

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

**Month: March**  
**Year: 2018**



## **Temperature:**

Mean  $T_{\max}$  was 58.3°F which is 3.6° above the 1981-2010 normal for the month. This is the 18<sup>th</sup> warmest in the 130 year record (1889-2018). The last March this warm was 2017 with 63.4°F.

Mean  $T_{\min}$  was 29.4°F which is 1.2° above the 1981-2010 normal for the month. This is the 12<sup>th</sup> warmest in the 130 year record (1889-2018), tied with 1999. The last March this warm or warmer was 2017 with 33.5°F.

Mean  $T_{\text{mean}}$  was 41.4°F which is 2.5° above the 1981-2010 normal for the month. This is the 38<sup>th</sup> warmest in the 130 year record (1889-2018). The last March this warm or warmer was 2017 with 48.5°F (the second warmest March on record).

The maximum daily temperature for the month was 70°F and occurred on March 22, 2018.

The minimum daily temperature for the month was 16°F and occurred on March 7, 2018.

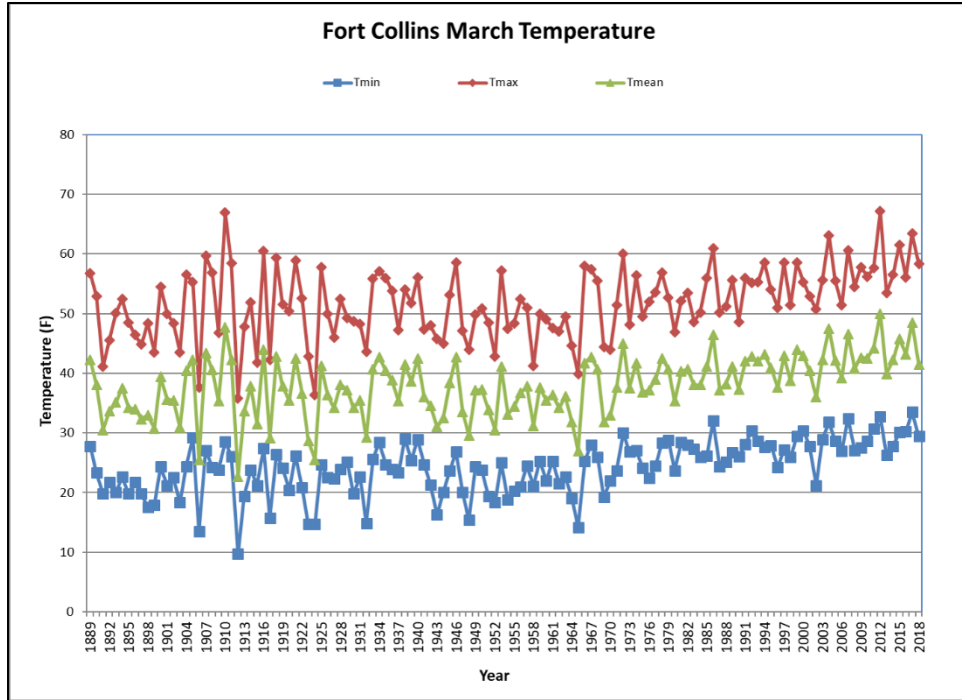


Figure 1: March temperature time series.

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

***Warmest Minimum Temperature:***

*March 23<sup>rd</sup>, 2018: The minimum temperature of 55°F beat the previous warmest minimum temperature for the day of 48 set in 2004.*

*This is also a new warmest minimum temperature for the month of March, beating 54°F set on March 19, 1921.*

## **Precipitation and Snowfall:**

Total monthly precipitation was 0.71” which is 0.88” below the 1981-2010 normal for the month (45% of normal). This ranks as the 50<sup>th</sup> driest in the 130 year record (1889-2018), tied with 1934, 1936, 1943, and 1956. The last March this dry or drier was 2015 with 0.21”.

Water year precipitation through March totaled 4.40” which is 0.40” below the 1981-2010 normal for the water year (92% of normal). This ranks as the 75<sup>th</sup> driest start to a water year in the 129 year record (1890-2018). The last year to start this dry or drier was 2017 with 3.66” through March.

March snowfall totaled 0.1” which is 12.5” below the 1981-2010 normal for the month (0.8% of normal). This ranks as the 7<sup>th</sup> least snowy March in the 130 year record (1889-2018), tied with 1918. The last March with this little snow or less was 2017 with a trace of snowfall (less than 0.1”). There have been 6 years in the record with no measurable snow in March (less than 0.1”).

Seasonal snowfall for the 2018 snow season through March is 32.9” which is 16.0” below the 1981 – 2010 normal for the season (67% of normal). This ranks as the 50<sup>th</sup> least snowy start in the 129 year record (1890-2018). The last season to start with this little snowfall was 2017 with 26.3” by the end of March.

March had 6 days with measurable precipitation ( $\geq 0.01$ ”) and 1 day with measurable snowfall ( $\geq 0.1$ ”).

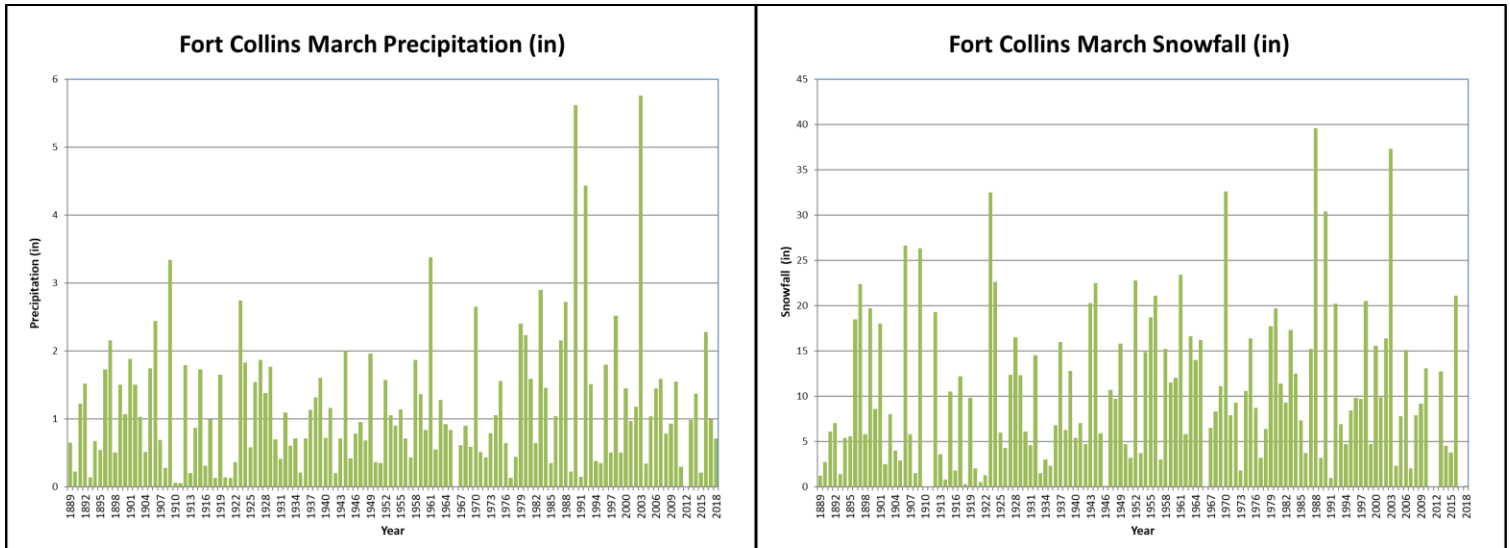


Figure 2: March precipitation (left) and snowfall (right) time series.

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

*No precipitation records for March 2018.*

***Days with Snow Depth  $\geq 1$  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 32 days with 1” of snow or greater on the ground at the end of March. This compares to a normal of 44 days.

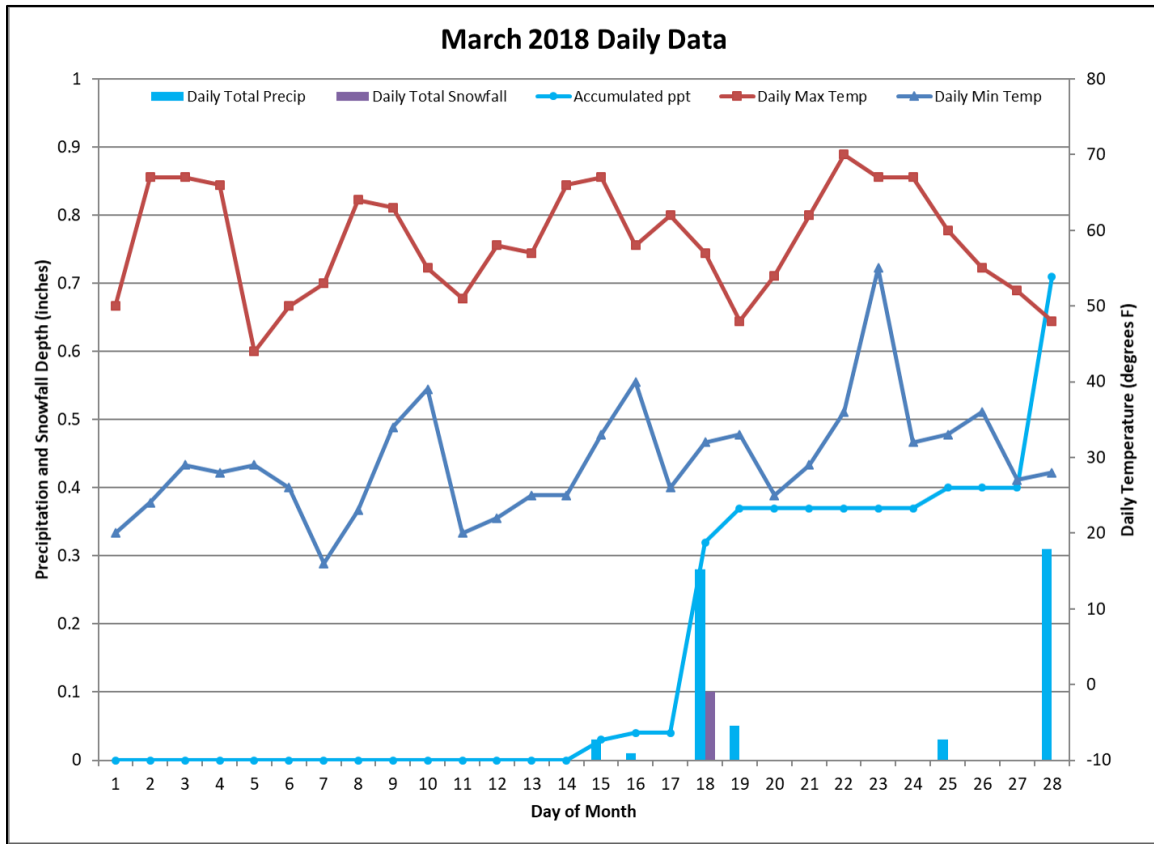


Figure 3: Daily Data for March 2018. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

### Wind:

In March 2018 there were 19 days with maximum wind gusts  $\geq 20$  mph, 6 days  $\geq 30$  mph and 1 day  $\geq 40$  mph.

The maximum daily wind gust for the month was 48 mph and occurred on March 23, 2018 at 2:00 MST from 180°.