



.....September 2020 CLIMATE SUMMARY FOR THE DENVER AREA.....

September 2021 finished with above normal temperatures and below normal precipitation. Much of the month was dominated by an upper level ridge of high pressure which led to several hot days with high temperatures reaching or exceeding the 90 degree mark. Occasional upper level troughs and associated cold fronts resulted in a few cooler days with below normal temperatures and light precipitation during the middle and end of the month across north central and northeastern Colorado.

Temperatures:

The average temperature at Denver International Airport for the month of September was 68.8° F, which is 4.0° above normal. There were 7 days with max temperatures at or above 90° and 0 days with temperatures at or below 32°. Denver experienced a heat wave from the 9th through the 11th with max temperatures in the middle to upper 90s. Each day during this period set a new record high for the date with the 99 degrees on the 11th being the warmest day of the month.

WARMEST SEPTEMBER AVERAGE TEMPERATURES IN DENVER WEATHER HISTORY SINCE 1872: DEGREES F

69.4	-	2015
69.3	-	2019
68.8	-	2021
68.3	-	1948
68.2	-	1981, 1931
68.0	-	1998
67.8	-	2018
67.7	-	1933
67.6	-	1947

COLDEST SEPTEMBER AVERAGE TEMPERATURES IN DENVER WEATHER HISTORY SINCE 1872: DEGREES F

54.7	-	1912
55.6	-	1965
56.3	-	1961
57.5	-	1971
58.1	-	1918
58.8	-	1985
58.9	-	2006, 1929
59.2	-	1999
59.3	-	2003, 1913

Record-Breaking Temperatures in Denver

September 9th-11th 2021



Date	Observed High at Denver Intl Airport	Previous Record (Most Recent Year)
Thursday (9/9)	96°	94° (1994)
Friday (9/10)	99°	93° (2018)
Saturday (9/11)	97°	93° (2018)

PRECIPITATION:

Denver received 0.28 inches of precipitation in September 2021. This is 1.07 inches below the normal of 1.35 inches. The highest daily precipitation amount of 0.12 inches was measured on the 13th.

WETTEST SEPTEMBER PRECIPITATION TOTALS IN DENVER WEATHER HISTORY SINCE 1872: INCHES

5.61 – 2013
4.67 – 1961
3.78 – 1909
3.70 – 1902
3.42 – 1938
2.95 - 2012
2.89 - 1936, 1918
2.85 - 1973, 1971

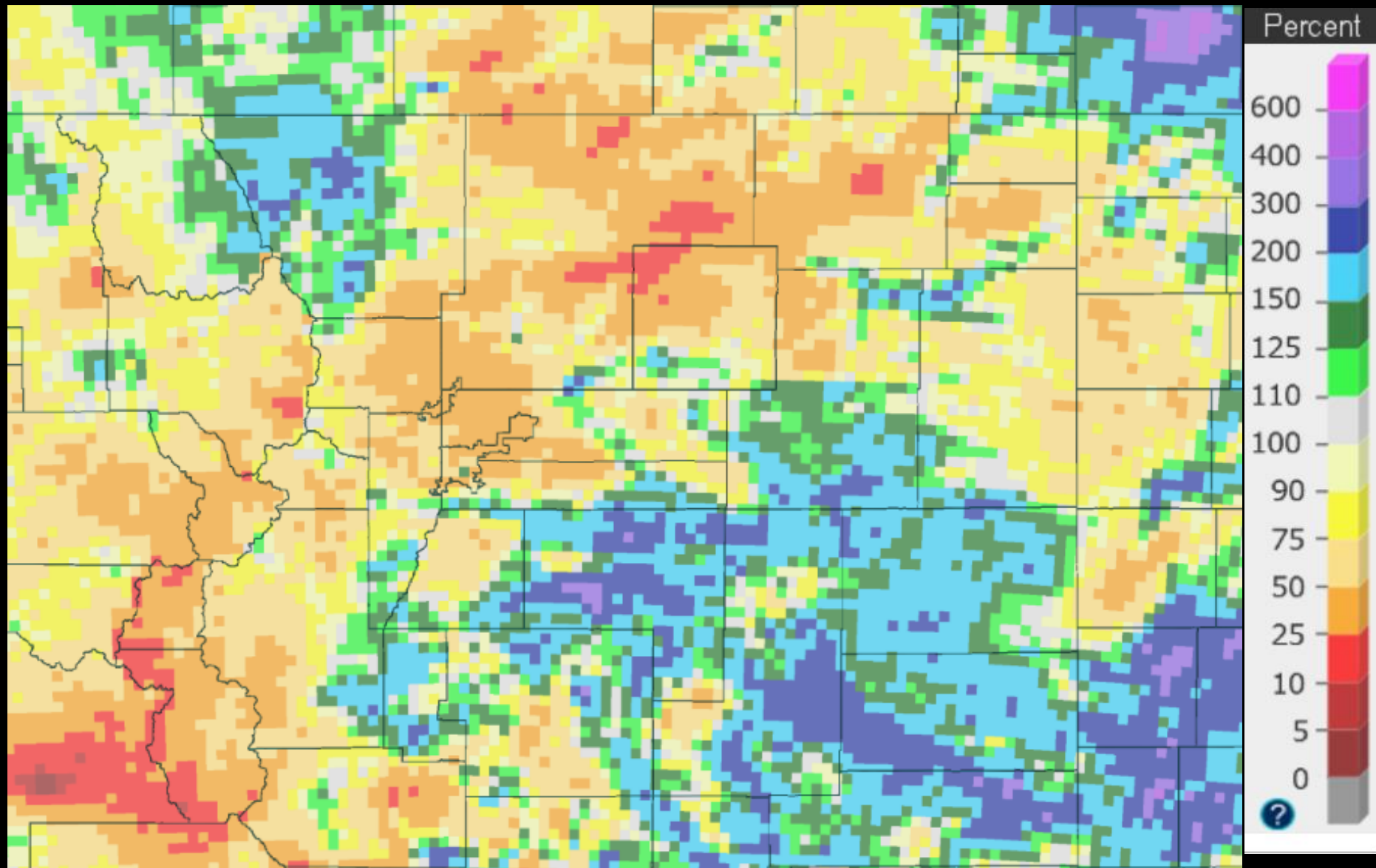
DRIEST SEPTEMBER PRECIPITATION TOTALS IN DENVER WEATHER HISTORY SINCE 1872: INCHES

T - 1944, 1892
0.01 - 1992, 1956
0.02 - 1921, 1879
0.05 - 1893
0.06 - 2010, 1920, 1882



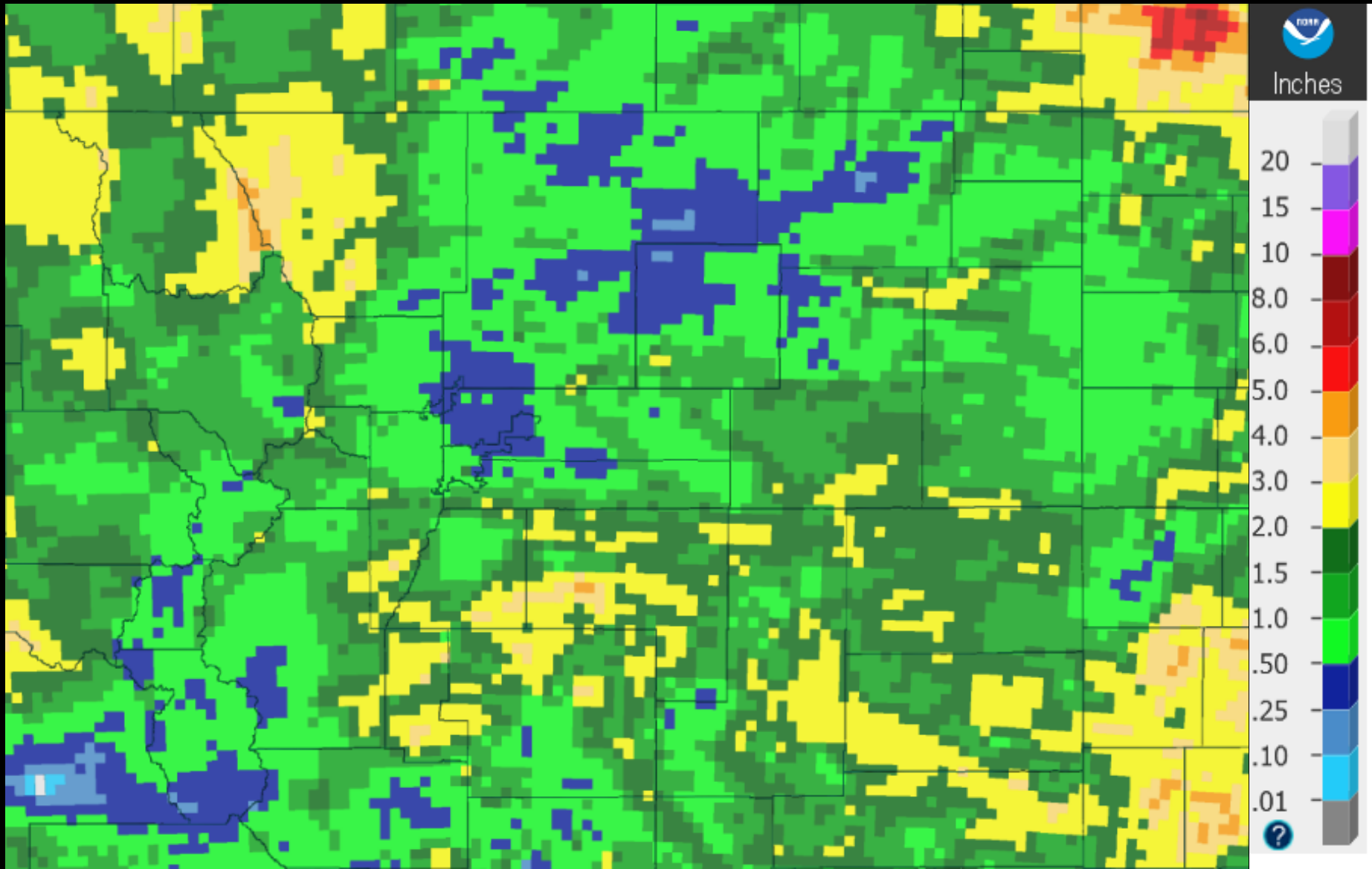
A weak thunderstorm just west of Boulder on the morning of September 14th

September 2021 Monthly Percent of Normal



Most of the region experienced below normal precipitation during the month. The exceptions were the northern Foothills in western Larimer County and the central plains south of I-70. Those areas above normal rainfall in September.

September 2021 Observed Precipitation



Most of the region received below normal precipitation, with most locales receiving 1.5 inch or less. Some areas in the Denver Metro area extending into the South Platte River valley tallied only a quarter to half inch. The Central plains south of I-70 as well as the northern foothills in Larimer County fared better, with over 2 inches of rainfall. Despite the above normal rainfall in some of the burn areas, flash flooding was less of an issue during September.

SNOWFALL:

No snowfall was recorded in Denver during the month.

TEN SNOWIEST SEPTEMBERS IN DENVER WEATHER HISTORY SINCE 1872: INCHES

17.2	-	1971
16.5	-	1936
12.9	-	1959
11.4	-	1895
8.7	-	1985
6.5	-	1908
5.8	-	1961
5.5	-	1965
5.4	-	1993
5.2	-	1984

Weather Conditions

There were 4 days with smoke or haze, 3 days in which in which thunder was observed at Denver International Airport, and no days with dense fog with a visibility at or below $\frac{1}{4}$ mile during the month. The peak wind of 46 mph from the south southwest was recorded on The 11th