

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

Month: June
Year: 2019



Hawk looking over the weather station.

Temperature:

Mean T_{\max} was 79.9°F which is 0.5° below the 1981-2010 normal for the month. This is the median temperature for June in our period of record, meaning this is the 66th coldest and warmest June mean maximum temperature in the 131-year record (1889-2019). The last June this cold or colder was 2009 with 76.2°F. The last June this warm or warmer was 2018 with 86.4°F

Mean T_{\min} was 50.5°F which is 2.1° below the 1981-2010 normal for the month. This is the 63rd coldest in the 131-year record (1889-2019), tied with 1954. The last June this cold or colder was 1998 with 49.2°F. This is only the second time in the 2000s the mean minimum temperature was below 51°F. 2004 was a temperature of 50.6°F.

Mean T_{mean} was 65.2°F which is 1.3° below the 1981-2010 the normal for the month. This is the 74th coldest in the 131-year record (1889-2019), tied with 1961. The last June this cold or colder was 2009 with 63.8°F.

The maximum daily temperature for the month was 94°F and occurred on June 28 and 29, 2019.

The minimum daily temperature for the month was 41°F and occurred on June 10, 2019.

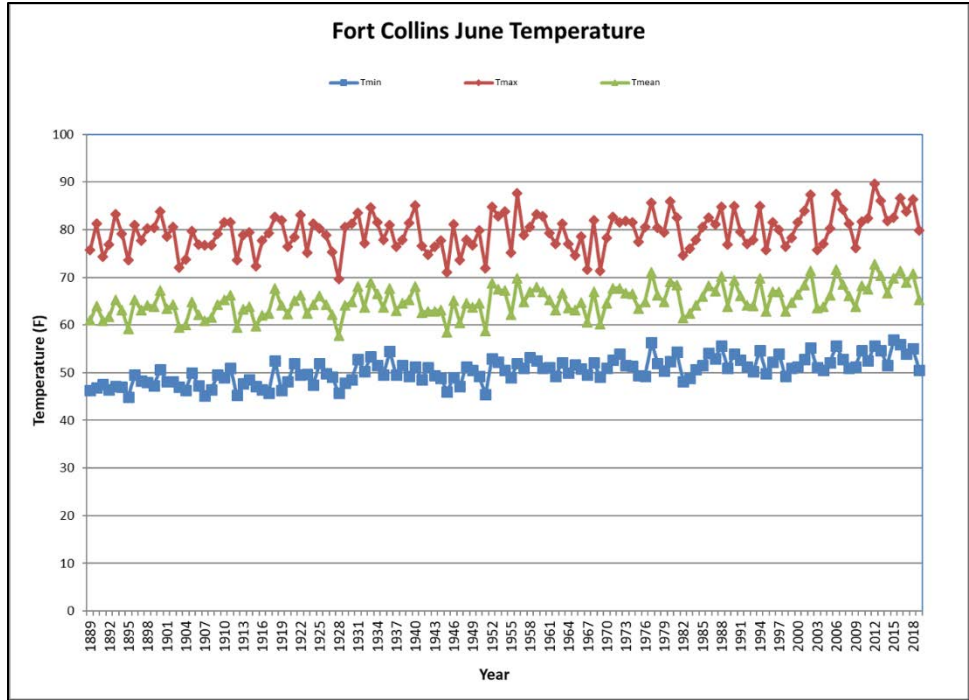


Figure 1: June temperature time series.

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

Warmest Minimum Daily Temperature:

June 29, 2019: The minimum temperature of 67°F degrees beat the highest minimum temperature for the day of 65°F set in 1986.

90F Degree Days:

June 2019 had 4 days at or above 90F. The average number of days in the 90s for June is 4.

The first day at or above 90F this year occurred on June 27, with a maximum temperature of 90°F. This is the 22nd latest in the year a 90F has occurred in the record.

Precipitation:

Total monthly precipitation was 2.59” which is 0.42” above the 1981-2010 normal for the month (119% of normal). This ranks as the 28th wettest in the 131-year record (1889-2019), tied with 1909. The last June this wet or wetter was 2011 with 2.78” of precipitation.

Water year precipitation through June totaled 11.69” which is 0.23” above the 1981-2010 normal for the water year (102% of normal). This ranks as the 46th wettest start to a water year in the 130-year record (1890-2019). The last water year to be this wet or wetter through June was 2016 with 12.82” of precipitation.

June had 15 days with measurable precipitation (≥ 0.01 ”). There were an additional 10 days with a trace of precipitation (less than 0.01”).

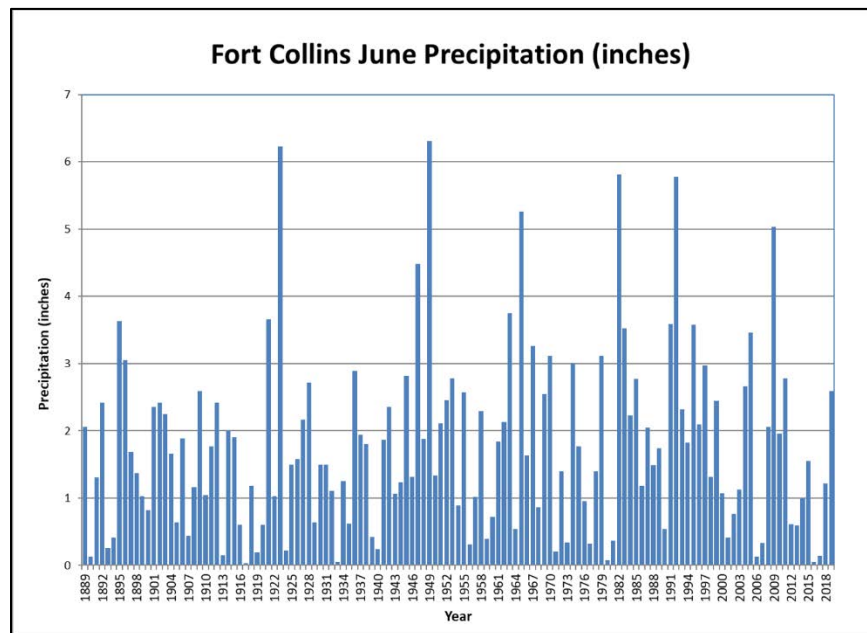


Figure 2: June precipitation time series.

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

Daily Precipitation Record:

June 22, 2019: The daily precipitation total of 0.74” broke the record for the day of 0.35” set in 1942 and 1991.

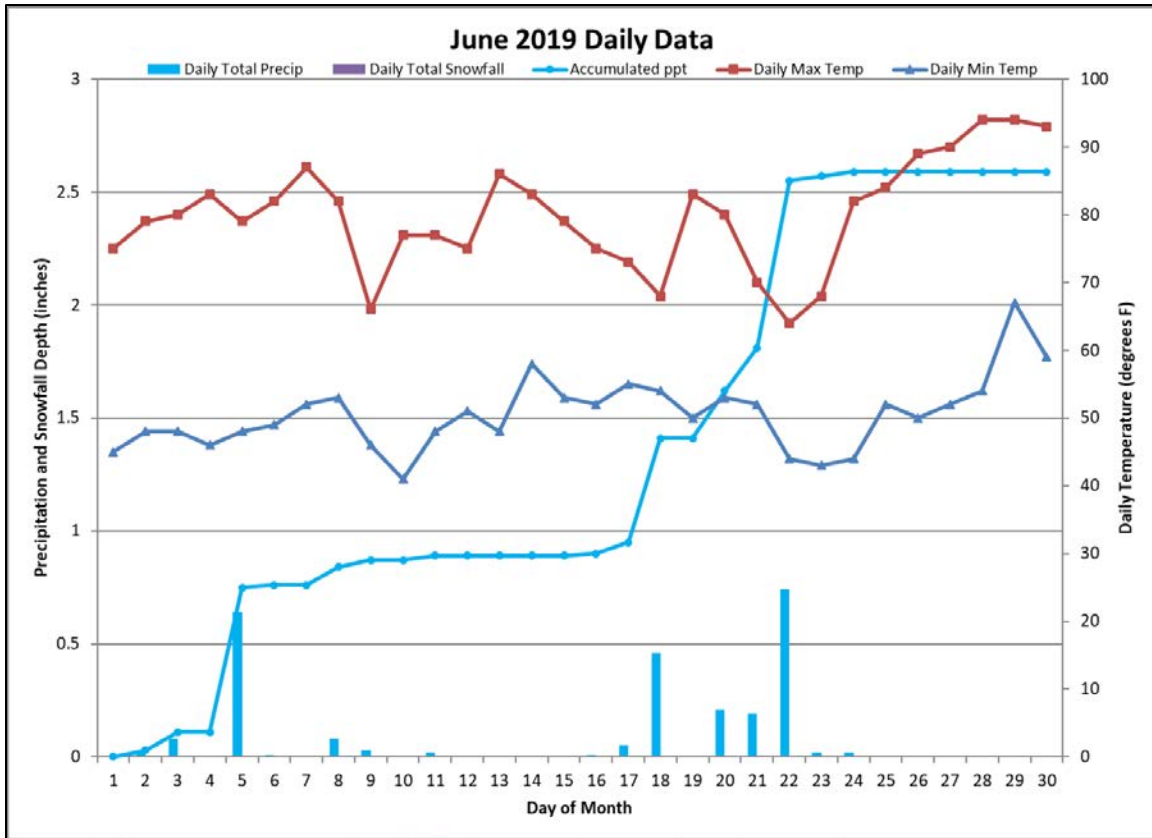


Figure 3: Daily Data for June 2019. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In June 2019 there were 14 days with maximum wind gusts ≥ 20 mph and 0 days ≥ 30 mph.

The maximum wind gust for the month was 29 mph and occurred on June 7, 2019 at 2:10 PM MST from 280° (West Northwest).

Evaporation:

Pan evaporation for June 2019 was 6.00” which was 1.11” below the normal for June (84% of normal).