

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

Month: July
Year: 2018



Temperature:

Mean T_{\max} was 87.4°F which is 0.8° above the 1981-2010 normal for the month. This is the 27th warmest in the 130 year record (1889-2018), tied with 1940 and 1960. The last July this warm or warmer was 2017 with 89.3°F.

Mean T_{\min} was 59.1°F which is 0.6° above the 1981-2010 normal for the month. This is the 16th warmest in the 130 year record (1889-2018). The last July this warm or warmer was 2017 with 59.9°F

Mean T_{mean} was 73.3°F which is 0.7° above the 1981-2010 normal for the month. This is the 21st warmest in the 130 year record (1889-2018), tied with 1999. The last July this warm or warmer was 2017 with 74.9°F.

The maximum daily temperature for the month was 98°F and occurred on July 8, 2018.

The minimum daily temperature for the month was 47°F and occurred on July 1, 2018.

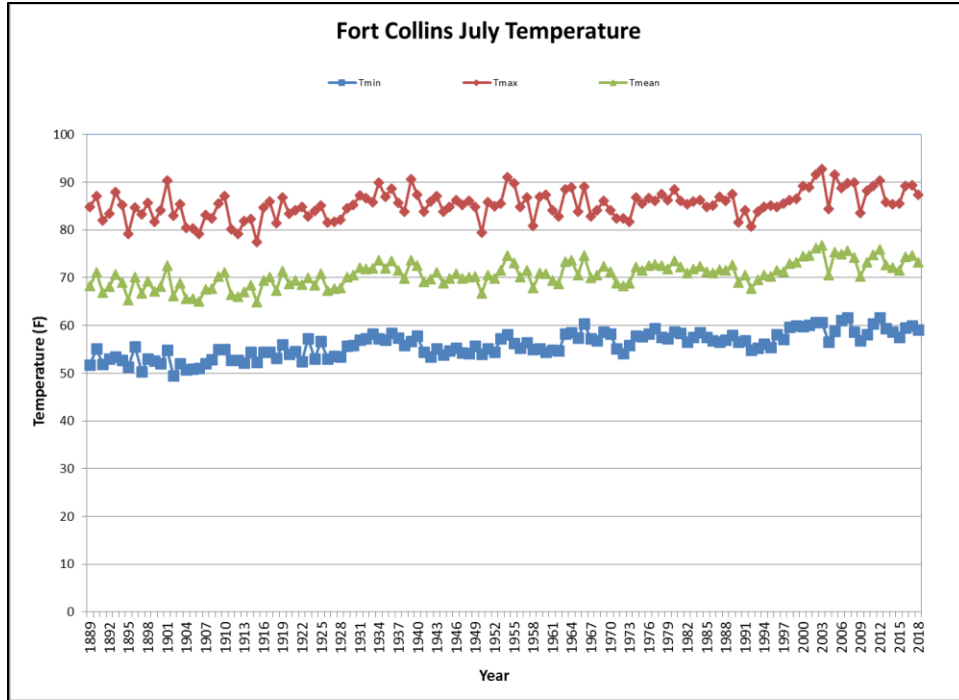


Figure 1: July temperature time series.

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

No Temperature records for July 2018

90 Degree Days:

July had 12 days at or above 90°F. The 1889-2017 average for number days in the 90s for July is 9.

Through the end of July, there have been 25 days at or above 90°F. The 1889-2017 average for number of days in the 90s through July is 13 days.

Precipitation:

Total monthly precipitation was 2.21” which is 0.50” above the 1981-2010 normal for the month (129% of normal). This ranks as the 29th wettest in the 130 year record (1889-2018). The last July this wet or wetter was 2014 with 3.04” of precipitation.

Water year precipitation through July is 13.70” which is 0.53” above the 1981-2010 normal for the water year (104% of normal). This ranks as the 45th wettest start to a water year in the 129 year record (1890-2018). The last year to start this wet or wetter was 2016 with 13.73” through July.

July had 12 days with measurable precipitation (≥ 0.01 ”).

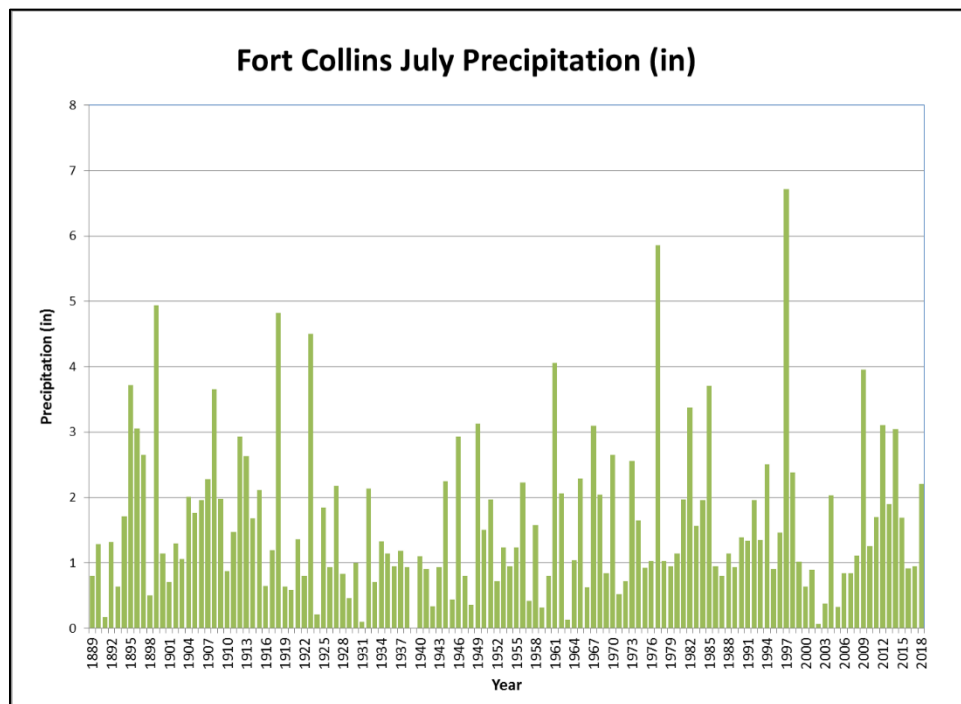


Figure 2: July precipitation time series

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

No precipitation records in July

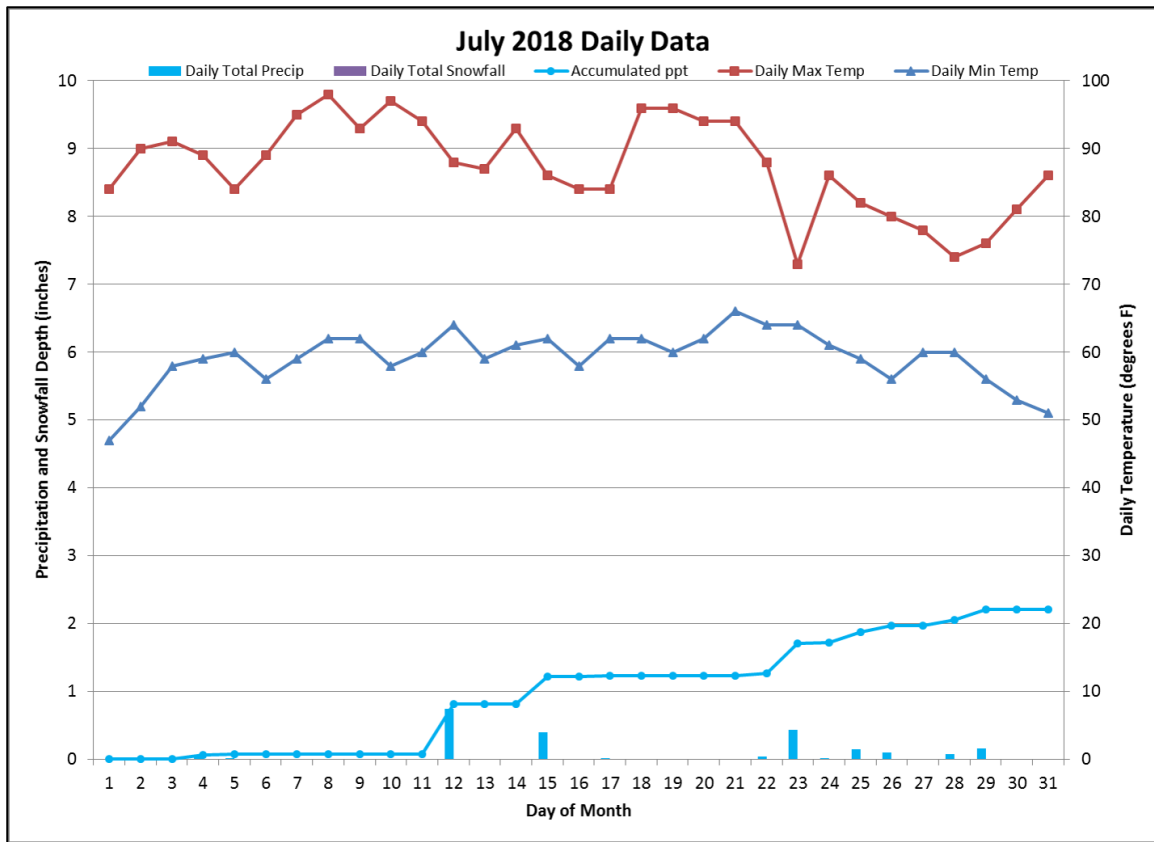


Figure 3: Daily Data for July 2018. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In July 2018 there were 5 days with maximum wind gusts ≥ 20 mph and 0 days ≥ 30 mph.

The maximum daily wind gust for the month was 23 mph and occurred on July 4, 2018 at 5:00 PM MST from 80°.

Evaporation:

Pan evaporation for July 2018 was 7.38” which was 0.47” below the normal for July (94% of normal).