

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

Month: October
Year: 2013



Temperature:

Mean T_{\max} was 59.7 which is 4.2 degrees below the normal for the month. This ranks as the 12th coldest in the 125 year record (1889-2013). The last October this cold or colder was 2009 with 55.1 degrees (2009 also had 25.7” of snowfall).

Mean T_{\min} was 35.0 degrees which is 1.4 degrees below the normal for the month. This ranks as the 47th warmest in the 125 year record (1889-2013) tied with 1921 and 1987. The last October this warm or warmer was 2012 with 35.3 degrees.

Mean T_{mean} was 47.4 degrees which is 2.9 degrees below the normal for the month. This ranks as the 27th coldest in the 125 year record (1889-2013) tied with 1890, 1917, and 1941. The last October this cold or colder was 2009 with 43.3 degrees.

The maximum daily temperature was 77 and occurred on 8 October 2013.
The minimum daily temperature was 26 and occurred on 16 October 2013.

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

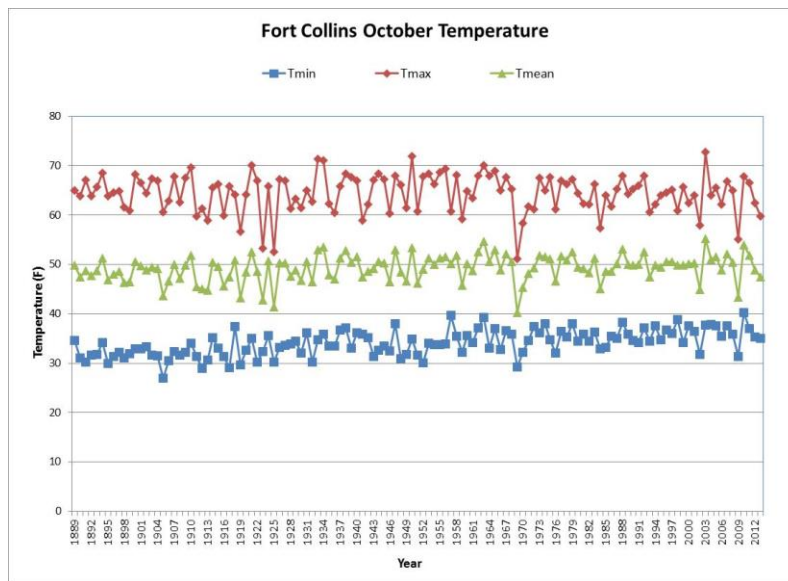


Figure 1: October temperature time series

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

Precipitation and Snowfall:

Total monthly precipitation was 1.68” and was 0.53” above the normal for the month (146% of normal). This ranks as the 31st wettest in the 125 year record (1889-2013). The last October this wet was 2011 with 1.77”.

Total monthly snowfall was 3.3” and was 0.3” below the normal for the month (92% of normal). This ranks as the 42nd snowiest October in the 125 year record (1889-2013). The last October this snowy or snowier was 2012 with 3.6”

Time series of October precipitation and snowfall are shown in figure 2.

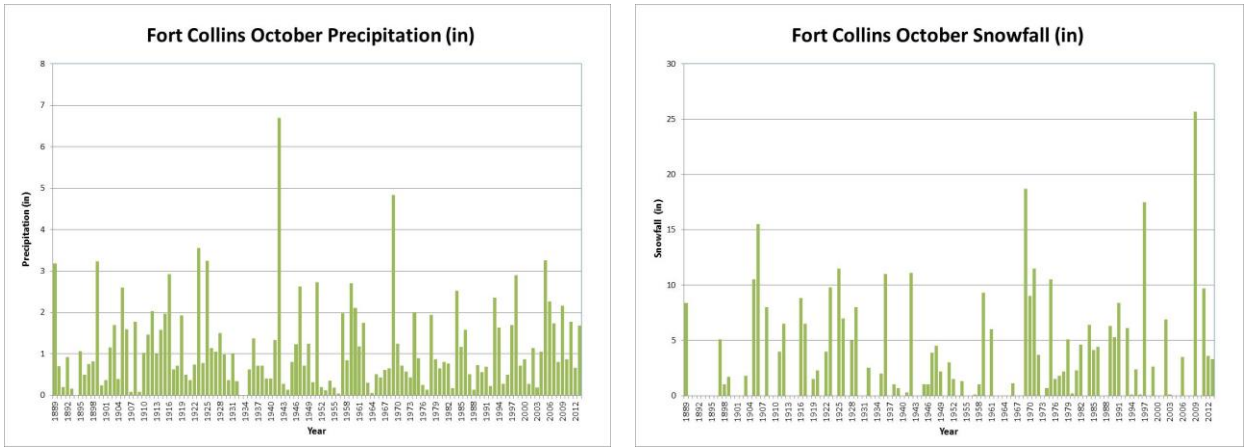


Figure 2: October precipitation (left) and snowfall (right) time series.

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

Wind:

In October 2013 there were 6 days with maximum wind gusts ≥ 20 mph and 1 day ≥ 30 mph.

The maximum daily wind gust for the month was 30 mph and occurred on 11 October 2013 at 05:30 MST from 300°.

Evaporation:

October 2013 pan evaporation was 2.49” which was 0.72” below the normal (78% of normal).