

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

Month: June
Year: 2013



Temperature:

Mean T_{\max} was 86.1 which is 5.7 degrees above the normal for the month. This ranks as the 5th warmest in the 125 year record (1889-2013). The last June this warm was last year with 89.6 degrees (2012 was the warmest on record).

Mean T_{\min} was 54.6 degrees which is 2.0 degrees above the normal for the month. This ranks as the 8th warmest in the 125 year record (1889-2013). The last June this warm was last year with 55.7 degrees.

Mean T_{mean} was 70.4 degrees which is 3.8 degrees above the normal for the month. This ranks as the 5th warmest in the 125 year record (1889-2013). The last June this warm was last year with 72.7 degrees (2012 was the warmest on record).

The maximum daily temperature was 97 and occurred on 27 and 28 June 2013.

The minimum daily temperature was 41 and occurred on 2 June 2013.

A time series of temperatures for Fort Collins, CO is shown in Figure 1 below.

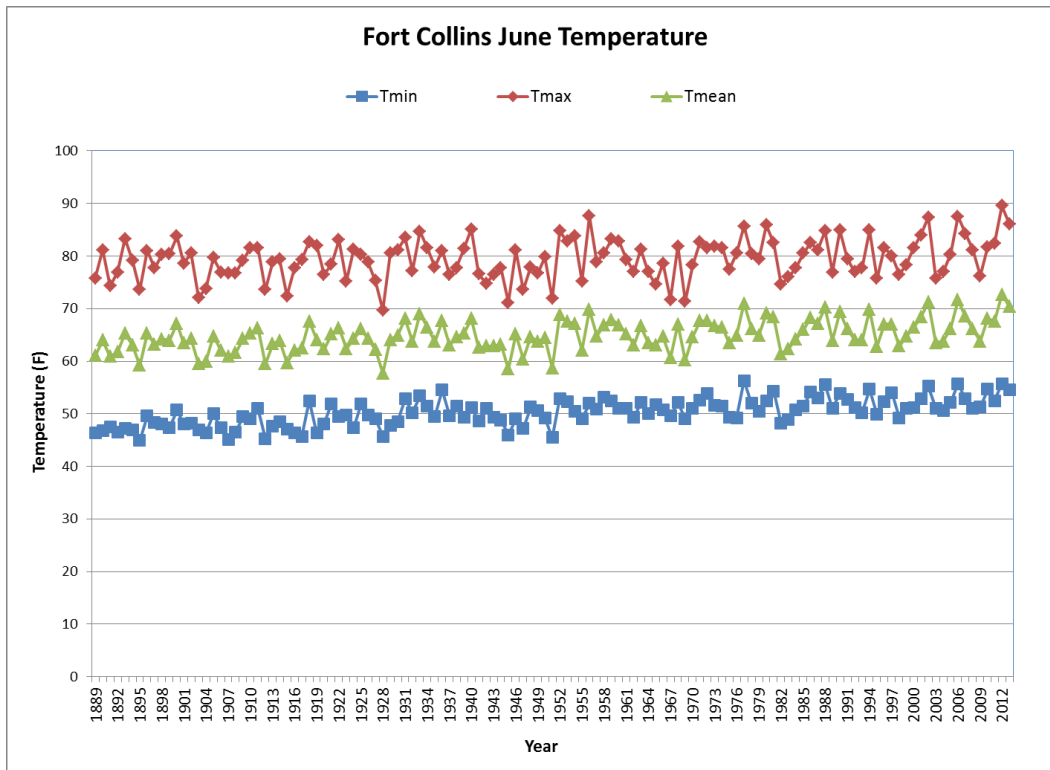


Figure 1: May temperature time series

Misc. Temperature (record status, days above/below thresholds):

Highest Maximum Temperature:

11 June 2013: The maximum temperature of 96 degrees tied the record set in 1956.

28 June 2013: The maximum temperature of 97 tied the record set in 1898.

Highest Minimum Temperature:

27 June 2013: The low temperature of 65 degrees broke the old record of 64 set in 1977 and 2012.

Precipitation and Snowfall:

Total monthly precipitation was 0.59" and was 1.58" below the normal for the month (27% of normal). This ranks as the 24th driest in the 125 year record (1889-2013). The last June this dry was last year with only 0.33".

Water year 2013 precipitation total was 9.10” and was 2.36” below the normal for the water year through June (79% of normal). This ranks as the 40th driest water year through June in the 124 year record (1890-2013). The last water year this dry by the end of June was last year which only had 6.92”.

Time series of June and water year precipitation are shown in figure 2.

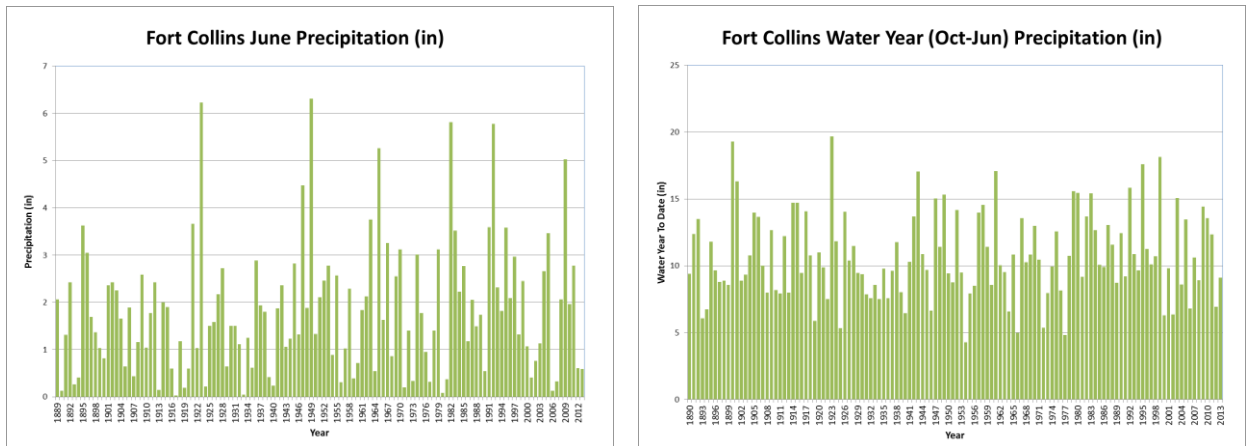


Figure 2: June (left) and water year (right) precipitation time series.

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

Wind:

In May 2013 there were 15 days with maximum wind gusts ≥ 20 mph and 2 days ≥ 30 mph.

The maximum daily wind gust for the month was 39 mph and occurred on 28 June 2013 at 19:10 MST from 80°.

Evaporation:

June 2013 pan evaporation was 8.27" which was 1.46" above the normal (121% of normal).