

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

Month: July
Year: 2016



Temperature:

Mean T_{\max} was 89.2°F which is 2.6° above the 1981-2010 normal for the month. This is the 12th warmest in the 128 year record (1889-2016), tied with 2000 and 2011. The last July this warm or warmer was 2012 with 90.3°F.

Mean T_{\min} was 59.5°F which is 1.0° above the 1981-2010 normal for the month. This is the 12th warmest in the 128 year record (1889-2016). The last July this warm or warmer was 2012 with 61.7°F.

Mean T_{mean} was 74.4°F which is 1.8° above the 1981-2010 normal for the month. This is the 12th warmest in the 128 year record (1889-2016). The last July this warm or warmer was 2012 with 76.0°F.

The maximum daily temperature was 97°F and occurred on July 10th.
The minimum daily temperature was 54°F and occurred on July 9th, 12th and 13th.

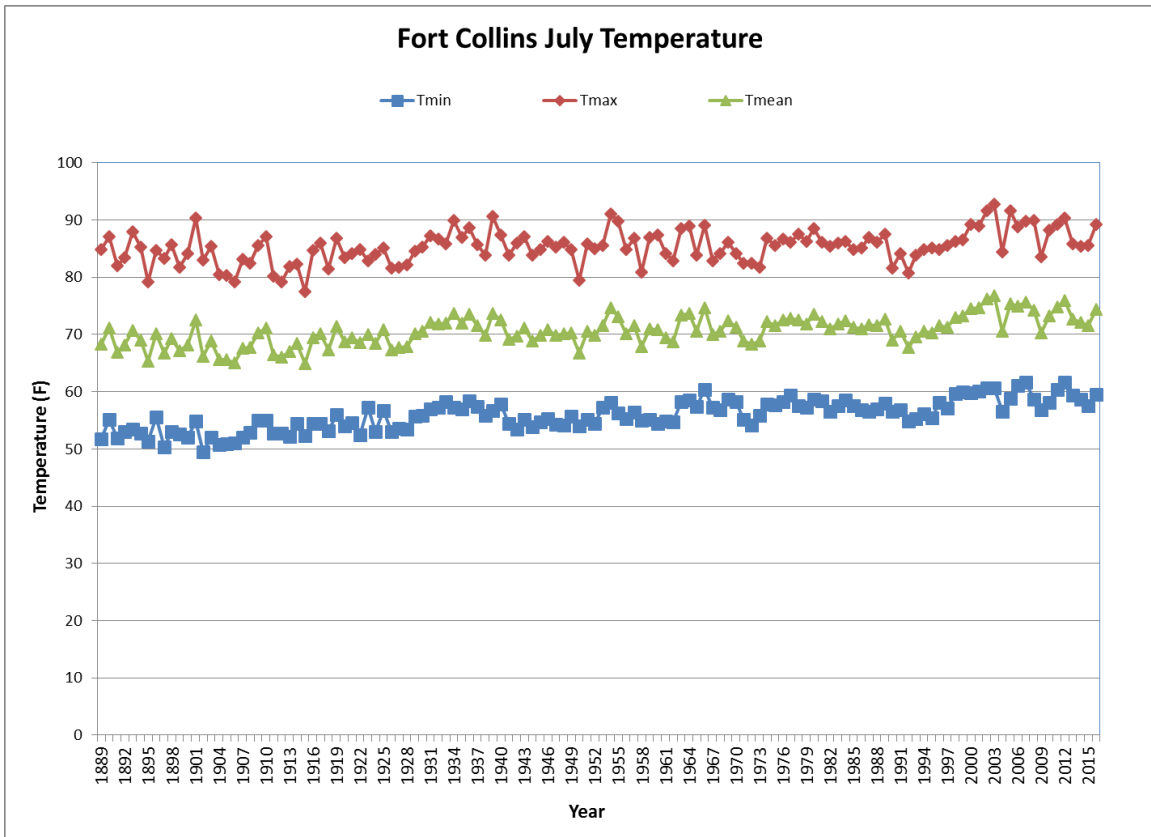


Figure 1: July temperature time series.

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

The minimum temperature for the month of 54° was the 8th warmest minimum temperature for July. The warmest minimum temperature in July was 57°F in 2012.

90 Degree Days

As of the end of July, there have been 24 days at or above 90°F in calendar year 2016. The 1889-2016 average for 90 degree days through July is 13.

Precipitation and Snowfall:

Total monthly precipitation is 0.91” and was 0.80” below the 1981-2010 normal for the month (53% of normal). This ranks as the 40th driest in the 128 year record (1889-2016). The last July this dry or drier was 2007 with 0.84” of precipitation.

Water year precipitation through July totaled 13.73” and is 0.56” above the normal for the water year (104% of normal). This ranks as the 44th wettest start to the water year in the 127 year record (1890-2016). The last water year to start this wet or wetter was 2015 with 16.63”.

July had 11 days with measurable precipitation (≥ 0.01 ”).

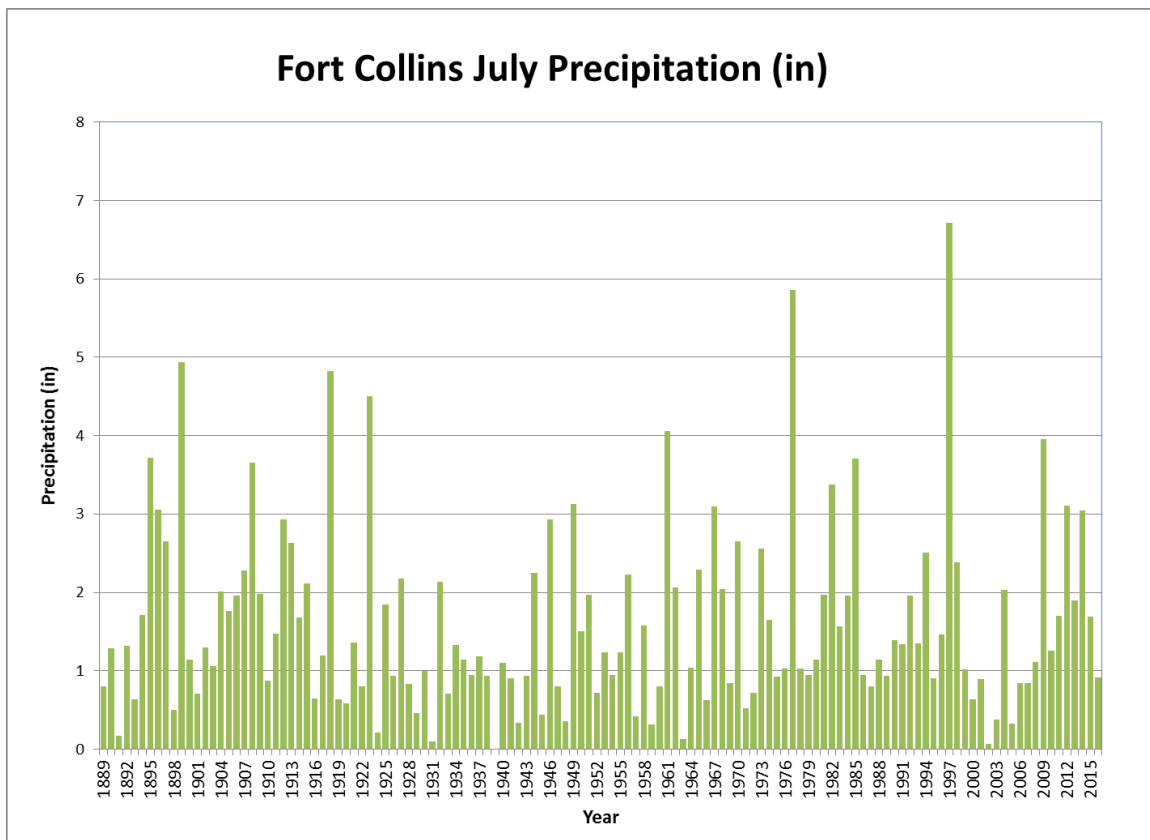


Figure 2: July precipitation time series.

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

No precipitation records for July

Wind:

In July 2016 there were 11 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 22nd at 19:30 MST from 250°.

Evapotranspiration:

Pan evaporation for July was 7.35" which was 0.50" below the normal for July (94% of normal).