



Landspout near Buckley AFB on the afternoon of July 29th
Video image taken by NWS Meteorologist, Brandon Fling

July was another hot and dry month for Denver and nearby surrounding areas. This follows similar June weather, again dominated by upper level ridging over the region.

A plume of monsoonal moisture brought periods of heavy rain to the mountains and portions of the northeastern plains through the month. Despite this moisture, the official measuring site at Denver International Airport missed out on most of the rain, with below normal precipitation.

The heavy rain in the mountains produced occasional flash flooding in and near the burn scars during the month.

Temperatures :

The average temperature at Denver International Airport for the month was 78.0 degrees F, which is 2.9 degrees above the normal of 75.1 degrees F. This makes July 2022 the 2nd hottest July on record as well as being the 2nd hottest month in Denver weather history. The warmest July and month on record occurred in 2012 with an average monthly temperature of 78.9 degrees F. During the month, there were 23 days which the temperature reached or exceeded 90 degrees and 3 days reaching or exceeding the century mark. This normal number of 90 degree days in July is 13. The lowest temperature of 53 degrees occurred on the morning of the 1st.

There have been some records set and tied this July, they include:

New Record high set on 7/9/2022 of 100 degrees. The old record was 98 degrees set in 2021.

Tied Record high minimum set on 7/14/2022 of 70 degrees. The record was also set in 1931.

New Record high set on 7/18/2022 of 100 degrees. The old record was 99 degrees set in 2020.

New Record high minimum set on 7/18/2022 of 72 degrees. The old record of 70 degrees set in 1878.

Tied Record high minimum set on 7/22/2022 of 70 degrees. The record was also set in 2016.

Both of those record highs got rid of the last few remaining daily records highs still in the 90s in July in Denver. In fact, there are just three daily record highs in the 90s left in the Denver record books. They are 99 degrees on 7/25/1963 and previous years, 98 degrees set on 7/27/1964, and 99 degrees set on 7/29/2005 and previous years.

Warmest and Coldest Julys in Denver Weather History:

Ten Warmest Julys in Denver Weather History Since 1872:

78.9 2012

78.0 2022

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

Precipitation:

Precipitation for the month of July at Denver International Airport was 0.99 inches, which is 1.15 inches below the normal of 2.14 inches. There were 12 days with measurable precipitation during the month and 9 days with a trace. The greatest daily precipitation for the month of 0.32 inches fell on the 7th. No snow fell during the month.

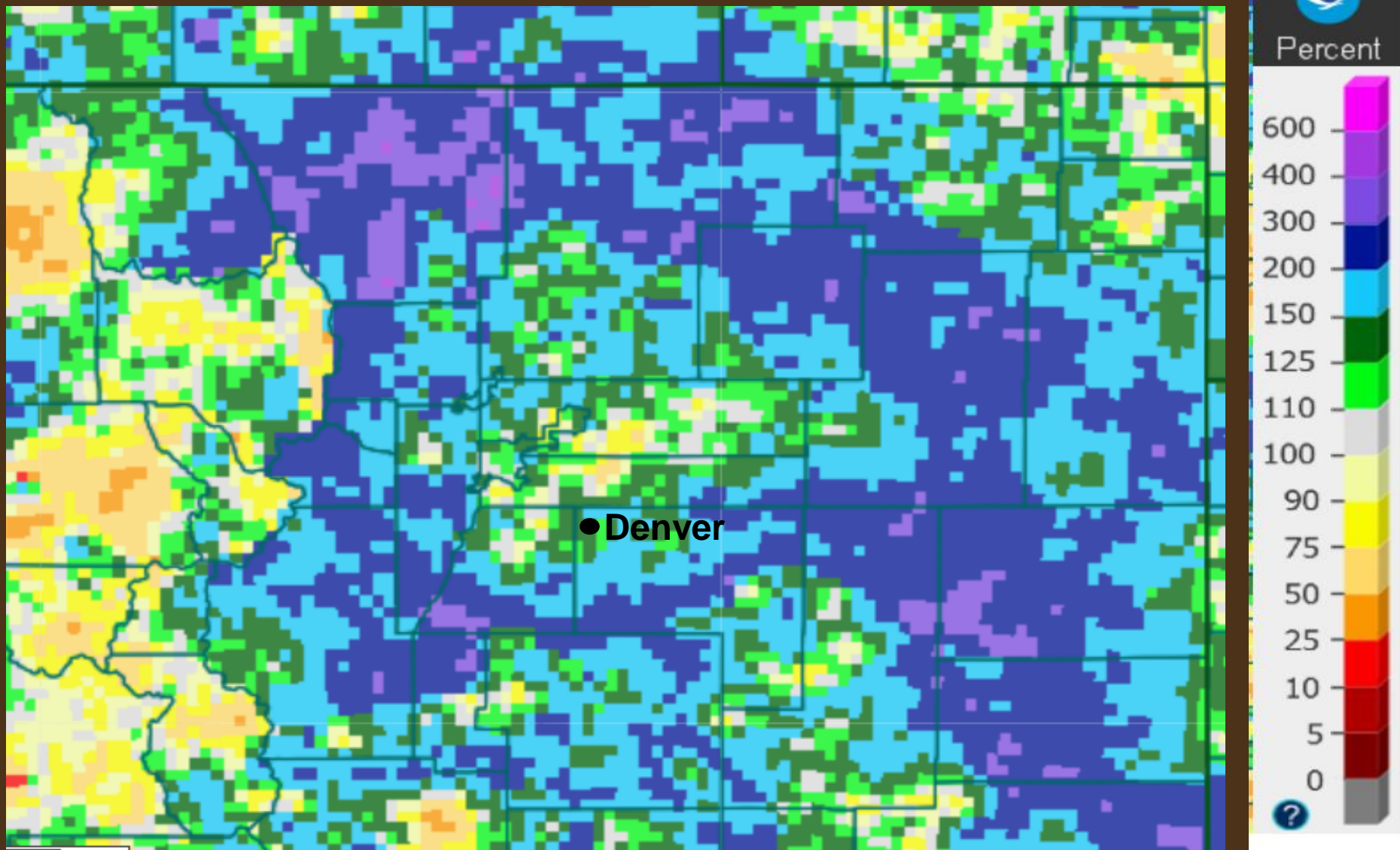
Ten Wettest Julys in Denver Weather History Since 1872:

- 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

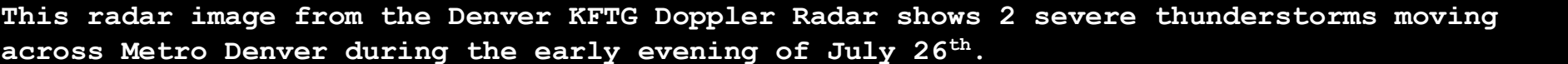
Ten Driest Julys in Denver Weather History Since 1872:

- 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

July 2022 Percent of Normal Precipitation



A plume of monsoonal moisture produced periods of heavy rain during the month resulting in above normal precipitation across much of North Central and Northeastern Colorado. Unfortunately portions of Metro Denver missed out on the precipitation with hot and dry conditions. The heavy rain also produced periods of flash flooding in and near the mountain burn scars.



PRELIMINARY LOCAL STORM REPORT...SUMMARY

NATIONAL WEATHER SERVICE DENVER CO

732 PM MDT TUE JUL 26 2022 ..

TIME... ..EVENT... ..CITY LOCATION... ..LAT.LON... ..
DATE... ..MAG.... ..COUNTY LOCATION..ST.. ..SOURCE....
..REMARKS..

0524 PM HAIL 4 S ARAPAHOE PARK 07/26/2022 U1.00 INCH ARAPAHOE CO PUBLIC REPORT FROM MPING:
QUARTER (1.00 IN.). DELAYED REPORT. TIME ESTIMATED BY RADAR.

0519 PM TSTM WND GST 3 SSW ARAPAHOE PARK 07/26/2022 M63 MPH ARAPAHOE CO MESONET

0511 PM TSTM WND GST 3 ESE BUCKEYE 07/26/2022 M64 MPH LARIMER CO MESONET
MESONET STATION BEYC2 BUCKEYE. TIME ESTIMATED.

0510 PM TSTM WND GST 3 N FOXFIELD 07/26/2022 E60 MPH ARAPAHOE CO PUBLIC
NICKEL SIZED HAIL REPORTED. TIME AND LOCATION ESTIMATED.

0509 PM TSTM WND GST 3 NE FOXFIELD 07/26/2022 M61 MPH ARAPAHOE CO TRAINED SPOTTER
REPORT FROM A PERSONAL WEATHER STATION. ALSO RECORDED UP TO QUARTER SIZE HAIL.
WIND-DRIVEN HAIL CAUSED MINOR DAMAGE TO WINDOWS, SIDING, AND A HOT TUB COVER.
THE TIME WAS BETWEEN 5:05 AND 5:10 PM.

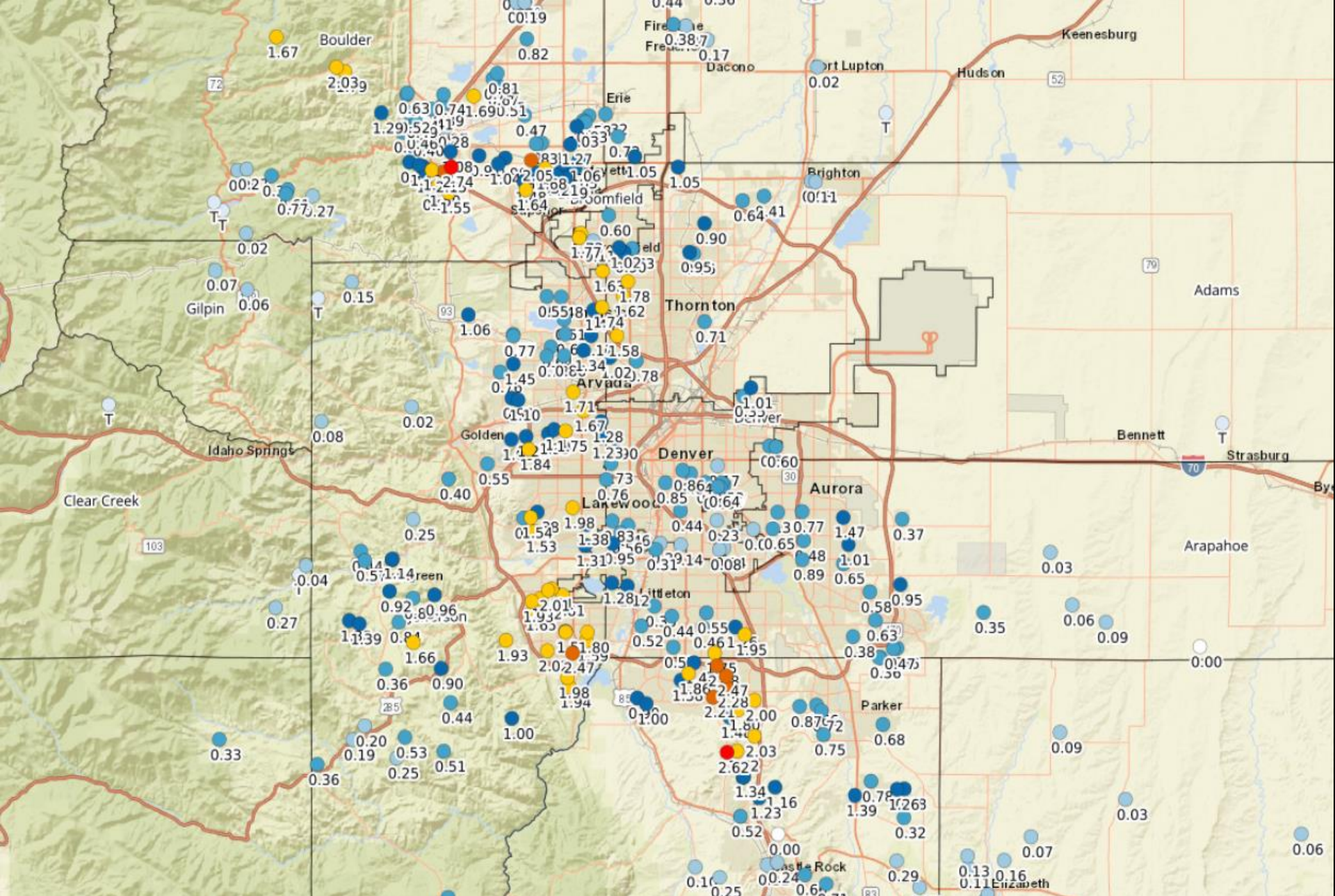
0509 PM HAIL 3 NE FOXFIELD 07/26/2022 M1.00 INCH ARAPAHOE CO TRAINED SPOTTER
MOST STONES PEA TO HALF INCH DIAMETER. TIME ESTIMATED.

0509 PM HAIL 2 W ARAPAHOE PARK 07/26/2022 E1.00 INCH ARAPAHOE CO PUBLIC
TIME AND LOCATION ESTIMATED.

0506 PM TSTM WND DMG 4 S BUCKLEY AFB 07/26/2022 ARAPAHOE CO PUBLIC REPORT FROM MPING:
3-INCH TREE LIMBS BROKEN; POWER POLES BROKEN.

0504 PM TSTM WND DMG 2 SE AURORA 07/26/2022 ARAPAHOE CO PUBLIC
LARGE TREE LIMBS DOWN. TIME AND LOCATION ESTIMATED.

0352 PM HAIL 1 WNW NIWOT 07/26/2022 E0.75 INCH BOULDER CO TRAINED SPOTTER



Locally heavy rain occurred on the evenings of the 26th and 27th. Here are two day totals from the CoCoRaHS volunteer network, showing heavy rainfall totals of 1.5 to 2+ inches in a few spots from Boulder through the western and southern suburbs of Denver.

Miscellaneous Stats for July 2022:

There were 18 days in which thunder was observed at Denver International Airport during the month, as well as 3 days with fog and 3 days with smoke or haze. The peak wind gust of 49 mph occurred on the 12th and the 18th.