

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

Month: April
Year: 2017



Lilac bush at the weather station midway through April 2017 almost in full bloom, about 2 weeks early. Showing the early warmth.

Temperature:

Mean T_{\max} was 63.3°F which is 1.1° above the 1981-2010 normal for the month. This is the 34th warmest in the 129 year record (1889-2017), tied with 2015. 2015 was also the last time April was this warm.

Mean T_{\min} was 37.2°F which is 1.7° above the 1981-2010 normal for the month. This is the 10th warmest in the 129 year record (1889-2017). The last April this warm or warmer was 2012 with 40.0°F , the warmest April on record.

Mean T_{mean} was 50.3°F which is 1.4° above the 1981-2010 normal for the month. This is the 20th warmest in the 129 year record (1889-2017), tied with 1977. The last April this warm or warmer was 2012 with 54.8°F , the warmest April on record.

The maximum daily temperature for the month was 80°F and occurred on April 13th, 2017.

The minimum daily temperature for the month was 25°F and occurred on April 5th, 2017.

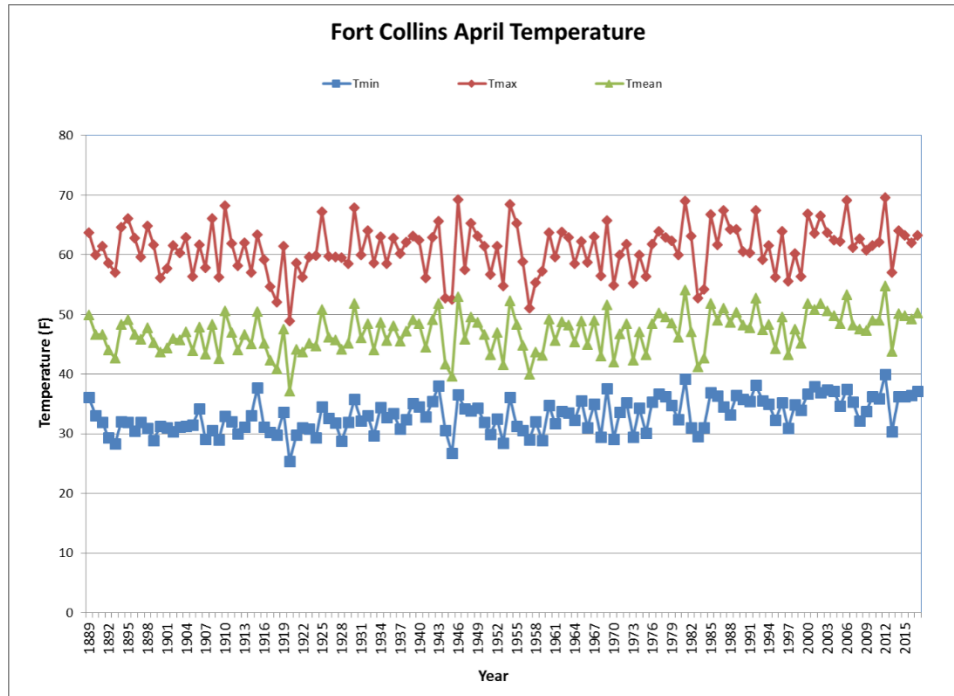


Figure 1: April temperature time series.

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

Highest Minimum Temperature:

April 8, 2017: The minimum temperature for the day of 55°F broke the previous record of 47° set in 1972 and tied in 1999.

April 24, 2017: The minimum temperature for the day of 48°F tied the record set in 1979.

Precipitation and Snowfall:

Total monthly precipitation is 2.12” and was 0.06” above the 1981-2010 normal for the month (103% of normal). This ranks as the 45th wettest in the 129 year record (1889-2017). The last April this wet or wetter was 2016 with 2.75” of precipitation.

Water year precipitation through April totaled 5.78” and is 1.08” below the normal for the water year (84% of normal). This ranks as the 58th driest start to the water year in the 128 year record (1890-2017). This is the driest start to a water year since 2013 with 5.68” through April.

Total monthly snowfall was 2.2” and was 4.0” below the 1981-2010 normal for the month (36% of normal). This ranks as the 45th least snowy April in the 129 year record (1889-2017). The last April with this little or less snowfall was 2011 with 2.1” of snowfall.

Seasonal snowfall for the 2017 snow season is 28.5” and is 26.6” below the 1981-2010 normal for the season through April (52% of normal). This ranks as the 21st least snowy in the 128 year record (1890-2017). The last season to start with this little snowfall was 2011 with 23.7” through April.

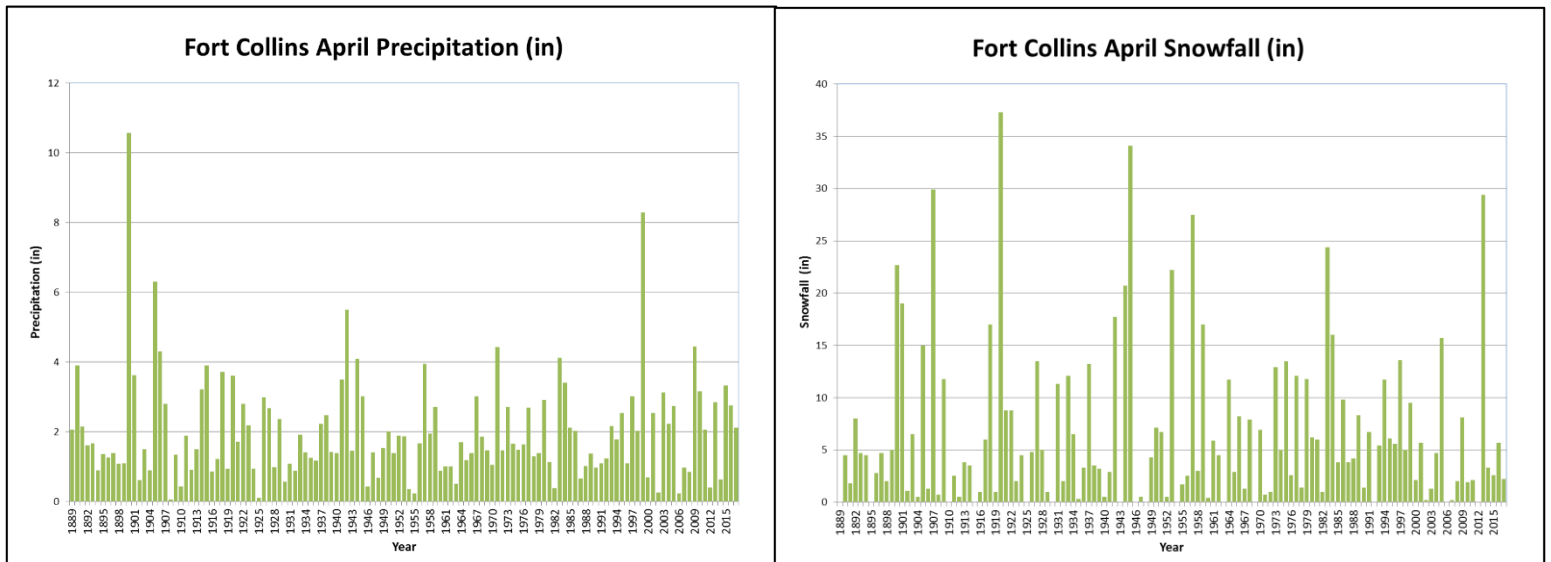


Figure 2: April precipitation (left) and snowfall (right) time series.

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

No precipitation records in April

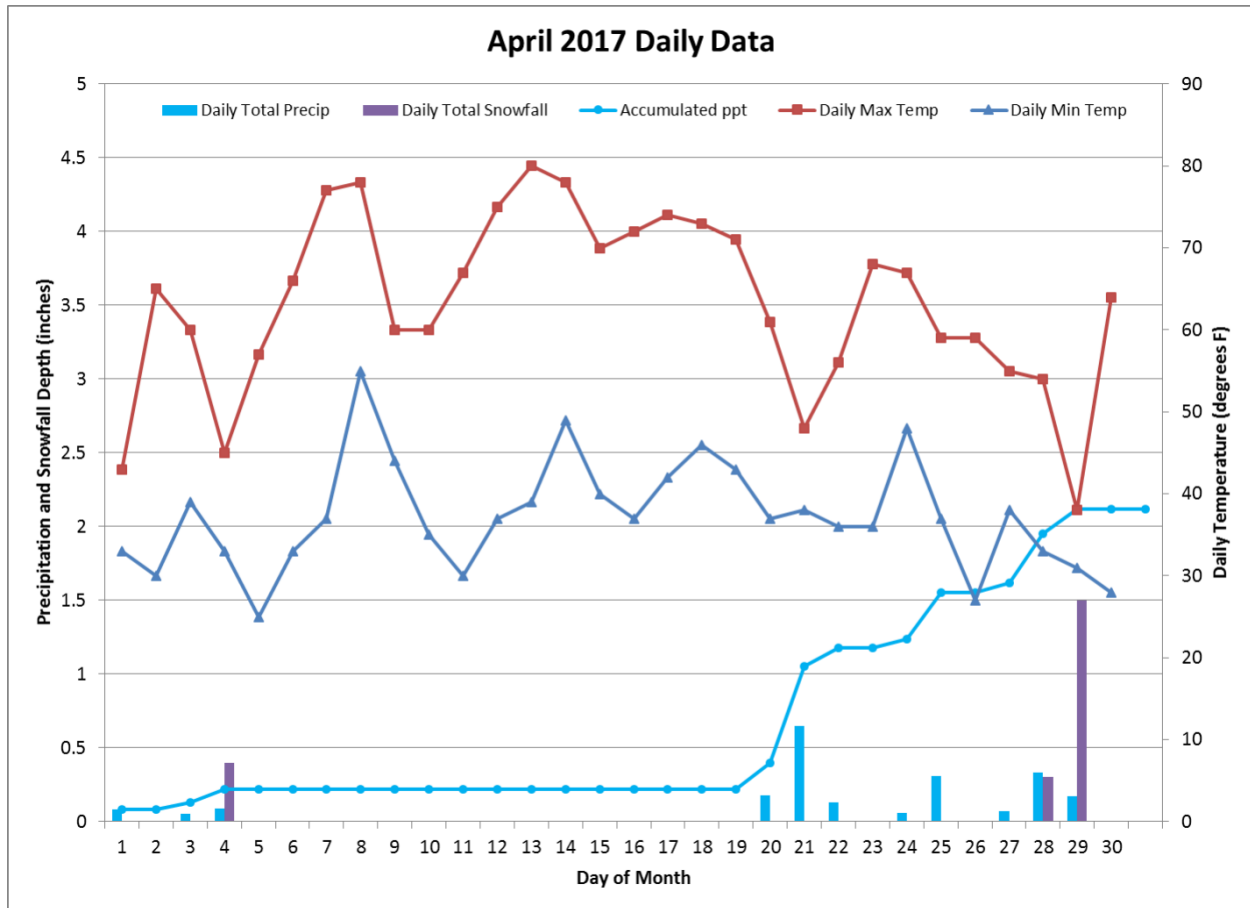


Figure 3: Daily Data for April 2017. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In April 2017 there were 15 days with maximum wind gusts ≥ 20 mph and 2 days ≥ 30 mph.

The maximum daily wind gust for the month was 34 mph and occurred on April 8, 2017 at 12:30 PM MST from 210° and April 9, 2017 at 12:20 PM MST from 290.