

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

Month: February
Year: 2013



Temperature:

Mean T_{\max} was 45.3 which is 1.3 degrees below the normal for the month. This ranks as the 58th warmest in the 125 year record (1889-2013).

Mean T_{\min} was 18.1 degrees which is 2.8 degrees below the normal for the month. This ranks as the 63rd warmest/coldest in the 125 year record (1889-2013).

Mean T_{mean} was 31.7 degrees which is 2.0 degrees below the normal for the month. This ranks as the 63rd warmest/coldest in the 125 year record (1889-2013).

Winter (DJF) mean temperature was 31.1 degrees which is 0.6 degrees below the normal for the season. This ranks as the 35th warmest winter in the 124 year record (1890-2013).

The maximum daily temperature was 61 and occurred on 17 February 2013. The minimum daily temperature was 6 and occurred on 25 February 2013.

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

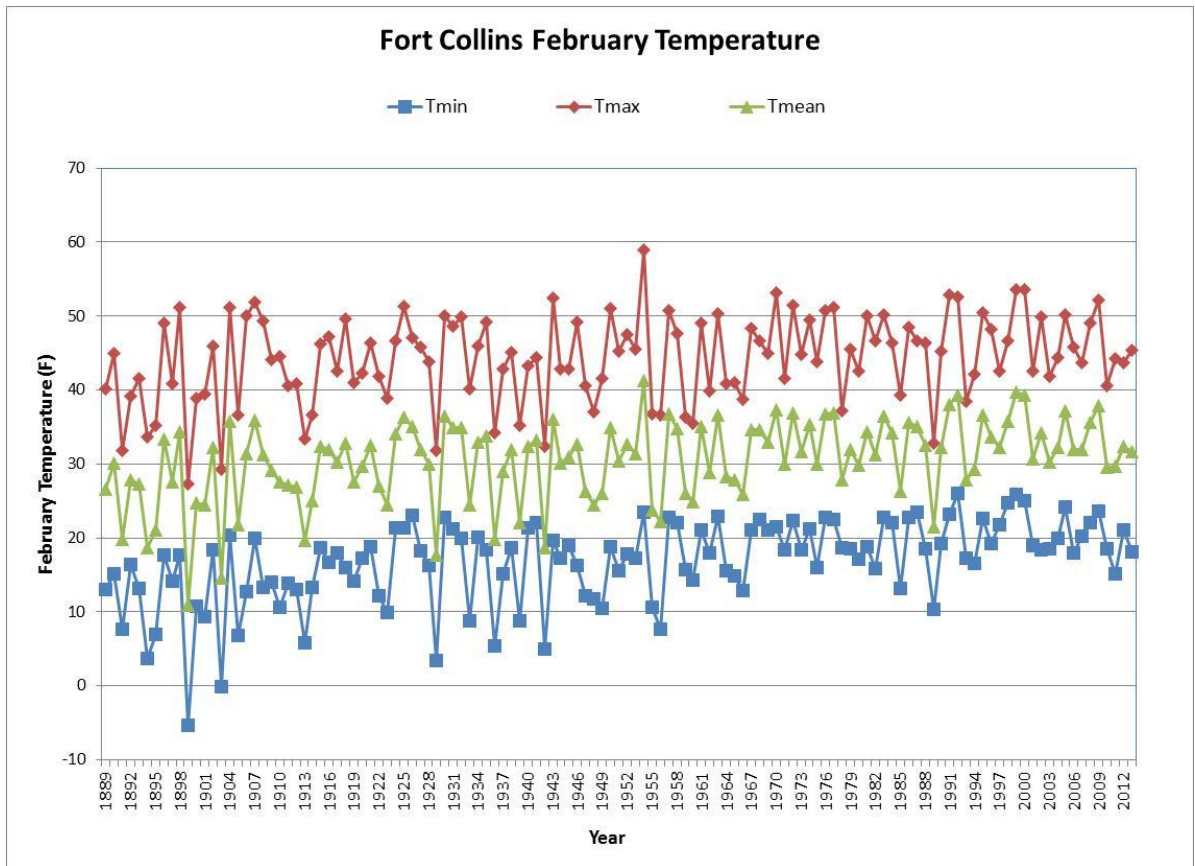


Figure 1: February temperature time series

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

Precipitation and Snowfall:

Total monthly precipitation was 0.55” and was 0.15” above the normal for the month (138% of normal). This ranks as the 44th wettest in the 125 year record (1889-2013).

Water year 2013 precipitation total was 1.86” and was 1.35” below the normal for the water year through February (58% of normal). This ranks as the 24th driest start to the water year in the 124 year data record (1890-2013) tied with 1967 and 2004. The last water year to start this dry was 2009 with 1.79”.

Winter (DJF) precipitation was 1.06” and was 0.24” below the normal for the season (82% of normal). This ranks as the 50th driest winter in the 124

year data record (1890-2013) tied with 1919 and 1999. The last winter this dry or drier was 2009 with 0.97”.

Total monthly snowfall was 8.9” which is 2.0” above the normal for the month (129% of normal). This ranks as the 42th snowiest February in the 125 year record (1889-2013).

Seasonal snowfall was 24.2” which is 12.1” below the normal for the season (67% of normal). This ranks as the 47th least snowy season in the 124 year snow season record (1890-2013). The last season with this little snow was 2011 with 21.6”.

Winter (DJF) snowfall was 19.9” which is 3.3” below the normal for the season (86% of normal). This ranks as the 55th snowiest winter in the 124 year record (1890-2013) tied with 1973.

Time series of February and water year precipitation are shown in Figure 2.

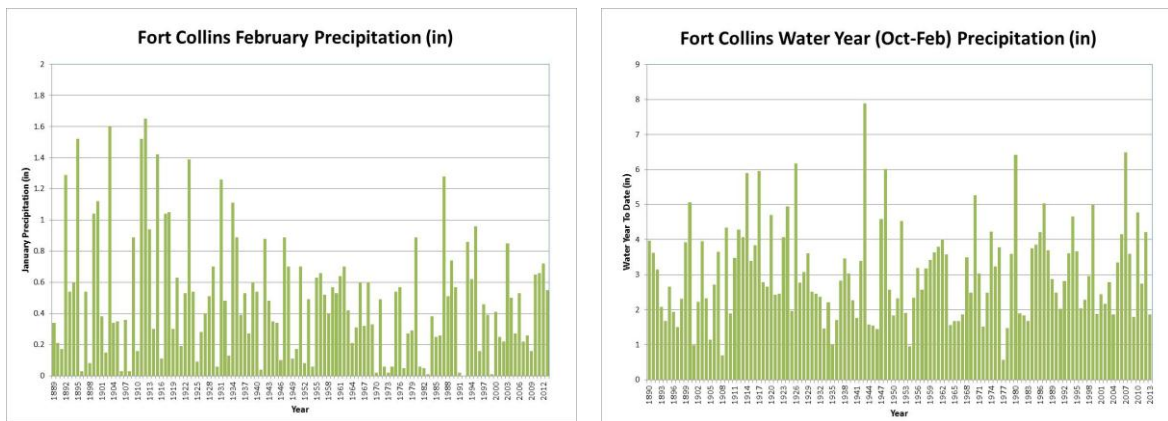


Figure 2: February (left) and calendar year (right) precipitation time series

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

Wind:

In February 2013 there were 10 days with maximum wind gusts ≥ 20 mph and 1 days ≥ 30 mph.

The maximum daily wind gust for the month was 30 mph and occurred on 1 February 2013 at 13:20 MST from 300° .