

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

Month: April
Year: 2016



Temperature:

Mean T_{\max} was 62.0°F which is 0.2° below the 1981-2010 normal for the month (+1.1° above the long-term average). This is the 55th warmest in the 128 year record (1889-2016), tied with 1913. The last April this warm or warmer was 2015 with 63.3°F.

Mean T_{\min} was 36.5°F which is 1.0° above the 1981-2010 normal for the month. This is the 17th warmest in the 128 year record (1889-2016), tied with 1989. The last April this warm or warmer was 2012 with 40.0°F.

Mean T_{mean} was 49.3°F which is 0.4° above the 1981-2010 normal for the month. This is the 28th warmest in the 128 year record (1889-2016). The last April this warm or warmer was 2015 with 49.8°F.

The maximum daily temperature for the month was 77°F and occurred on April 23rd, 2016.

The minimum daily temperature for the month was 26°F and occurred on April 1st, 2016.

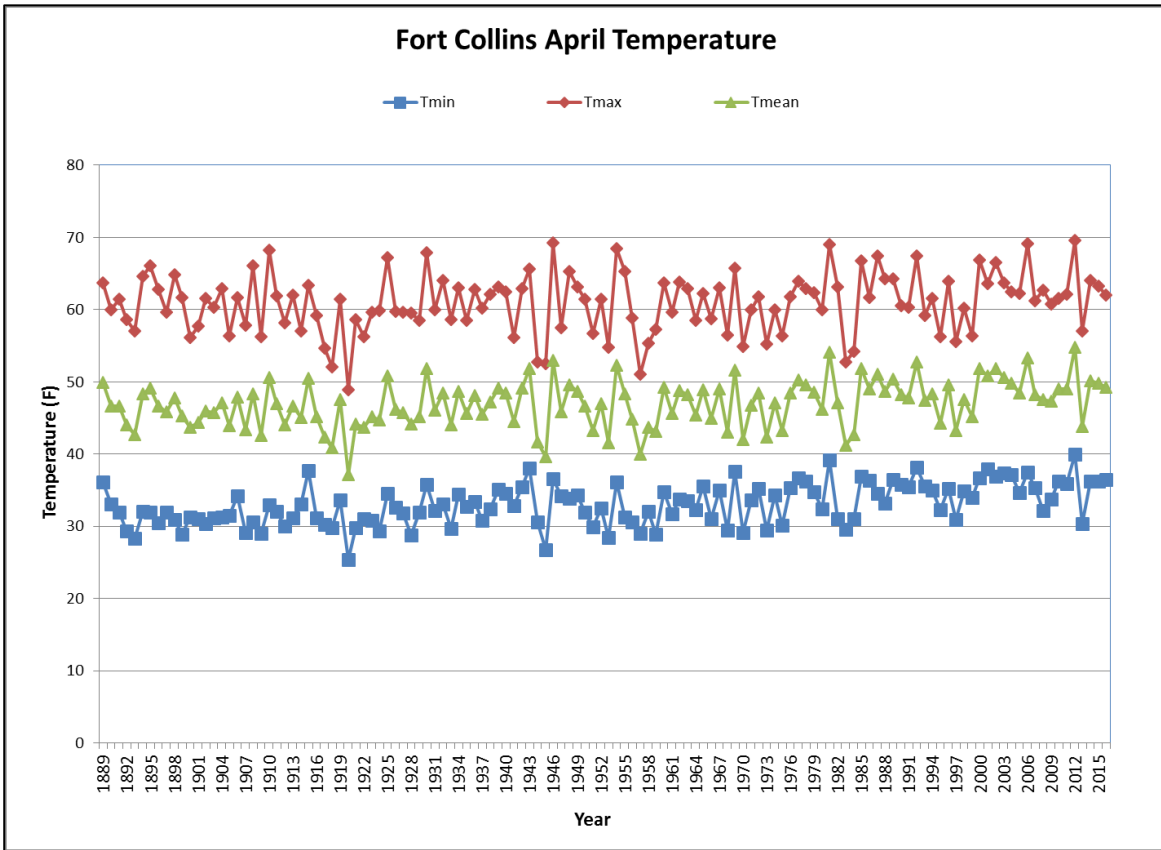


Figure 1: April temperature time series.

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

No Temperature Records for April

Precipitation and Snowfall:

Total monthly precipitation is 2.75” and was 0.69” above the 1981-2010 normal for the month (134% of normal). This ranks as the 30th wettest in the 128 year record (1889-2016). The last April this wet or wetter was 2015 with 3.32” of precipitation.

Water year precipitation through April totaled 10.93” and is 4.07” above the normal for the water year (159% of normal). This ranks as the 5th wettest start to the water year in the 127 year record (1890-2016). The last water year to start this wet or wetter was 2003 with 11.67”.

Total monthly snowfall was 5.7” and was 0.5” below the 1981-2010 normal for the month (92% of normal). This was the 85th least snowy April in the 128 year record (1889-2016), tied with 1980. The last April with this little snowfall or less was 2015 with 2.6” of snowfall.

Seasonal snowfall for the 2016 snow season is 72.7” and is 17.6” above the 1981-2010 normal for the season through April (132% of normal). This ranks as the 11th snowiest in the 127 year record (1890-2016). The last season with this much snowfall or more by the end of April was the 2010 season with 84.6”.

April had 9 days with measureable precipitation (≥ 0.01 ”) and 3 days with measureable snowfall (≥ 0.1 ”).

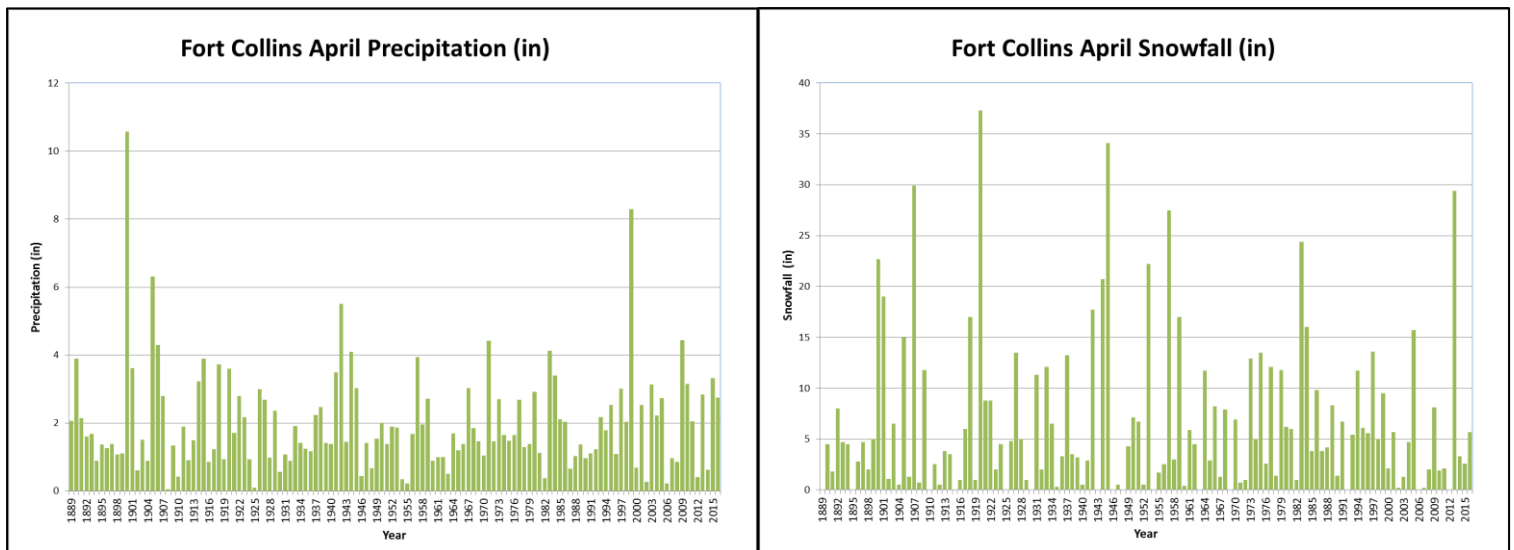


Figure 2: April precipitation (left) and snowfall (right) time series.

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

No precipitation records for April

Days with Snow Depth ≥ 1 inch

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

This season has seen 72 days with at least 1" of snow on the ground at the end of April. This compares to a normal of 46 days.

Wind:

In April 2016 there were 12 days with maximum wind gusts ≥ 20 mph and 1 day ≥ 30 mph.

The maximum daily wind gust for the month was 39 mph and occurred on April 5th, 2016 at 2:20 PM MST from 290.

Evapotranspiration

Pan evaporation for April was 3.85" which was 0.87" below the normal for April (82% of normal).