



Synopsis

November 2021 was much warmer and drier than normal. It was the 2nd warmest and 16th driest November on record. A decent rain and snow producing storm on the 23rd to 24th was the only weather impacts of the month. Record-breaking high temperatures were common early in the month.

November 24 Sandia Tram East- photo courtesy sandiapeak.com



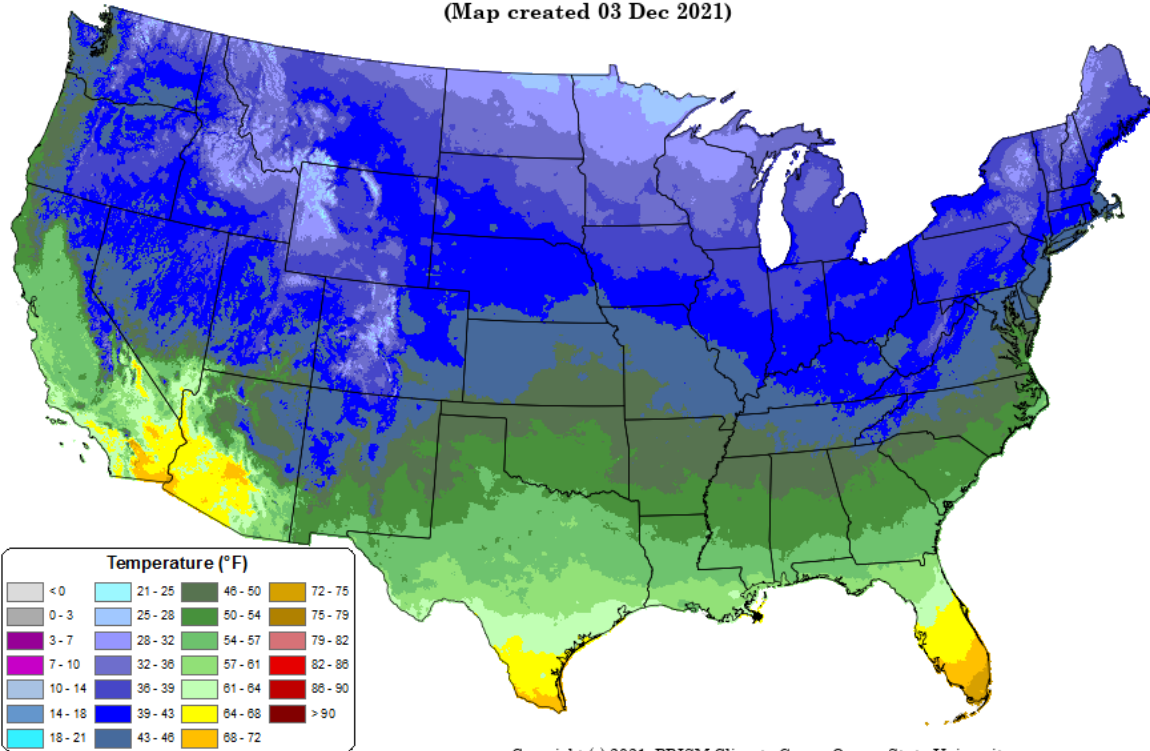


Actual

Average Daily Mean Temperature: Nov 2021

Period ending 7 AM EST 30 Nov 2021

(Map created 03 Dec 2021)



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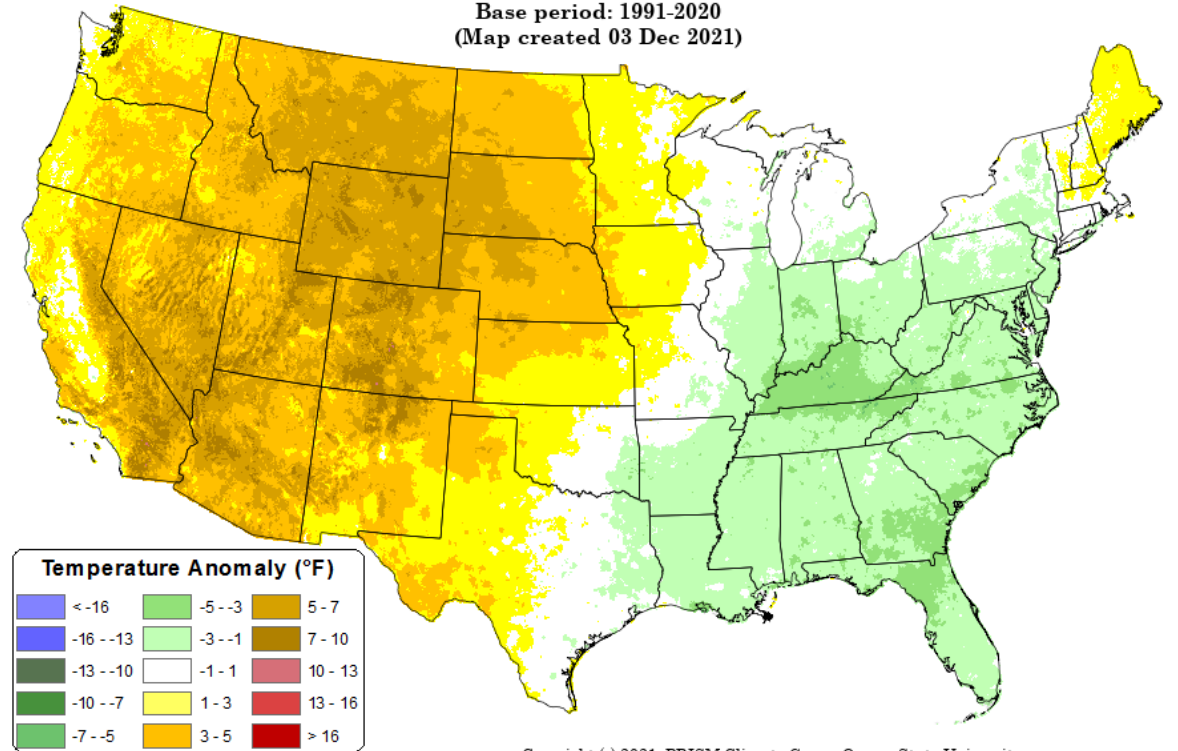
Anomaly

Daily Mean Temperature Anomaly: Nov 2021

Period ending 7 AM EST 30 Nov 2021

Base period: 1991-2020

(Map created 03 Dec 2021)



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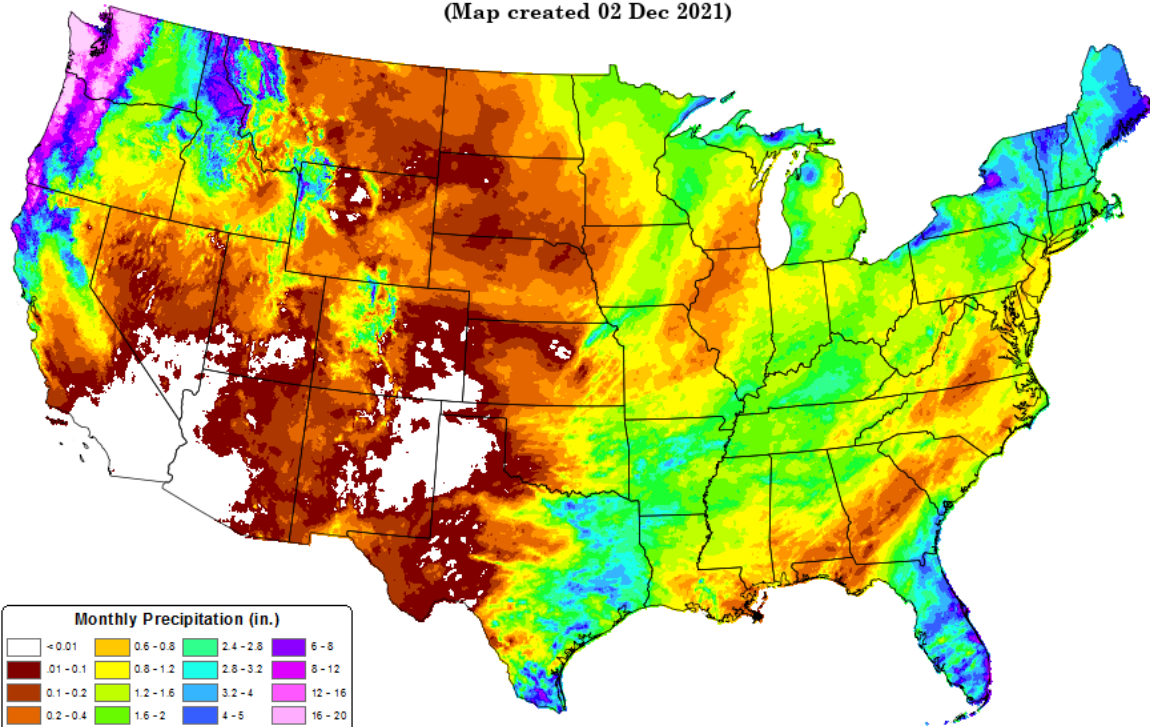
November was another much warmer than normal month, with 2021 probably being one of the warmest on record.



Actual

Total Precipitation: Nov 2021

Period ending 30 Nov 2021
(Map created 02 Dec 2021)



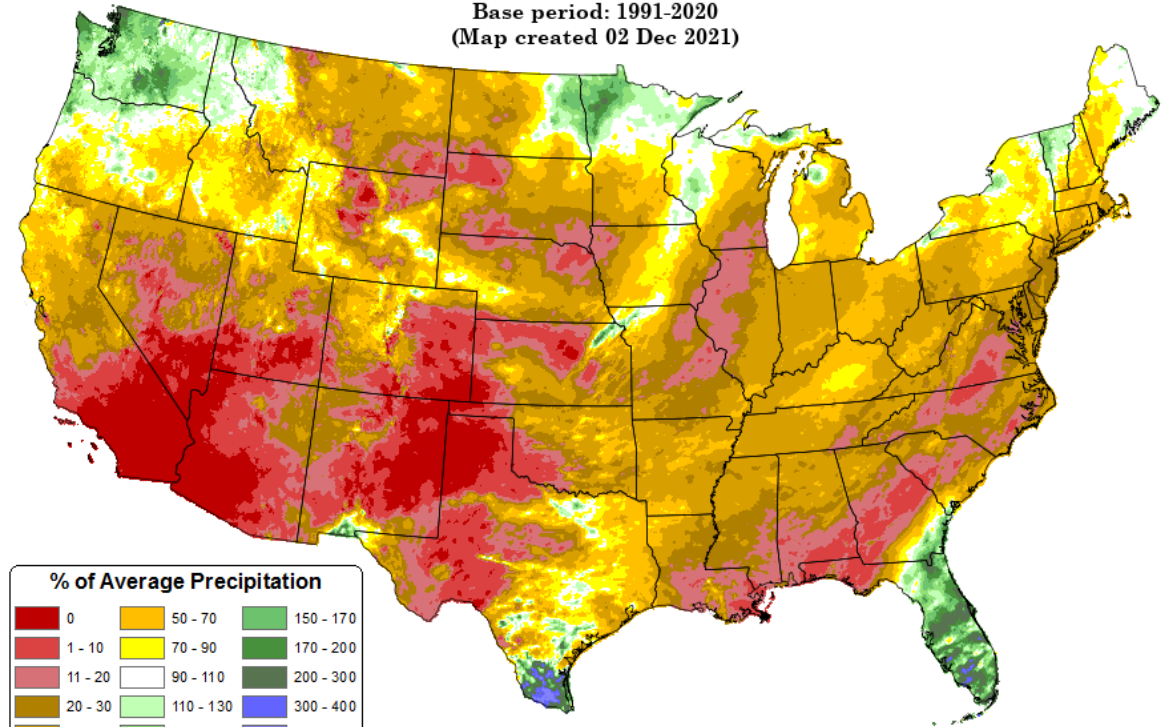
Monthly Precipitation (in.)			
<0.01	0.6-0.8	2.4-2.8	8-8
0.1-0.1	0.8-1.2	2.8-3.2	8-12
0.1-0.2	1.2-1.6	3.2-4	12-16
0.2-0.4	1.6-2	4-5	16-20
0.4-0.6	2-2.4	5-6	>20

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Anomaly

Total Precipitation Anomaly: Nov 2021

Period ending 30 Nov 2021
Base period: 1991-2020
(Map created 02 Dec 2021)



% of Average Precipitation		
0	50 - 70	150 - 170
1 - 10	70 - 90	170 - 200
11 - 20	90 - 110	200 - 300
20 - 30	110 - 130	300 - 400
30 - 50	130 - 150	> 400

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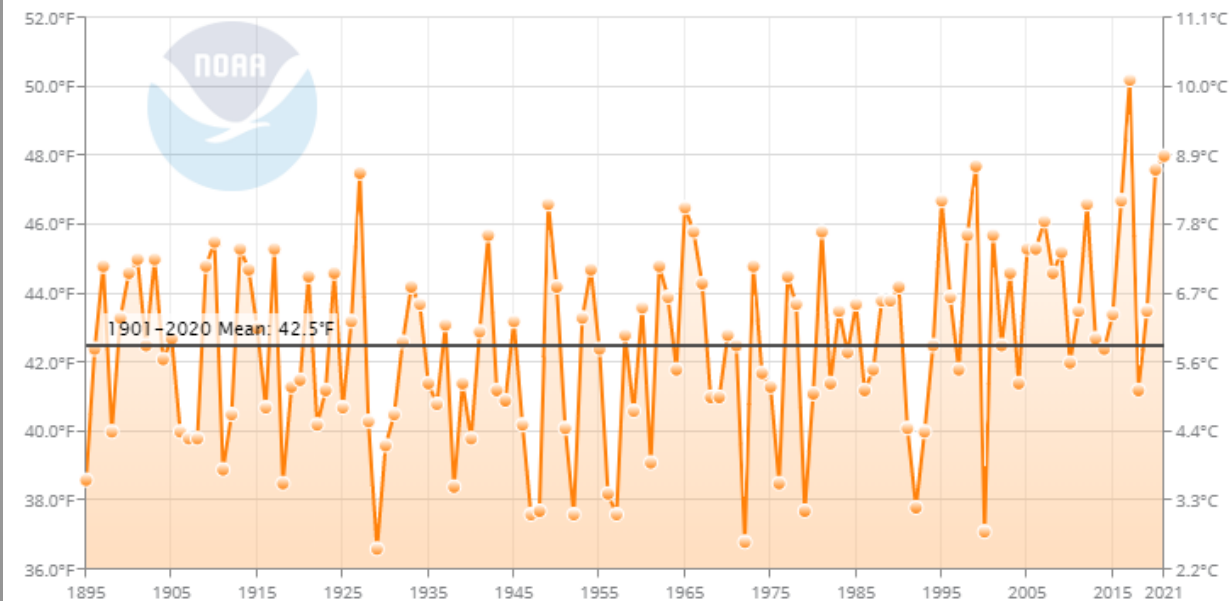
November was another much drier than normal month, especially across the east and south.

Temperature

Precipitation

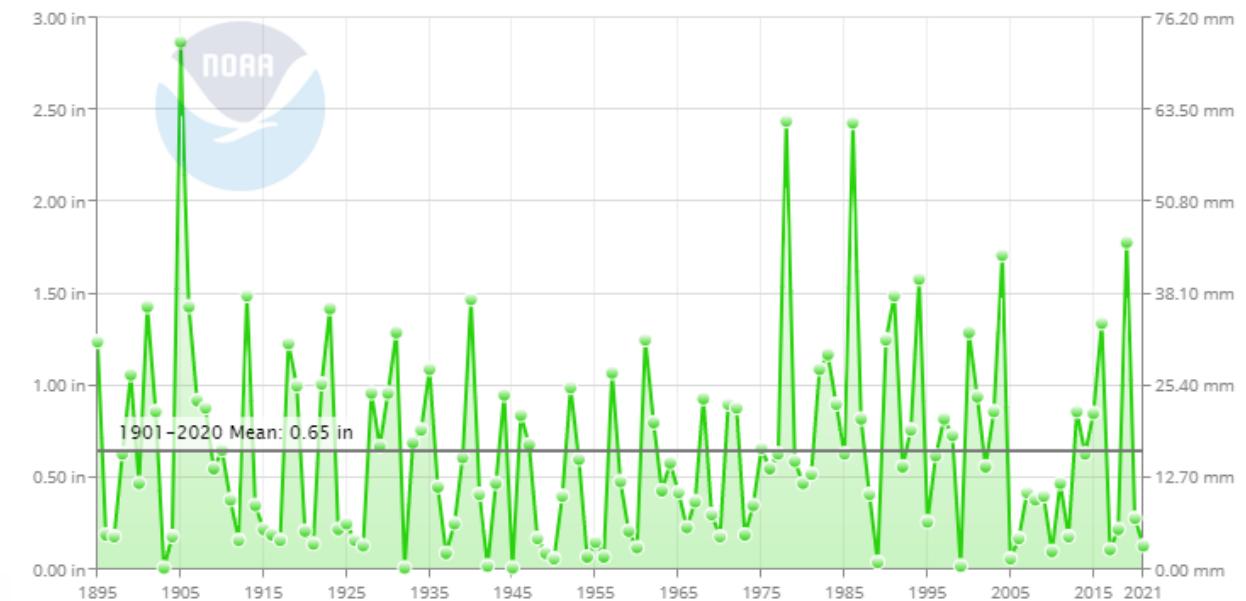
New Mexico Average Temperature

November



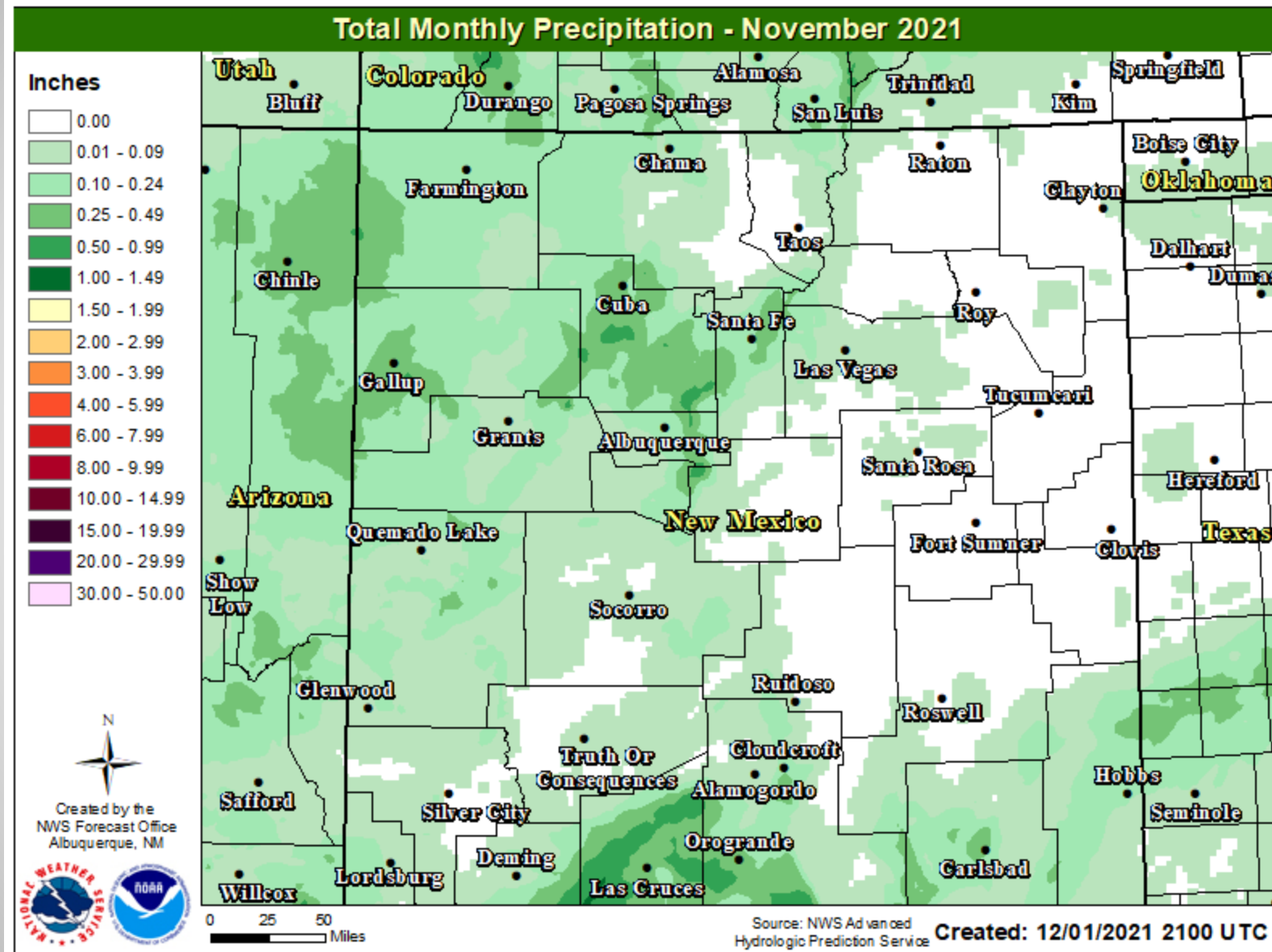
New Mexico Precipitation

November



The average statewide temperature was 48.0° which was 5.5° above the long-term normal of 42.5° (1901-2020). This ranks as the 2nd warmest November on record for New Mexico!

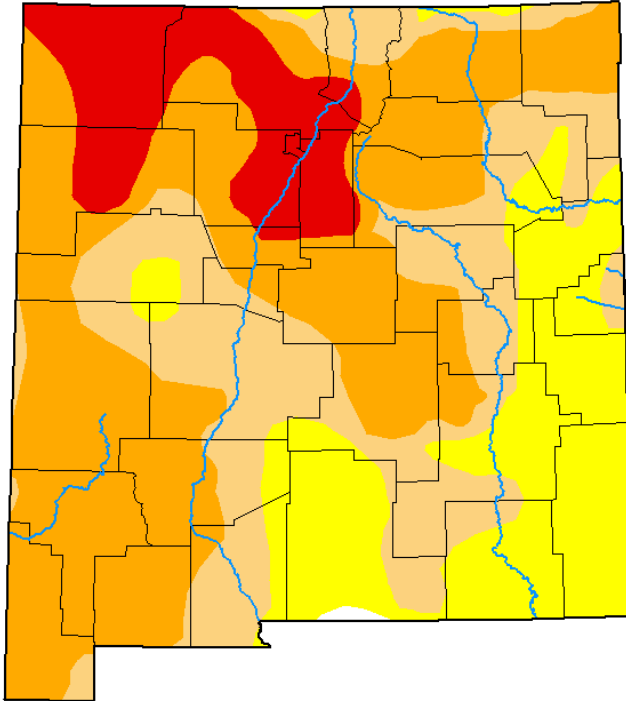
The average statewide precipitation was 0.53" which was 0.12" below the long-term normal of 0.65" (1901-2020). This ranks as a tie for the 16th driest November on record for New Mexico.



Here is a more detailed image of the November 2021 precipitation.



U.S. Drought Monitor New Mexico



November 2, 2021
(Released Thursday, Nov. 4, 2021)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.19	99.81	78.14	51.53	11.20	0.00
Last Week 10-26-2021	1.15	98.85	78.14	50.36	11.20	0.00
3 Months Ago 08-03-2021	12.14	87.86	80.32	67.01	31.31	7.32
Start of Calendar Year 12-29-2020	0.00	100.00	99.97	99.59	82.26	53.20
Start of Water Year 09-28-2021	10.70	89.30	79.47	49.33	19.12	0.00
One Year Ago 11-03-2020	0.00	100.00	99.98	84.82	66.18	7.21

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

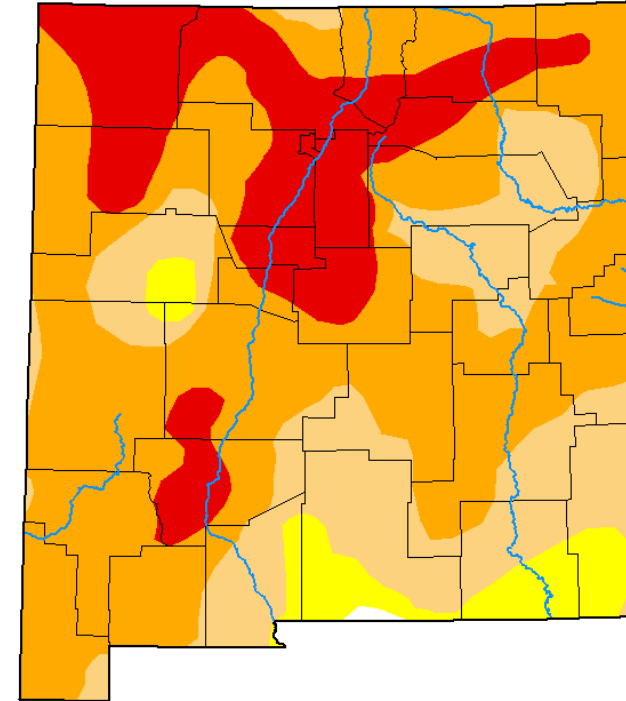
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Adam Hartman
NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



November 30, 2021
(Released Thursday, Dec. 2, 2021)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.15	99.85	94.19	69.50	19.01	0.00
Last Week 11-23-2021	0.15	99.85	88.58	56.14	14.42	0.00
3 Months Ago 08-31-2021	13.53	86.47	75.85	50.05	21.18	0.00
Start of Calendar Year 12-29-2020	0.00	100.00	99.97	99.59	82.26	53.20
Start of Water Year 09-28-2021	10.70	89.30	79.47	49.33	19.12	0.00
One Year Ago 12-01-2020	0.00	100.00	100.00	99.59	82.26	53.27

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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Author:
Richard Heim
NCEI/NOAA

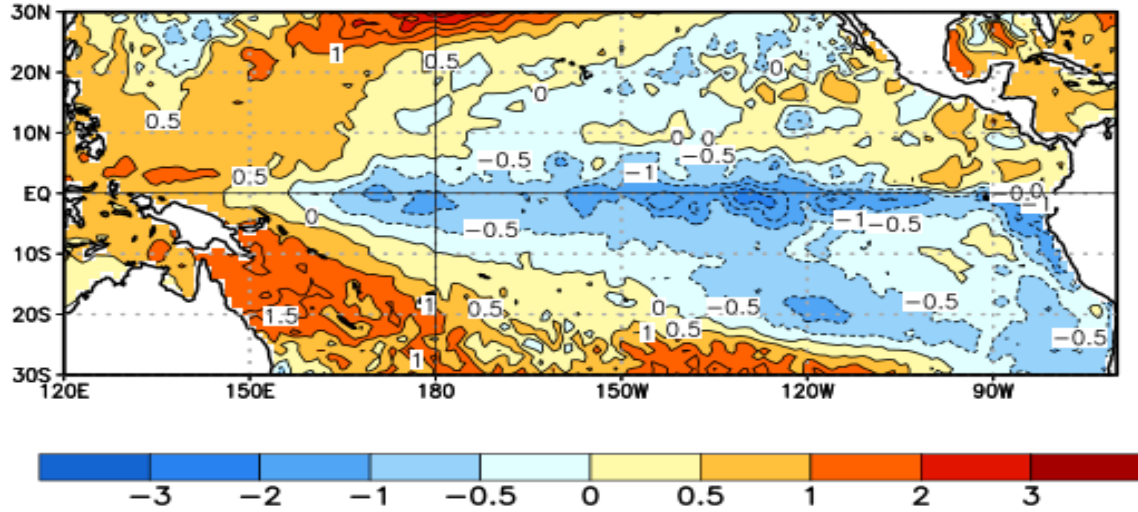


droughtmonitor.unl.edu

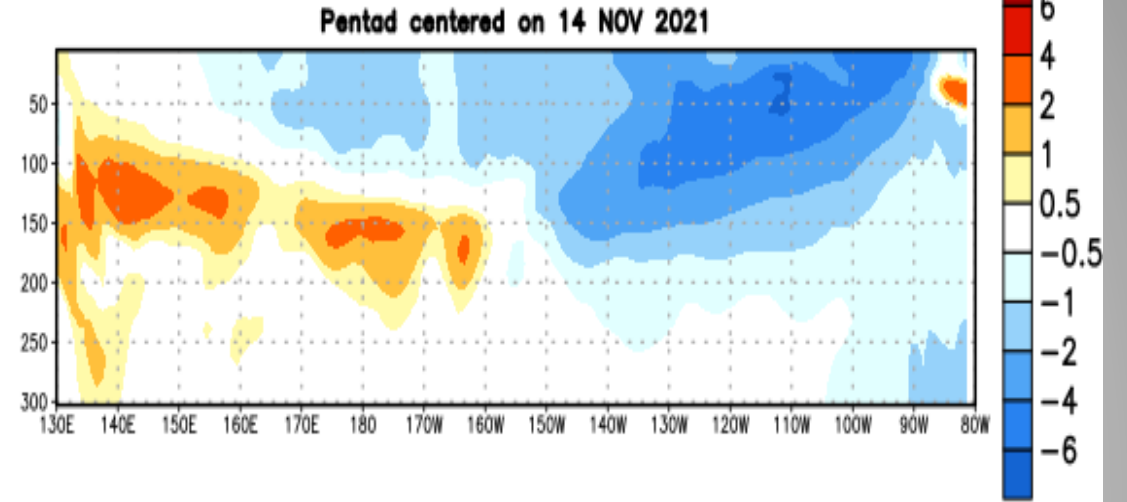
Over the past four weeks (from November 2nd-30th) drought has increased in coverage and intensity in the south and east.



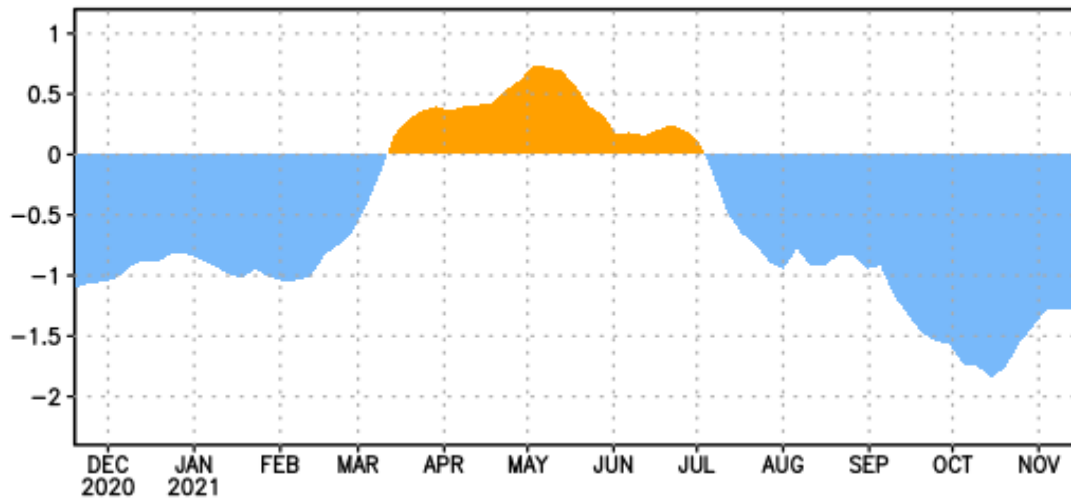
Average SST Anomalies
24 OCT 2021 – 20 NOV 2021



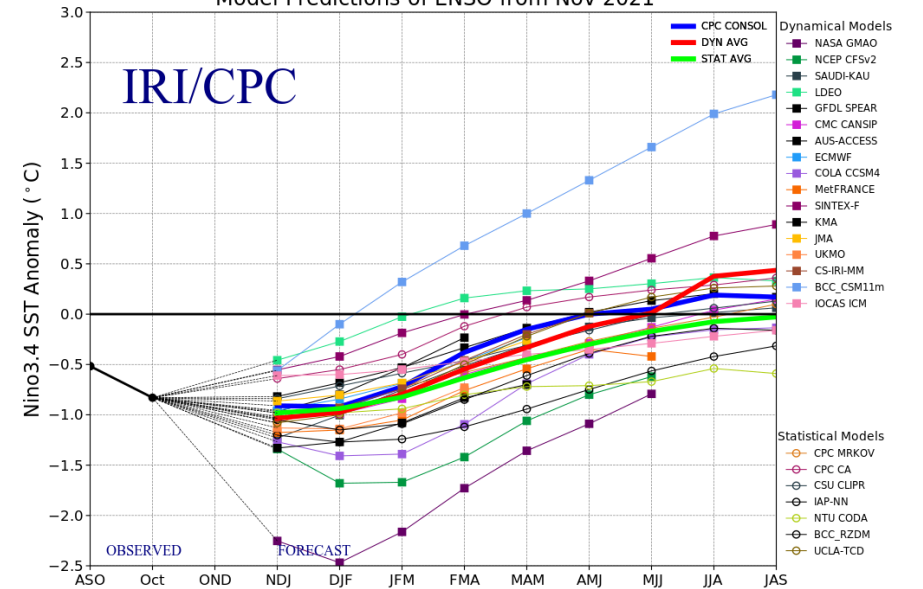
EQ. Subsurface Temperature Anomalies (deg C)



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

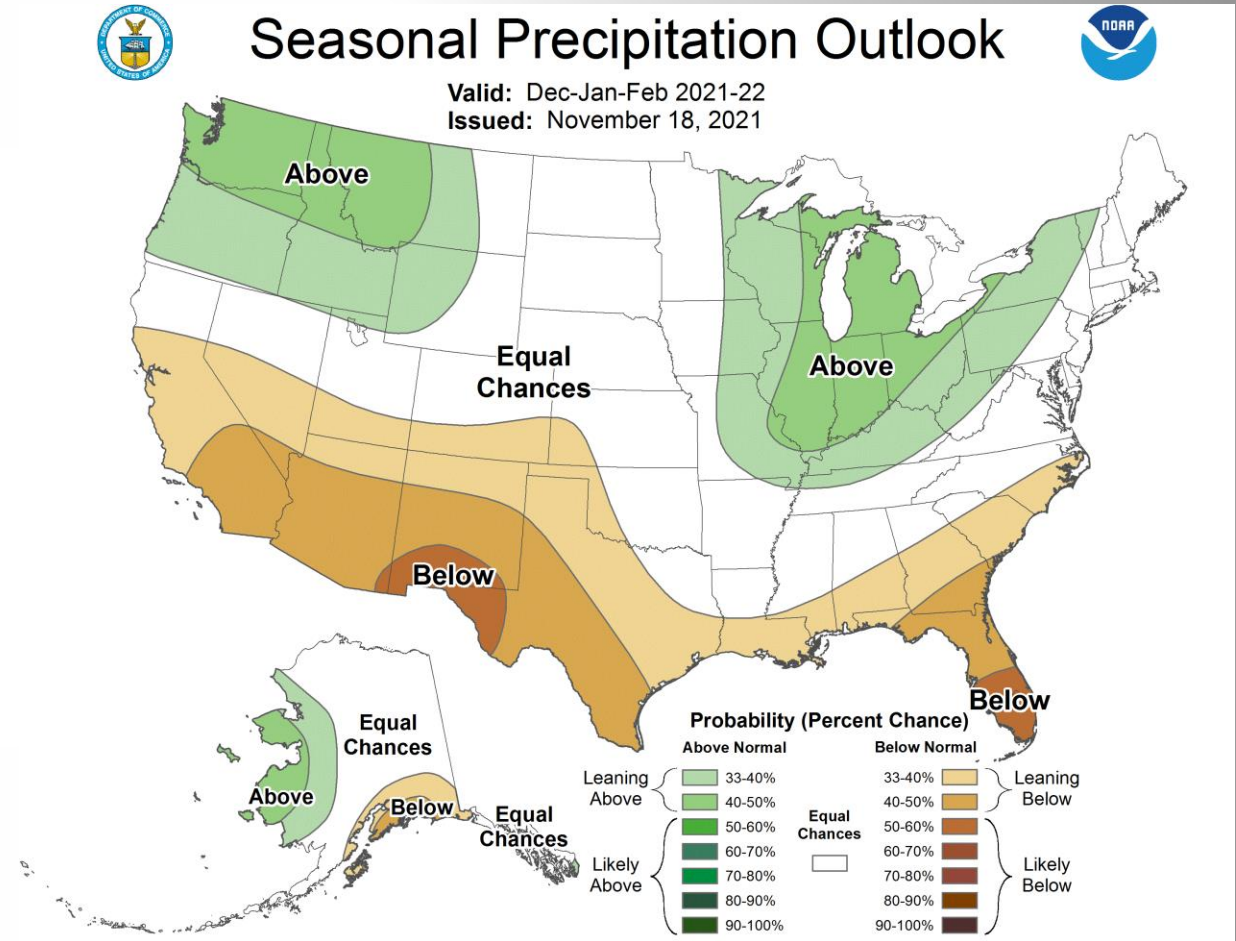
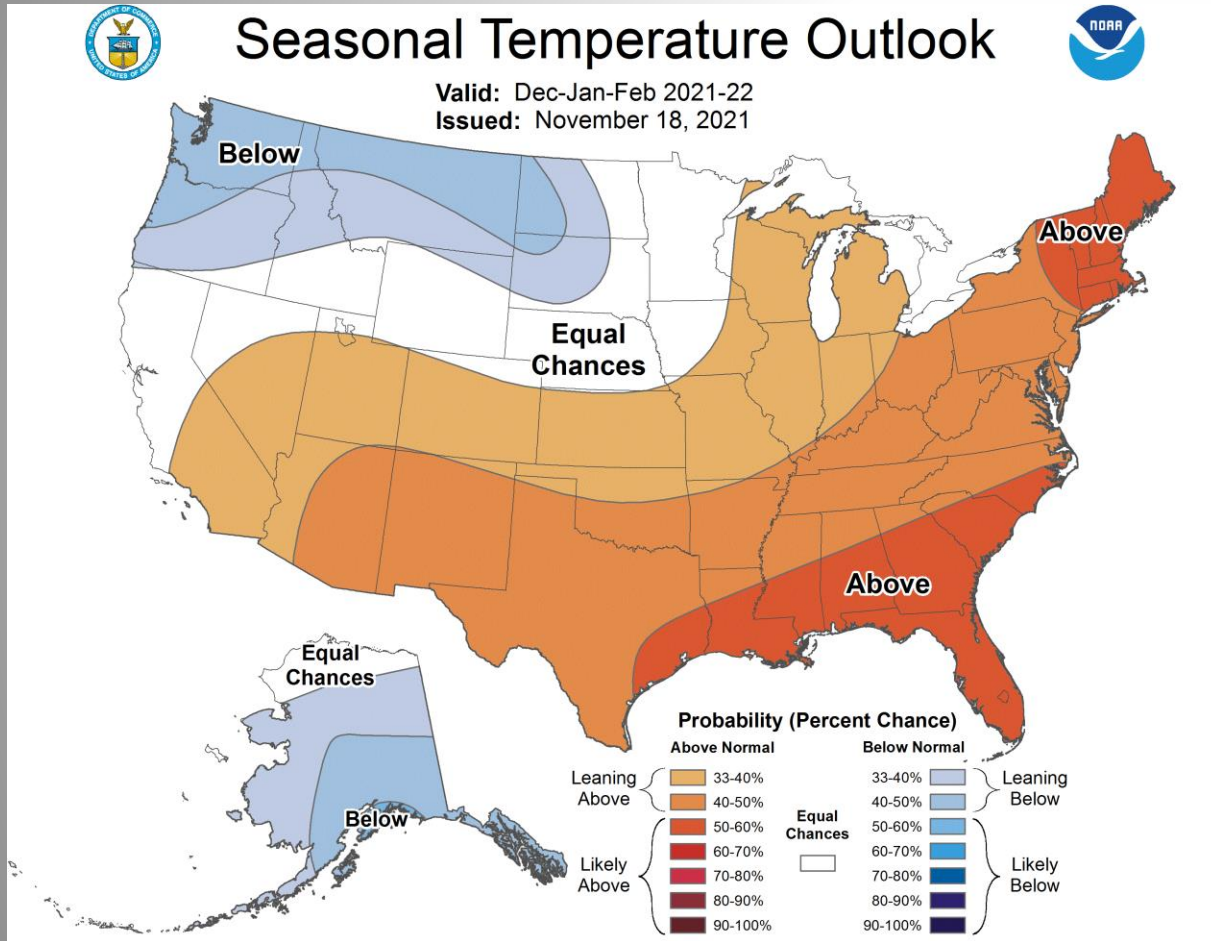


Model Predictions of ENSO from Nov 2021



Temperature December-January-February

Precipitation December-January-February



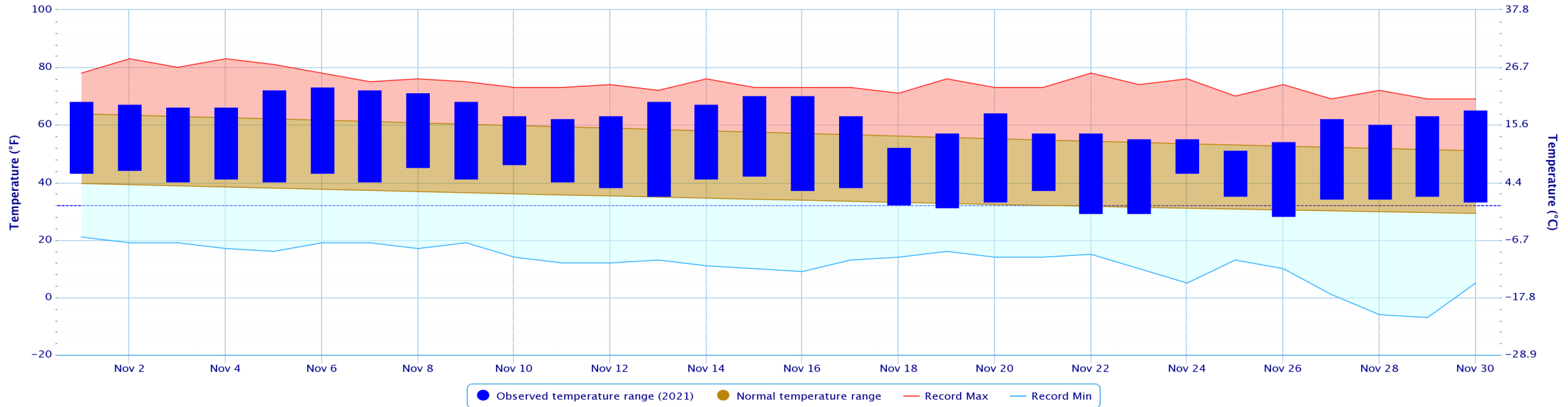
Above normal temperatures and below normal precipitation continue to be the most likely weather pattern for the winter season, especially southern New Mexico.



Average Temperature: 50.5°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2021-12-02. Normals period: 1991-2020. Click and drag to zoom chart.



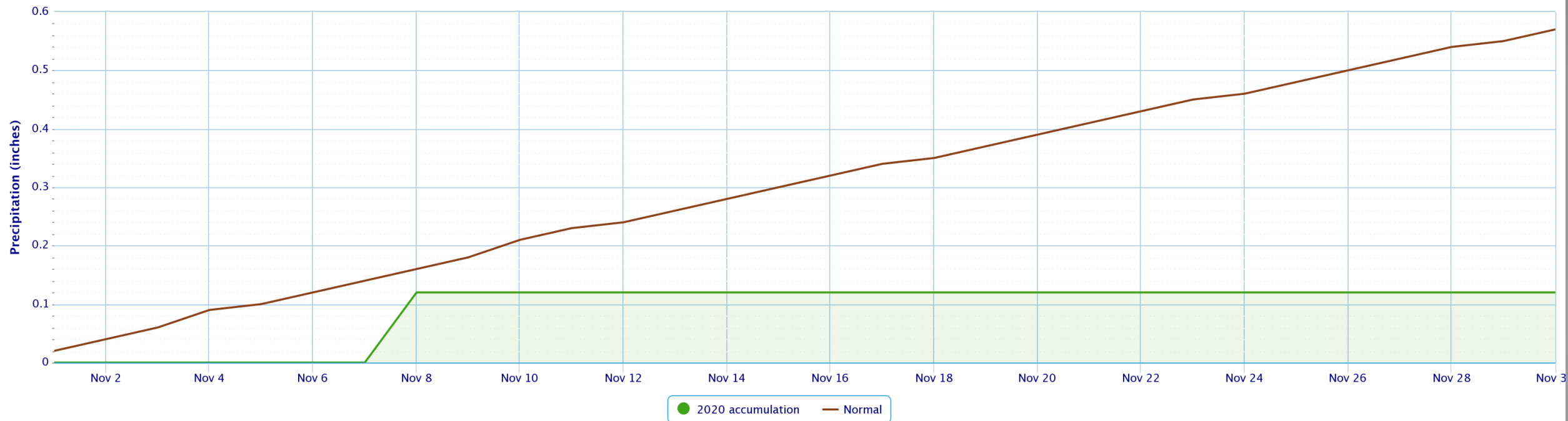
Powered by ACIS

The average temperature for Albuquerque was 50.5°, which was 4.8° above the normal of 45.7°. The average maximum temperature for the month was 63.4°. This was 6.1° above the normal average maximum temperature of 57.3°. The average minimum temperature for the month was 37.6°. This was 3.5° above the normal average minimum temperature of 34.1°. This ranks as the 5th warmest November on record.

Total Precipitation: 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



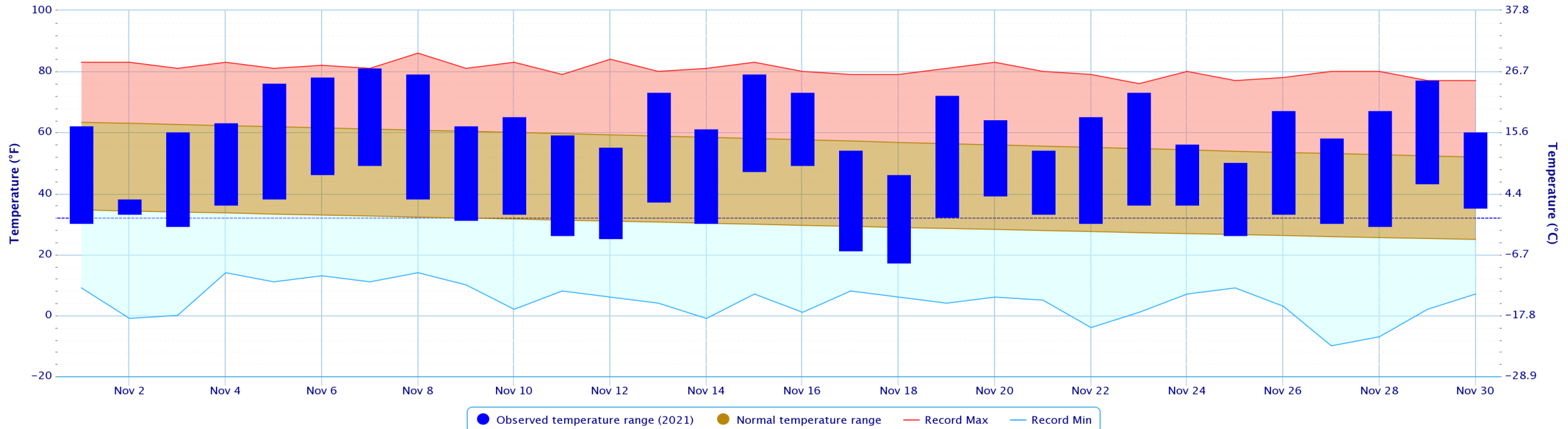
Powered by ACIS

There was 0.12" of precipitation measured at Albuquerque, compared to the normal of 0.57", or 0.45" below normal. This was a tie for the 44th driest November on record. There was no snow compared to the normal of 0.9".

Average Temperature: 49.1°

Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2021-12-02. Normals period: 1991-2020. Click and drag to zoom chart.



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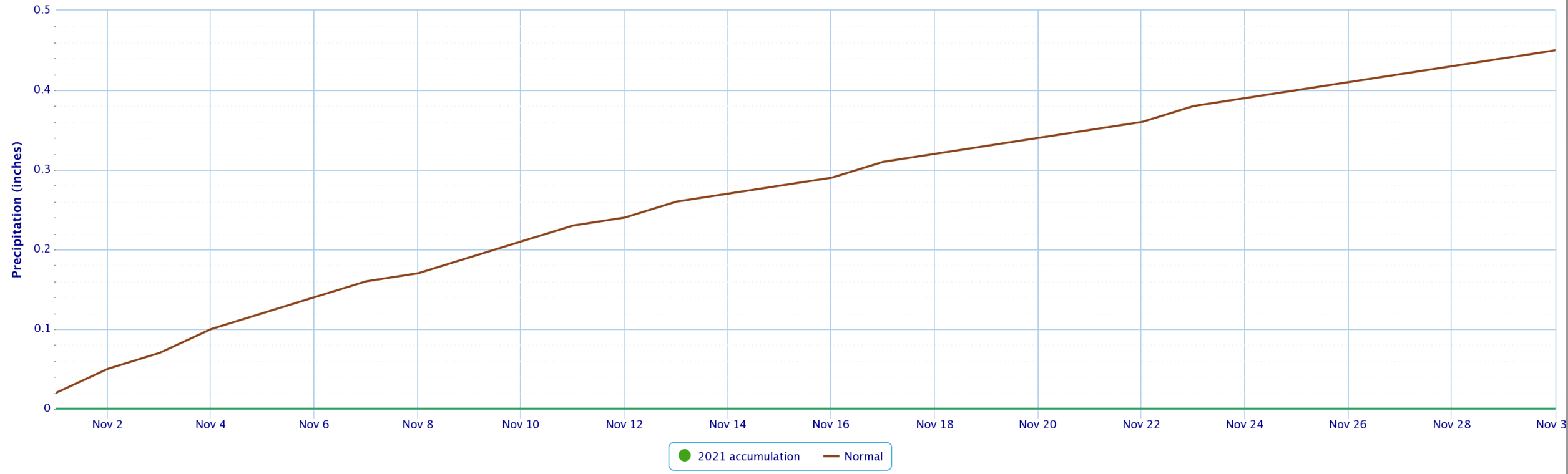
The average temperature for Clayton was 49.1°, which was 5.4° above the normal of 43.7°. The average maximum temperature for the month was 64.2°. This was 6.5° above the normal average maximum temperature of 57.7°. The average minimum temperature for the month was 33.9°. This was 4.8° above the normal average minimum temperature of 29.1°. This ranks as the 5th warmest November on record.



Total Precipitation: Trace

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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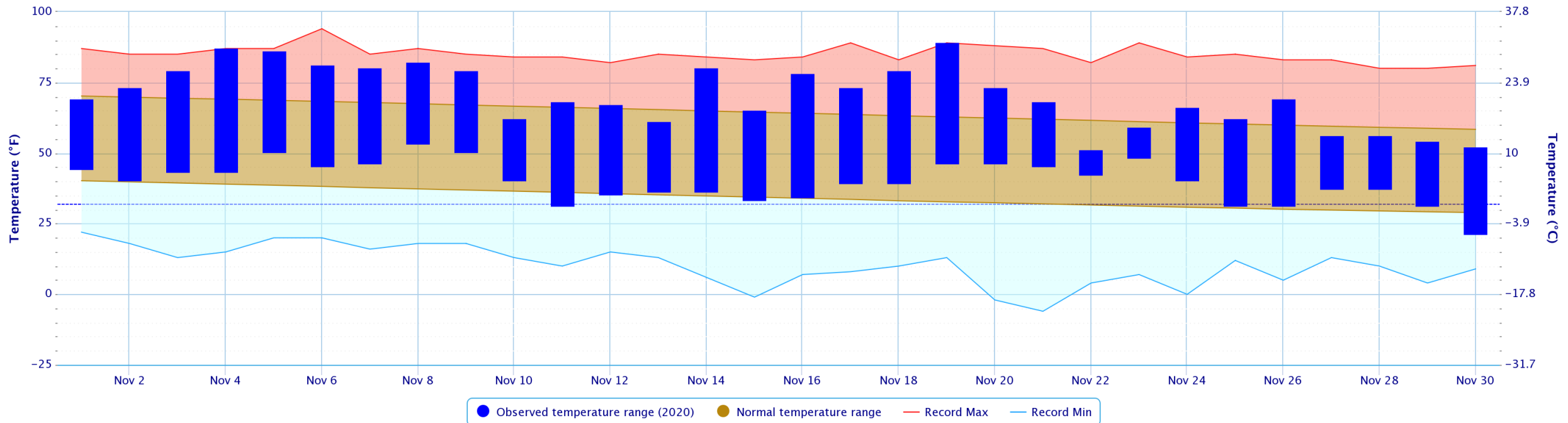
There was only a trace of precipitation measured at Clayton, compared to the normal of 0.45". There was no snow compared to the normal of 3.0".



Average Temperature: 53.7°

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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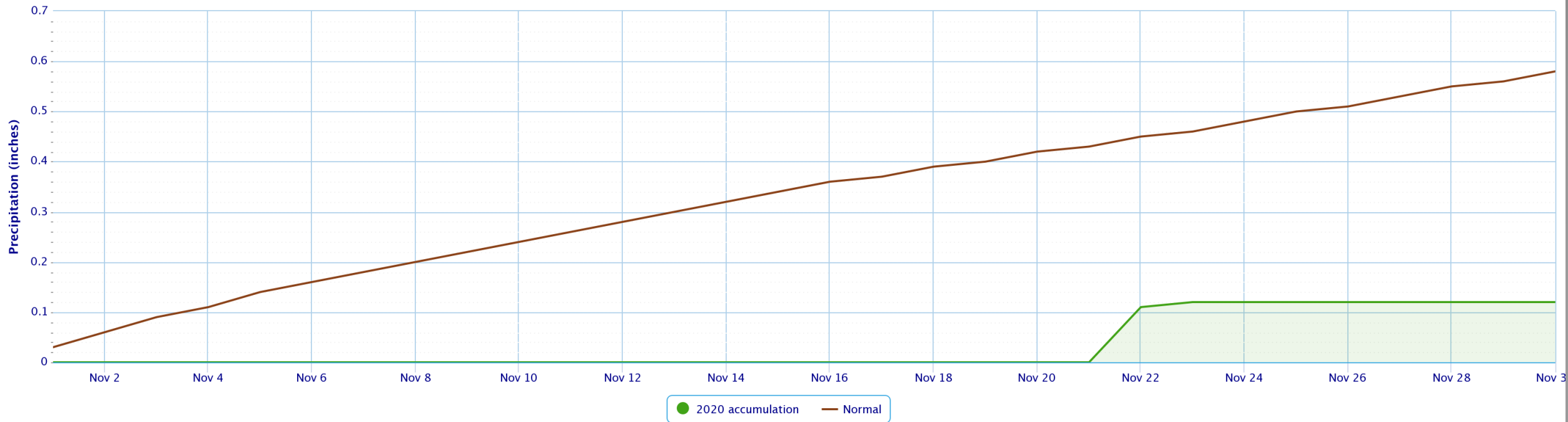
The average temperature for Roswell was 53.7°, which was 2.7° above the normal of 51.0°. The average maximum temperature for the month was 70.4°. This was 4.7° above the average maximum temperature of 65.7°. The average minimum temperature for the month was 37.0°. This was 0.7° above the normal average minimum temperature of 36.3°. This was tied for the 4th warmest November on record!



Total Precipitation: Trace

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 only a trace of precipitation measured at Roswell, compared to the normal of 0.45". There was no snow compared to the normal of 1.2".



Event Type	Begin Date	County/Zone Name	Magnitude	Type	Event Narrative
No Severe Weather Reports for November 2021					

*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
-  NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
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