



July was another warm and dry month following similar June CO weather again dominated by upper level ridging over the region most of the month.

The plume of monsoonal moisture stayed west of Metro Denver most of the month, with periods of heavy rain and flash flooding and debris flows across the mountain burn scars.

There were a few days, towards the beginning and end of the month, in which the plume shifted east over the Front Range Urban Corridor. However, the heavier rains associated with this plume managed to miss the official observing site at Denver International Airport.

In addition, smoke from wildfires across the west, especially the Pacific Northwest concentrated under the ridge creating persistent haze, reduced visibility and poor air quality across North Central and Northeastern Colorado much of the month.

Temperatures:

The average temperature at Denver International Airport for the month was 76.7 degrees F, which is 1.6 degrees above the normal of 75.1 degrees F and tied for the ninth warmest July on record. The warmest July on record occurred in 2012 with an average monthly temperature of 78.9 degrees F. During the month, there were 21 days which the temperature reached or exceeded 90 degrees. This normal number of 90 degree days in July is 13.

The coldest July on record was 67.3 degrees back in 1895. There were 21 days during the month in which the temperature reached or exceeded the 90 degree mark, and 2 days met or exceeded the 100 degree mark. One of these days, 100 F on the 28th, set a new record high temperature for the date. Another, 98 F on the 9th, tied the record high for the date previously set in 1989. The lowest temperature of 52 degrees occurred on the morning of the 15th.

Ten Warmest Julys in Denver Weather History Since 1872:

78.9 2012
77.8 1934
77.7 2005
77.6 2008
77.3 1936
77.1 1939
76.9 2003...1966
76.7 2021...2001...2000...1954

Ten Coldest Julys in Denver Weather History Since 1872:

67.3 1895
68.2 1906
68.7 1915...1904
68.9 1950...1905...1891
69.0 1875
69.1 1967...1872

Monthly Mean Avg Temperature for Denver Area, CO (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Year	Jul	Season
2012	78.9	78.9
1934	77.8	77.8
2005	77.7	77.7
2008	77.6	77.6
1936	77.3	77.3
1939	77.1	77.1
2003	76.9	76.9
1966	76.9	76.9
2021	76.7	76.7
2001	76.7	76.7
2000	76.7	76.7
1954	76.7	76.7

Precipitation:

Precipitation for the month of July at Denver International Airport was 0.34 inches, which is 1.80 inches below the normal of 2.14 inches and tied for the ninth driest July on record. There were only 5 days with measurable precipitation during the month and 7 days with a trace. The greatest daily precipitation for the month of 0.14 inches fell on the 17th. No snow fell during the month.

Ten Wettest Julys in Denver Weather History Since 1872:

6.41 inches 1965
5.92 inches 1998
5.60 inches 1997
5.24 inches 1919
4.76 inches 2001
4.28 inches 1895
4.17 inches 1956...1909...1875
4.11 inches 1991

Ten Driest Julys in Denver Weather History Since 1872:

0.01 inches 1901
0.08 inches 1939
0.24 inches 2008
0.27 inches 2005
0.31 inches 1917
0.32 inches 1934
0.33 inches 1924...1877
0.34 inches 2021...1891

Monthly Total Precipitation for Denver Area, CO (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Year	Jul	Season
1901	0.01	0.01
1939	0.08	0.08
2008	0.24	0.24
2005	0.27	0.27
1917	0.31	0.31
1934	0.32	0.32
1924	0.33	0.33
1877	0.33	0.33
2021	0.34	0.34
1891	0.34	0.34

Miscellaneous Stats for July 2021:

There were 9 days in which thunder was observed at Denver International Airport during the month, as well as 3 days with fog and 7 days with smoke or haze. The peak wind gust of 49 mph from the north-northwest occurred on the 10th.