

Colorado State University, Fort Collins, CO Weather Station Monthly Summary Report

Month: July
Year: 2020



Temperature:

Mean T_{\max} was 89.1°F which is 2.5° above the 1981-2010 normal for the month. This is the 16th warmest in the 132-year record (1889-2020), tied with 1966. The last July this warm or warmer was 2017 with 89.3°F.

Mean T_{\min} was 58.6°F which is 0.1° above the 1981-2010 normal for the month. This is the 23rd warmest in the 132-year record (1889-2020), tied with 1984. The last July this warm or warmer was 2019 with 59.0°F.

Mean T_{mean} was 73.8°F which is 1.2° above the 1981-2010 the normal for the month. This is the 16th warmest in the 132-year record (1889-2020). The last July this warm or warmer was 2019 with 74.0°F.

The maximum daily temperature for the month was 99°F and occurred on July 10, 2020.

The minimum daily temperature for the month was 50°F and occurred on July 1, 2020.

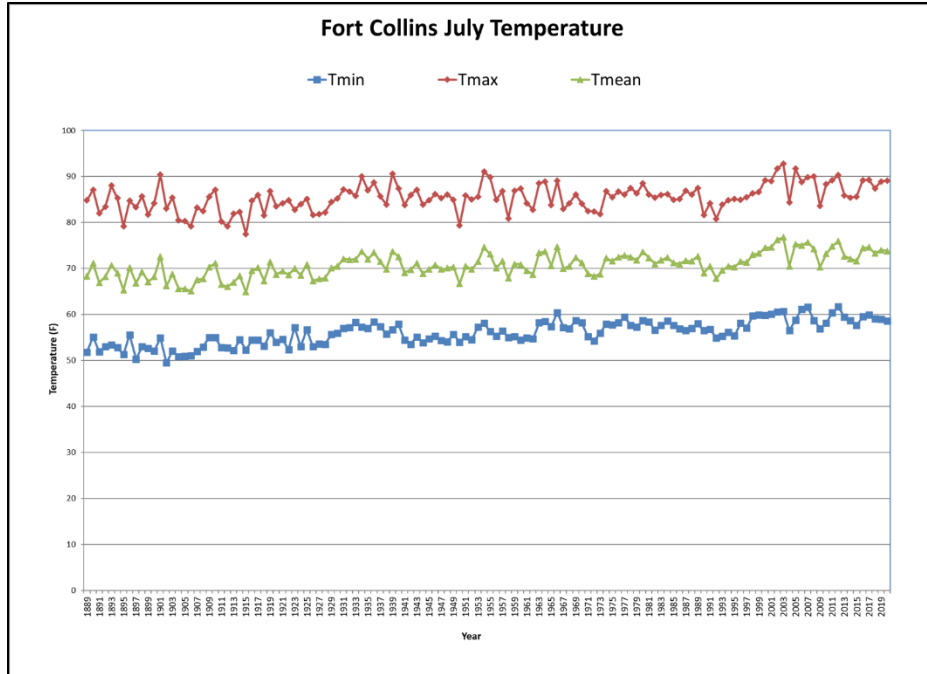


Figure 1: July temperature time series.

Misc. Temperature (record status, thresholds, etc.):

No temperature records for July 2020

90F Degree Days:

July 2020 had 17 days at or above 90F. The average number of days in the 90s for July is 9.

Through the end of July, there have been 26 days at or above 90F this summer. The average number of days in the 90s through July is 13.

Precipitation and Snowfall:

Total monthly precipitation was 0.15” which is 1.56” below the 1981-2010 normal for the month (9% of normal). This ranks as the 5th driest in the 132-year record (1889-2020). The last July this parched was 2002 with 0.07” of precipitation.

Year	Total monthly precipitation (inches)
1939	T
2002	0.07
1931	0.1
1963	0.13
2020	0.15
1891	0.17
1924	0.21
1959	0.31
2005	0.32
1942	0.34

Figure 2: Top 10 driest July precipitation totals on record.

Water year precipitation through July totaled 11.02” which is 2.15” below the 1981-2010 normal for the water year (84% of normal). This ranks as the 53rd driest start to a water year in the 131-year record (1890-2020). The last water year this dry or drier through July was 2013 with 11.00” of precipitation.

July had 5 days with measurable precipitation (≥ 0.01 ”) and 14 days with a trace of precipitation (less than 0.01”)

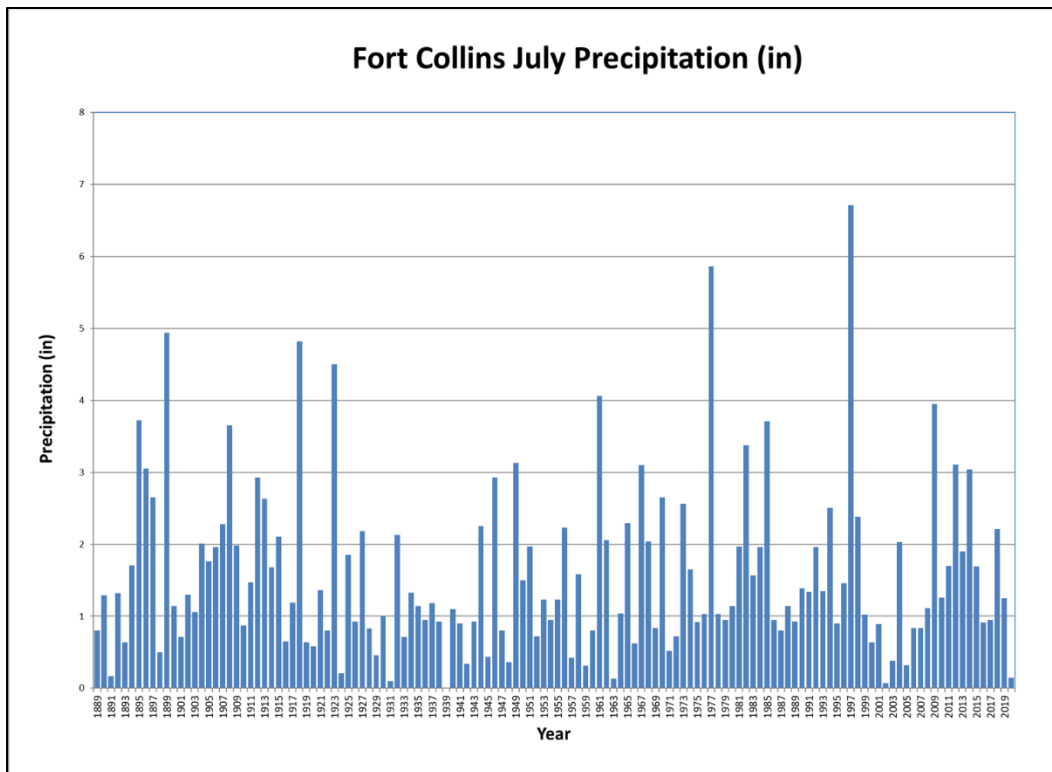


Figure 3: July precipitation time series.

Misc. Precipitation (predominant type, record status, etc.):

No precipitation records for July.

The highest one-day precipitation total for July 2020 was 0.06” falling on July 13th (cue sad trombone).

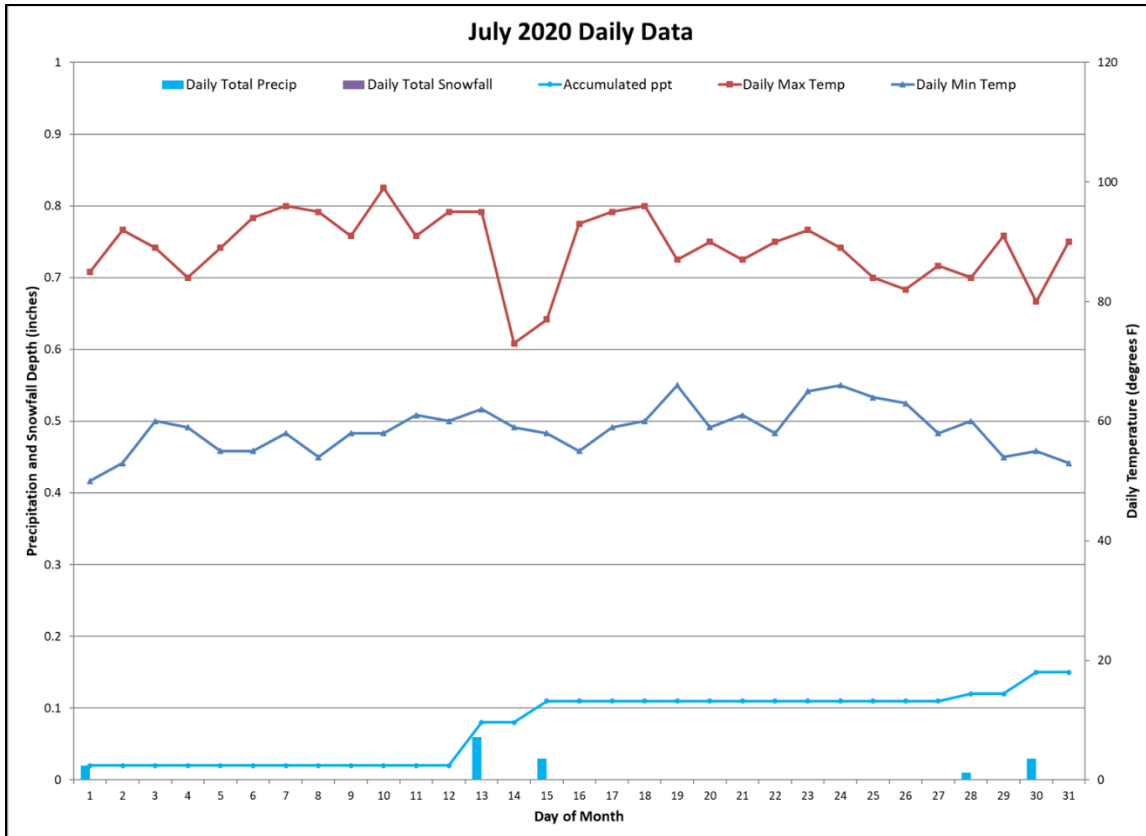


Figure 4: Daily Data for July 2020. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In July 2020 there were 13 days with maximum wind gusts ≥ 20 mph and 1 day ≥ 30 mph.

The maximum daily wind gust for the month was 31 mph and occurred on July 7, 2020 at 1:28 PM MST from 210° (SW).

Evaporation:

Pan evaporation for July 2020 totaled 7.69” which is 0.16” below the normal for July (98% of normal).