

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

Month: December
Year: 2013



Temperature:

Mean T_{\max} was 41.2 which is 1.6 degrees below the normal for the month. This ranks as the 39th coolest in the 125 year record (1889-2013) tied with 1891. The last December this cool or cooler was 2009 with 35.7 degrees.

Mean T_{\min} was 14.7 degrees which is 3.0 degrees below the normal for the month. This ranks as the 44th coolest in the 125 year record (1889-2013) tied with 1915. The last December this cool or cooler was 2009 with 12.3 degrees.

Mean T_{mean} was 28.0 degrees which is 2.3 degrees below the normal for the month. This ranks as the 44th coolest in the 125 year record (1889-2013) tied with 1987. The last December this cool or cooler was 2009 with 24.0 degrees.

Calendar year mean temperature for 2013 was 50.0 degrees which is 0.3 degrees below the normal for the year. This ranks as the 20th warmest calendar year in the 125 year record (1889-2013) tied with 2008. The last year this warm or warmer was 2012 (last year) with 53.5 degrees.

The maximum daily temperature was 63 and occurred on 16 December 2013.

The minimum daily temperature was -8 and occurred on 5 December 2013.

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

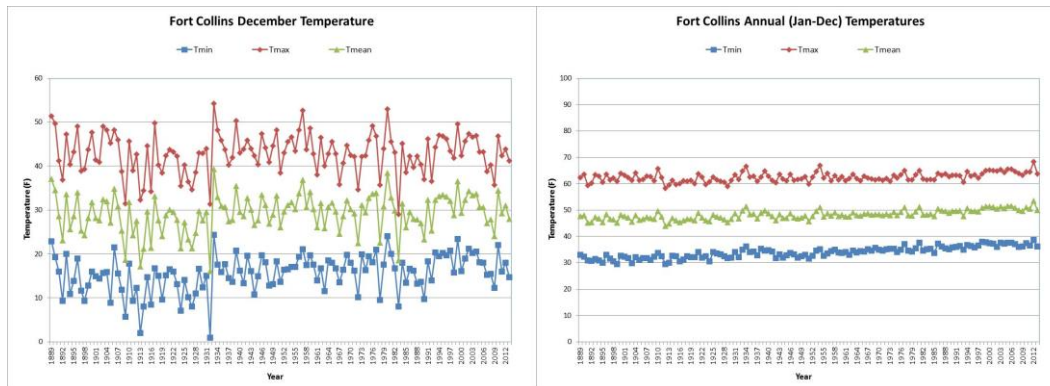


Figure 1: December (left) and Annual (right) temperature time series

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

Precipitation and Snowfall:

Total monthly precipitation was 0.45” and was 0.05” below the normal for the month (90% of normal). This ranks as the 51st wettest in the 125 year record (1889-2013) tied with 1994.

Calendar year precipitation was 18.81” and was 2.71” above the normal for the year (117% of normal). This ranks as the 24th wettest year in the 125 year record (1889-2013). The last year this wet or wetter was 2009 with 21.88”.

Total monthly snowfall was 6.3” and was 2.1” below the normal for the month (75% of normal). This ranks as the 50th snowiest December in the 125 year record (1889-2013) tied with 1932, 1971 and 1990.

Seasonal snowfall was 12.6” and was 8.9” below the normal for the season through December (59% of normal). This ranks as the 55th least snowy start to a season in the 125 year record (1890-2014).

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

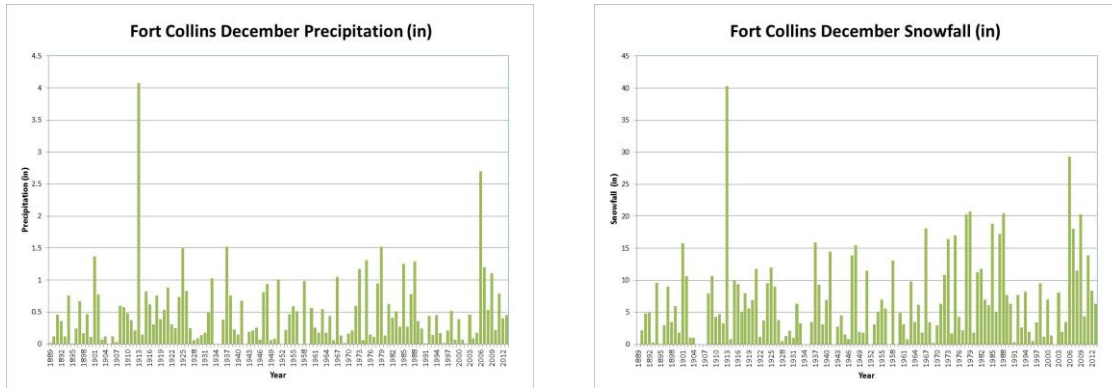


Figure 2: December precipitation (left) and snowfall (right) time series.

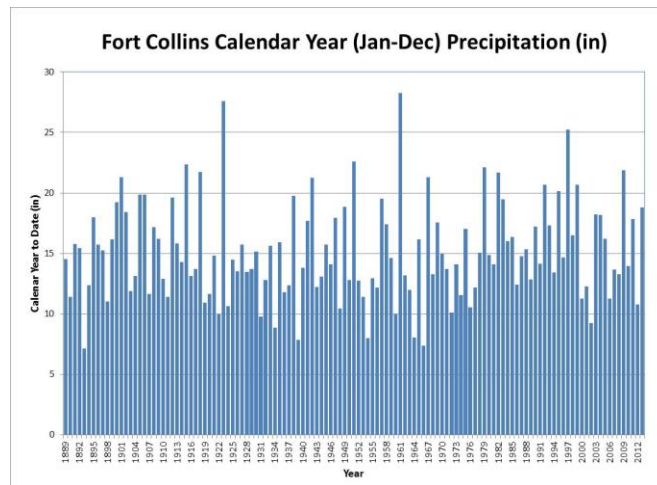


Figure 3: Calendar year precipitation time series.

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

Wind:

In December 2013 there were 8 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 10 December 2013 at 16:20 MST from 310° .