

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

Month: June
Year: 2017



Temperature:

Mean T_{\max} was 83.8°F which is 3.4° above the 1981-2010 normal for the month. This is the 17th warmest in the 129 year record (1889-2017), tied with 1900 and 1954. The last June this warm or warmer was 2016 with 86.7°F .

Mean T_{\min} was 53.9°F which is 1.3° above the 1981-2010 normal for the month. This is the 15th warmest in the 129 year record (1889-2017), tied with 1972 and 1990. The last June this warm or warmer was 2016 with 55.9°F .

Mean T_{mean} was 68.9°F which is 2.3° above the 1981-2010 normal for the month. This is the 14th warmest in the 129 year record (1889-2017). The last June this warm or warmer was 2016 with 71.3°F . The last time June was at or below the normal mean temperature of 66.5°F was 2009 with 63.8°F .

The maximum daily temperature for the month was 100°F and occurred on June 21st, 2017.

The minimum daily temperature for the month was 48°F and occurred on June 1st and 4th, 2017.

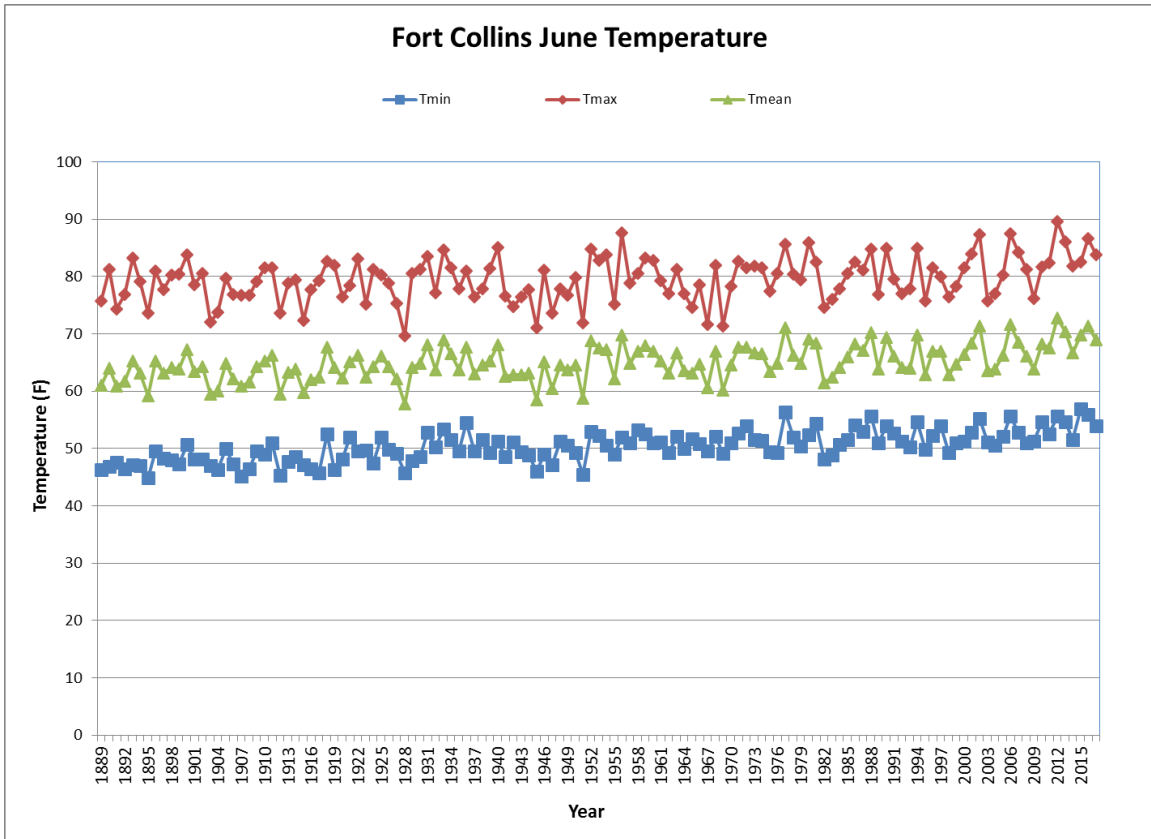


Figure 1: June temperature time series.

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

Highest Maximum Temperature:

June 21, 2017: The maximum daily temperature of 100°F broke the previous record for the day of 99°F set in 2016.

-This is the first 100° day at the weather station since June 25, 2012 where the high temperature reached 102°F.

Precipitation and Snowfall:

Total monthly precipitation is 0.14” and was 2.03” below the 1981-2010 normal for the month (7% of normal). This ranks as the 7th driest in the 129 year record (1889-2017). The last June this dry or drier was 2016 with 0.05” of precipitation. The last June with above the normal precipitation of 2.17” was 2011 with 2.78”.

Water year precipitation through June totaled 10.36” and is 1.10” below the normal for the water year (90% of normal). This ranks as the 66th 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 9.10” through June.

Snowfall for the 2017 snow season (July 2016-June 2017) totaled 36.3” which is 19.5” below the 1981-2010 normal (65% of normal). This ranks as the 36th least snowy season in the 128 year record (1890-2017). The last season with this little snowfall was 2011 with 23.7”.

June had 3 days with measurable precipitation (≥ 0.01 ”).

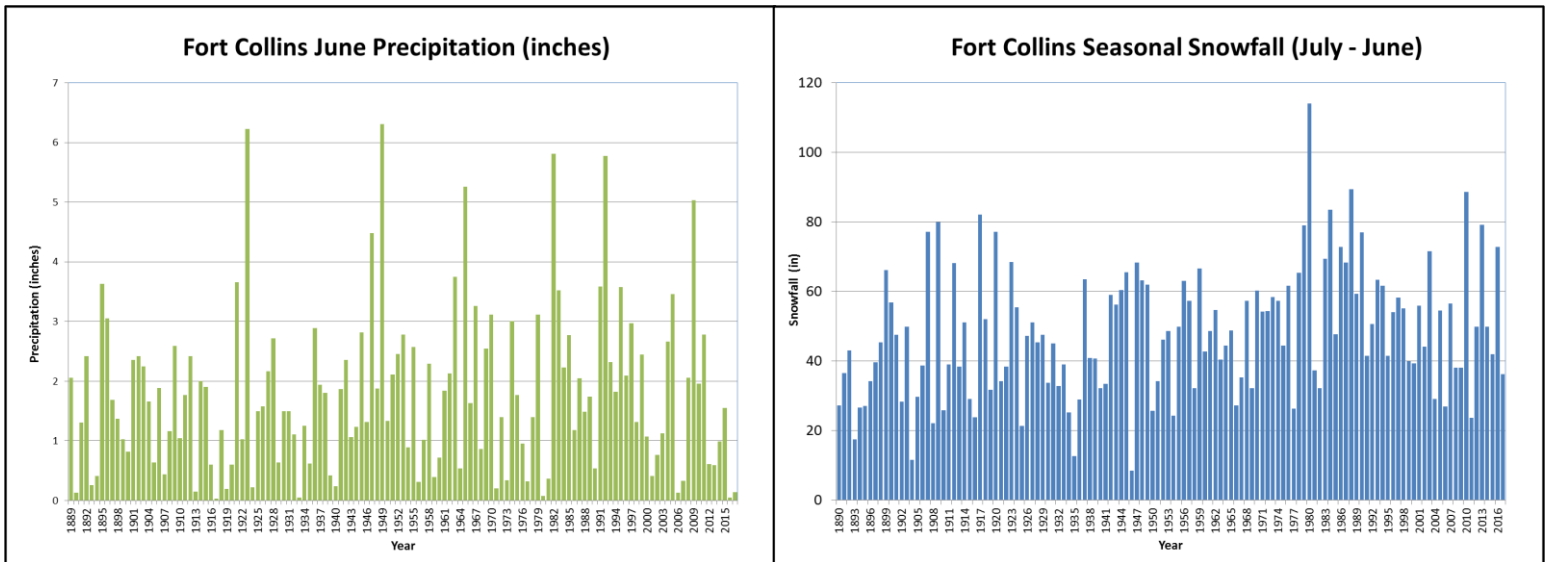


Figure 2: June precipitation (left) and snowfall seasonal (right) time series.

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

No precipitation records in June

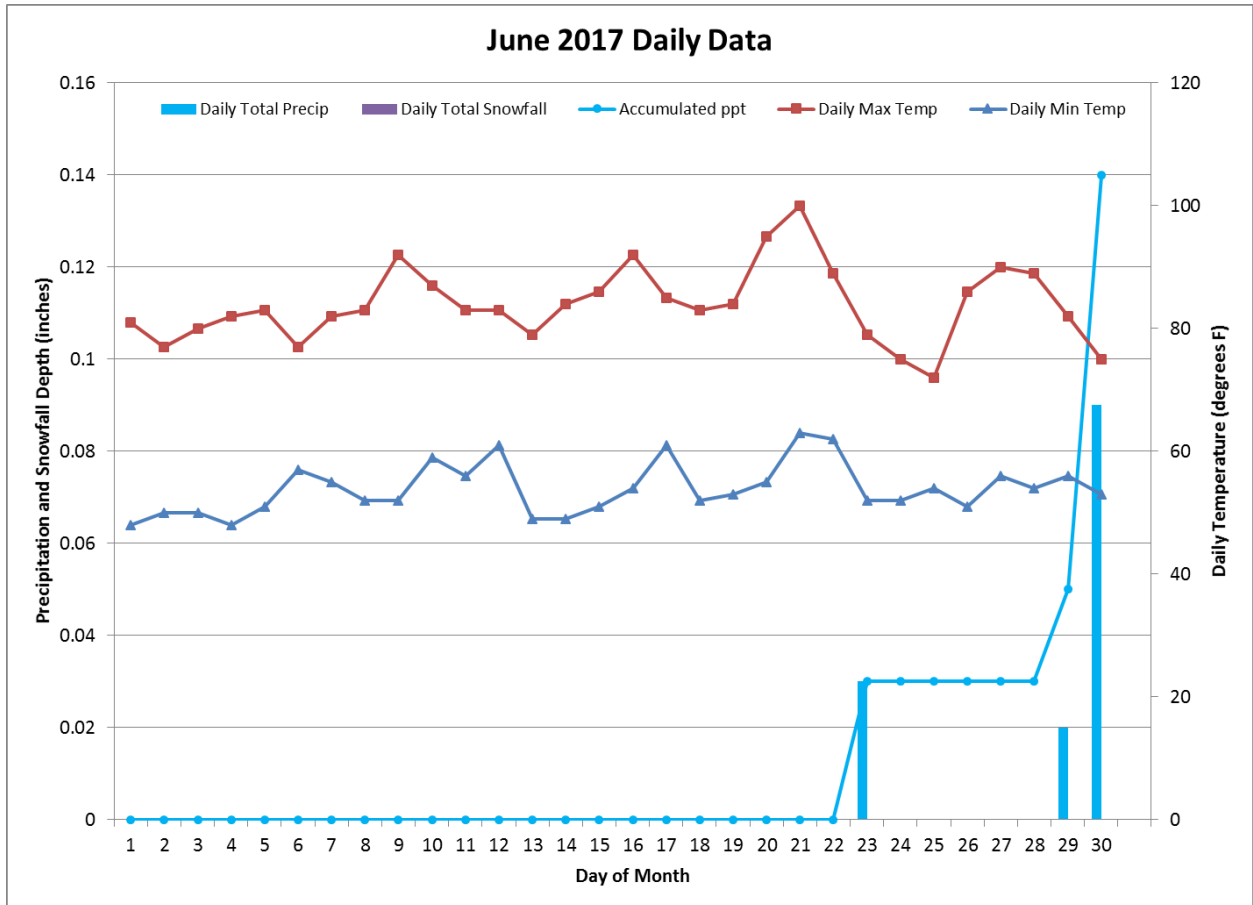


Figure 3: Daily Data for June 2017. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In June 2017 there were 8 days with maximum wind gusts ≥ 20 mph and 0 days ≥ 30 mph.

The maximum daily wind gust for the month was 26 mph and occurred on June 27, 2017 at 1:50 PM MST from 200° .

Evaporation:

Pan evaporation for June 2017 was 7.78" which was 0.67" above the normal for June (109% of normal).