

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

**Month: February**  
**Year: 2014**



### **Temperature:**

Mean  $T_{\max}$  was 42.3 which is 4.3 degrees below the normal for the month. This ranks as the 45<sup>th</sup> coldest in the 126 year record (1889-2014).

Mean  $T_{\min}$  was 16.3 degrees which is 4.7 degrees below the normal for the month. This ranks as the 48<sup>th</sup> coldest in the 126 year record (1889-2014) tied with 1946.

Mean  $T_{\text{mean}}$  was 29.3 degrees which is 4.4 degrees below the normal for the month. This ranks as the 43<sup>rd</sup> coldest in the 126 year record (1889-2014) tied with 1994.

Winter (Dec-Feb)  $T_{\text{mean}}$  was 29.9 degrees which is 1.8 degrees below the normal for the season. This ranks as the 50<sup>th</sup> warmest winter in the 125 year record (1890-2014) tied with 2008.

The maximum daily temperature was 64 and occurred on 16 February 2014. The minimum daily temperature was -14 and occurred on 5 February 2014. **-14F** is the coldest temperature recorded in the 2014 winter season.

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

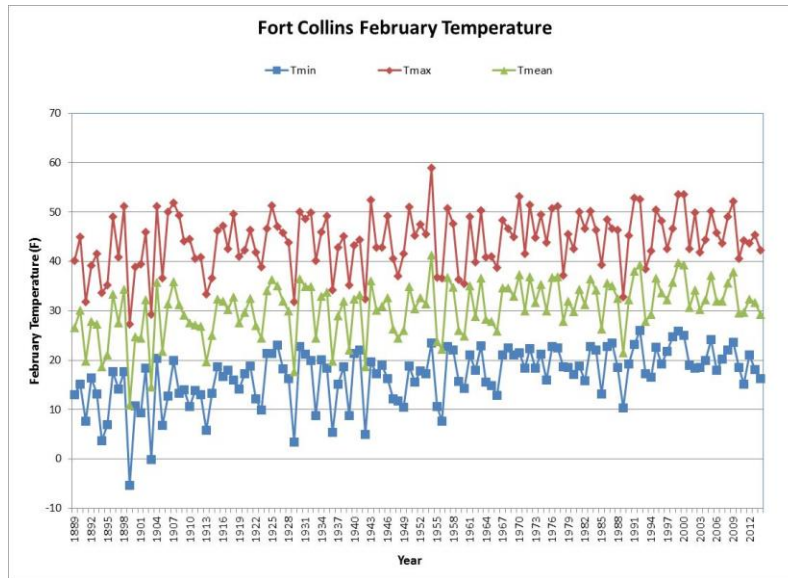


Figure 1: February temperature time series

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

#### *Lowest Maximum Temperature*

5 February 2014: Daily maximum of 5 degrees tied the record set in 1889.

6 February 2014: Daily maximum of 3 degrees broke the record set in 1899.

#### *Highest Minimum Temperature*

18 February 2014: Daily minimum of 40 tied the record set in 1996.

### **Precipitation and Snowfall:**

Total monthly precipitation was 0.30” and was 0.10” below the normal for the month (75% of normal). This ranks as the 45<sup>th</sup> driest in the 126 year record (1889-2014) tied with 1914 and 1919.

Winter (Dec-Feb) precipitation was 2.18” and was 0.88” above the normal for the season (168% of normal). This ranks as the 13<sup>th</sup> wettest winter in the 125 year record (1890-2014) tied with 1976. The last winter season this wet was 2007 with 3.46”.

Water year 2014 precipitation was 4.08” and was 0.87” above the normal for the water year through February (127% of normal). This ranks as the 24<sup>th</sup> wettest start to a water year in the 125 year record (1890-2014). The last water year to start this wet was water year 2012 with 4.22”.

Total monthly snowfall was 7.1” and was 0.2” above the normal for the month (103% of normal). This ranks as the 50<sup>th</sup> snowiest February in the 126 year record (1889-2014) tied with 1894 and 2006.

Winter (Dec-Feb) snowfall was 30.2” and was 7.0” above the normal for the season (130% of normal). This ranks as the 18<sup>th</sup> snowiest winter in the 125 year record (1890-2014). The last winter this snowy was 2010 with 37.0” of snowfall.

Seasonal snowfall was 36.5” which was 0.2” above the normal for the season through February (101% of normal). This ranks as the 36<sup>th</sup> snowiest start to a season in the 125 year record (1890-2014) tied with 1985. The last season this snowy was 2012 with 49.9” by the end of February.

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

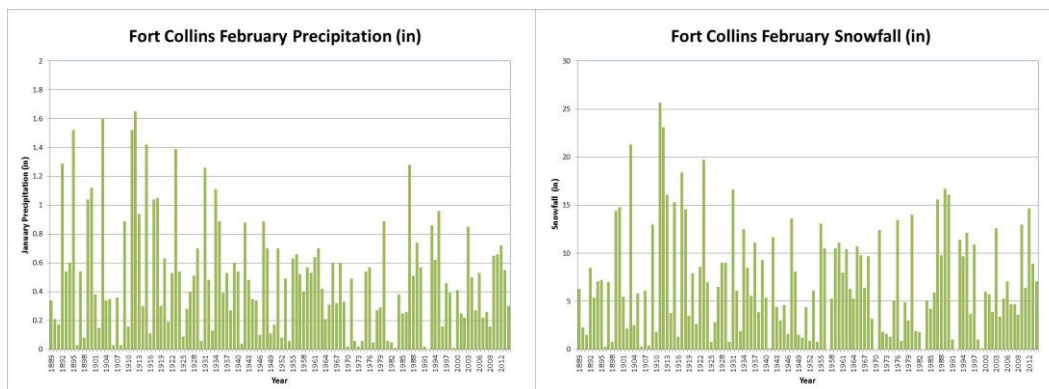


Figure 2: February precipitation (left) and snowfall (right) time series.

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

None.

**Wind:**

In February 2014 there were 14 days with maximum wind gusts  $\geq 20$  mph and 7 days  $\geq 30$  mph.

The maximum daily wind gust for the month was 39 mph and occurred on 18 February 2014 at 10:40 MST from  $290^\circ$ .