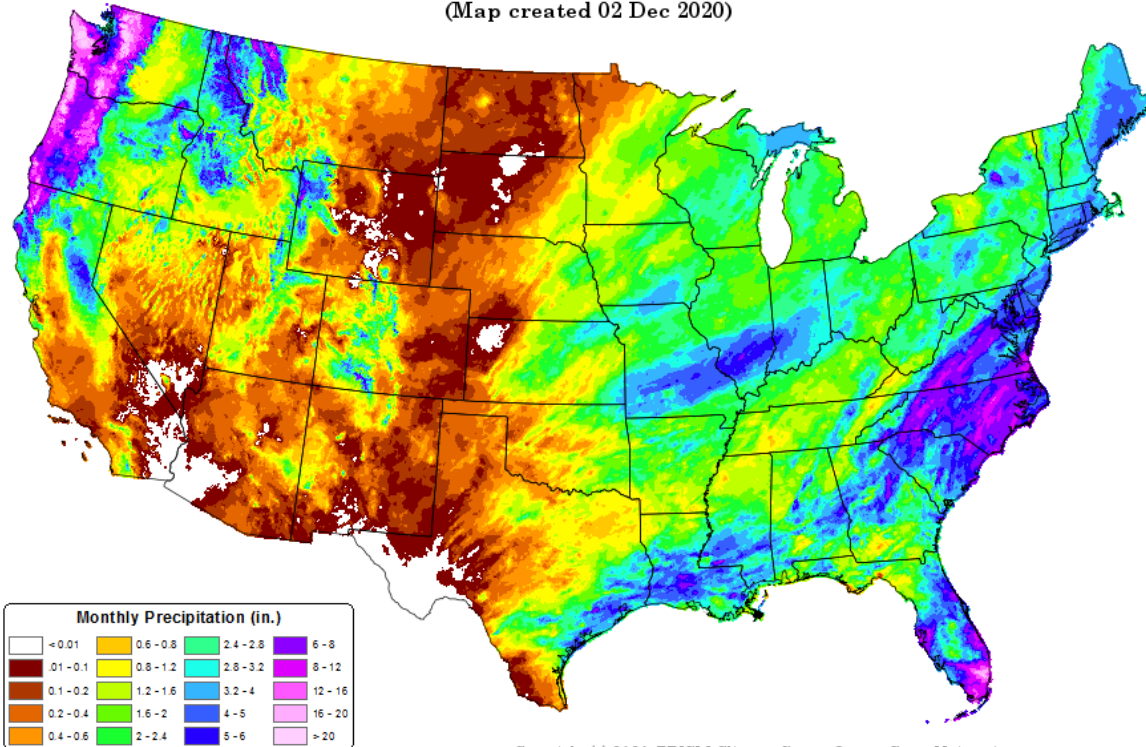
## State Precipitation

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### Actual

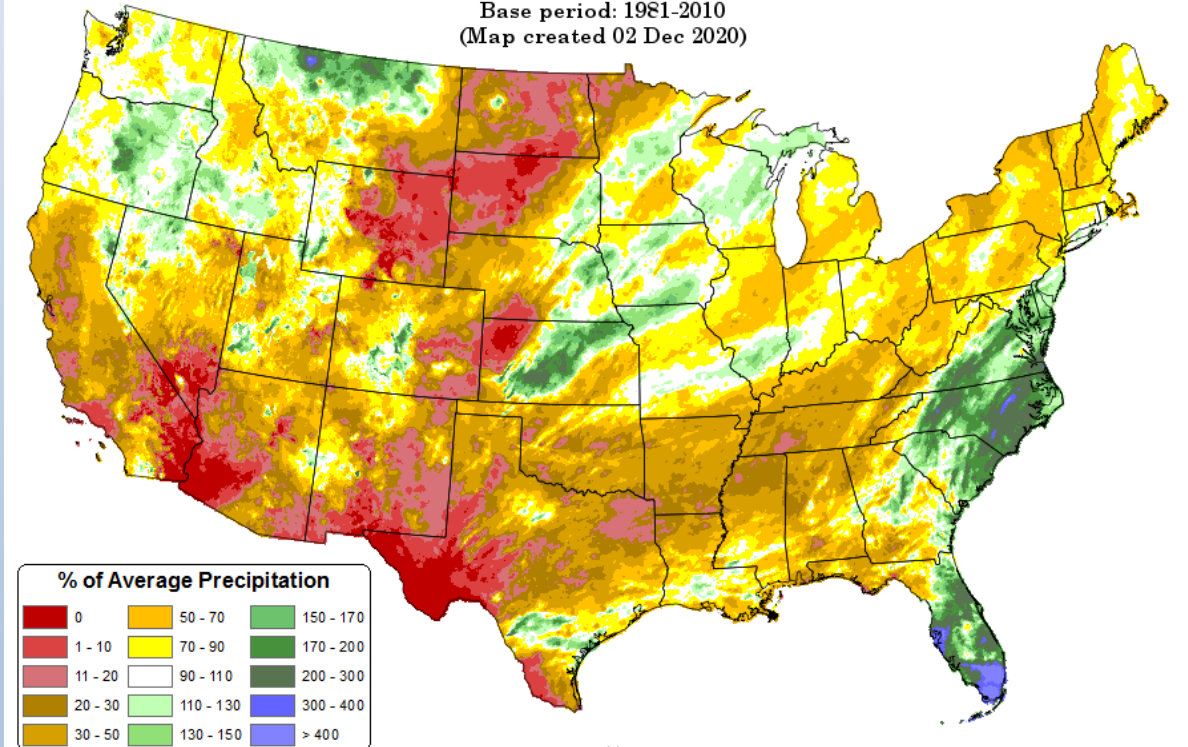
**Total Precipitation: Nov 2020**  
Period ending 30 Nov 2020  
(Map created 02 Dec 2020)



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### Anomaly

**Total Precipitation Anomaly: Nov 2020**  
Period ending 30 Nov 2020  
Base period: 1981-2010  
(Map created 02 Dec 2020)



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November was another drier than normal month, especially across the east and south.

# November 2020 Climate Summary

## Statewide Temperature & Precipitation Trends

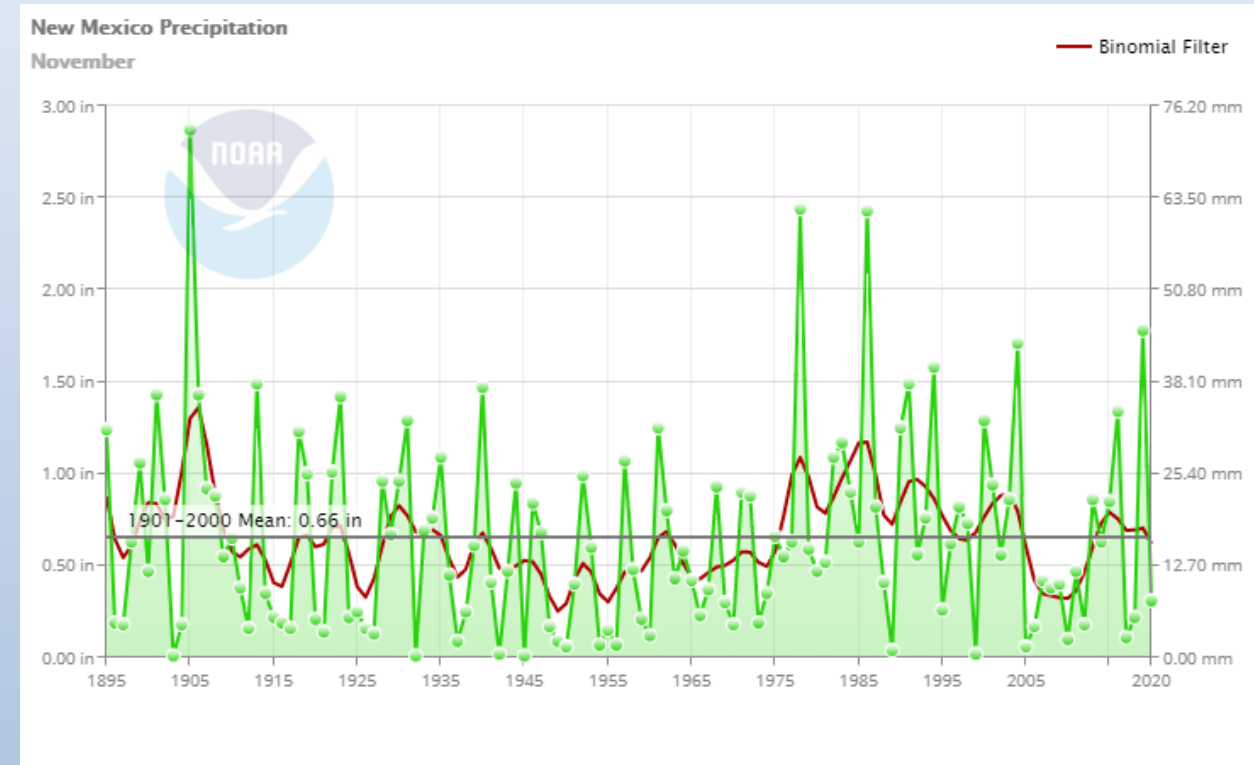
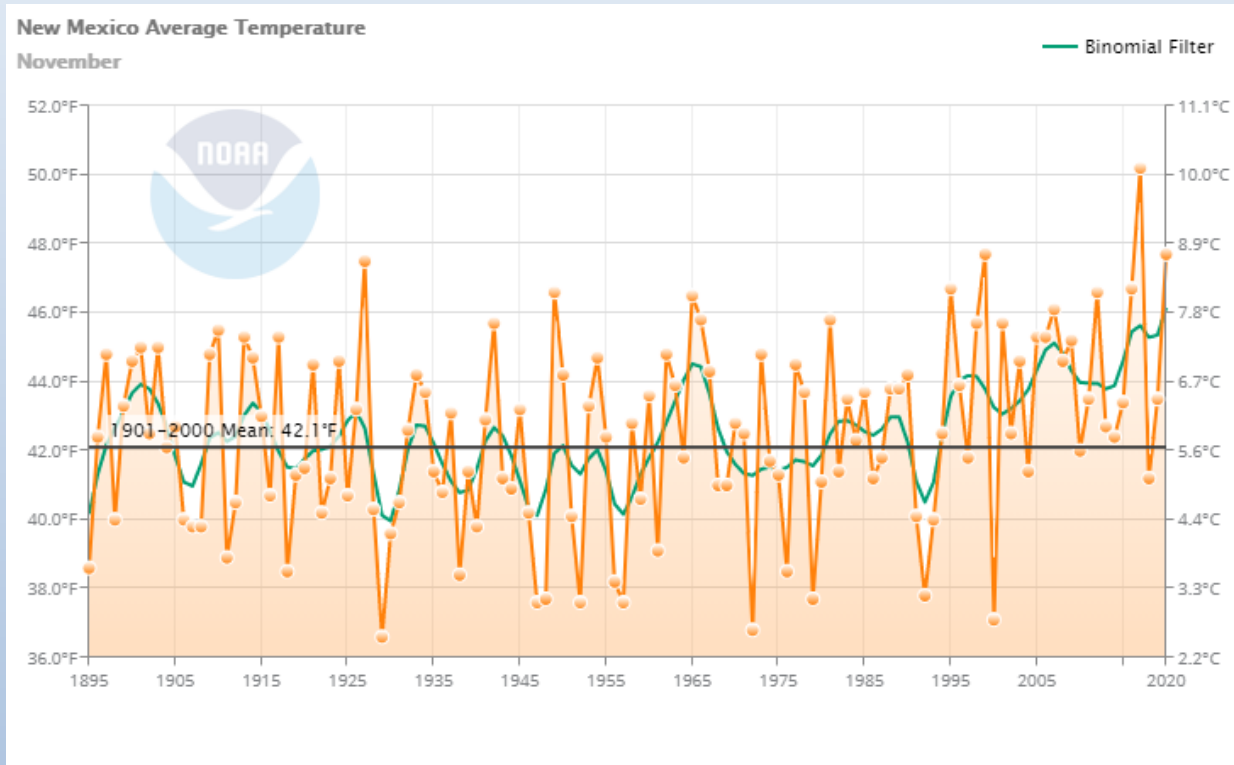
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Albuquerque, NM

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### Temperature

### Precipitation



The average statewide temperature was 47.7° which was 5.6° above the long-term normal of 42.1° (1901-2000). This ranks as a tie for 2<sup>nd</sup> warmest November on record for New Mexico!

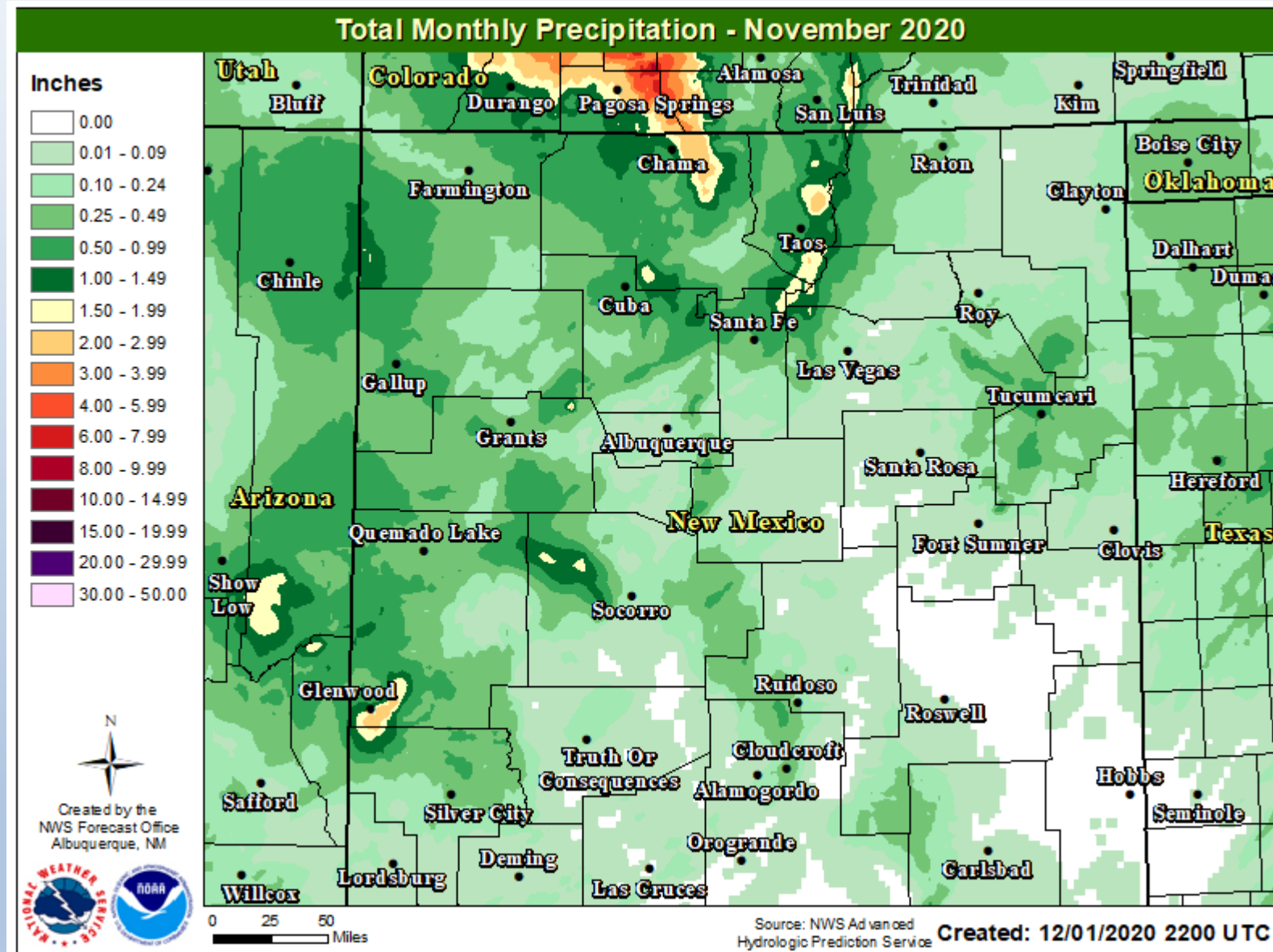
The average statewide precipitation was 0.31" which was 0.35" below the long-term normal of 0.66" (1901-2000). This ranks as the 41<sup>st</sup> driest October on record for New Mexico.

# November 2020 Climate Summary

## Monthly Precipitation

Weather Forecast Office  
Albuquerque, NM

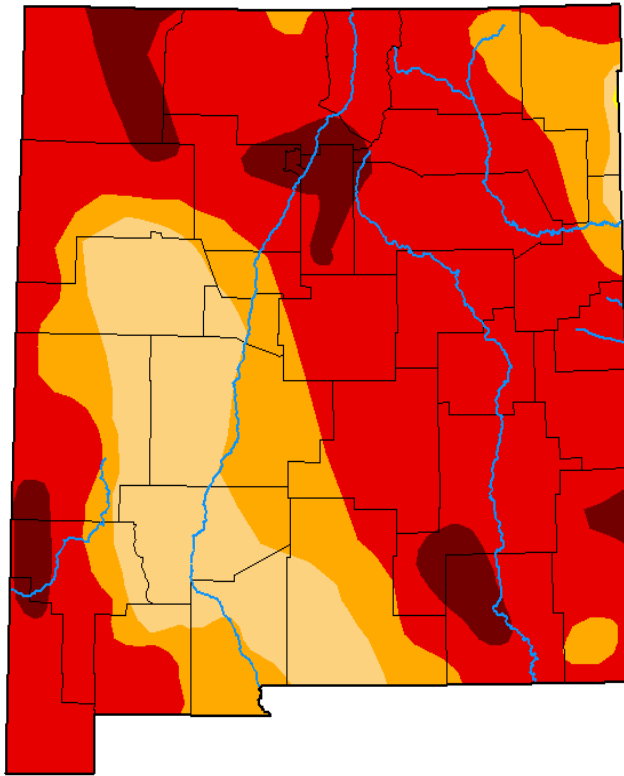
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Here is a more detailed image of the November 2020 precipitation.



### U.S. Drought Monitor New Mexico



**November 3, 2020**  
(Released Thursday, Nov. 5, 2020)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.98	84.82	66.18	7.21
Last Week 10-27-2020	0.00	100.00	100.00	85.27	67.12	7.24
3 Months Ago 08-04-2020	0.04	99.96	94.52	51.77	15.22	0.00
Start of Calendar Year 12-31-2019	52.86	47.14	28.33	15.26	0.00	0.00
Start of Water Year 09-29-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 11-05-2019	35.27	64.73	34.66	8.67	0.00	0.00

**Intensity:**  
 None (White)      D2 Severe Drought (Yellow)  
 D0 Abnormally Dry (Light Yellow)      D3 Extreme Drought (Red)  
 D1 Moderate Drought (Orange)      D4 Exceptional Drought (Dark Red)

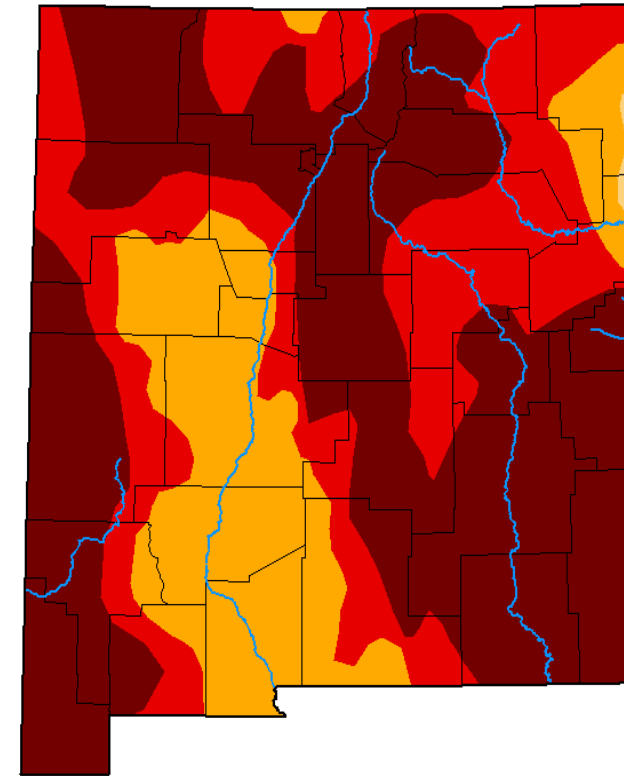
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

**Author:**  
David Miskus  
NOAA/NWS/NCEP/CPC



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

### U.S. Drought Monitor New Mexico



**November 24, 2020**  
(Released Wednesday, Nov. 25, 2020)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	99.59	79.21	50.95
Last Week 11-17-2020	0.00	100.00	100.00	99.59	72.99	31.96
3 Months Ago 08-25-2020	0.02	99.98	94.68	62.19	21.91	0.00
Start of Calendar Year 12-31-2019	52.86	47.14	28.33	15.26	0.00	0.00
Start of Water Year 09-29-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 11-26-2019	27.02	72.98	45.07	17.57	0.00	0.00

**Intensity:**  
 None (White)      D2 Severe Drought (Yellow)  
 D0 Abnormally Dry (Light Yellow)      D3 Extreme Drought (Red)  
 D1 Moderate Drought (Orange)      D4 Exceptional Drought (Dark Red)

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

Over the past three weeks (from November 3<sup>rd</sup>-24<sup>th</sup>) drought has continued to increase in coverage and intensity, and not just a little bit, but a bunch. Exceptional drought has expanded to over half the state (50.95 percent)! The month began with just a little over 7 percent exceptional drought across the state. We have to go back to June 2011 and June 2013 to find drought severity close to November 2020!

# November 2020 Climate Summary

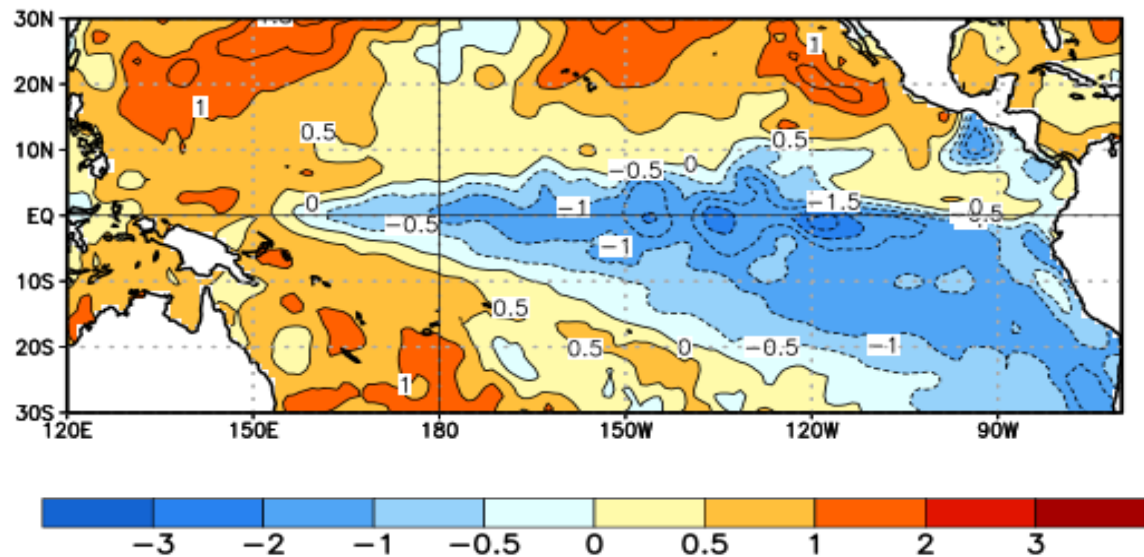
ENSO

Weather Forecast Office  
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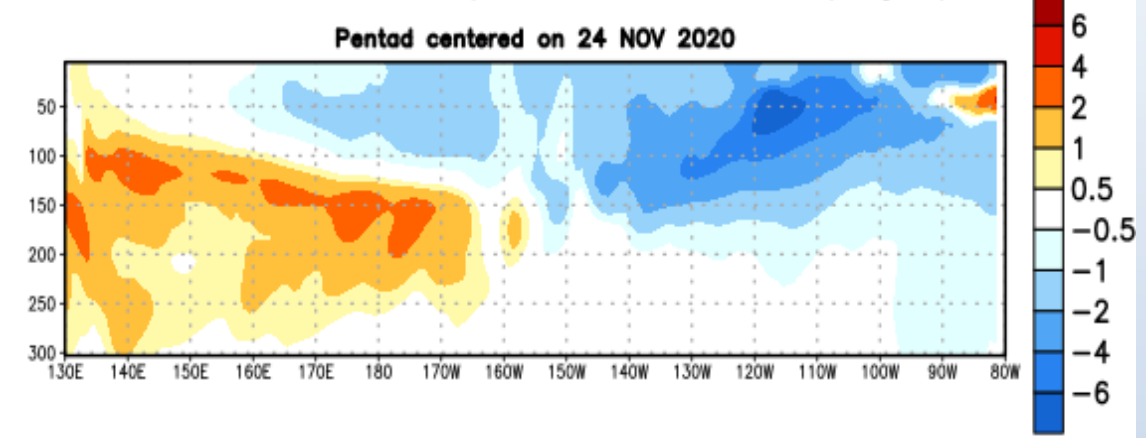
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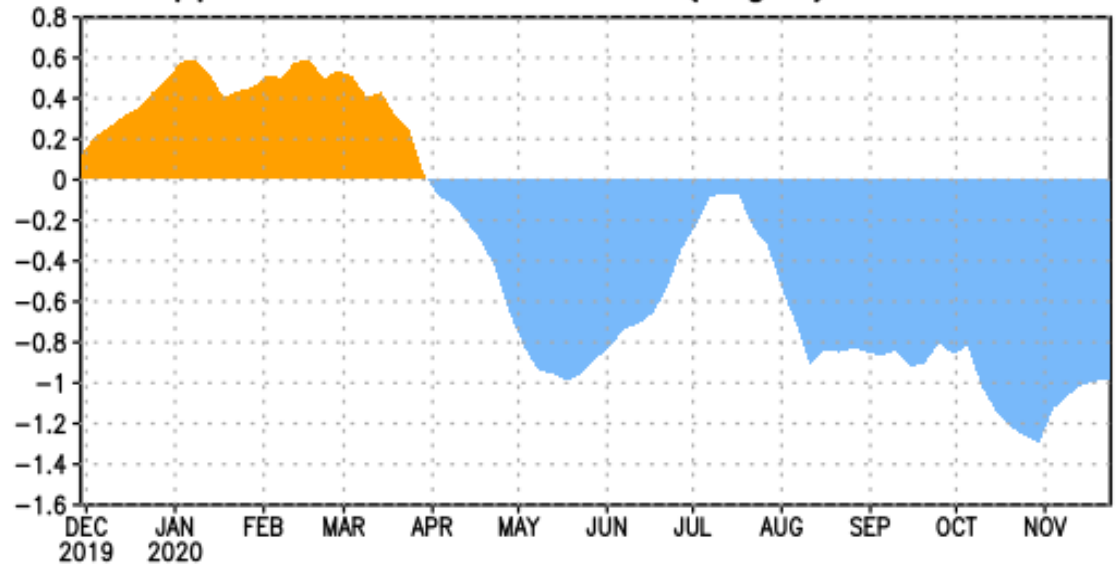
Average SST Anomalies  
1 NOV 2020 – 28 NOV 2020



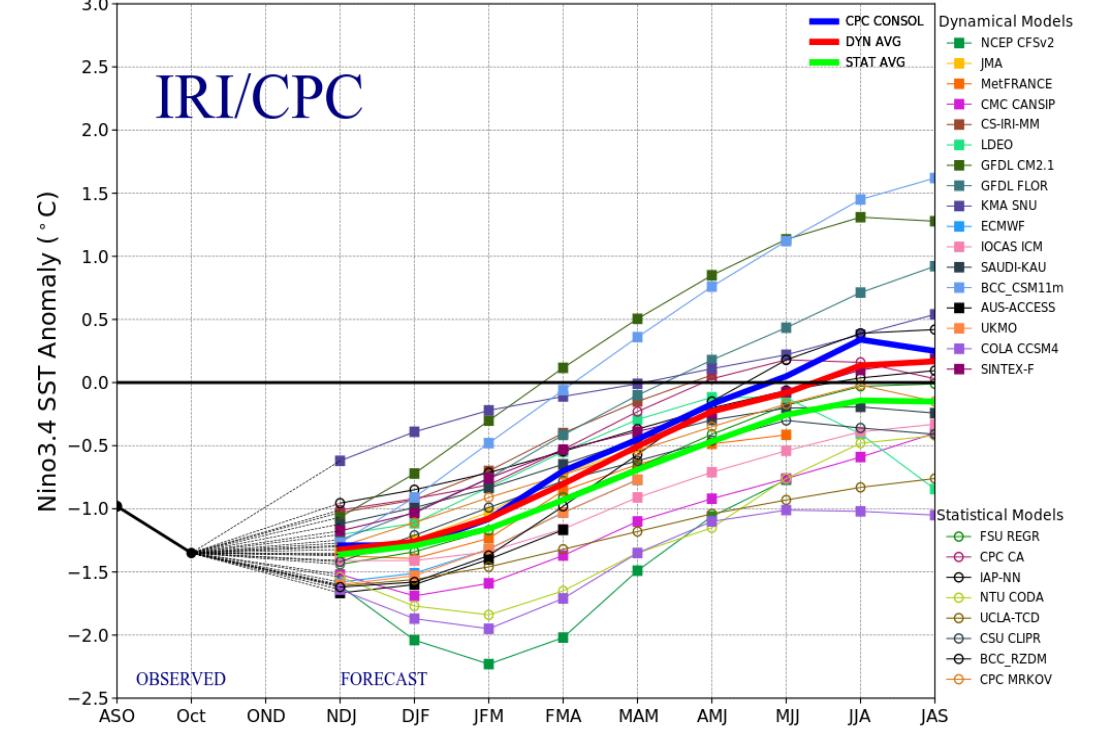
EQ. Subsurface Temperature Anomalies (deg C)



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



Model Predictions of ENSO from Nov 2020



# November 2020 Climate Summary

## Temperature & Precipitation Outlook

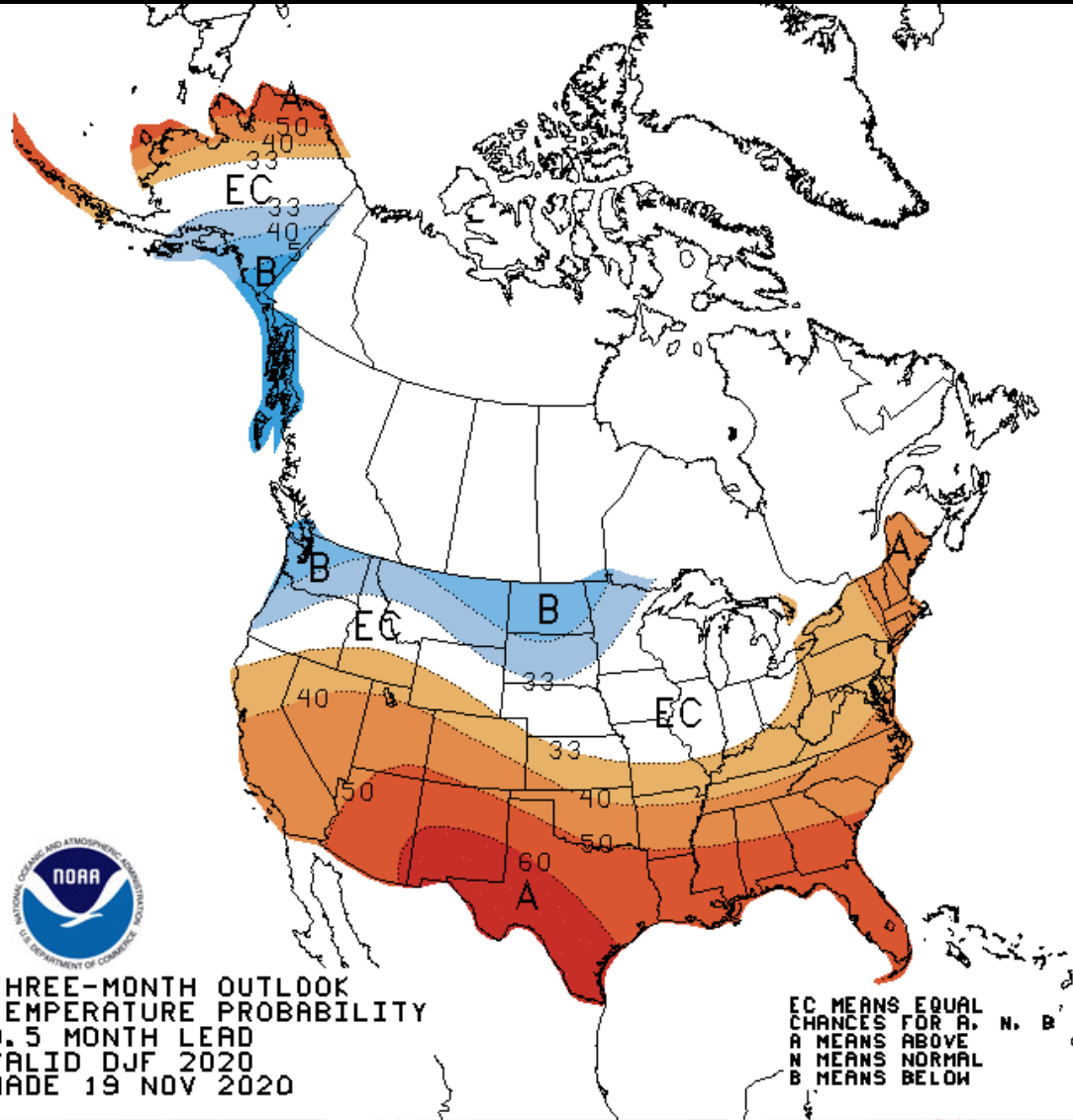
Weather Forecast Office

Albuquerque, NM

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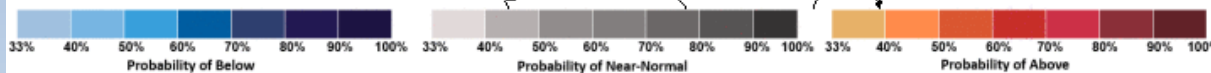


### Temperature December-January-February

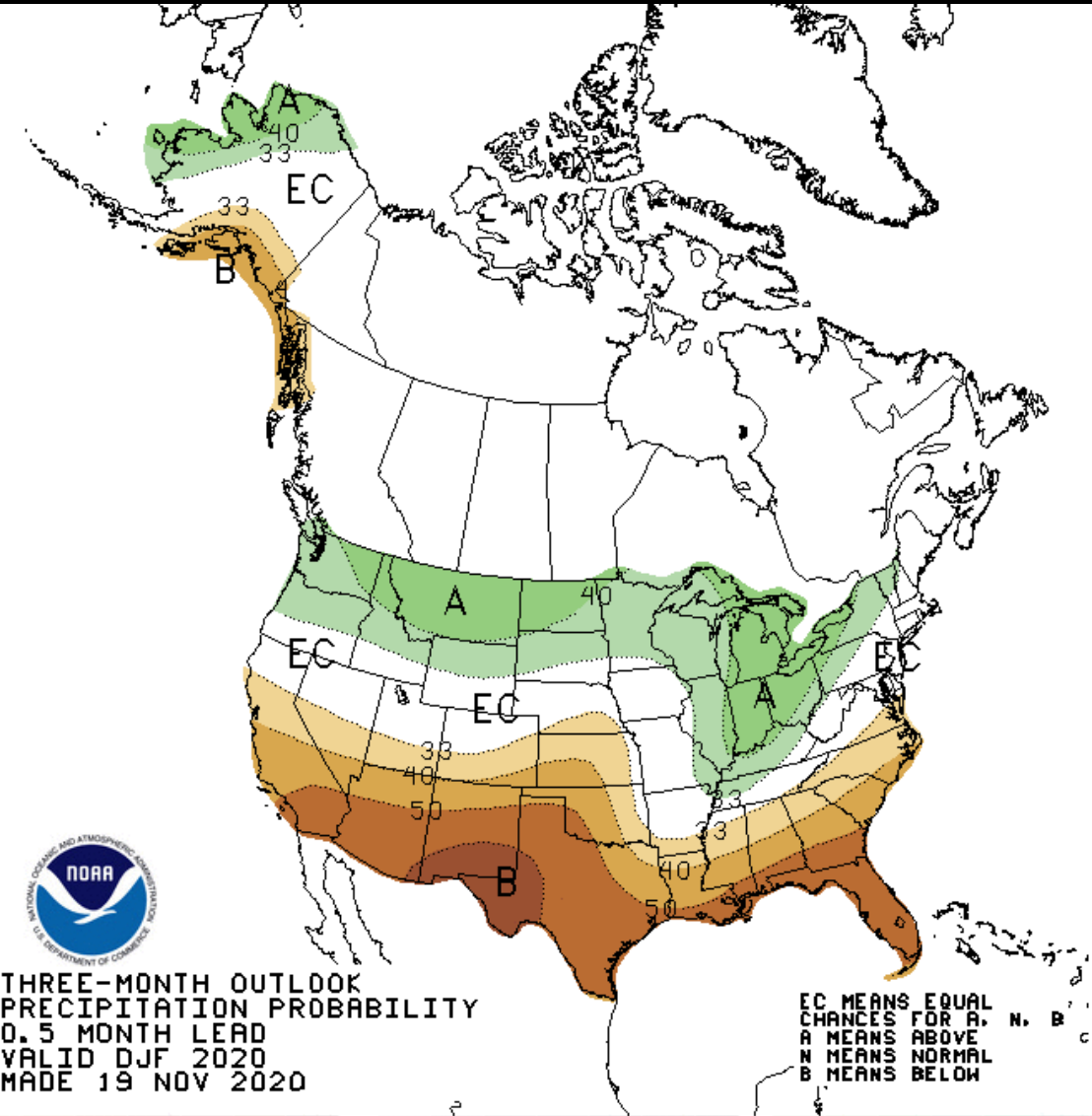


THREE-MONTH OUTLOOK  
TEMPERATURE PROBABILITY  
0.5 MONTH LEAD  
VALID DJF 2020  
MADE 19 NOV 2020

EC MEANS EQUAL  
CHANCES FOR A, N, B  
A MEANS ABOVE  
N MEANS NORMAL  
B MEANS BELOW



### Precipitation December-January-February



THREE-MONTH OUTLOOK  
PRECIPITATION PROBABILITY  
0.5 MONTH LEAD  
VALID DJF 2020  
MADE 19 NOV 2020

EC MEANS EQUAL  
CHANCES FOR A, N, B  
A MEANS ABOVE  
N MEANS NORMAL  
B MEANS BELOW



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



# November 2020 Climate Summary

## Albuquerque Sunport Temperatures

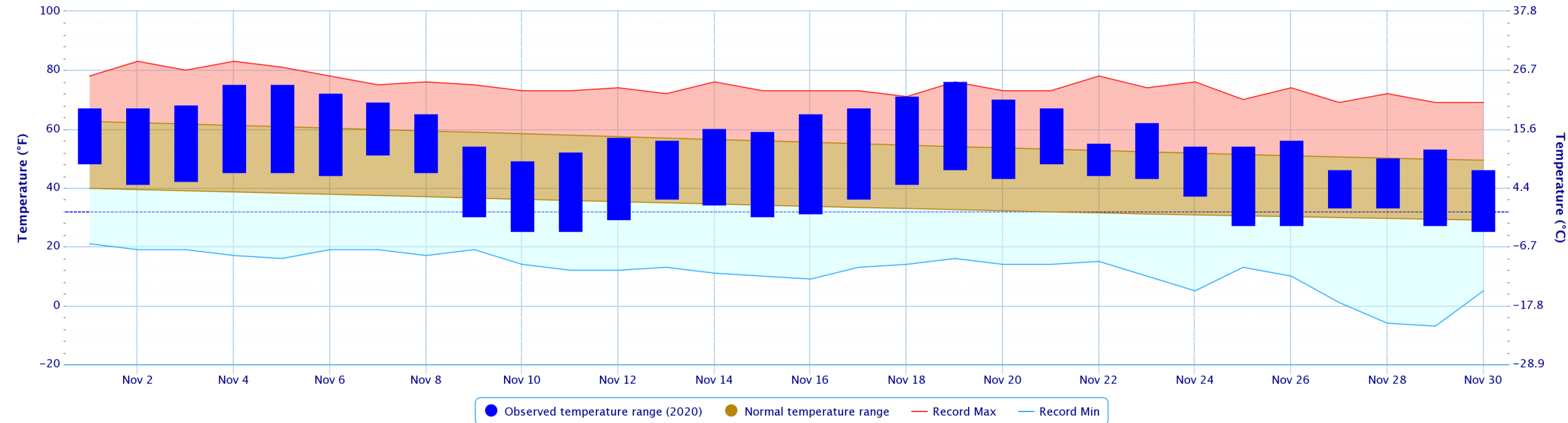
Weather Forecast Office  
Albuquerque, NM

Issued December 12, 2020 5:49 AM MDT



Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2020-12-01. Normals period: 1981-2010. Click and drag to zoom chart.



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The average temperature for Albuquerque was 49.1°, which was 4.2° above the normal of 44.9°. The average maximum temperature for the month was 61.2°. This was 5.4° above the normal average maximum temperature of 55.8°. The average minimum temperature for the month was 37.0°. This was 2.9° above the normal average minimum temperature of 34.1°. This ranks as the 7<sup>th</sup> warmest November on record.

Record Type	Date	New Record	Previous Record
High Minimum Temperature	November 7, 2020	51°	50° / 1920
High Temperature	November 18, 2020	71°	70° / 1949
High Temperature	November 19, 2020	76°	72° / 1915
High Minimum Temperature	November 19, 2020	46°	45° / 1950
High Minimum Temperature	November 21, 2020	48°	43° / 2017, 1924, 1909, 1902

# November 2020 Climate Summary

## Albuquerque Sunport Precipitation

Weather Forecast Office  
Albuquerque, NM

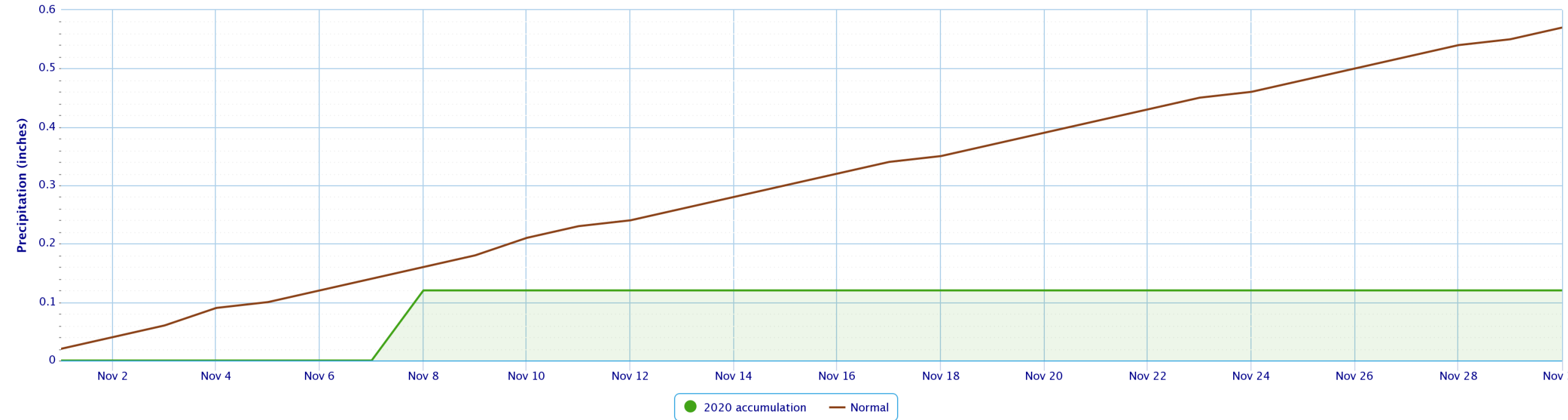
Issued December 12, 2020 5:49 AM MDT



Normal Precipitation = 0.57" Actual = 0.12"

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 0.12" of precipitation measured at Albuquerque, compared to the normal of 0.57", or 0.45" below normal.

Record Type	Date	New Record	Previous Record

# November 2020 Climate Summary

## Albuquerque Sunport Snowfall

Weather Forecast Office  
Albuquerque, NM  
Issued December 12, 2020 5:49 AM MDT

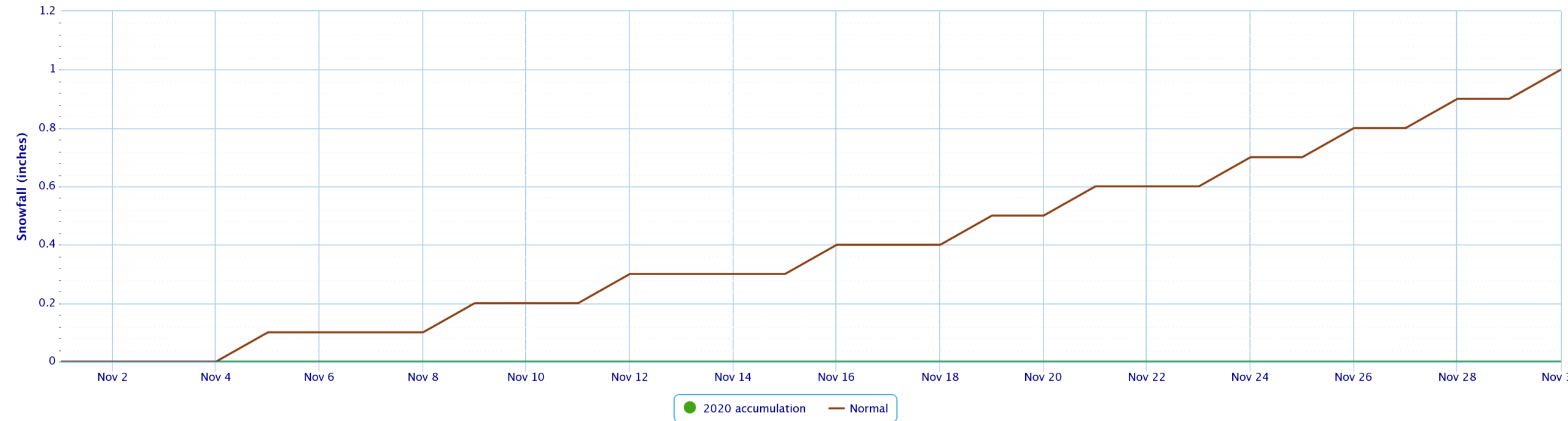


Normal Snowfall = 1.0"

Actual = 0.0"

Accumulated Snowfall – 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 no snow measured at Albuquerque, compared to the November normal of 1.0".

Record Type	Date	New Record	Previous Record

# November 2020 Climate Summary

## Clayton Temperatures

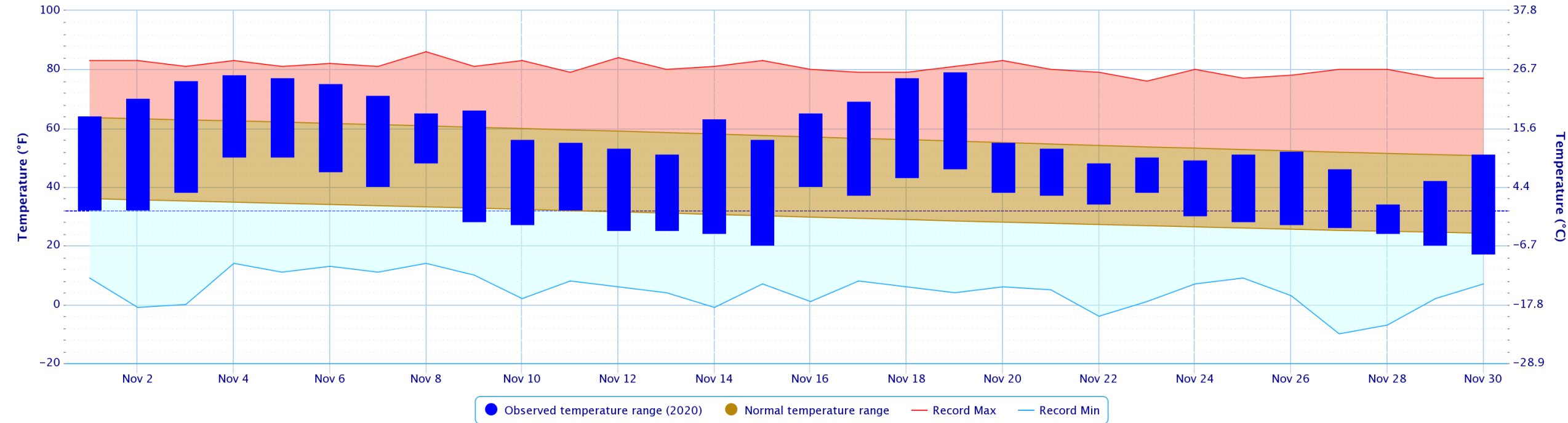
Weather Forecast Office  
Albuquerque, NM

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Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2020-12-01. Normals period: 1981-2010. Click and drag to zoom chart.



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The average temperature for Clayton was 46.6°, which was 3.0° above the normal of 43.6°. The average maximum temperature for the month was 59.9°. This was 2.7° above the normal average maximum temperature of 57.2°. The average minimum temperature for the month was 33.4°. This was 3.4° above the normal average minimum temperature of 30.0°. This ranks as the 20<sup>th</sup> warmest November on record.

Record Type	Date	New Record	Previous Record
High Minimum Temperature	November 4, 2020	50°	48° / 2017,1978
High Minimum Temperature	November 18, 2020	43° (tie)	43° / 2008,1941,1913
High Minimum Temperature	November 19, 2020	46°	45° / 1996

# November 2020 Climate Summary

## Clayton Precipitation

Weather Forecast Office  
Albuquerque, NM

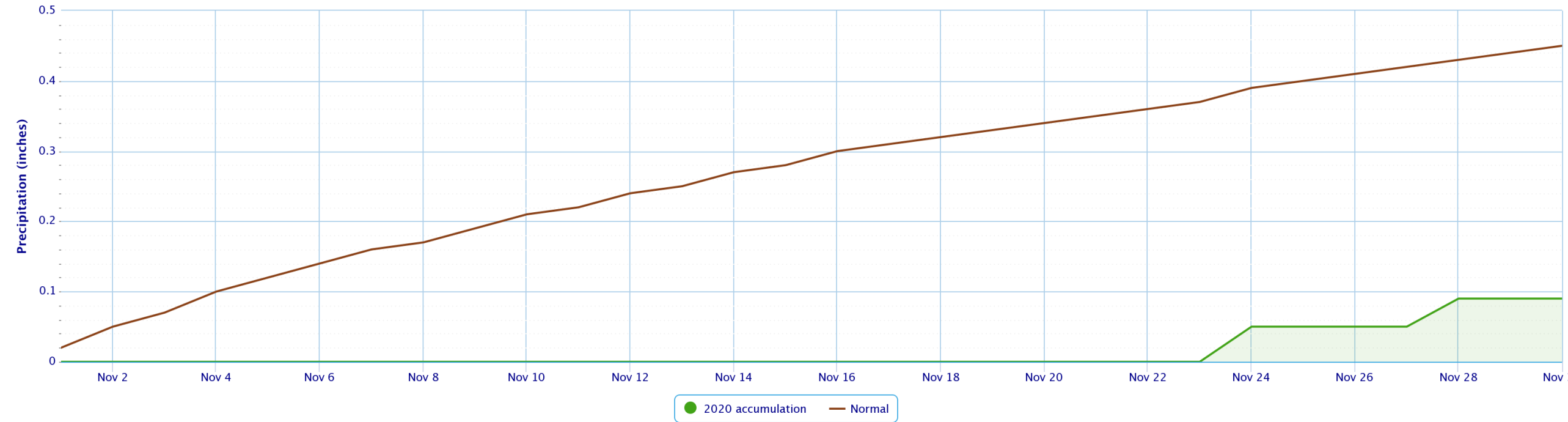
Issued December 12, 2020 5:49 AM MDT



Normal Precipitation = 0.45” Actual = 0.09”

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 only 0.09” of precipitation measured at Clayton, compared to the normal of 0.45”, or 0.36” below normal. This was tied for the 33<sup>rd</sup> driest November on record (1893-2019).

Record Type	Date	New Record	Previous Record

# November 2020 Climate Summary

## Clayton Snowfall

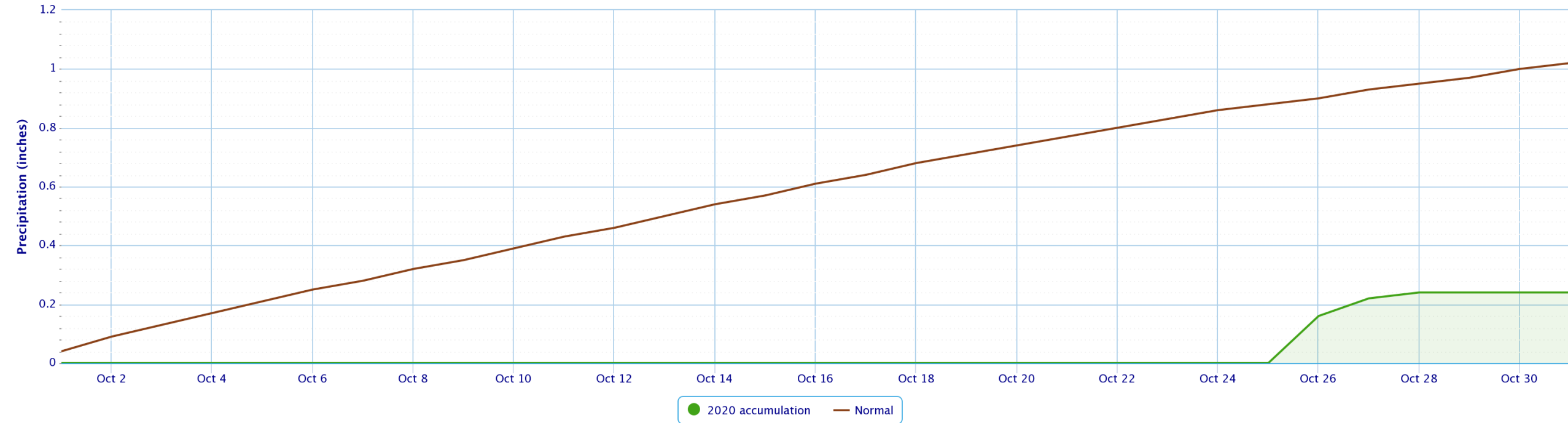


Normal Snowfall = 3.0"

Actual = 0.3"

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 0.3" of snow measured at Clayton, compared to the November normal of 3.0", or 2.7" below normal.

Record Type	Date	New Record	Previous Record

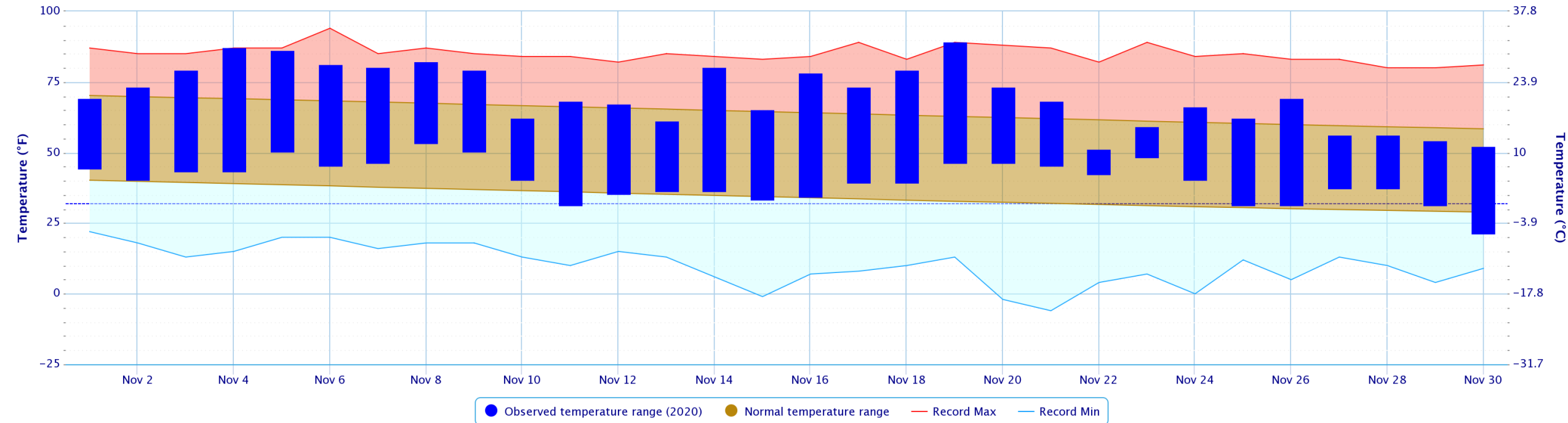
# November 2020 Climate Summary

## Roswell Temperatures



Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2020-12-01; Min temperature: 1893-01-21 to 2020-12-01. Normals period: 1981-2010. Click and drag to zoom chart.



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The average temperature for Roswell was 54.9°, which was 5.6° above the normal of 49.3°. The average maximum temperature for the month was 70.1°. This was 5.8° above the average maximum temperature of 64.3°. The average minimum temperature for the month was 39.7°. This was 5.4° above the normal average minimum temperature of 34.3°. This was tied for the 2<sup>nd</sup> warmest November on record!

Record Type	Date	New Record	Previous Record
High Temperature	November 4, 2020	87°	86° / 1988
High Minimum Temperature	November 8, 2020	53°	51° / 1940
High Temperature	November 19, 2020	89°	88° / 1996

# November 2020 Climate Summary

## Roswell Precipitation

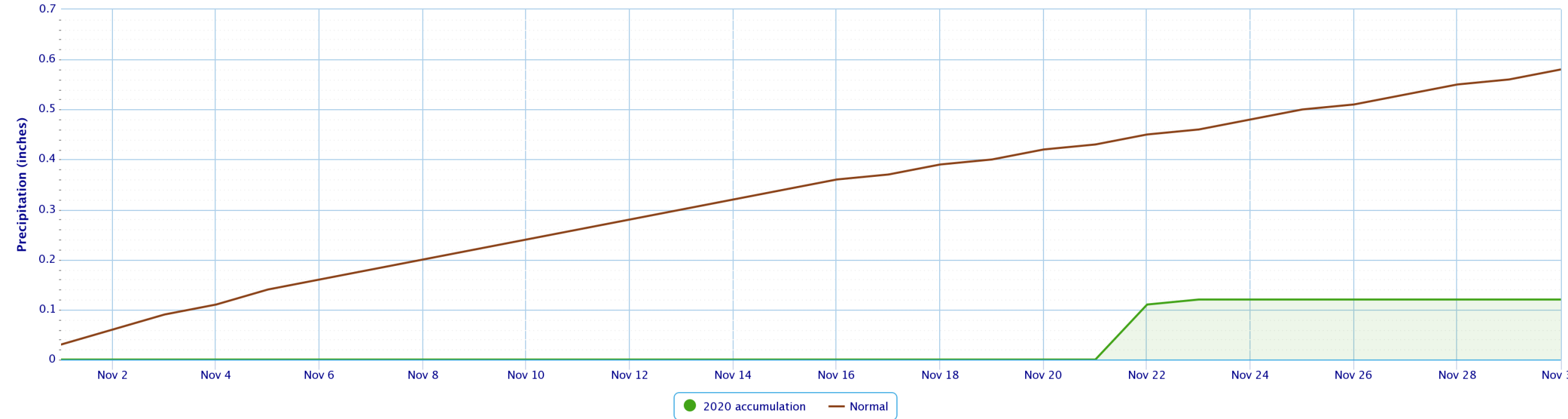
Weather Forecast Office  
Albuquerque, NM  
Issued December 12, 2020 5:49 AM MDT



Normal Precipitation = 0.58"      Actual = 0.12"

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 0.12" of precipitation measured at Roswell, compared to the normal of 0.58", or 0.46" below normal. This was tied for the 46<sup>th</sup> driest November on record (1893-2020).

Record Type	Date	New Record	Previous Record



# November 2020 Climate Summary

## Roswell Snowfall

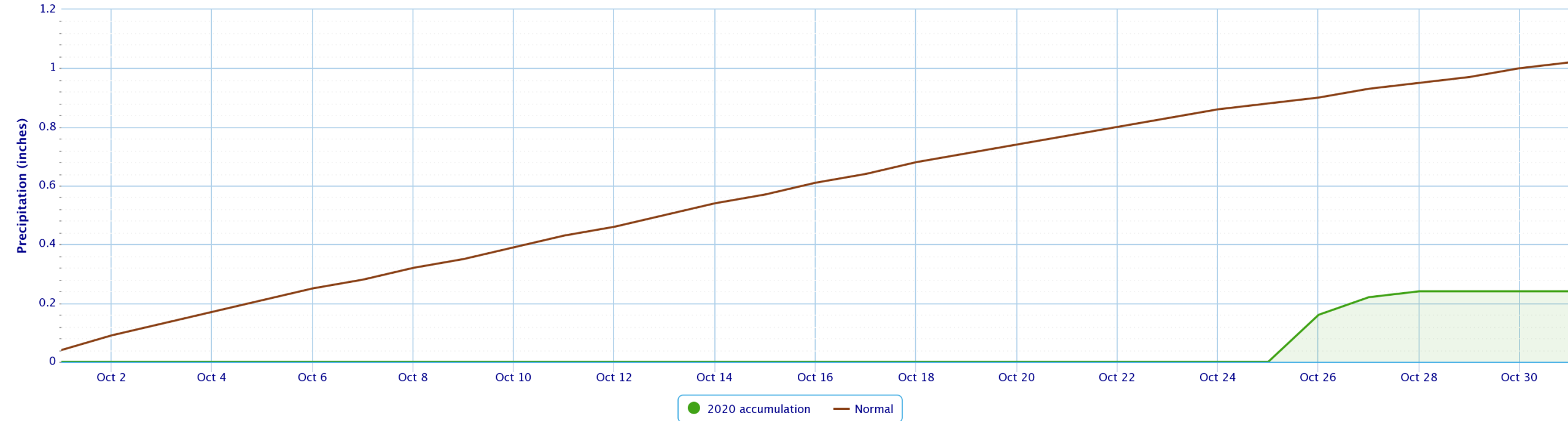


Normal Snowfall = 1.3"

Actual = 0.0"

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 no snow measured at Roswell, compared to the November normal of 1.3".

Record Type	Date	New Record	Previous Record

# November 2020 Climate Summary

## Severe Weather\*

Weather Forecast Office  
Albuquerque, NM

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Event Type	Date	County/Zone Name	Magnitude	Type	Event Narrative
Thunderstorm Wind	11/8/2020	Taos	52 kt	Gust	A broken line of thunderstorms moving through Taos produced a brief wind gust up to 60 mph.
High Wind	11/7-11/8/2020	Jemez Mountains	50 kt	Gust	Bandelier National Monument reported a brief wind gust up to 58 mph.
High Wind	11/8-11/9/2020	South Central Mountains	57 kt	Gust	Peak wind gusts between 58 mph and 66 mph were reported around Ruidoso and Capitan.
High Wind	11/8-11/9/2020	South Central Mountains	42 kt	Sustained	Sustained winds between 40 mph and 48 mph were reported around Ruidoso and Capitan.
High Wind	11/8/2020	Central Highlands	52 kt	Gust	Clines Corners reported a peak wind gust up to 60 mph.
High Wind	11/9/2020	Southern Sangre de Cristo Mts	52 kt	Gust	The Tres Ritos IRAWs reported a peak wind gust up to 60 mph.
High Wind	11/7-11/8/2020	Northern Sangre de Cristo Mts	52 kt	Gust	Taos Ski Valley reported peak wind gusts near 60 mph.
High Wind	11/8/2020	South Central Highlands	52 kt	Gust	White Sands Missile Range reported peak wind gusts between 58 mph and 60 mph.
High Wind	11/8-11/9/2020	Eastern Lincoln County	58 kt	Gust	The CSBF site at Transwestern Pump reported peak wind gusts up to 66 mph.
High Wind	11/9/2020	Southwest Chaves County	50 kt	Gust	Dunken reported a peak wind gust up to 58 mph.
High Wind	11/14/2020	East Slopes Sangre de Cristo Mts	50 kt	Gust	Angel Fire airport reported peak wind gusts up to 58 mph.
High Wind	11/14/2020	Estancia Valley	35 kt	Sustained	Estancia reported sustained winds of 40 mph. Areas of blowing dust were also observed.
High Wind	11/14/2020	Central Highlands	35 kt	Sustained	Clines Corners reported sustained winds of 40 mph.
High Wind	11/14/2020	Central Highlands	52 kt	Gust	Clines Corners reported a peak wind gust up to 60 mph.
High Wind	11/14/2020	South Central Mountains	50 kt	Gust	Peak wind gusts up to 58 mph were reported around Capitan.
High Wind	11/14/2020	Northeast Highlands	54 kt	Gust	Peak wind gusts up to 62 mph were reported at the Las Vegas Wildlife Refuge.
High Wind	11/14/2020	Northeast Highlands	39 kt	Sustained	The Las Vegas airport reported sustained winds between 40 mph and 44 mph for several hours.
High Wind	11/14/2020	Union County	52 kt	Gust	Clayton reported peak wind gusts up to 60 mph.
High Wind	11/14/2020	Quay County	39 kt	Sustained	Tucumcari reported sustained winds between 40 mph and 45 mph periodically for several hours.
High Wind	11/14/2020	Quay County	50 kt	Gust	Tucumcari reported peak wind gusts up to 58 mph. Visibility was reduced to 5 miles in blowing dust.
High Wind	11/14/2020	De Baca County	52 kt	Gust	Stations from Fort Sumner to Sumner Lake reported peak wind gusts up to 60 mph.
High Wind	11/14/2020	Eastern Lincoln County	58 kt	Gust	The CSBF site at Transwestern Pump reported peak wind gusts up to 67 mph.
High Wind	11/25/2020	Central Highlands	50 kt	Gust	A brief wind gust up to 58 mph occurred at Clines Corners.
High Wind	11/29/2020	Far Northeast Highlands	51 kt	Gust	A brief wind gust up to 59 mph was reported at the Raton airport.

\*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/>
- ▶ U.S. Drought Monitor: <https://droughtmonitor.unl.edu/>
- ▶ NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
- ▶ CPC ENSO: [https://www.cpc.ncep.noaa.gov/products/analysis\\_monitoring/enso\\_advisory/ensodisc.shtml](https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory/ensodisc.shtml)
- ▶ 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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