

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

Month: January
Year: 2018



Temperature:

Mean T_{\max} was 48.1°F which is 3.9° above the 1981-2010 normal for the month. This is the 13th warmest in the 130 year record (1889-2018), tied with 1923 and 2015. The last January this warm was 2015.

Mean T_{\min} was 19.8°F which is 1.9° above the 1981-2010 normal for the month. This is the 16th warmest in the 130 year record (1889-2018). The last January this warm or warmer was 2015 with 21°F .

Mean T_{mean} was 33.9°F which is 2.8° above the 1981-2010 normal for the month. This is the 13th warmest in the 130 year record (1889-2018), tied with 2000. The last January this warm or warmer was 2015 with 34.6°F .

The maximum daily temperature for the month was 64°F and occurred on January 9 and 30, 2018.

The minimum daily temperature for the month was -2°F and occurred on January 16, 2018.

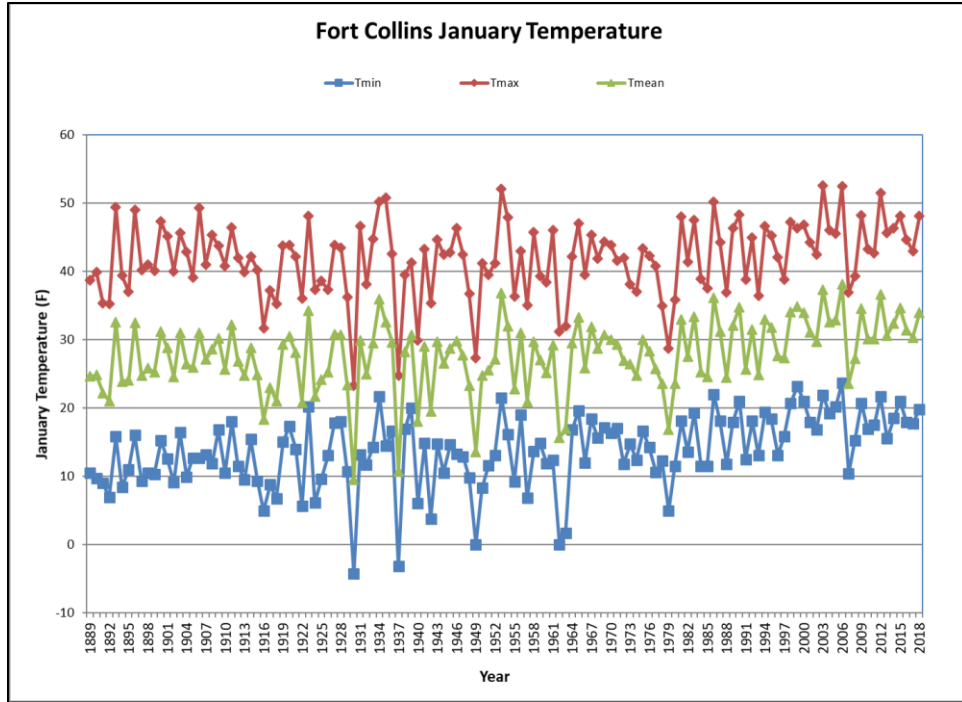


Figure 1: January temperature time series.

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

No temperature records for January 2018

0 Degrees and Colder Days:

As of the end of January, there have been 2 days with minimum temperatures at or below 0°F in Winter 2018.

Precipitation and Snowfall:

Total monthly precipitation was 0.45” which is 0.05” above the 1981-2010 normal for the month (113% of normal). This ranks as the 41st wettest in the 130 year record (1889-2018), tied with 1930. The last January this wet or wetter was 2017 with 0.89”.

Water year precipitation through January totaled 3.02” which is 0.21” above the 1981-2010 normal for the water year (108% of normal). This ranks as the 42nd wettest start to a water year in the 129 year record (1890-2018). The last year to start this wet or wetter was 2016 with 4.89”.

January snowfall totaled 6.0” which is 1.9” below the 1981-2010 normal for the month (76% of normal). This ranks as the 77th least snowy January in the 130 year record (1889-2018), tied with 1918. The last January with this little snow or less was 2015 with 2.0” of snowfall.

Seasonal snowfall for the 2018 snow season through January is 19.4” which is 10.0” below the 1981 – 2010 normal for the season (66% of normal). This ranks as the 73rd least snowy start in the 129 year record (1890-2018). The last season to start with this little snowfall was 2015 with 17.4” by the end of January.

January had 2 days with measurable precipitation (≥ 0.01 ”) and 3 day with measurable snowfall (≥ 0.1 ”).

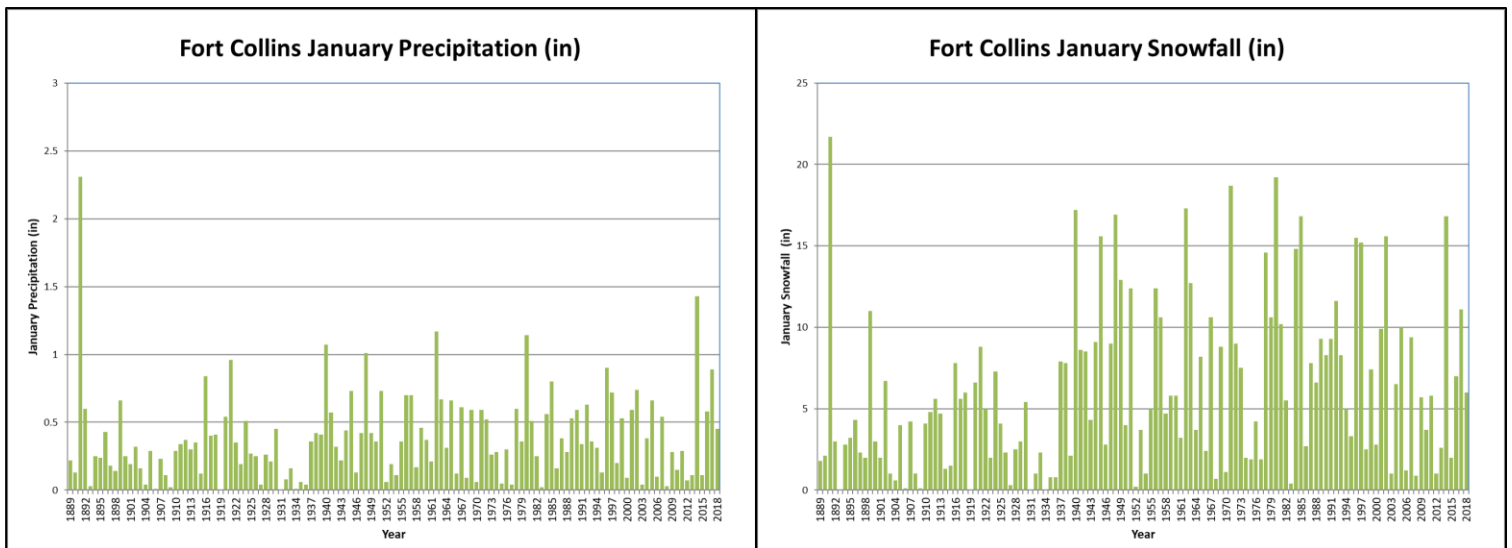


Figure 2: January precipitation (left) and snowfall (right) time series.

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

Highest Daily Precipitation:

January 21, 2018: The daily precipitation total of 0.38" beat the old record for the day of 0.29" set in 1941.

Days with Snow Depth ≥ 1 inch

January had 11 days with 1" of snow or greater on the ground. This compares to a normal of 13 days in January.

This season has seen 19 days with 1" of snow or greater on the ground at the end of January. This compares to a normal of 31 days.

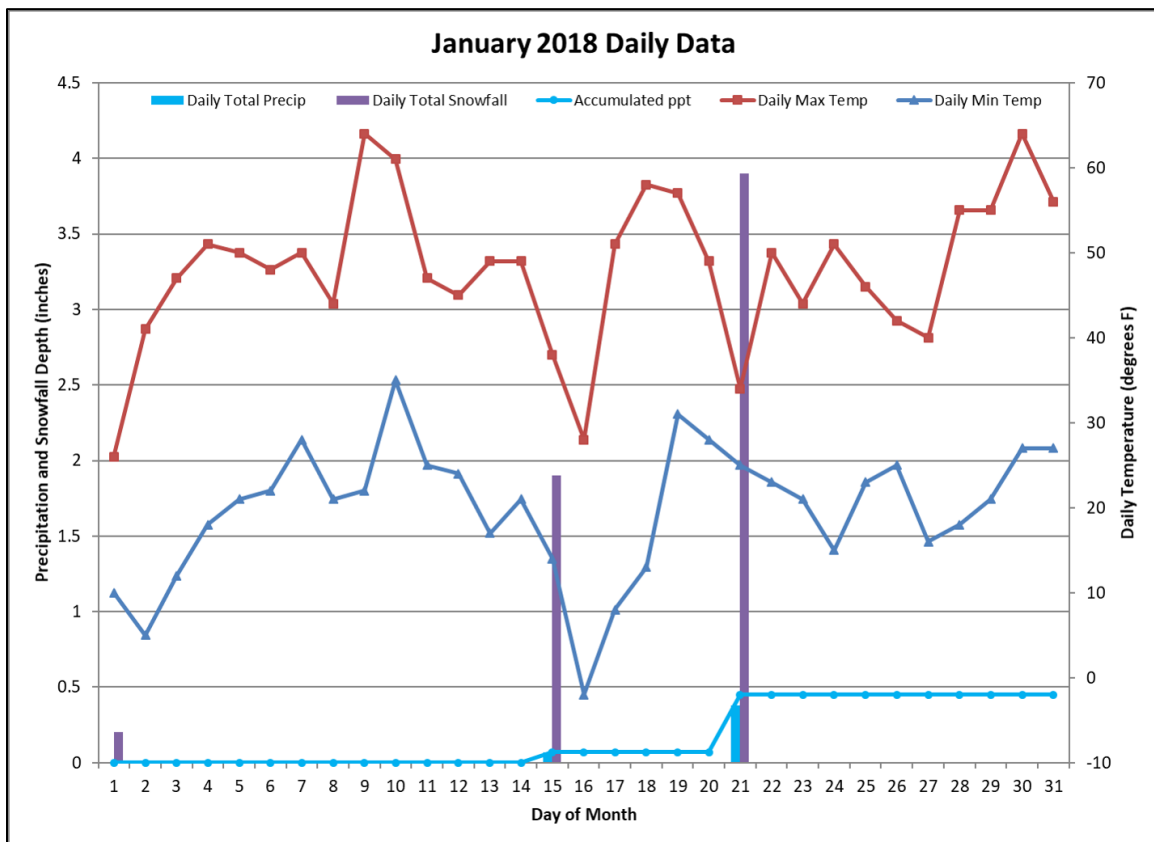


Figure 3: Daily Data for January 2018. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In January 2018 there were 6 days with maximum wind gusts ≥ 20 mph and 1 day ≥ 30 mph.

The maximum daily wind gust for the month was 30 mph and occurred on January 30, 2018 at 3:30 PM MST from 290°.