



Synopsis

April 2021 was drier to much drier than normal statewide. Temperatures varied across the state with above normal in the west, near normal central and below normal in the east.

Not much precipitation fell on the parched ground of New Mexico. Instead, wind was the primary focus for weather in April – which it often is. Strong to high winds buffeted the state on the 6th, 23rd and 26th.



Blowing dust in Los Lunas – April 24, 2021
©Janus Zeal



Three Rivers Fire northwest of Ruidoso – April 27, 2021
©Will Jones



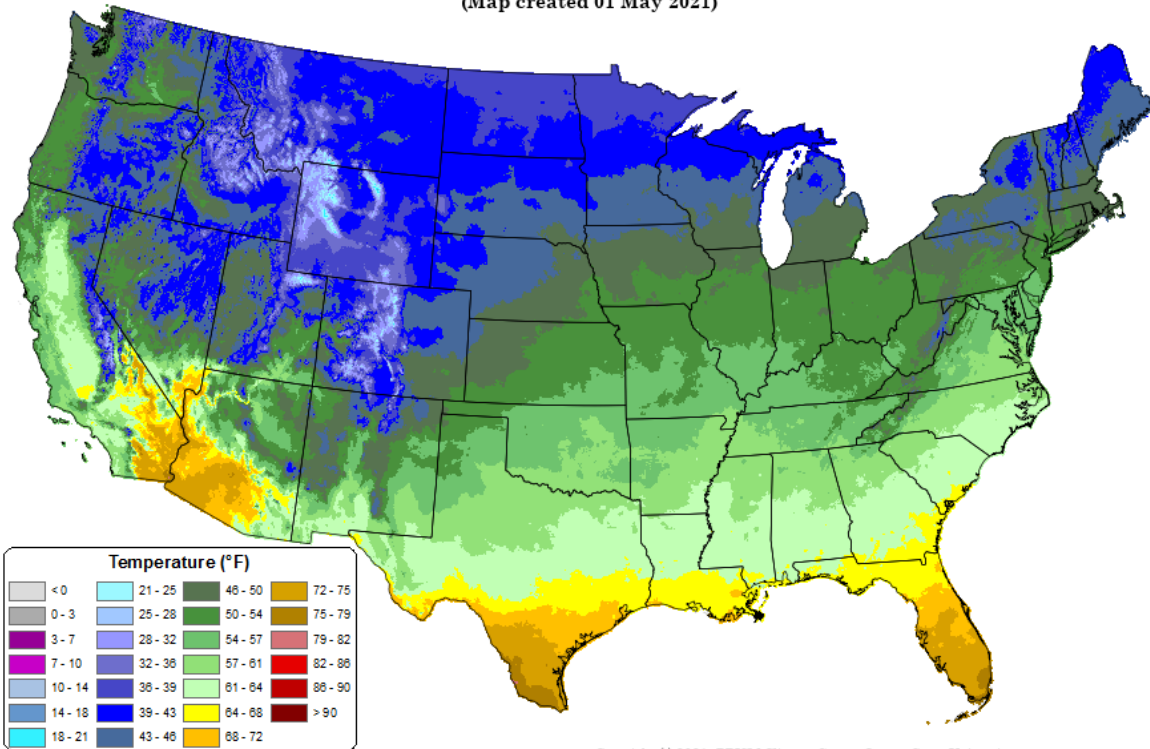
Peterson Fire near Montezuma – April 24, 2021
©Robin Padilla Salazar (Twitter)



Actual

Average Daily Mean Temperature: 01 Apr 2021 - 30 Apr 2021

Period ending 7 AM EST 30 Apr 2021
(Map created 01 May 2021)

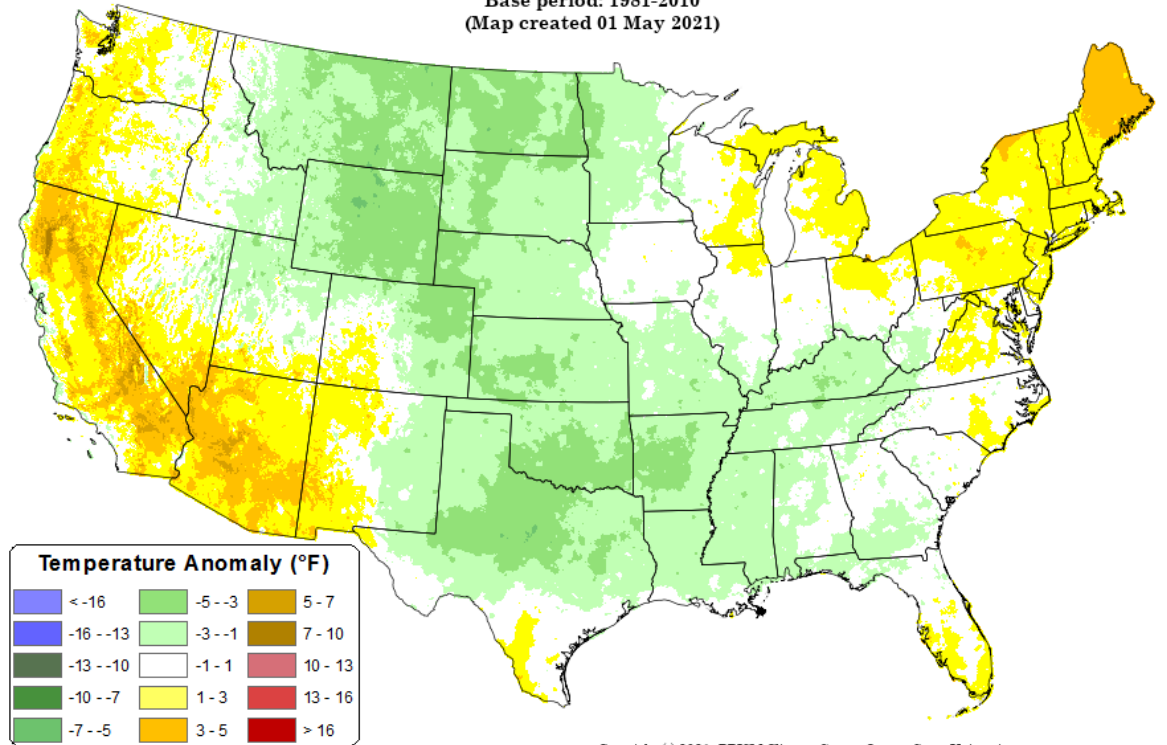


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Anomaly

Daily Mean Temperature Anomaly: 01 Apr 2021 - 30 Apr 2021

Period ending 7 AM EST 30 Apr 2021
Base period: 1981-2010
(Map created 01 May 2021)



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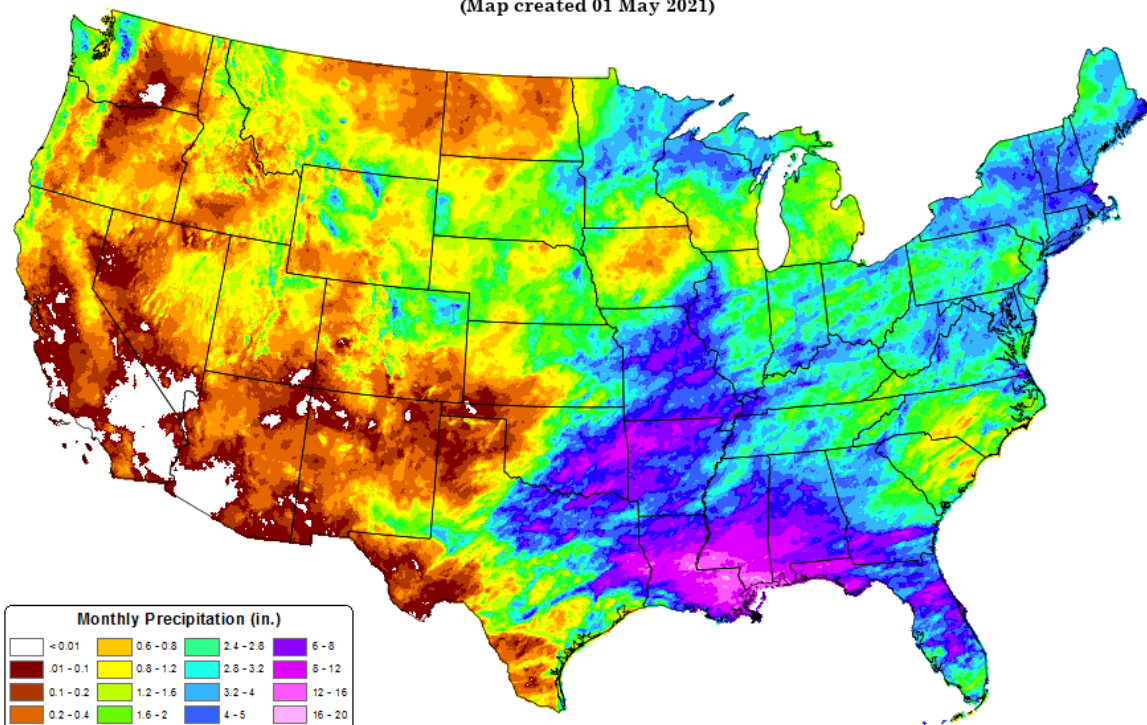
Temperatures were above normal in the west, near normal in central areas and below normal in the east.



Actual

Total Precipitation: 01 Apr 2021 - 30 Apr 2021

Period ending 7 AM EST 30 Apr 2021
(Map created 01 May 2021)

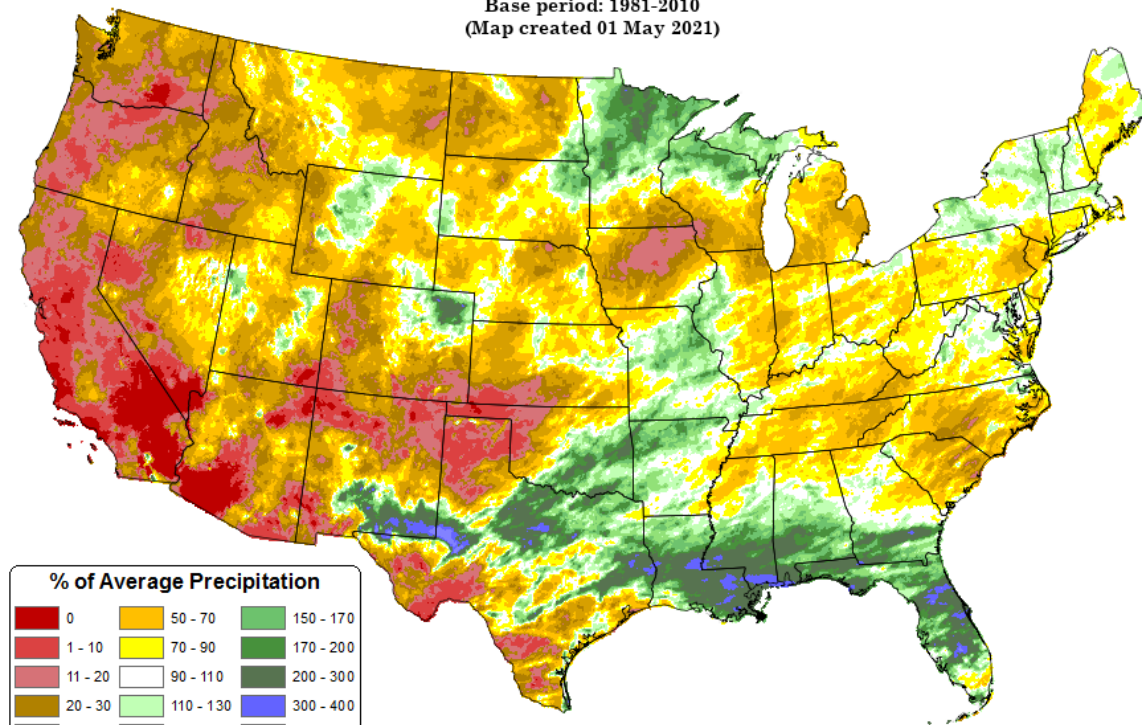


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Anomaly

Total Precipitation Anomaly: 01 Apr 2021 - 30 Apr 2021

Period ending 7 AM EST 30 Apr 2021
Base period: 1981-2010
(Map created 01 May 2021)



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Precipitation was below to much below normal statewide, except for south central and southeast areas which were much above normal.

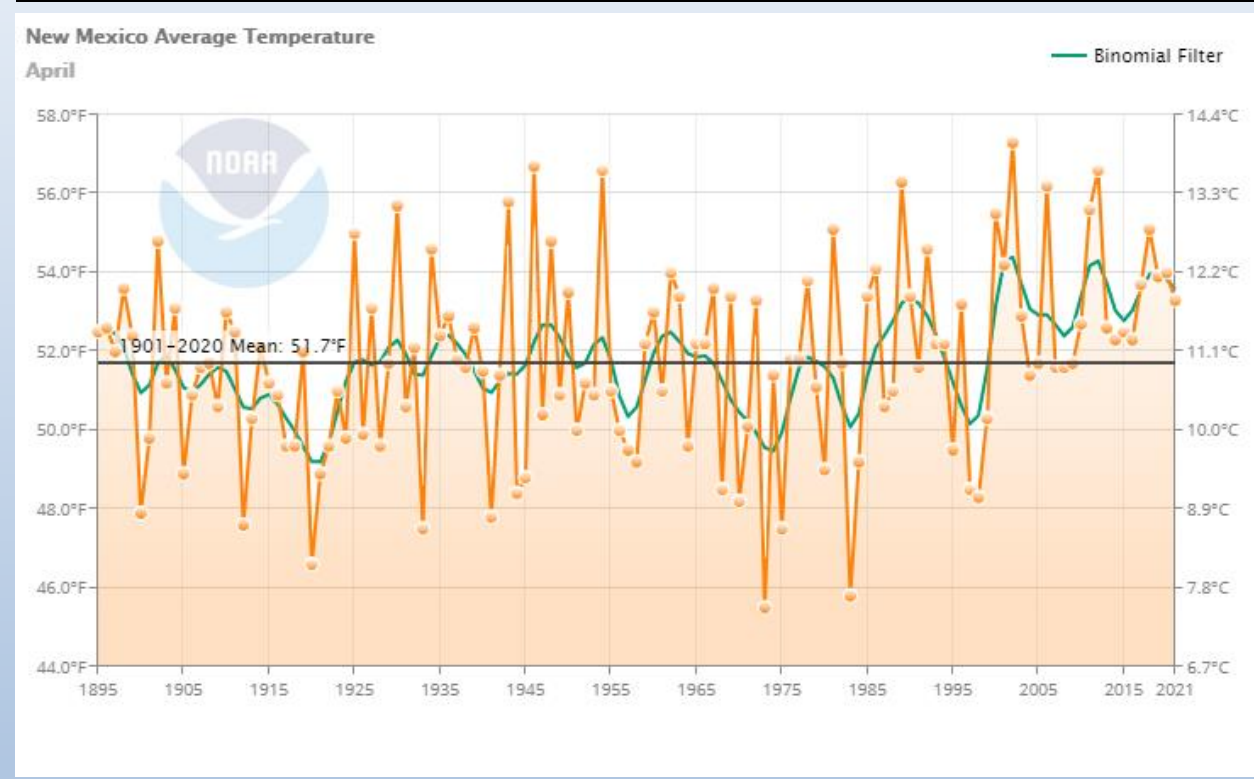
April 2021 Climate Summary

Statewide Temperature & Precipitation Trends

Weather Forecast Office
Albuquerque, NM
Issued January 8, 2022 8:20 PM MDT

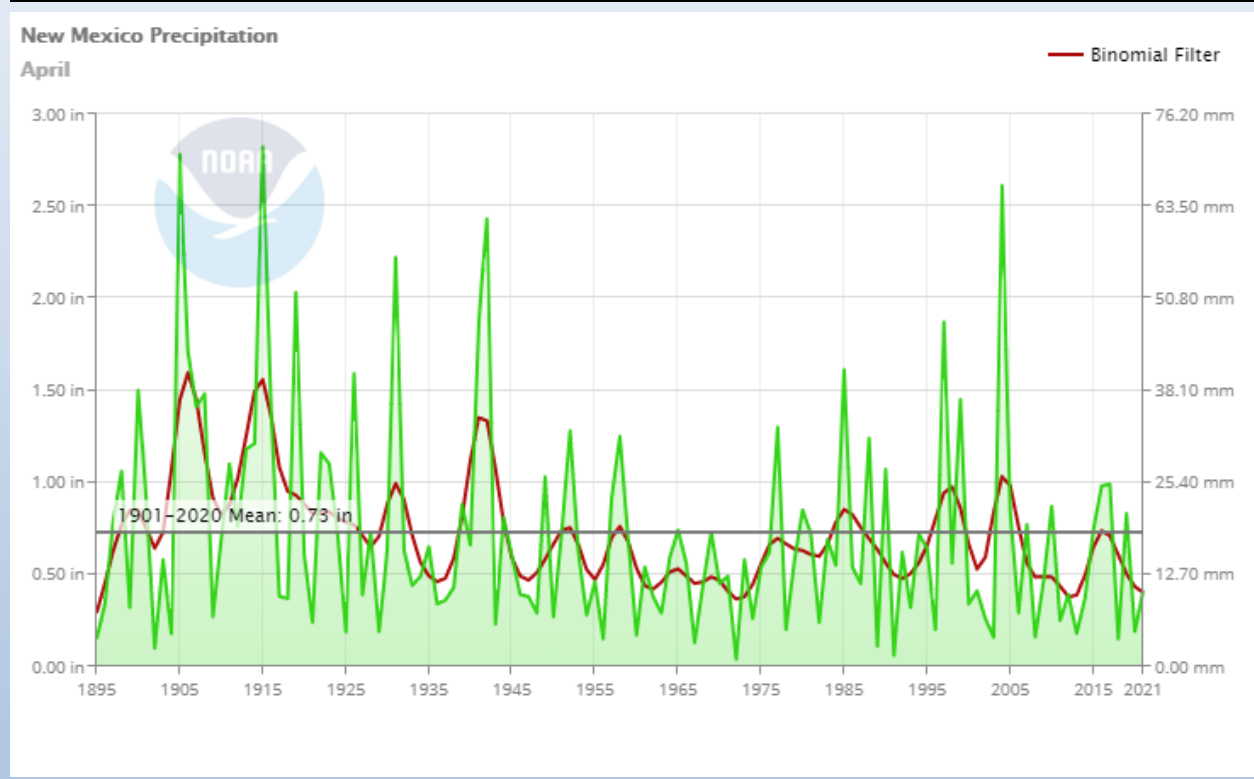


Temperature



The average statewide temperature was 53.3°, which was 1.6° above the long-term normal of 51.7° (1901-2020). This ranked as the 32nd warmest April on record.

Precipitation



The average statewide precipitation was 0.41", which was 0.32" below the long-term normal of 0.73" (1901-2020). This ranked as the 45th driest April on record.

April 2021 Climate Summary

Albuquerque Sunport Temperatures

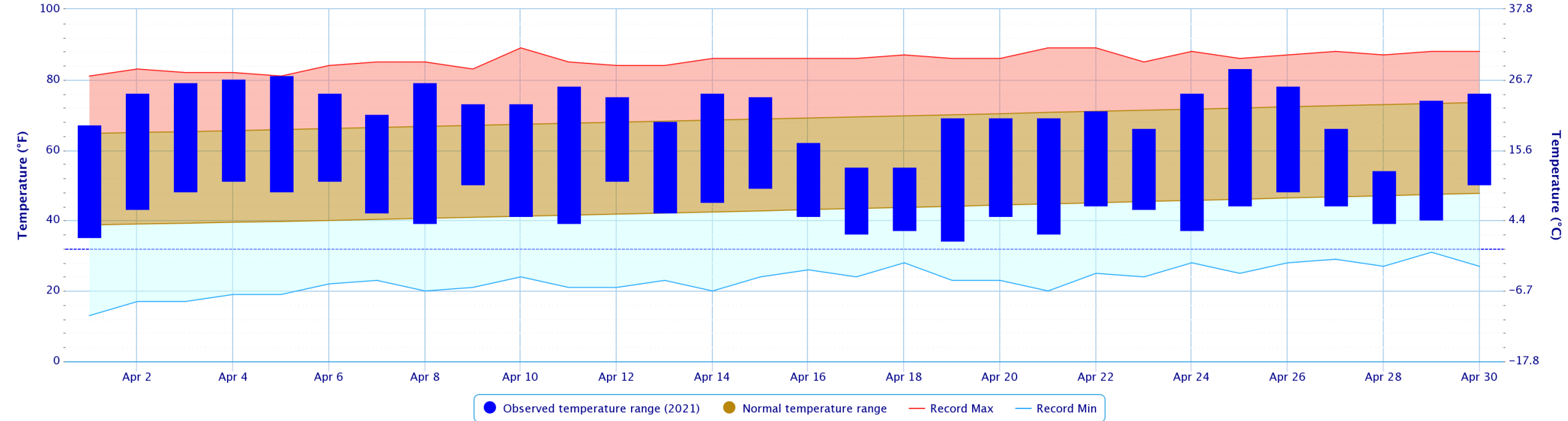
Weather Forecast Office
Albuquerque, NM
Issued January 8, 2022 8:20 PM MDT



Average Temperature: 57.3°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2021-04-30. Normals period: 1981-2010. Click and drag to zoom chart.



Powered by ACIS

The average April temperature for Albuquerque was 57.3°, which was 1.3° above the normal of 56.0°. The average maximum temperature for the month was 71.6°. This was 2.6° above the normal average maximum temperature of 69.0°. The average minimum temperature for the month was 42.9°. This was 0.1° below the normal average minimum temperature of 43.0°. April 2021 was tied for the 34th warmest on record.

April 2021 Climate Summary

Albuquerque Sunport Precipitation

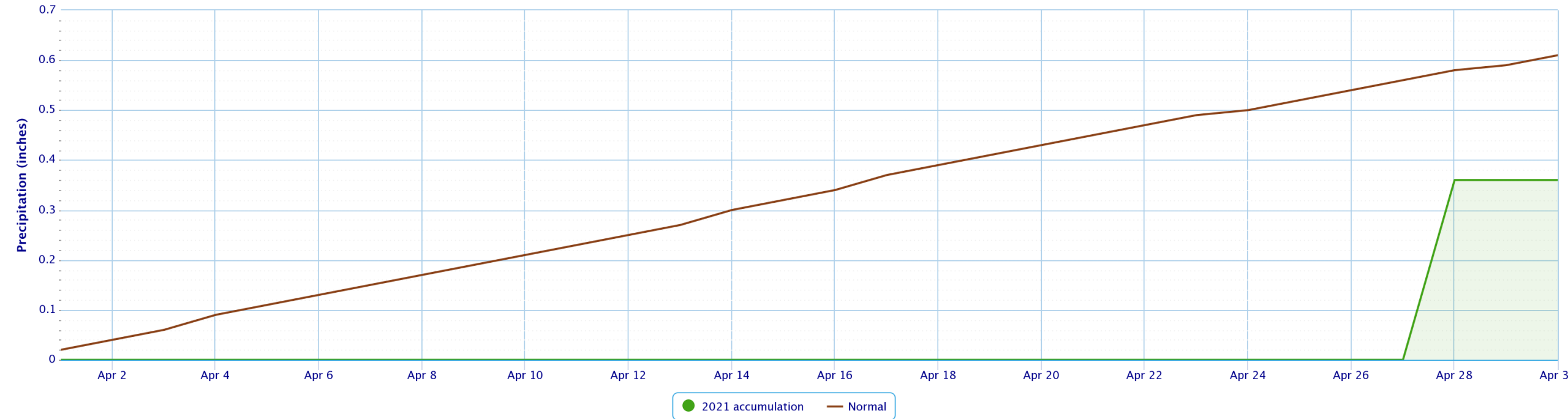
Weather Forecast Office
Albuquerque, NM
Issued January 8, 2022 8:20 PM MDT



Total Precipitation: 0.36"

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 0.36" of precipitation measured at the Sunport, compared to the normal of 0.61", or 0.25" below normal. This ranks as the 67th driest April on record (1892-2021). Snowfall did not occur this April, compared to the normal of 1.1". This was tied with 29 other April's for the least snowiest April on record.

April 2021 Climate Summary

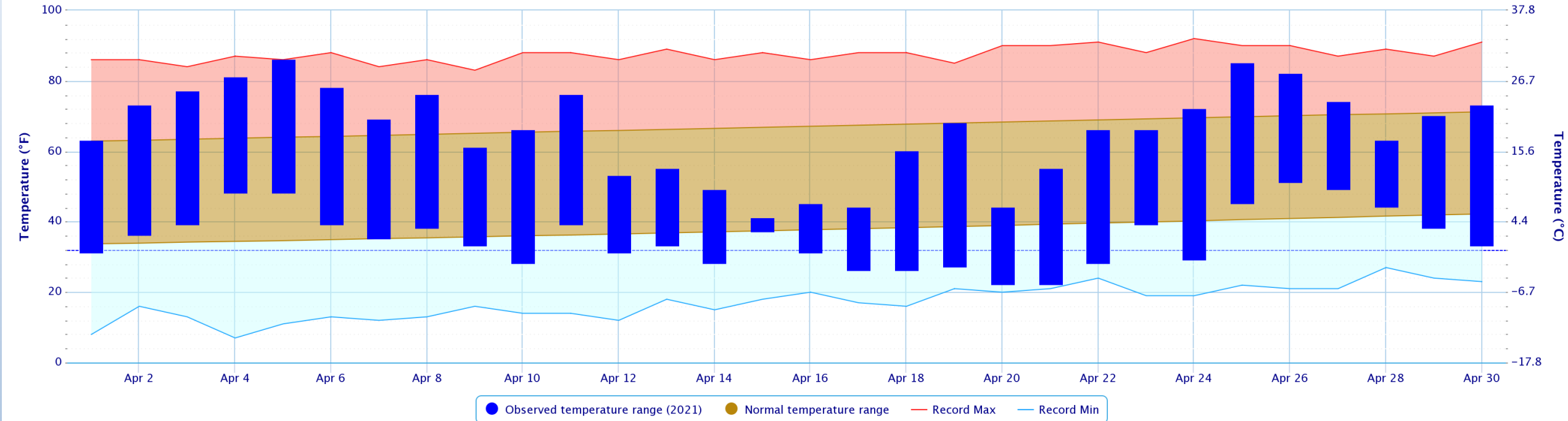
Clayton Temperatures



Average Temperature: 50.4°

Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2021-04-30. Normals period: 1981-2010. Click and drag to zoom chart.



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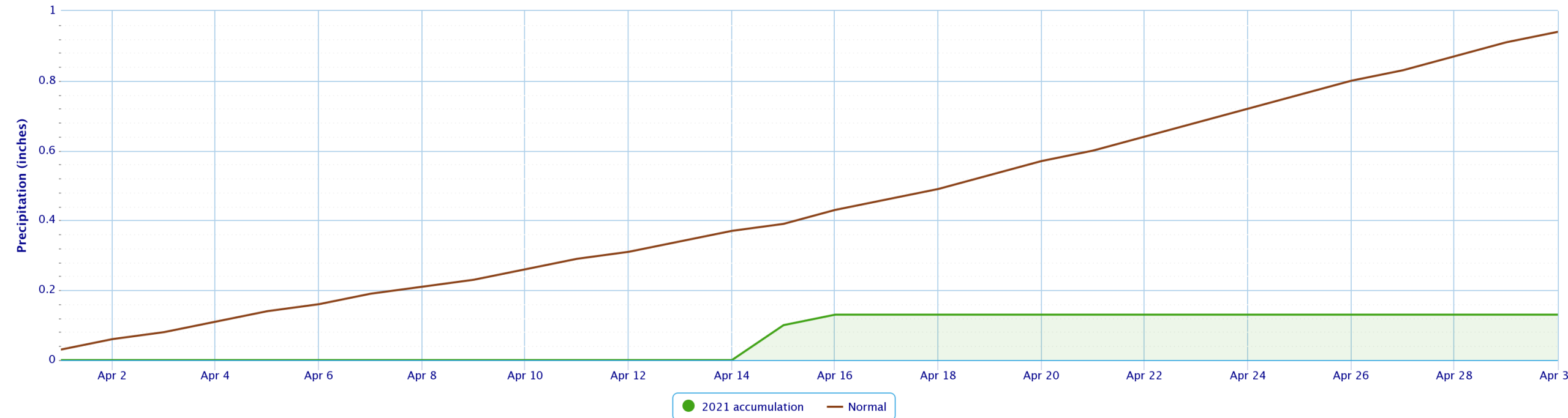
The average April temperature for Clayton was 50.4°, which was 2.0° below the normal of 52.4°. The average maximum temperature for the month was 65.7°. This was 1.3° below the normal average maximum temperature of 67.0°. The average minimum temperature for the month was 35.1°. This was 2.6° below the normal average minimum temperature of 37.7°. April 2021 was the 37th coolest April on record.



Total Precipitation 0.13"

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 0.13" of precipitation measured at Clayton, compared to the normal of 0.94", or 0.81" below normal. This ranks as the 14th driest April on record (1892-2020). There was only a trace of snow, compared to the normal of 1.5". There were 21 other April's with a trace of snow, and 21 with no snow reported in April.

April 2021 Climate Summary

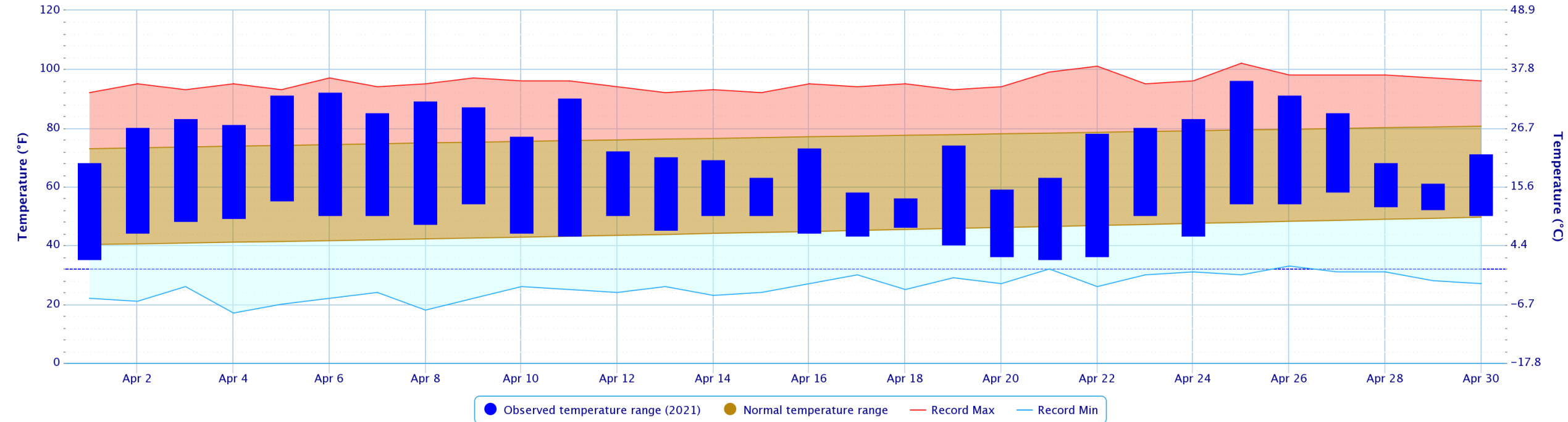
Roswell Temperatures



Average Temperature: 61.7°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893–01–03 to 2021–05–01; Min temperature: 1893–01–21 to 2021–05–01. Normals period: 1981–2010. Click and drag to zoom chart.



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The average April temperature for Roswell was 61.7°, which was 0.9° above the normal of 60.8°. The average maximum temperature for the month was 76.4°. This was 0.4° below the average maximum temperature of 76.8°. The average minimum temperature for the month was 46.9°. This was 2.2° above the normal average minimum temperature of 44.7°. April 2021 was tied for the 37th warmest April on record.

April 2021 Climate Summary

Roswell Precipitation

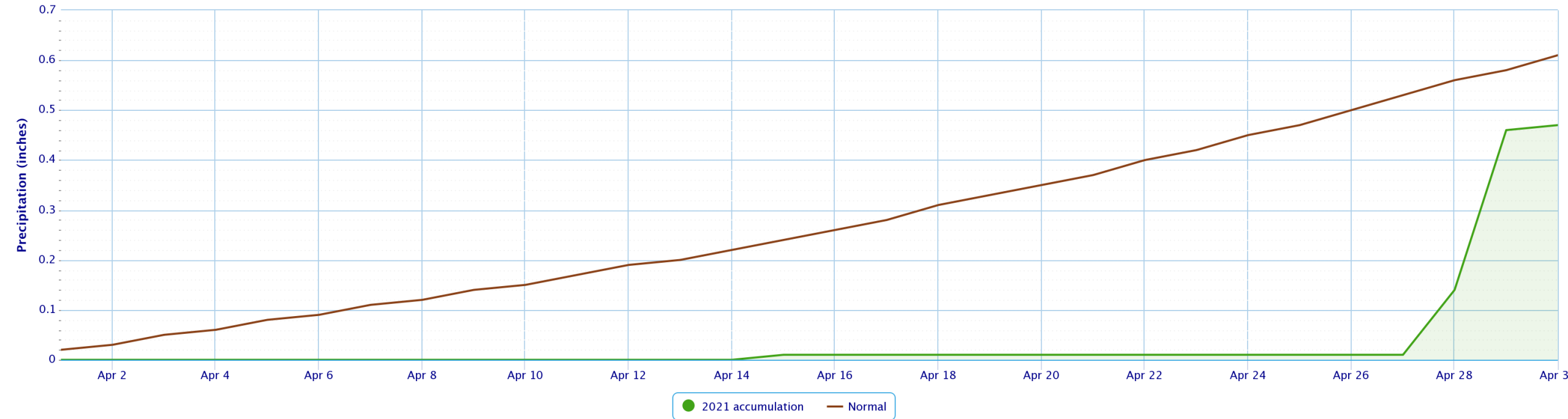
Weather Forecast Office
Albuquerque, NM
Issued January 8, 2022 8:20 PM MDT



Total Precipitation 0.47"

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

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



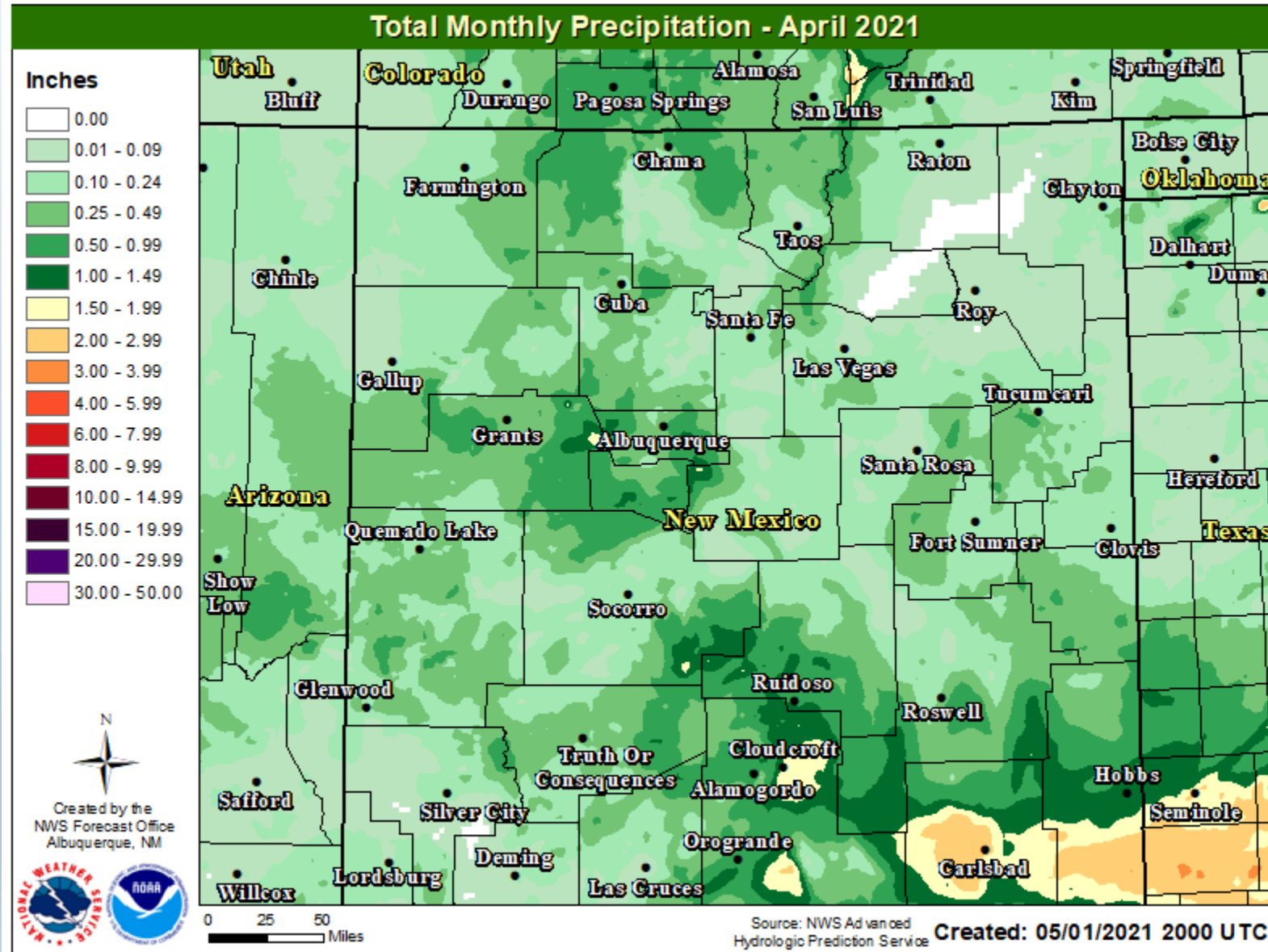
Powered by ACIS

There was 0.47" of precipitation measured at Roswell, compared to the normal of 0.61", or 0.14" below normal. This ranks as the 77th driest April on record (1892-2020). There was no snow, compared to the normal of 0.3".

April 2021 Climate Summary

Monthly Precipitation

Weather Forecast Office
Albuquerque, NM
Issued January 8, 2022 8:20 PM MDT



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



April 6

April 27

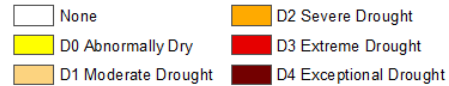
U.S. Drought Monitor New Mexico

April 6, 2021
(Released Thursday, Apr. 8, 2021)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	99.35	79.88	53.50
Last Week 03-30-2021	0.00	100.00	100.00	99.35	79.88	53.28
3 Months Ago 01-05-2021	0.00	100.00	99.96	99.59	82.26	53.20
Start of Calendar Year 12-29-2020	0.00	100.00	99.97	99.59	82.26	53.20
Start of Water Year 09-29-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 04-07-2020	55.52	44.48	26.31	11.75	0.00	0.00

Intensity:



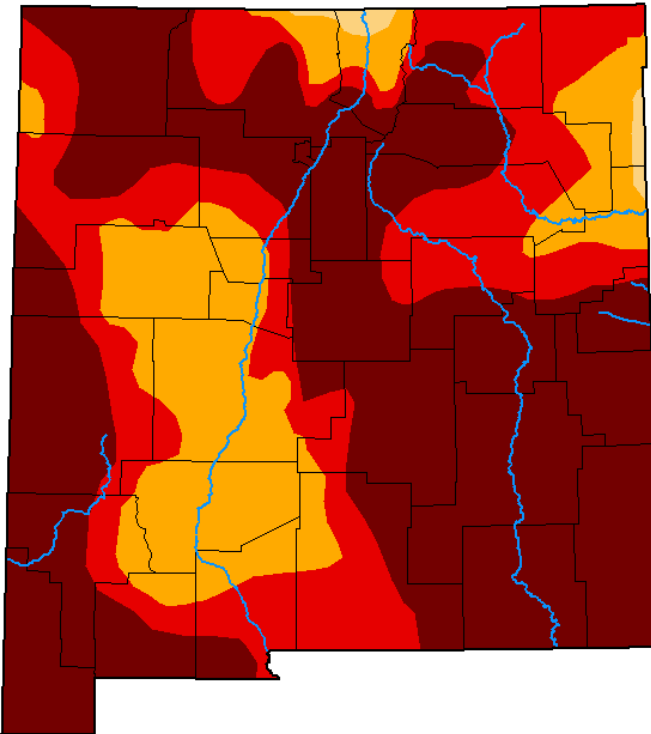
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu



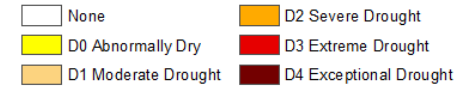
U.S. Drought Monitor New Mexico

April 27, 2021
(Released Thursday, Apr. 29, 2021)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	99.37	80.93	53.16
Last Week 04-20-2021	0.00	100.00	100.00	99.37	79.88	53.50
3 Months Ago 01-26-2021	0.00	100.00	99.96	99.57	82.05	54.25
Start of Calendar Year 12-29-2020	0.00	100.00	99.97	99.59	82.26	53.20
Start of Water Year 09-29-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 04-28-2020	56.24	43.76	26.22	13.43	0.00	0.00

Intensity:



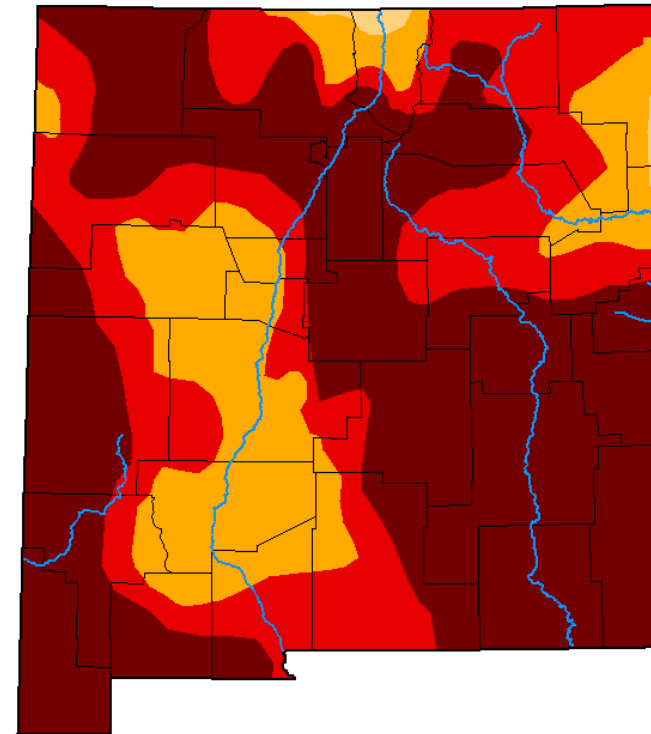
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Heim
NCEI/NOAA



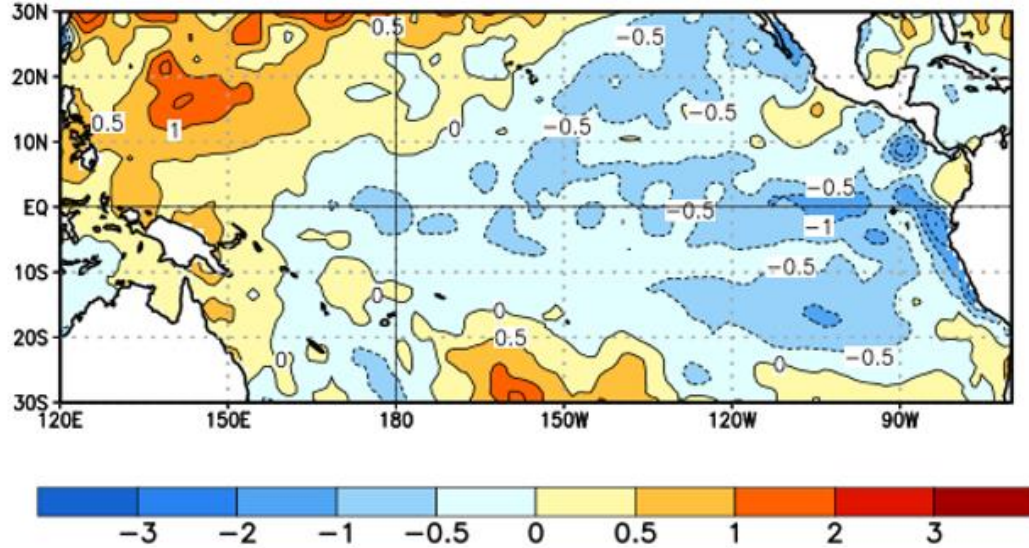
droughtmonitor.unl.edu



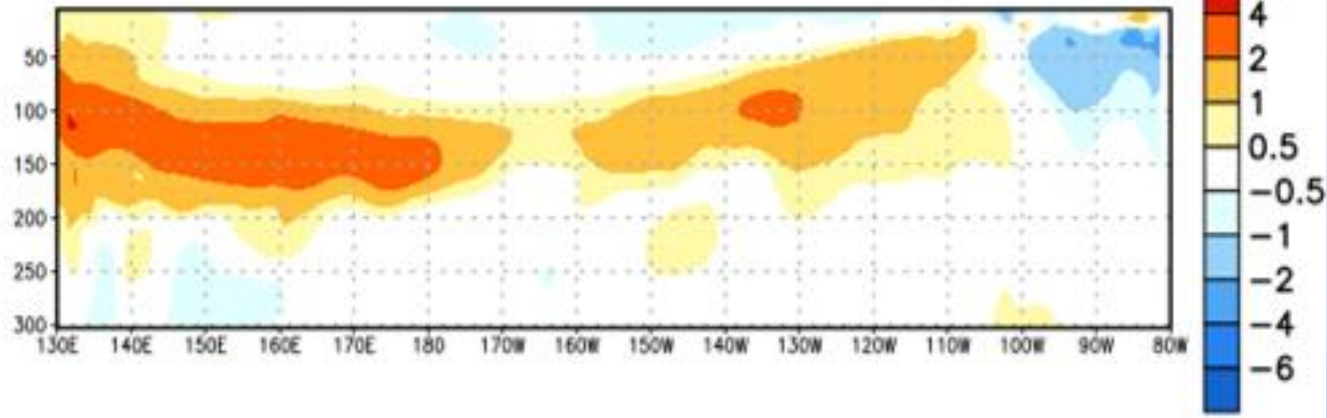
Little change to drought conditions through much of April 2021. Extreme to exceptional drought covers just over 80% of the state, of which over 53% is exceptional drought.



Average SST Anomalies
21 MAR 2021 – 17 APR 2021



EQ. Subsurface Temperature Anomalies (deg C)
Pentad centered on 13 APR 2021



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

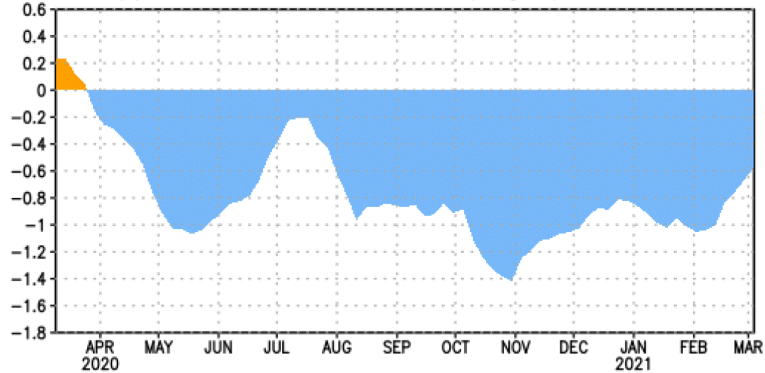
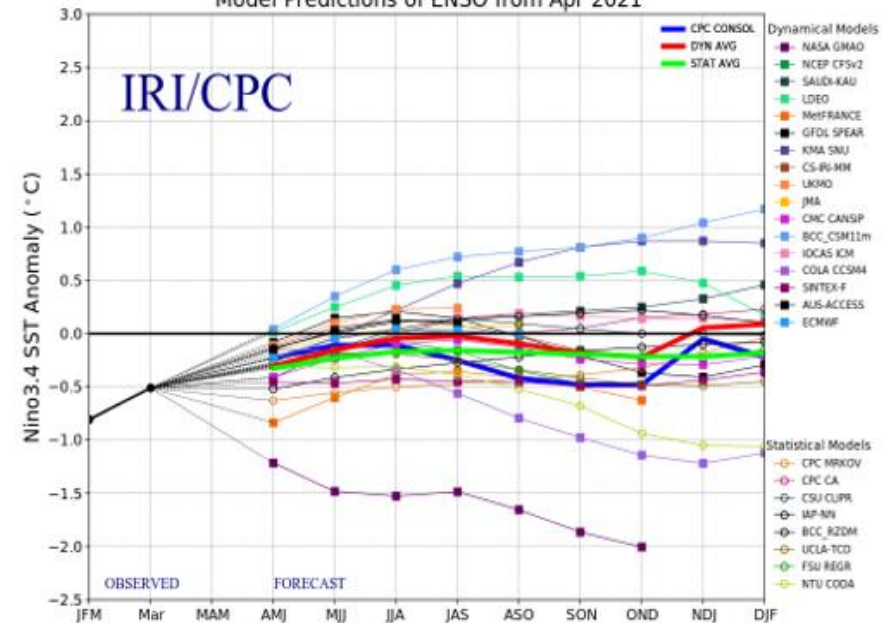


Figure 3. Area-averaged upper-ocean heat content anomaly ($^{\circ}\text{C}$) in the equatorial Pacific (5°N – 5°S , 180° – 100°W). The heat content anomaly is computed as the departure from the 1991–2020 base period pentad means.

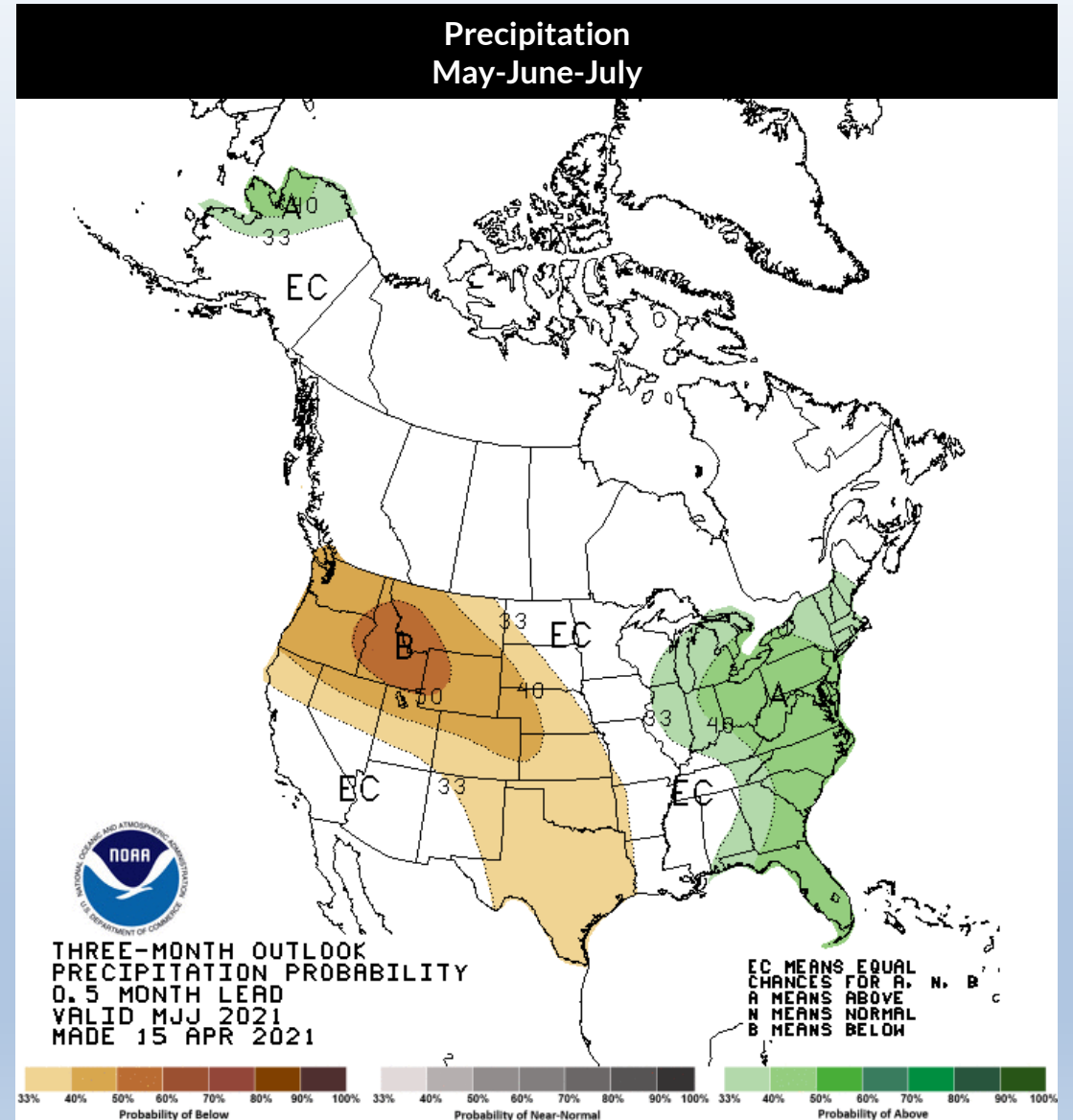
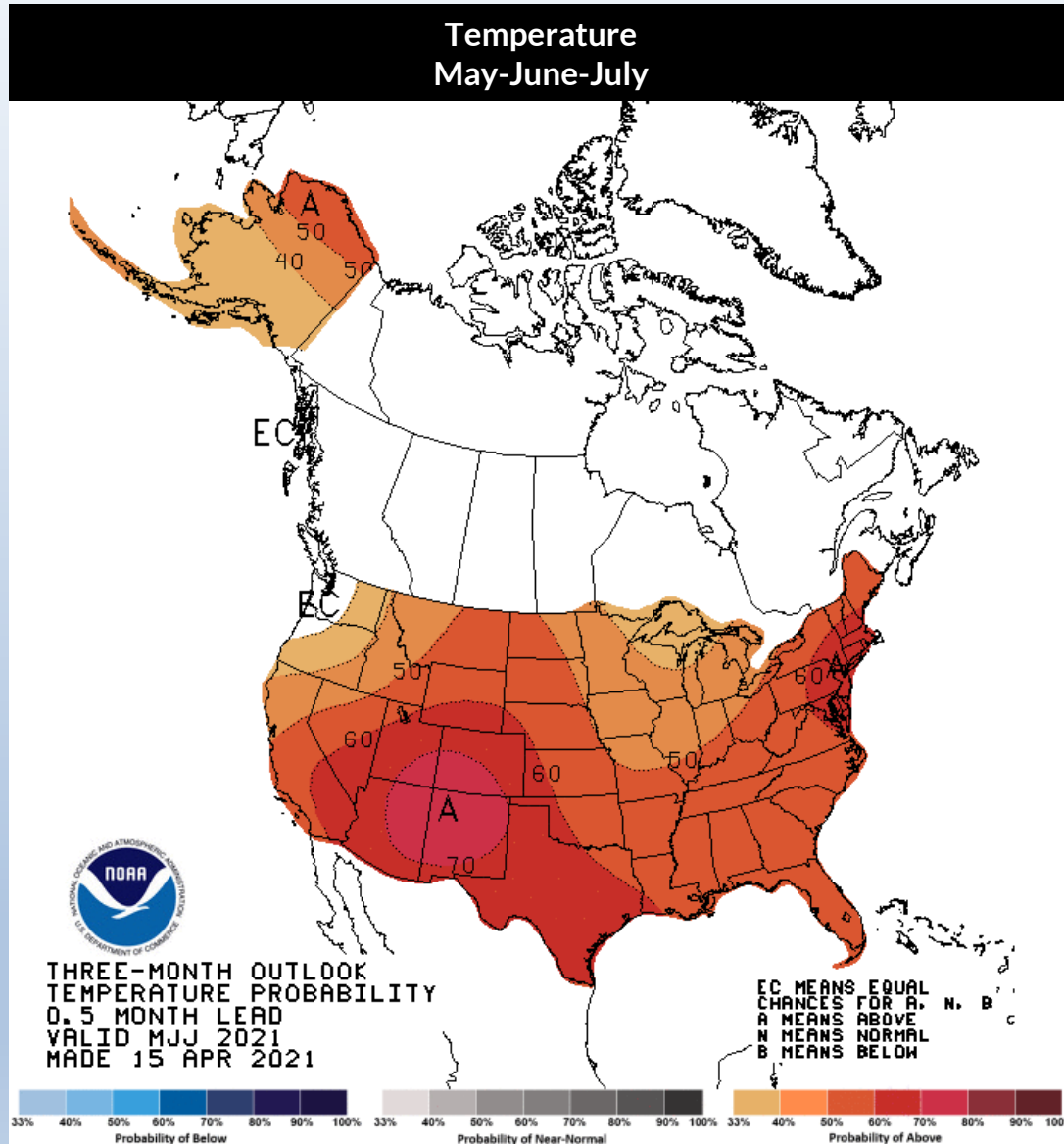
Model Predictions of ENSO from Apr 2021



April 2021 Climate Summary

Temperature & Precipitation Outlook

Weather Forecast Office
Albuquerque, NM
Issued January 8, 2022 8:20 PM MDT



The three month climate outlook strongly favors above normal temperature probabilities, while precipitation has a slight trend toward below normal in the northeast, with equal chances elsewhere. This would favor persistent/worsening drought conditions in NM.

April 2021 Climate Summary

Severe Weather*








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Albuquerque, NM
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Event Type	Date	County/Zone Name	Magnitude	Type	Event Narrative
High Wind	4/6/2021	Central Highlands	50 kt	Gust	Clines Corners measured a peak wind gust of 58 mph.
High Wind	4/6/2021	Northeast Highlands	50 kt	Gust	Las Vegas measured a peak wind gust of 58 mph.
High Wind	4/6/2021	Union County	61 kt	Gust	Clayton measured a peak wind gust of 70 mph.
High Wind	4/6/2021	Quay County	56 kt	Gust	Tucumcari measured a peak wind gust of 64 mph.
Wildfire	4/10-4/22/2021	Espanola Valley			The 140 Fire near Abiquiu burned around 30 acres and damaged a couple homes.
High Wind	4/16-4/17/2021	Middle Rio Grande Valley	52 kt	Gust	The ABQ Foothills measured a peak wind gust of 60 mph.
High Wind	4/23/2021	West Central Plateau	50 kt	Gust	Gallup measured a 58 mph wind gust.
High Wind	4/23/2021	Middle Rio Grande Valley	50 kt	Gust	Wind gusts of 50 to 60 mph downed a large cottonwood tree near Katherine Gallegos Elementary School.
High Wind	4/23/2021	Northeast Highlands	56 kt	Gust	Las Vegas measured a 64 mph wind gust from a shower that produced a dry microburst.
High Wind	4/23/2021	Quay County	64 kt	Gust	Tucumcari measured a 74 mph wind gust from a shower that produced a dry microburst.
High Wind	4/23/2021	Curry County	61 kt	Gust	Cannon Air Force Base estimated a 70 mph wind gust from a shower that produced a dry microburst.
Wildfire	4/24-4/26/2021	Sandia/Manzano Mts			The Paradise Loop Fire burned around 52 acres and destroyed three outbuildings.
High Wind	4/26/2021	South Central Mountains	52 kt	Gust	Nogal measured a 60 mph wind gust on the afternoon of April 26th.
High Wind	4/27/2021	Lower Rio Grande Valley	52 kt	Gust	White Sands Missile Range measured a 60 mph wind gust.
High Wind	4/27/2021	Central Highlands	51 kt	Gust	Clines Corners measured a peak wind gust of 59 mph.
High Wind	4/27/2021	Union County	42 kt	Sustained	Clayton measured sustained winds of 40 to 48 mph.
High Wind	4/27/2021	Union County	53 kt	Gust	Clayton measured peak wind gusts up to 61 mph.
High Wind	4/27/2021	Quay County	55 kt	Gust	Tucumcari measured a peak wind gust of 63 mph.
High Wind	4/27/2021	Eastern Lincoln County	63 kt	Gust	A station near Corona measured a peak wind gust of 72 mph.

*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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