

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

Month: March
Year: 2017



Temperature:

Mean T_{\max} was 63.4°F which is 8.7° above the 1981-2010 normal for the month. This is the 3rd warmest in the 129 year record (1889-2017). The warmest March on record was 2012 with 67.2°F and 2nd warmest on record was 1910 with 66.9°F .

Mean T_{\min} was 33.5°F which is 5.3° above the 1981-2010 normal for the month. This is the warmest in the 129 year record (1889-2017). The second warmest March was 2012 with 32.7°F .

Mean T_{mean} was 48.5°F which is 7.1° above the 1981-2010 normal for the month. This is the 2nd warmest in the 129 year record (1889-2017). The warmest March on record was 2012 with 50.0°F .

The maximum daily temperature for the month was 79°F and occurred on March 18th, 2017.

The minimum daily temperature for the month was 20°F and occurred on March 2nd, 2017.

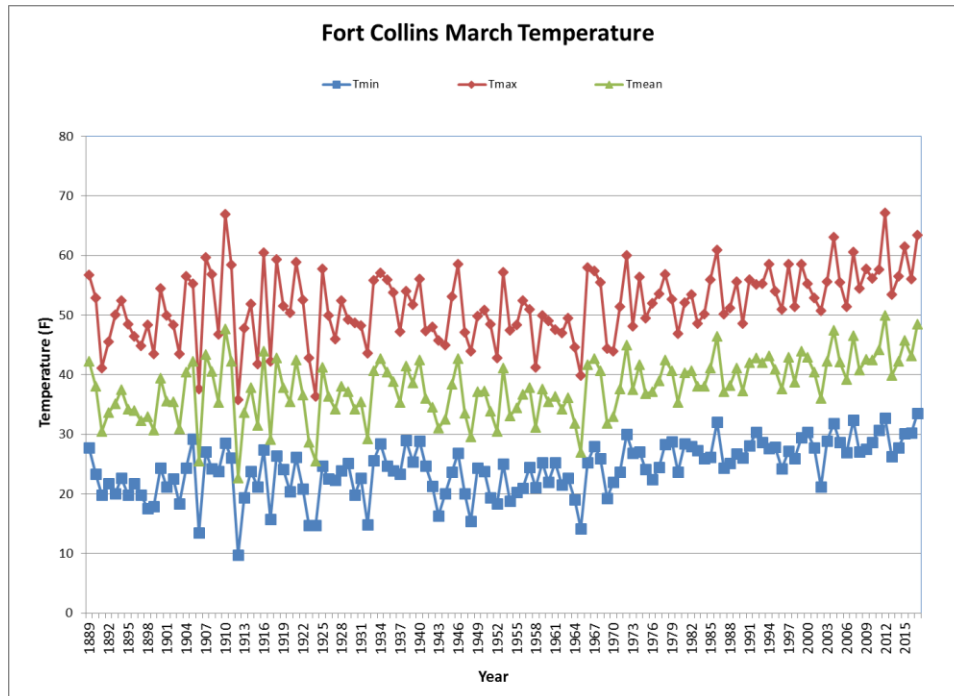


Figure 1: March temperature time series.

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

Highest Maximum Temperature:

March 23, 2017: The maximum daily temperature of 76°F tied the record high temperature for the day set in 2012.

0 Degree and Colder Days

Winter 2017 had 7 days at or below 0 degrees.

Precipitation and Snowfall:

Total monthly precipitation is 0.99” and was 0.60” below the 1981-2010 normal for the month (62% of normal). This ranks as the 68th driest in the 129 year record (1889-2017), tied with 1917. The last March this dry or drier was 2015 with 0.12” of precipitation.

Water year precipitation through March totaled 3.66” and is 0.81” below the normal for the water year (83% of normal). This ranks as the 57th driest start to the water year in the 128 year record (1890-2017), tied with 1896. This is the driest start to a water year since 2013 with 2.84” through March.

Total monthly snowfall was only a Trace (<0.1” of accumulation) and was 12.6” below the 1981-2010 normal for the month (0% of normal). This 2nd lowest March snowfall total in the 129 year record (1889-2017), tied with 2011 and 2012. Only 1910, 1911 and 1966 had 0” of snowfall in March.

Seasonal snowfall for the 2017 snow season is 26.3” and is 22.6” below the 1981-2010 normal for the season through March (54% of normal). This ranks as the 22nd least snowy in the 127 year record (1890-2017). The last season to start with this little snowfall was 2011 with 21.6” through March.

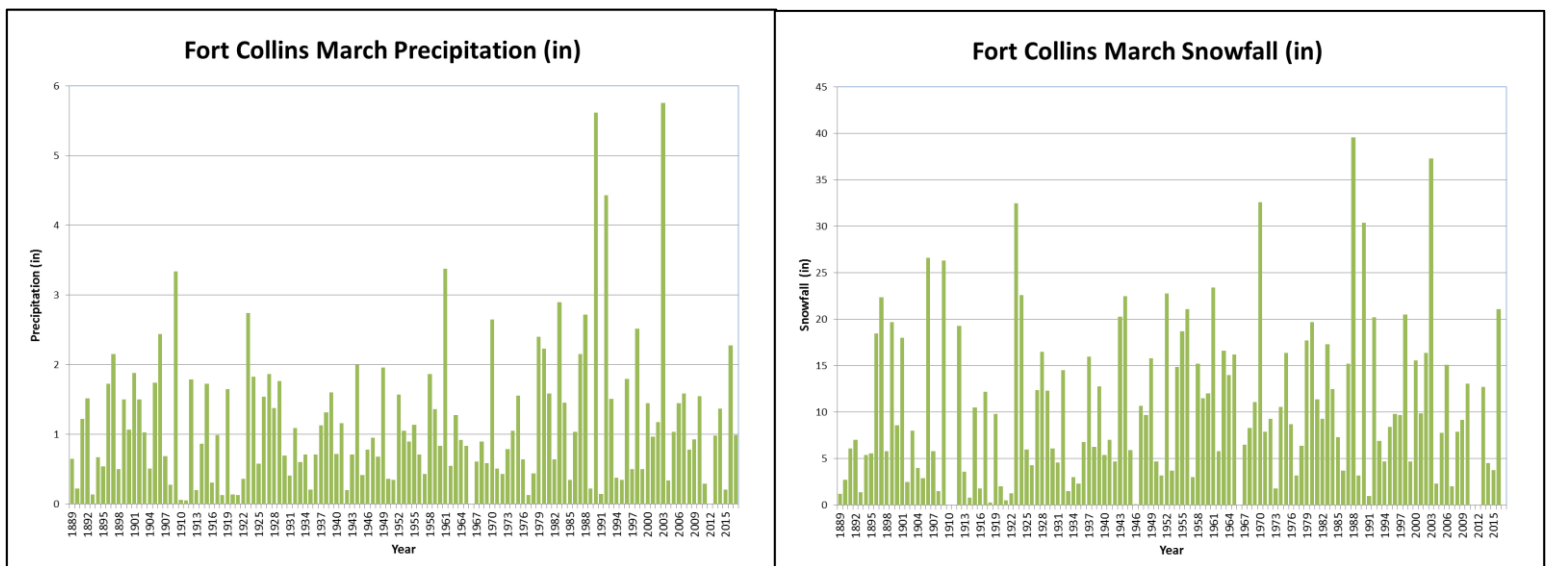


Figure 2: March precipitation (left) and snowfall (right) time series.

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

No precipitation records in March

Days with Snow Depth ≥ 1 inch

March had 0 days with 1" of snow or greater on the ground. This compares to a normal of 5 days in March.

This season has seen 28 days with 1" of snow or greater on the ground at the end of March. This compares to a normal of 44 days.

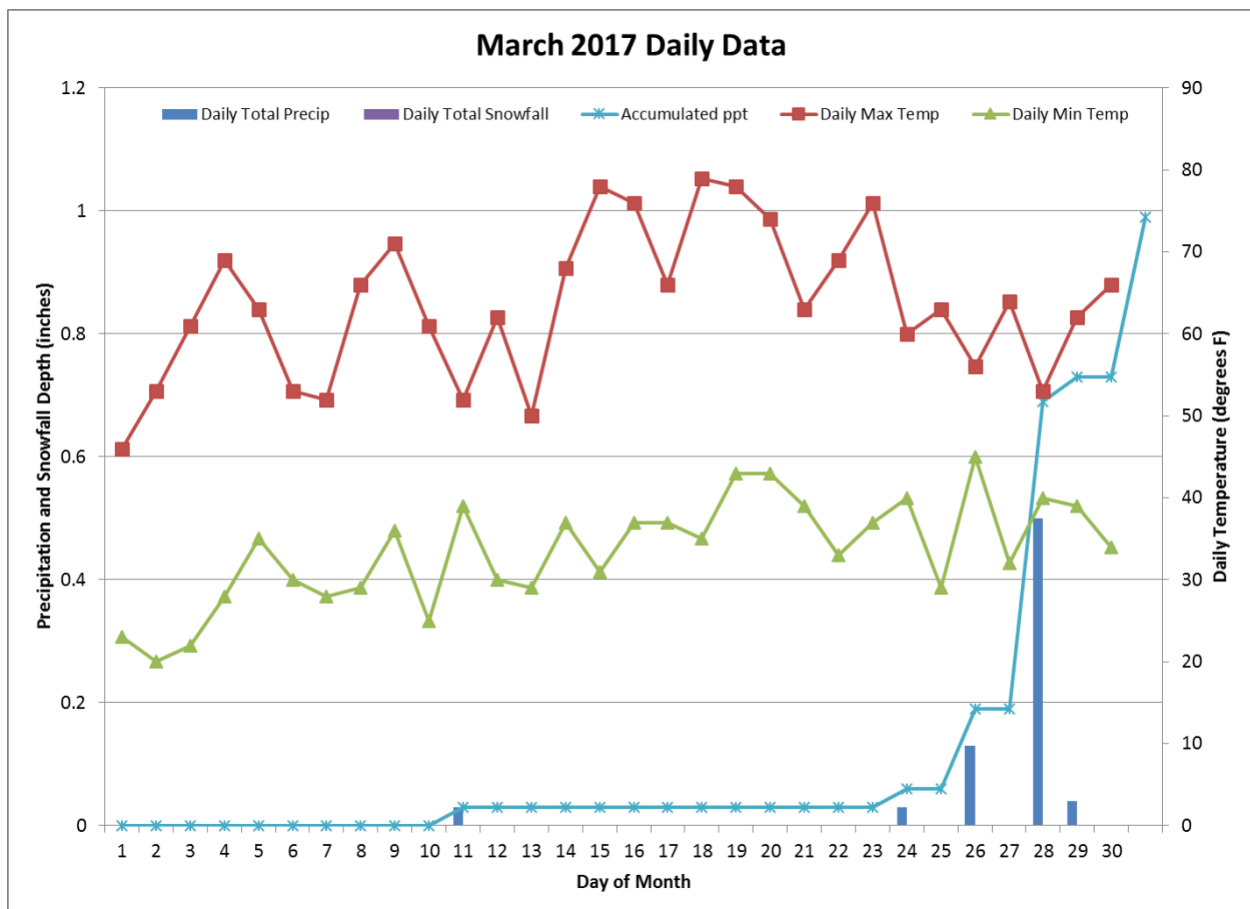


Figure 3: Daily Data for March 2017

Wind:

In March 2017 there were 15 days with maximum wind gusts ≥ 20 mph and 6 days ≥ 30 mph.

The maximum daily wind gust for the month was 43 mph and occurred on March 6, 2017 at 11:10 AM MST from 280°.