

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

Month: April
Year: 2019



April 10, 2019. Photo by Katherine Oldberg

Temperature:

Mean T_{\max} was 63.8°F which is 1.6° above the 1981-2010 normal for the month. This is the 29th warmest in the 131-year record (1889-2019), tied with 1962. The last April this warm or warmer was 2018 with 64.0°F .

Mean T_{\min} was 36.6°F which is 1.1° above the 1981-2010 normal for the month. This is the 16th warmest in the 131-year record (1889-2019), tied with 1946. The last April this warm or warmer was 2017 with 37.2°F .

Mean T_{mean} was 50.2°F which is 1.3° above the 1981-2010 the normal for the month. This is the 22nd warmest in the 131-year record (1889-2019), tied with 2014. The last April this warm or warmer was 2017 with 50.3°F .

The maximum daily temperature for the month was 78°F and occurred on April 20, 2019.

The minimum daily temperature for the month was 21°F and occurred on April 11, 2019.

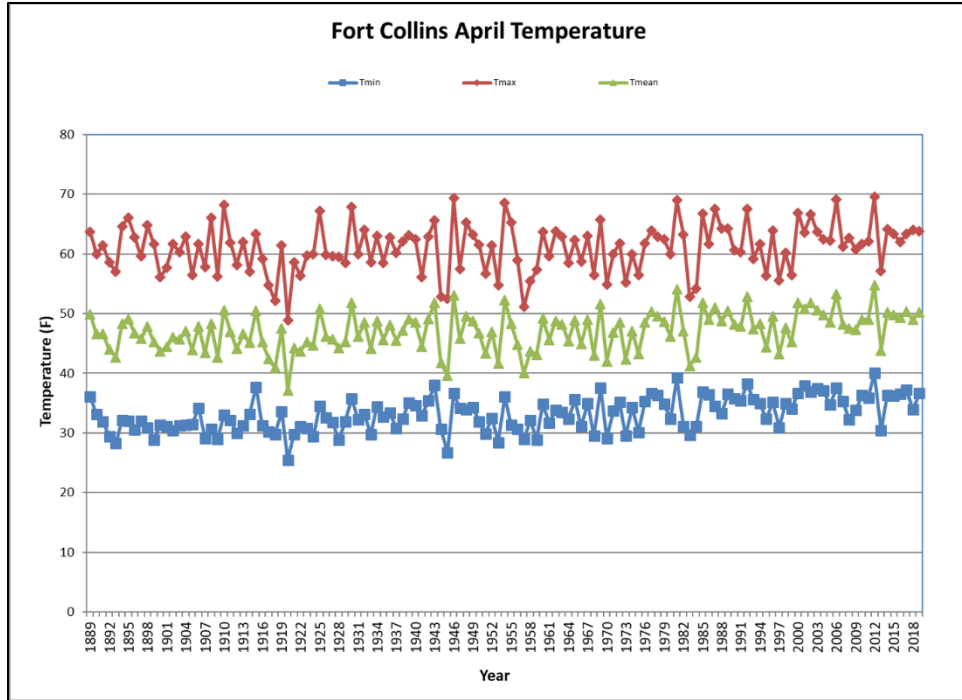


Figure 1: April temperature time series.

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

Warmest Minimum Daily Temperature:

April 21, 2019: The minimum temperature of 49°F degrees broke the previous record warm minimum temperature for the day of 48°F set in 1997.

Precipitation and Snowfall:

Total monthly precipitation was 1.78” which is 0.28” below the 1981-2010 normal for the month (86% of normal). This ranks as the 73rd driest in the 131-year record (1889-2019), tied with 1994. The last April this dry or drier was 2018 with 0.75” of precipitation.

Water year precipitation through April totaled 6.18” which is 0.68” below the 1981-2010 normal for the water year (90% of normal). This ranks as the 68^h driest start to a water year in the 130-year record (1890-2019). The last water year to start this dry or drier was 2018 with 5.15” or precipitation.

April snowfall totaled 12.8” which is 6.6” above the 1981-2010 normal for the month (207% of normal). This ranks as the 22nd snowiest in the 131-year record (1889-2019). The last April with this much snow or more was 2013 with 29.4” of snowfall.

Seasonal snowfall for the 2019 season through April totaled 45.6” which is 9.5” below the 1981-2010 normal for the season (83% of normal). This ranks as the 66th least snowy start to the snow season in the 130-year record (1890-2019). The last season to start with this little snowfall was 2018 with 35.3” of snowfall.

April had 11 days with measurable precipitation (≥ 0.01 ”) and 5 days with measurable snowfall (≥ 0.1 ”).

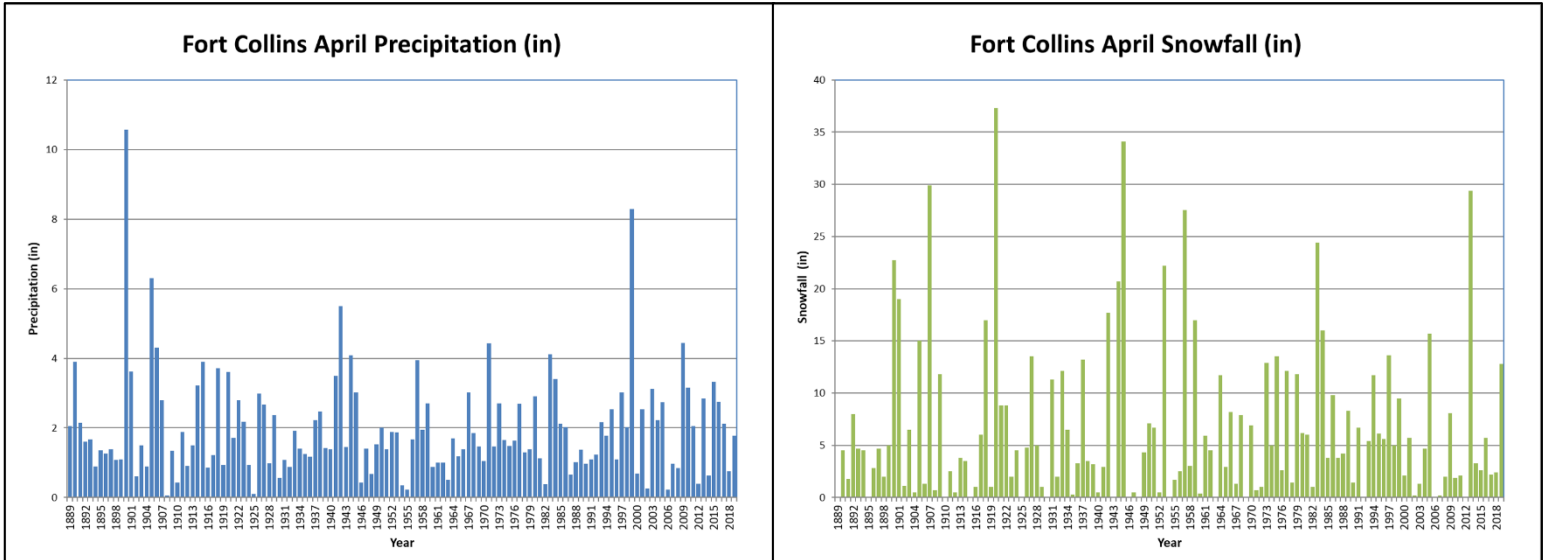


Figure 2: April precipitation (left) and snowfall (right) time series.

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

Daily Snowfall Record:

April 30, 2019: The daily snowfall total of 4.5” tied the record for the day set in 1900.

Days with Snow Depth ≥ 1 inch

April had 3 days with 1” of snow or greater on the ground at our 7:00 PM MST observation time. This compares to a normal of 2 days in April. This season has seen 20 days with 1” of snow or greater on the ground through April. This compares to a normal of 46 days.

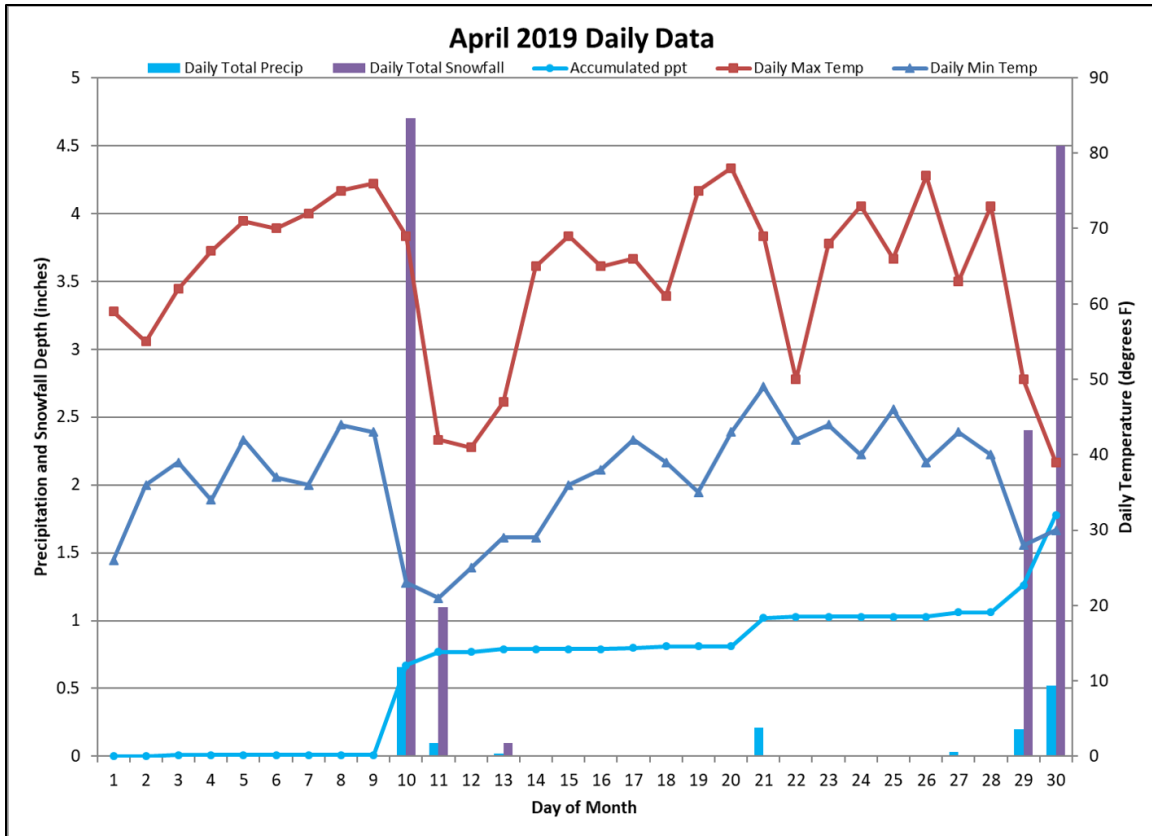


Figure 3: Daily Data for April 2019. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In April 2019 there were 13 days with maximum wind gusts ≥ 20 mph and 4 days ≥ 30 mph.

The maximum wind gust for the month was 37 mph and occurred on April 28, 2019 at 12:10 PM MST from 250° (WSW).

Evaporation:

Pan evaporation for April 2019 was 4.39” which was 0.33” below the normal for April (93% of normal).