

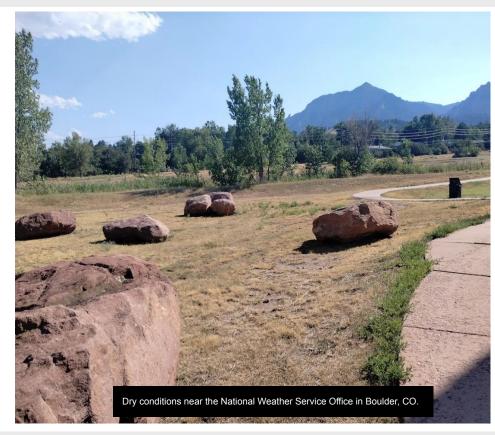


Monthly Overview

Denver experienced its second consecutive hot and dry month in July as a large upper level ridge of high pressure dominated the Southern and Central Rockies for much of the month. There were 20 days in which the temperature reached or exceeded 90 degrees at Denver International Airport with three days reaching or exceeding the century mark. Despite the periods of hot temperatures, the average monthly temperature ended just above normal due to a few cooler days associated with the passage of cold fronts.

Precipitation was meager during the month with 7 days of measurable precipitation and only one day with more than a quarter of an inch of rain falling into the official rain gauge at Denver International Airport. The greatest daily precipitation of 0.47" occurred on the evening of the 20th when a line of strong to severe thunderstorms moved south across the Front Range Urban Corridor.

The very dry and hot weather across the forecast area led to several forest fires across the Front Range Foothills and plains the last few days of the month. Smoke from these fires as well as fires across Canada and the West Coast of the U.S. produced smoky skies and poor air quality across the region the last ten days of the month.





Monthly Temperature Data (July)

- → Temperatures were near normal in Denver this month. Denver's mean temperature was 75.7°F, which is 0.6°F above normal.
- → The highest temperature for the month was 102°F on the 12th, and the lowest temperature was 52°F which occurred on the 5th.
- → On July 12th and 14th, the max temperature climbed to 102 and 101 degrees respectively. These temperatures set new record max temperatures for the date. Denver also equaled the record high of 99 degrees on the 29th which was last set in 2005.

Temperature	Observed	Normal	Departure
Average High	91.7	89.9	+1.8
Average Low	59.6	60.2	-0.6
Average Mean	75.7	75.1	+0.6

Temperature Records set this Month:

Date	Туре	Observed	Previous Record (Year)
07/14/2024	Max Temperature Max Temperature Max Temperature	e 101°	1971 1878 2005





Monthly Precipitation (July)

- → Precipitation for July 2024 was only 1.10" which is 1.04 inches below normal of 2.14".
- → No precipitation records were observed this month

Precipitation	Observed	Normal	Departure
Total Precipitation	1.10"	2.14"	-1.04"
# of Days w/ Measurable	7	9	-2

Snowfall	Observed	Normal	Departure
Total Snowfall	0.0"	0.0"	0.0"

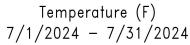
Precipitation Records set this Month:

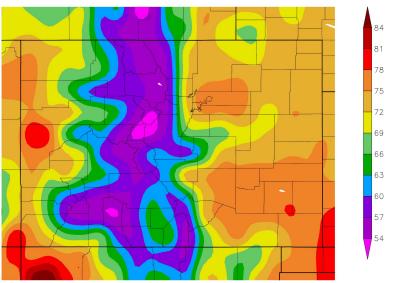
Date	Туре	Observed	Previous Record (Year)
No Records Set this Month			



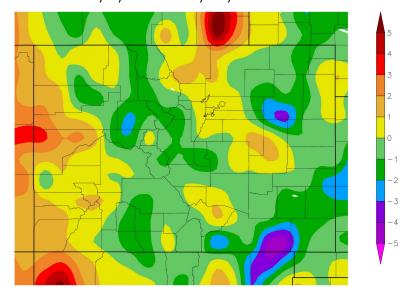


Statewide Temperature July 2024





Departure from Normal Temperature (F) 7/1/2024 - 7/31/2024



Generated 8/5/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

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Top 10 Hi/Low Temperature Years

Average Temperatures for the Month of July (Records since 1872)

Top Ten Warmest

Rank	Temperature (°F)	Year(s)
1	78.9	2012
2	78.0	2022
3	77.8	1934
4	77.7	2005
5	77.6	2008
6	77.3	1936
7	77.1	1939
8	76.9	2003
	76.9	1966
10	76.7	2021, 2001, 2000

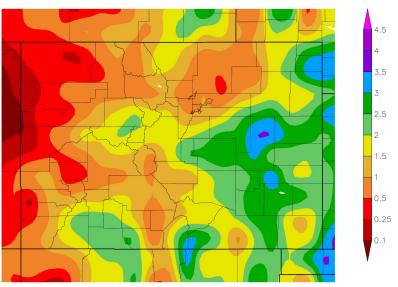
Top Ten Coldest

Rank	Temperature (°F)	Year(s)
1	67.3	1895
2	68.2	1906
3	68.7	1915
	68.7	1904
5	68.9	1950
	68.9	1905
	68.9	1891
8	69.0	1875
9	69.1	1967
10	69.1	1872

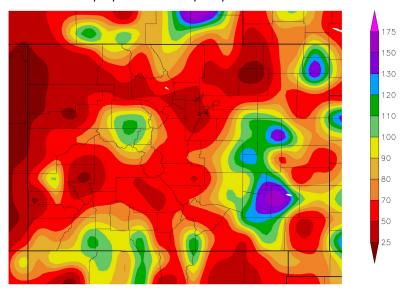


Statewide Precipitation July 2024

Precipitation (in) 7/1/2024 - 7/31/2024



Percent of Normal Precipitation (%)7/1/2024 - 7/31/2024



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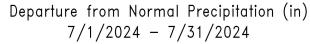
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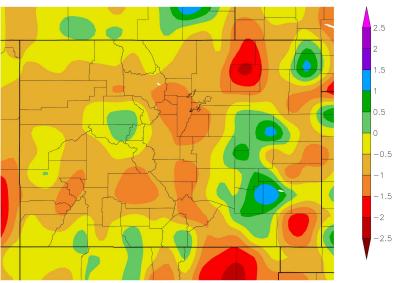
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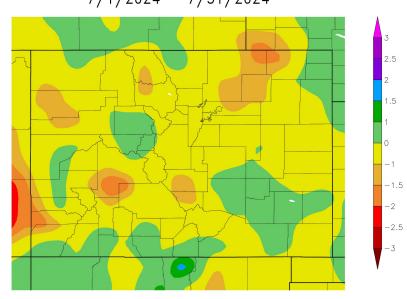


Statewide Precipitation July 2024





Monthly SPI 7/1/2024 — 7/31/2024



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Top 10 Hi/Low Precipitation Years

Precipitation during the month of July (Records since 1872)

Top Ten Wettest

Rank	Precipitation (in.)	Year(s)
1	6.41"	1965
2	5.92″	1998
3	5.60"	1997
4	5.24″	1919
5	4.76″	2001
6	4.28"	1895
7	4.17"	1956
	4.17"	1909
	4.17"	1875
10	4.11"	1991

Top Ten Driest

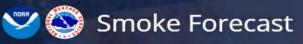
Rank	Precipitation (in.)	Year(s)
1	0.01"	1901
2	0.08"	1939
3	0.24"	2008
4	0.27"	2005
5	0.31"	1917
6	0.32"	1934
7	0.33"	1924
	0.33"	1877
9	0.34"	2021
	0.34"	1891



Top 10 Hi/Low Snowfall Years

Snowfall during the month of July (Records since 1882)

No Snow has been observed at Denver in the month of July





Circulation around an upper level high pressure center over Arizona allowed smoke from fires in the Pacific Northwest and Canada to move into North Central and Northeastern Colorado.

Oklahoma City

Dallas

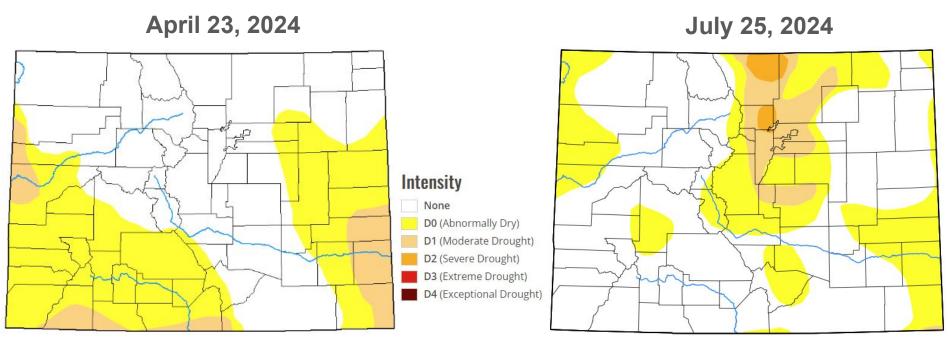


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Drought Conditions Colorado



With the dry conditions over the past 2 months, drought conditions have returned to the Front Range Urban Corridor and Palmer Divide.





Fires Across the Front Range Foothills at the end of July







Fires End of July

Very dry and hot conditions across North Central and Northeastern Colorado led to several fires across portions of the Front Range foothills and plains the last few days of July. The biggest and most impactful fires are listed below:

Alexander Mountain Fire

Location: Foothills west of Loveland. Start Date: Late morning July 29th.

Size: 7,648 acres as of 7:00 P.M. July 31st.

Stone Canyon Fire

Location: Near Lyons

Start Date: Afternoon of July 30th

Size: 1553 acres as of the evening of July 31st

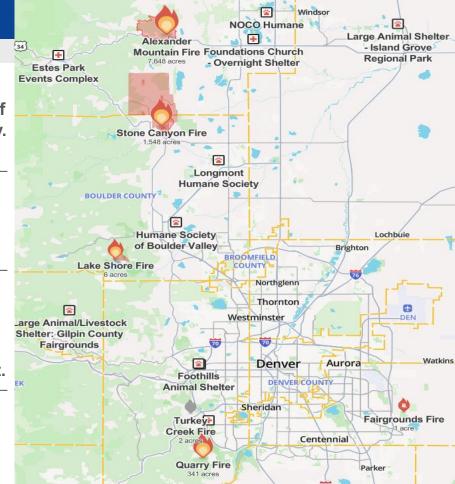
Impacts: 1 Fatality, 4 injured fire personnel and 5 homes lost.

Quarry Fire:

Location: Jefferson County, southwest of Littleton.

Start Date: Late evening of July 30th.

Size: 341 acres as of the evening of July 30th.







Smoke across the Front Range as viewed from the Office

