

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

Month: July
Year: 2019



Temperature:

Mean T_{\max} was 88.9°F which is 2.3° above the 1981-2010 normal for the month. This is the 18th warmest in the 131-year record (1889-2019), tied with 1964. The last July this warm or warmer was 2017 with 89.3°F.

Mean T_{\min} was 59.0°F which is 0.5° above the 1981-2010 normal for the month. This is the 17th warmest in the 131-year record (1889-2019). The last July this warm or warmer was 2018 with 59.1°F.

Mean T_{mean} was 74.0°F which is 1.4° above the 1981-2010 the normal for the month. This is the 15th warmest in the 131-year record (1889-2019). The last July this warm or warmer was 2017 with 74.6°F.

The maximum daily temperature for the month was 98°F and occurred on July 18 and 19, 2019.

The minimum daily temperature for the month was 53°F and occurred on July 9, 2019.

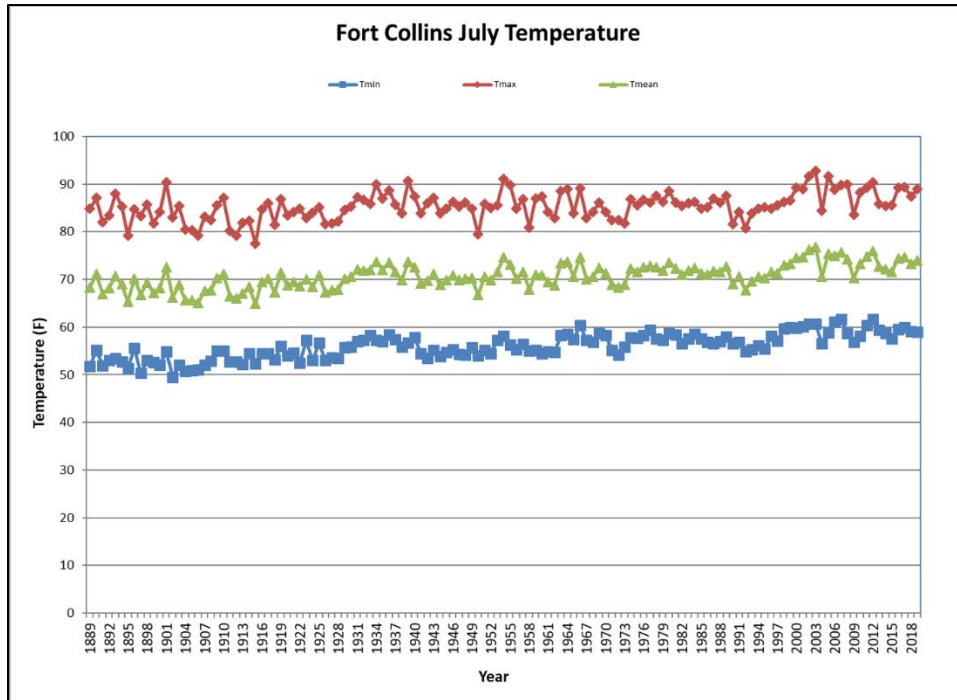


Figure 1: July temperature time series.

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

Warmest Maximum Daily Temperature:

July 18, 2019: The maximum temperature of 98°F tied the maximum temperature for the day set in 1934.

Warmest Minimum Daily Temperature:

July 25, 2019: The minimum temperature of 68°F tied the highest minimum temperature for the day set in 1931 and 2003.

90F Degree Days:

July 2019 had 16 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 20 days at or above 90°F. The 1889-2018 average for number of days in the 90s through July is 13.

Precipitation:

Total monthly precipitation was 1.25” which is 0.46” below the 1981-2010 normal for the month (73% of normal). This ranks as the 67th driest in the 131-year record (1889-2019). The last July this dry or drier was 2017 with 0.95” of precipitation.

Water year precipitation through July totaled 12.94” which is 0.23” below the 1981-2010 normal for the water year (98% of normal). This ranks as the 80th driest start to a water year in the 130-year record (1890-2019). The last water year to be this dry or drier through July was 2017 with 11.31” of precipitation.

July had 10 days with measurable precipitation (≥ 0.01 ”). There were an additional 9 days with a trace of precipitation (less than 0.01”).

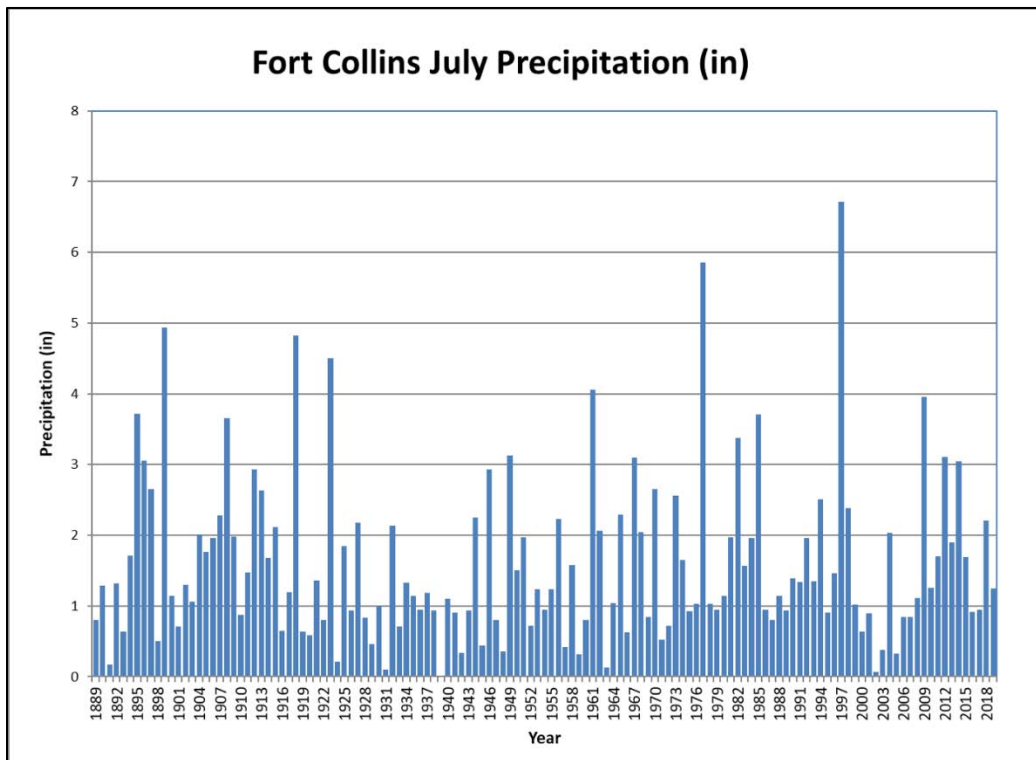


Figure 2: July precipitation time series.

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

No precipitation records in July.

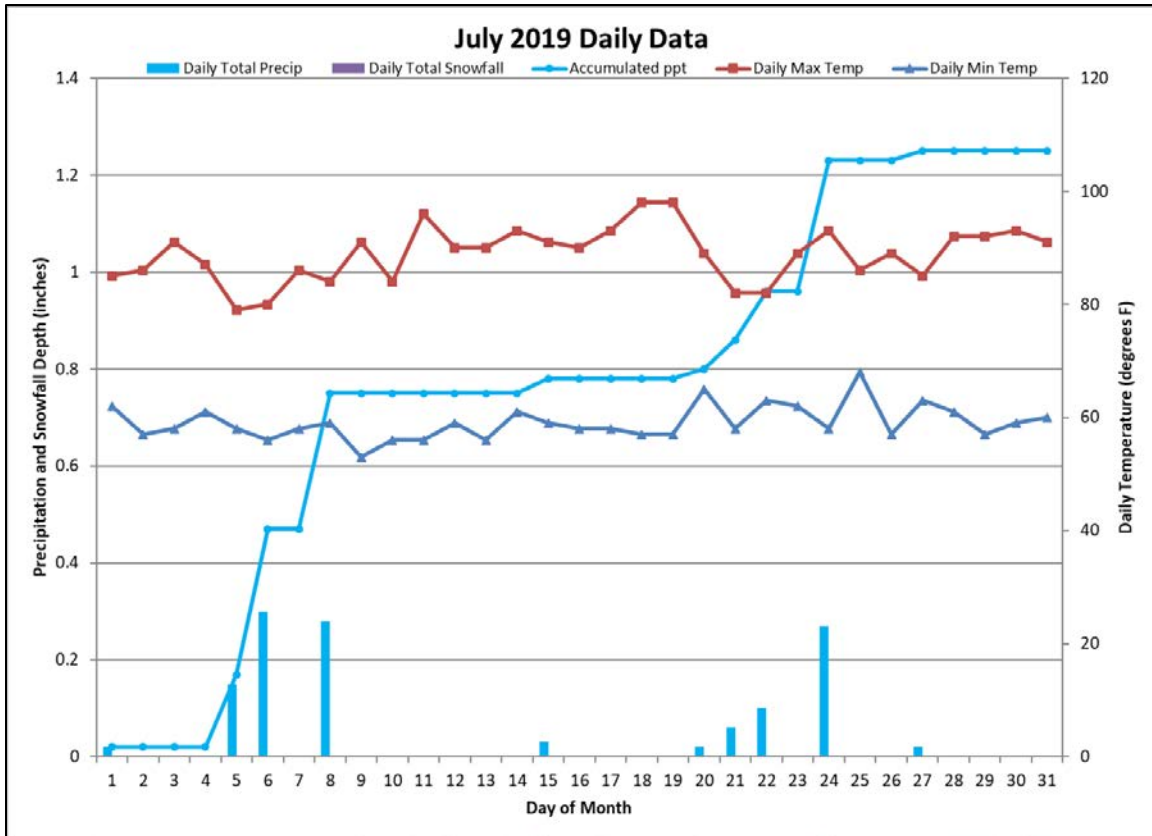


Figure 3: Daily Data for July 2019. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In July 2019 there were 9 days with maximum wind gusts ≥ 20 mph and 2 days ≥ 30 mph.

The maximum wind gust for the month was 33 mph and occurred on July 21, 2019 at 7:50 PM MST from 200° (South Southwest).

Evaporation:

Pan evaporation for July 2019 was 7.16” which was 0.69” below the normal for July (91% of normal).