

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

Month: January
Year: 2016



Temperature:

Mean T_{\max} was 44.6°F which is 0.4° above the 1981-2010 normal for the month. This is the 42nd warmest in the 128 year record (1889-2016), tied with 1943. The last January this warm or warmer was 2015 with 48.1°F.

Mean T_{\min} was 17.9°F which is 0.3° above the 1981-2010 normal for the month. This is the 31st warmest in the 128 year record (1889-2016), tied with 1989 and 2001. The last January this warm or warmer was 2015 with 21.0°F.

Mean T_{mean} was 31.4°F which is 0.3° above the 1981-2010 normal for the month. This is the 30th warmest in the 128 year record (1889-2016). The last January this warm or warmer was 2015 with 34.6°F.

The maximum daily temperature for the month was 62°F and occurred on January 29th, 2016.

The minimum daily temperature for the month was 1°F and occurred on January 1st, 2016.

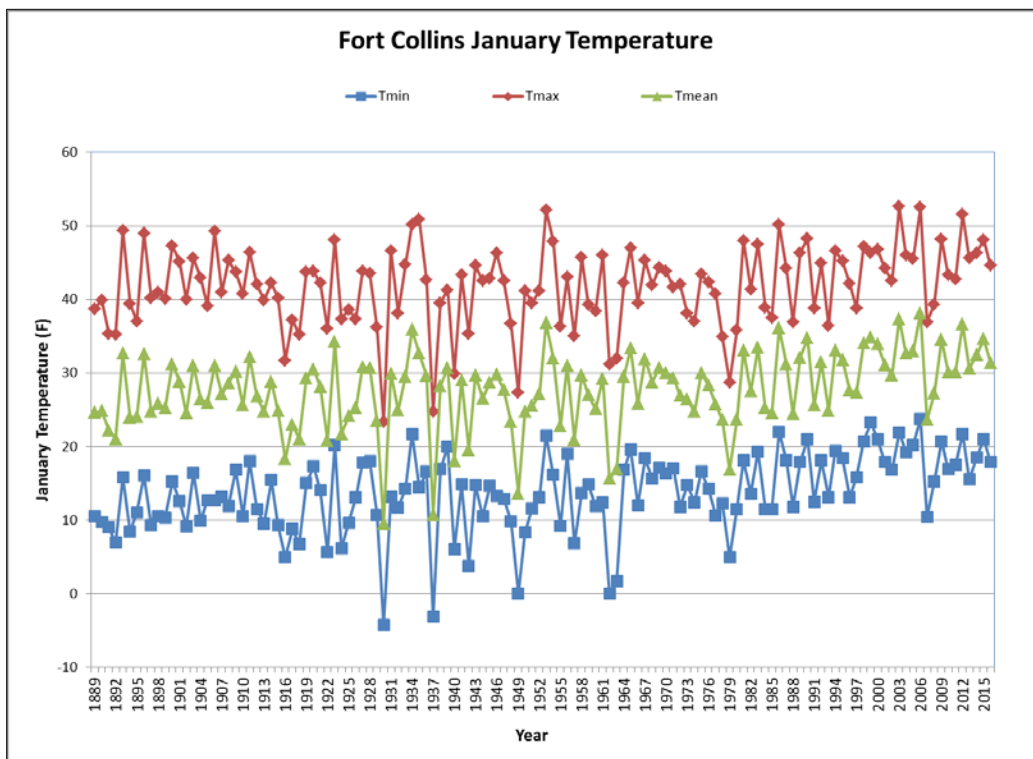


Figure 1: January temperature time series.

Misc. Temperature (record status, thresholds, etc.):

0 Degree and Colder Days

As of the end of January, there have been 2 days at or below 0 degrees in winter 2016. Both days were in December, and both with a low temperature of 0°F. This is only the 10th time in the history of the Fort Collins Weather Station there has not been a negative low temperature for winter through January.

Precipitation and Snowfall:

Total monthly precipitation is 0.58” and was 0.18” above the 1981-2010 normal for the month (145% of normal). This ranks as the 29th wettest in the 128 year record (1889-2016). The last January this wet or wetter was 2014 with 1.43” of precipitation.

Water year precipitation through January totaled 4.89” and is 2.08” above the normal for the water year (174% of normal). This ranks as the 10th wettest start to the water year in the 127 year record (1890-2016). The last water year to start this wet or wetter was 2007 with 6.27”.

Total monthly snowfall was 7.0” and was 0.9” below the 1981-2010 normal for the month (87% of normal). This was the 82nd least snowy January in the 128 year record (1889-2016). The last January with this little snowfall was 2015 with 2” of snowfall.

Seasonal snowfall for the 2016 snow season is 32.1” and is 3.3” above the 1981-2010 normal for the season through January (111% of normal). This ranks as the 27th snowiest in the 127 year record (1890-2016). The last season with this much snowfall by the end of January was the 2012 season with 35.2”.

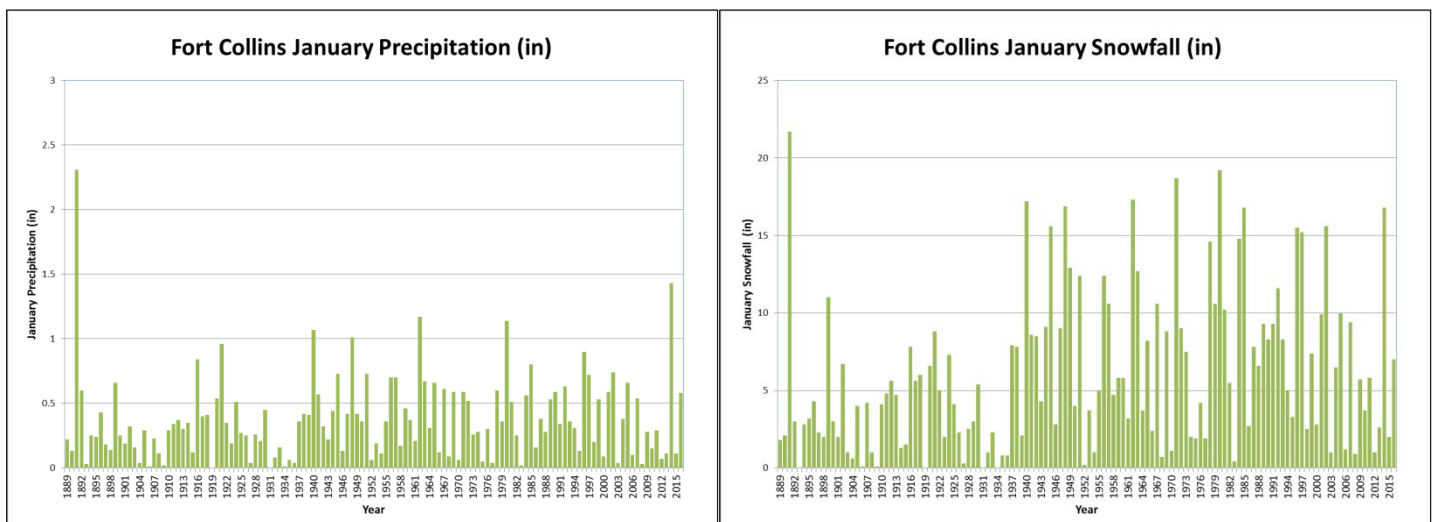


Figure 2: January precipitation (left) and snowfall (right) time series.

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

Days with Snow Depth ≥ 1 inch

January had 28 days with 1" of snow or greater on the ground. This compares to a normal of 13 days in January.

This season has seen 55 days with 1" of snow or greater on the ground at the end of January. This compares to a normal of 31 days.

Wind:

In January 2016 there were 7 days with maximum wind gusts ≥ 20 mph and 2 days ≥ 30 mph.

The maximum daily wind gust for the month was 37 mph and occurred on January 29th, 2016 at 7:50 MST from 260.