

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

Month: July
Year: 2017



Temperature:

Mean T_{\max} was 89.3°F which is 2.7° above the 1981-2010 normal for the month. This is the 12th warmest in the 129 year record (1889-2017). The last July this warm or warmer was 2012 with 90.0°F .

Mean T_{\min} was 59.9°F which is 1.4° above the 1981-2010 normal for the month. This is the 9th warmest in the 129 year record (1889-2017), tied with 1999. The last July this warm or warmer was 2012 with 61.7°F .

Mean T_{mean} was 74.6°F which is 2.0° above the 1981-2010 normal for the month. This is the 9th warmest in the 129 year record (1889-2017), tied with 1954 and 2001. The last July this warm or warmer was 2012 with 76.0°F .

The maximum daily temperature for the month was 97°F and occurred on July 6th, 2017.

The minimum daily temperature for the month was 50°F and occurred on July 1st, 2017.

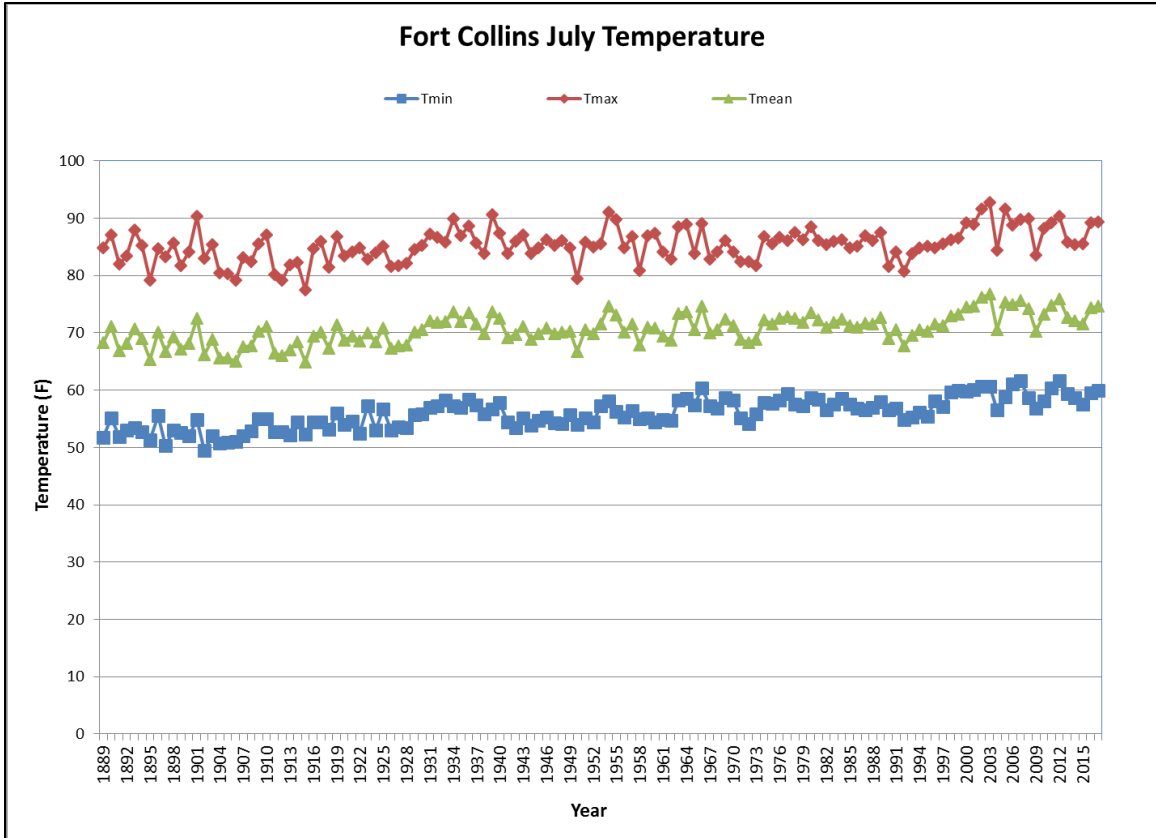


Figure 1: July temperature time series.

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

Warmest Minimum Temperature:

July 20, 2017: The minimum daily temperature of 68°F tied the record warmest minimum temperature for the day set in 2002.

90 Degree Days:

July had 16 days at or above 90°F. The 1889-2017 average for July is 9 days at or above 90°F.

As of the end of July, there have been 21 days at or above 90°F. The 1889-2017 average for 90 degree days through July is 13 days.

Precipitation and Snowfall:

Total monthly precipitation is 0.95” and was 0.76” below the 1981-2010 normal for the month (56% of normal). This ranks as the 46th driest in the 129 year record (1889-2017), tied with 1986. The last July this dry or drier was 2016 with 0.91” of precipitation.

Water year precipitation through July totaled 11.31” and is 1.86” below the normal for the water year (86% of normal). This ranks as the 56th driest start to the water year in the 128 year record (1890-2017). This last water year to start this dry or drier was 2013 with 11.00” through July.

July had 9 days with measurable precipitation (≥ 0.01 ”).

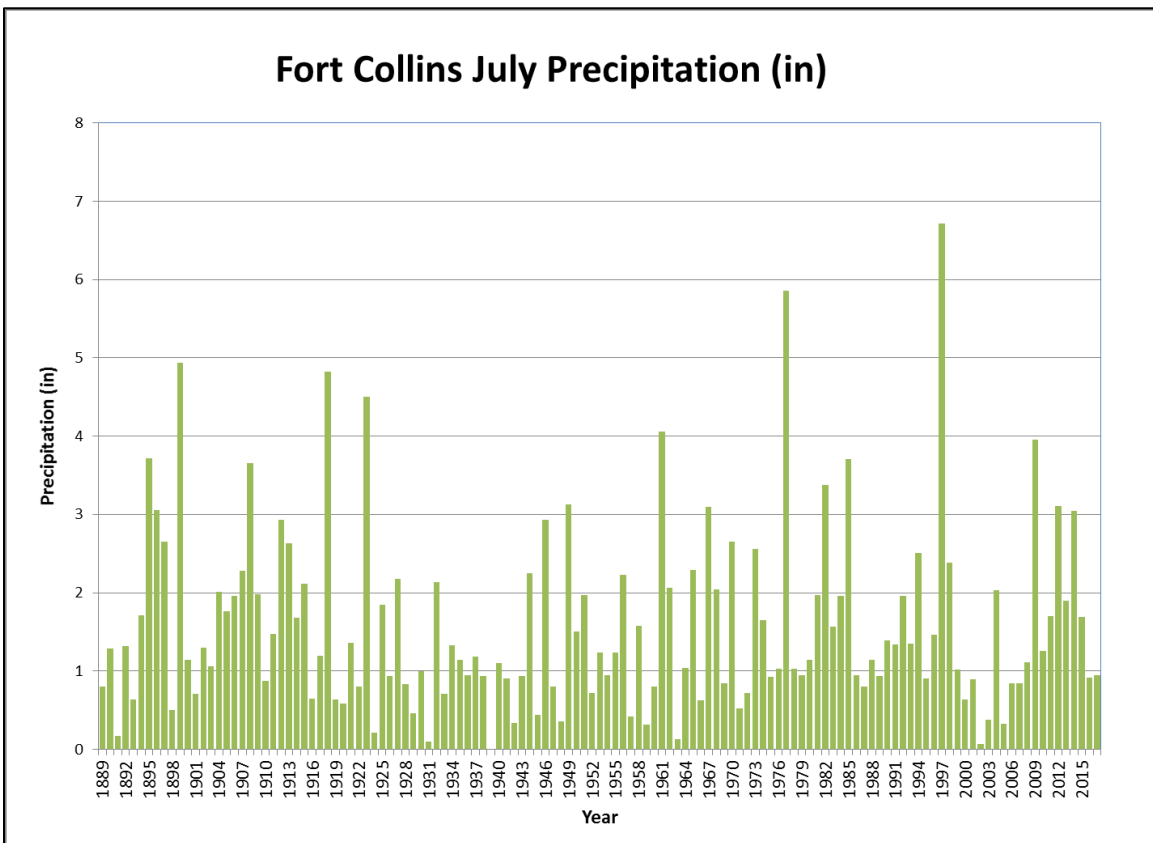


Figure 2: July precipitation time series.

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

No precipitation records in July

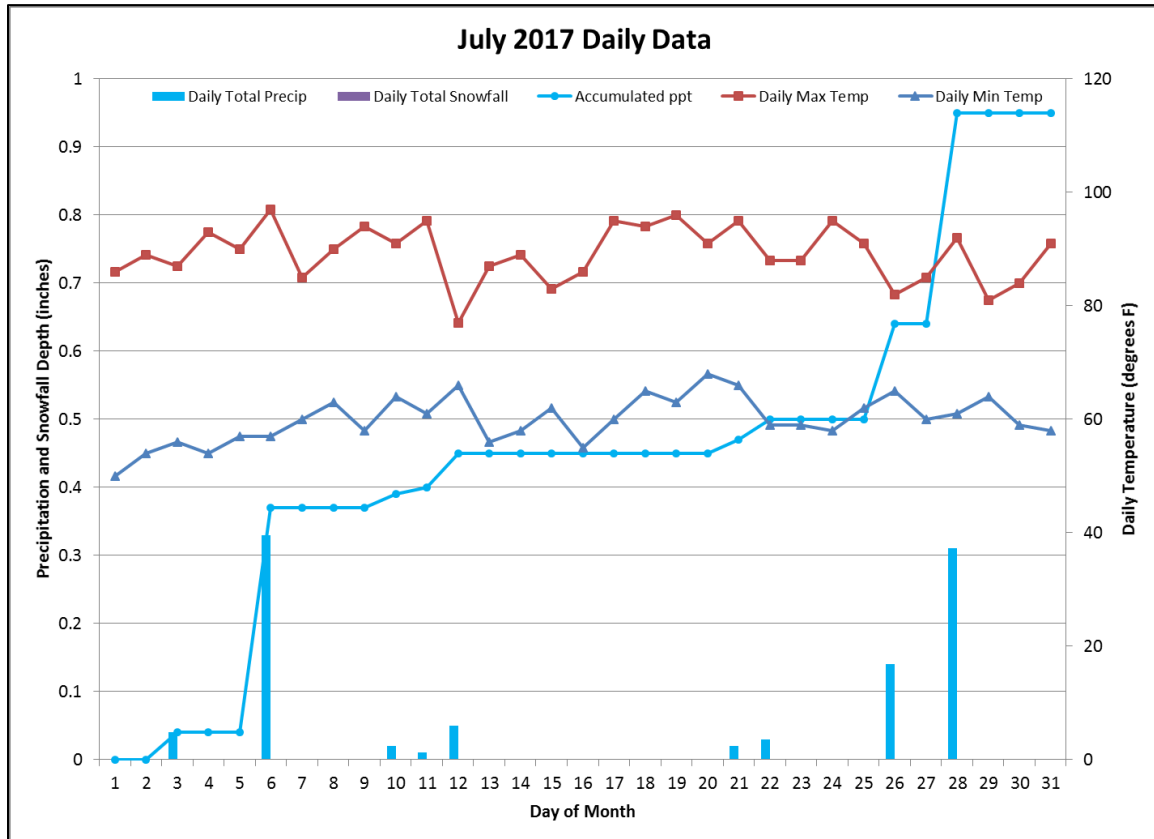


Figure 3: Daily Data for July 2017. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In July 2017 there were 7 days with maximum wind gusts ≥ 20 mph and 2 days ≥ 30 mph.

The maximum daily wind gust for the month was 37 mph and occurred on July 7, 2017 at 2:50 PM MST from 110° .

Evaporation:

Pan evaporation for July 2017 was 7.28'' which was 0.57'' below the normal for July (93% of normal).