

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

Month: January
Year: 2014



Temperature:

Mean T_{\max} was 46.3 which is 2.1 degrees above the normal for the month. This ranks as the 24th warmest in the 126 year record (1889-2014) tied with 1946, 1989 and 1999. The last January this warm or warmer was 2012 with 51.5 degrees.

Mean T_{\min} was 18.5 degrees which is 0.6 degrees above the normal for the month. This ranks as the 20th warmest in the 126 year record (1889-2014). The last January this warm or warmer was 2012 with 21.7 degrees.

Mean T_{mean} was 32.4 degrees which is 1.3 degrees above the normal for the month. This ranks as the 22nd warmest in the 126 year record (1889-2014). The last January this warm or warmer was 2012 with 36.6 degrees.

The maximum daily temperature was 65 and occurred on 19 and 21 January 2014.

The minimum daily temperature was -6 and occurred on 6 January 2014.

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

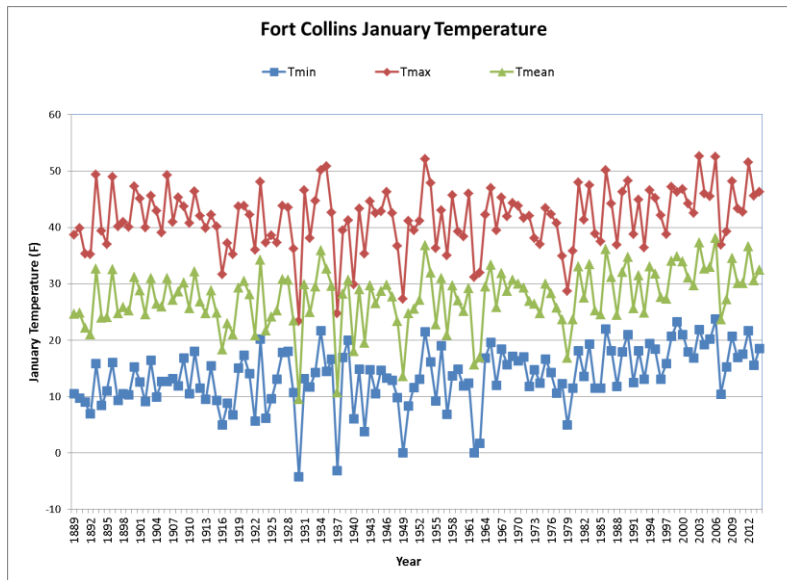


Figure 1: January temperature time series

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

None

Precipitation and Snowfall:

Total monthly precipitation was 1.43” and was 1.03” above the normal for the month (358% of normal). This ranks as the 2nd wettest in the 126 year record (1889-2014). The last January this wet or wetter was 1891 with 2.31”.

Water year 2014 precipitation was 3.78” and was 0.97” above the normal for the water year through January (135% of normal). This ranks as the 18th wettest start to a water year in the 125 year record (1890-2014). The last water year to start this wet was water year 2010 with 4.12”.

Total monthly snowfall was 16.8” and was 8.9” above the normal for the month (213% of normal). This ranks as the 7th snowiest January in the 126 year record (1889-2014) tied with 1985.

Seasonal snowfall was 29.4” which was the normal for the season through January (100% of normal). This ranks as the 32nd snowiest start to a season

in the 125 year record (1890-2014). The last season this snowy was 2012 with 35.2” by the end of January.

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

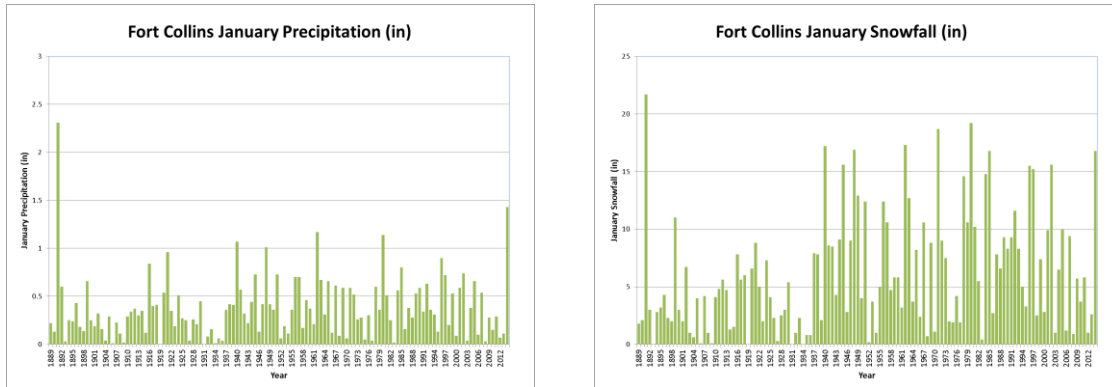


Figure 2: January precipitation (left) and snowfall (right) time series.

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

Daily Precipitation Records:

23 January 2014: Daily precipitation of 0.16” tied the record set in 1978.

27 January 2014: Daily precipitation of 0.37” broke the old record of 0.36” set in 1945.

31 January 2014: Daily precipitation of 0.64” broke the old record of 0.15” set in 1996 and 2005.

Daily Snowfall Records:

31 January 2014: Daily snowfall of 5.8” broke the old record of 3.8” set in 1896.

Wind:

In January 2013 there were 15 days with maximum wind gusts ≥ 20 mph and 6 days ≥ 30 mph.

The maximum daily wind gust for the month was 41 mph and occurred on 10 January 2014 at 13:40 MST from 290°.