

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

Month: April
Year: 2018



Temperature:

Mean T_{\max} was 64.0°F which is 1.8° above the 1981-2010 normal for the month. This is the 25th warmest in the 130 year record (1889-2018). The last April this warm was 2014 with 64.1°F.

Mean T_{\min} was 33.9°F which is 1.6° below the 1981-2010 normal for the month (0.8° above the long term average). This is the 77th coolest in the 130 year record (1889-2018), tied with 1948. The last April this cool or cooler was 2013 with 30.4°F.

Mean T_{mean} was 49.0°F which is 0.1° above the 1981-2010 normal for the month. This is the 34th warmest in the 130 year record (1889-2018), tied with 1967, 1986, 2010 and 2011. The last April this warm or warmer was 2017 with 50.3°F.

The maximum daily temperature for the month was 80°F and occurred on April 11 and 29, 2018.

The minimum daily temperature for the month was 20°F and occurred on April 7, 2018.

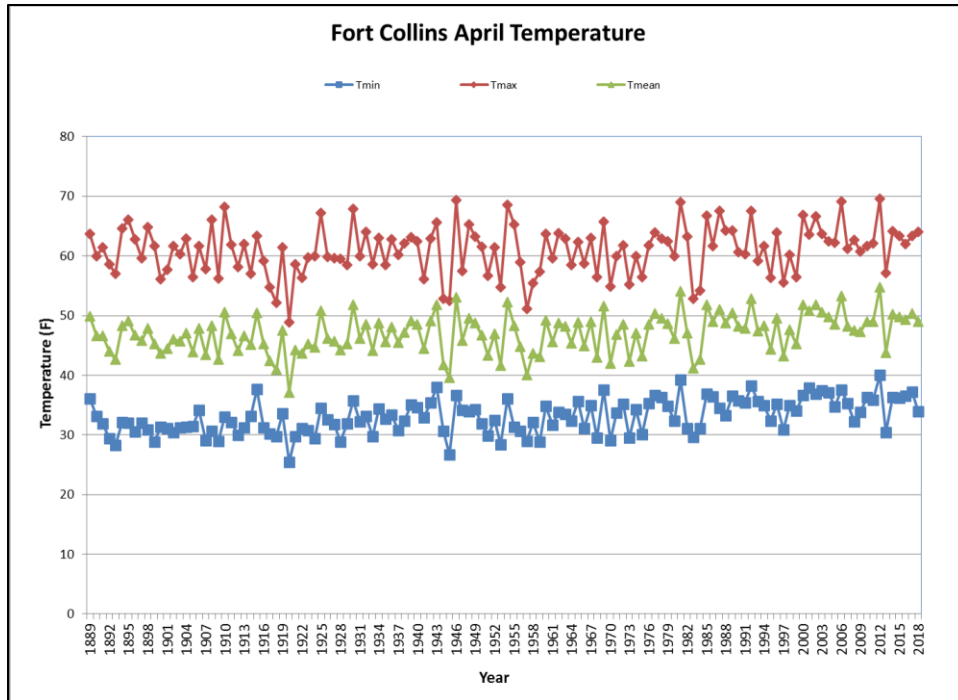


Figure 1: April temperature time series.

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

Maximum Daily Temperature:

April 11, 2018: The maximum daily temperature of 80°F tied the warmest temperature for the day set in 1982 and 1998.

Precipitation and Snowfall:

Total monthly precipitation was 0.75” which is 1.31” below the 1981-2010 normal for the month (36% of normal). This ranks as the 18th driest in the 130 year record (1889-2018). The last April this dry or drier was 2012 with 0.40”.

Water year precipitation through April totaled 5.15” which is 1.71” below the 1981-2010 normal for the water year (75% of normal). This ranks as the 46th driest start to a water year in the 129 year record (1890-2018). The last year to start this dry or drier was 2012 with 4.62” through April.

April snowfall totaled 2.4” which is 3.8” below the 1981-2010 normal for the month (39% of normal). This ranks as the 48th least snowy April in the 130 year record (1889-2018). The last April with this little snow or less was 2017 with a 2.2” of snowfall.

Seasonal snowfall for the 2018 snow season through April is 35.3” which is 19.8” below the 1981 – 2010 normal for the season (64% of normal). This ranks as the 39th least snowy start in the 129 year record (1890-2018). The last season to start with this little snowfall was 2017 with 28.5” at the end of April.

April had 8 days with measurable precipitation (≥ 0.01 ”) and 4 days with measurable snowfall (≥ 0.1 ”).

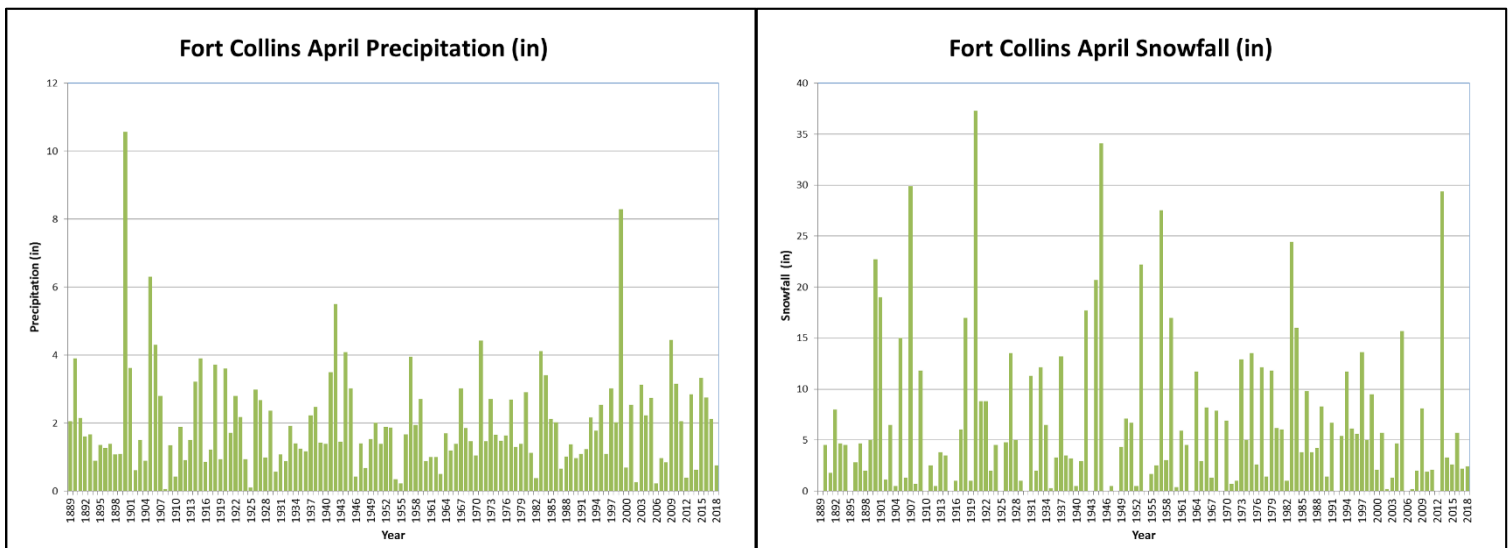


Figure 2: April precipitation (left) and snowfall (right) time series.

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

No precipitation records for April 2018.

Days with Snow Depth ≥ 1 inch

April had 1 day with 1" of snow or greater on the ground. This compares to a normal of 2 days in April.

This season has seen 33 days with 1" of snow or greater on the ground at the end of April. This compares to a normal of 46 days.

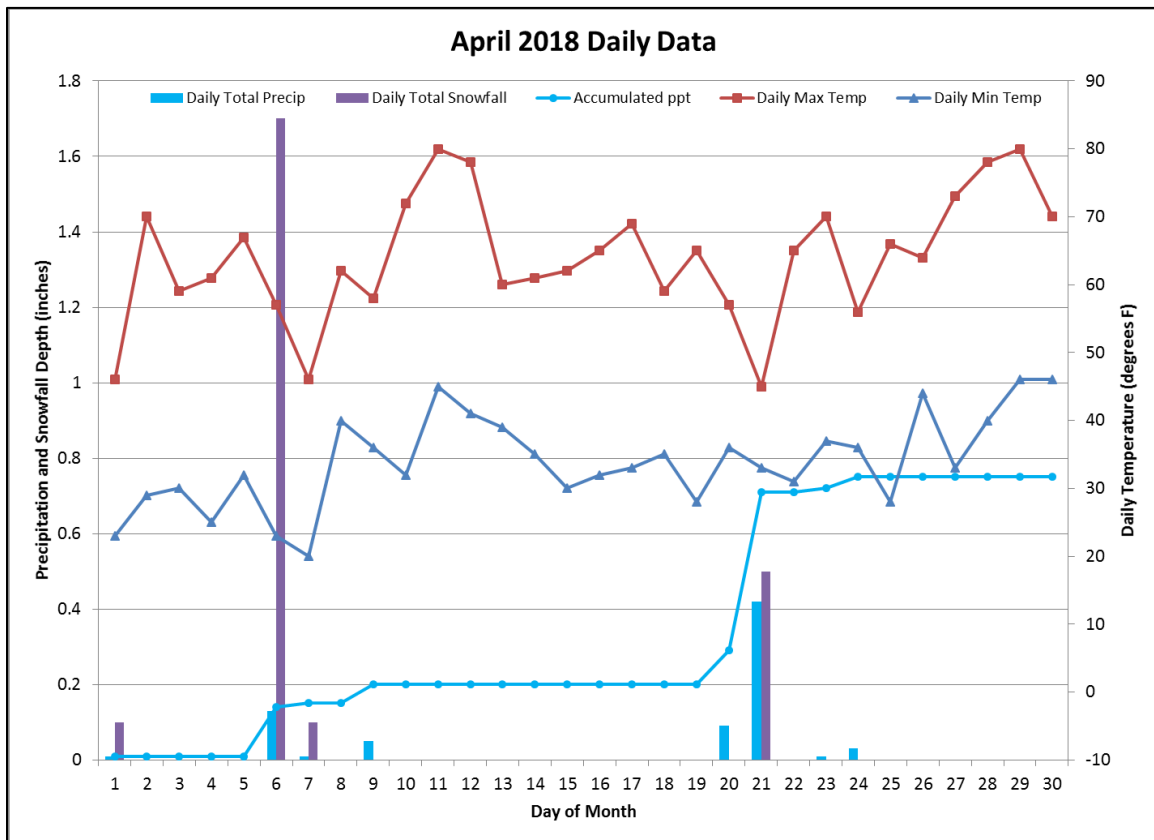


Figure 3: Daily Data for April 2018. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In April 2018 there were 15 days with maximum wind gusts ≥ 20 mph, 6 days ≥ 30 mph and 1 day ≥ 40 mph.

The maximum daily wind gust for the month was 46 mph and occurred on April 17, 2018 at 1:50 PM MST from 285° .

Evaporation:

Pan evaporation for April 2018 was 4.91" which was 0.19" above the normal for April (104% of normal).