

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

Month: October
Year: 2017



Temperature:

Mean T_{\max} was 64.4°F which is 0.5° above the 1981-2010 normal for the month. This is the 73rd warmest in the 129 year record (1889-2017), tied with 1902 and 1980. The last October this warm or warmer was 2016 with 72.5°F .

Mean T_{\min} was 34.7°F which is 1.7° below the 1981-2010 normal for the month. This is the 73rd coolest in the 129 year record (1889-2017), tied with 1933 and 1975. The last October this cool or cooler was 2013 with 35°F .

Mean T_{mean} was 49.6°F which is 0.6° below the 1981-2010 normal for the month. This is the 61st coolest in the 129 year record (1889-2017), tied with 1915. The last October this cool or cooler was 2013 with 47.4°F .

The maximum daily temperature for the month was 82°F and occurred on October 25th, 2017.

The minimum daily temperature for the month was 23°F and occurred on October 27th, 2017.

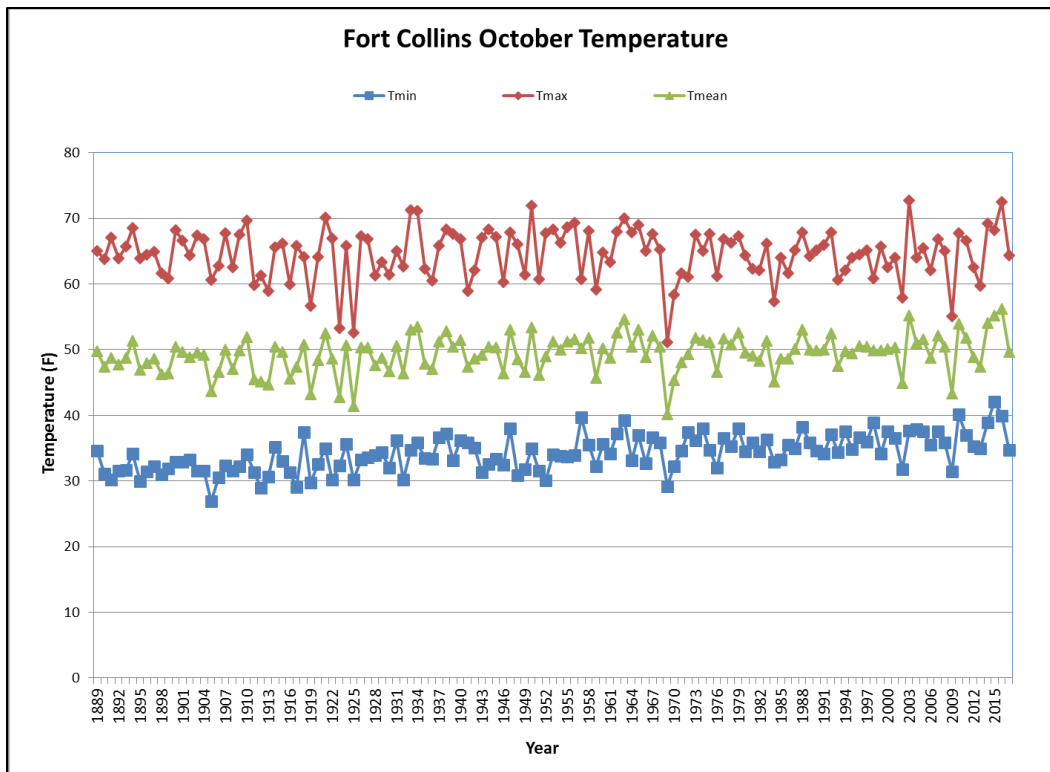


Figure 1: October temperature time series.

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

Daily Maximum Temperature:

October 25, 2017: The high temperature of 82°F beat the previous record for the day of 78°F set in 2014.

Precipitation and Snowfall:

Total monthly precipitation was 1.68” and was 0.53” above the 1981-2010 normal for the month (146% of normal). This ranks as the 32nd wettest in the 129 year record (1889-2017), tied with 2013. The last October this wet or wetter was 2013.

October snowfall totaled 1.6” and was 2.0” below the 1981-2010 normal for the month (44% of normal). This ranks as the 55th least snowy in the 129 year record (1889-2017). This was the first October with measurable snow since 2013, which had 3.3 inches.

October had 5 days with measurable precipitation (≥ 0.01 ”) and 2 days with measurable snowfall (≥ 0.1 ”).

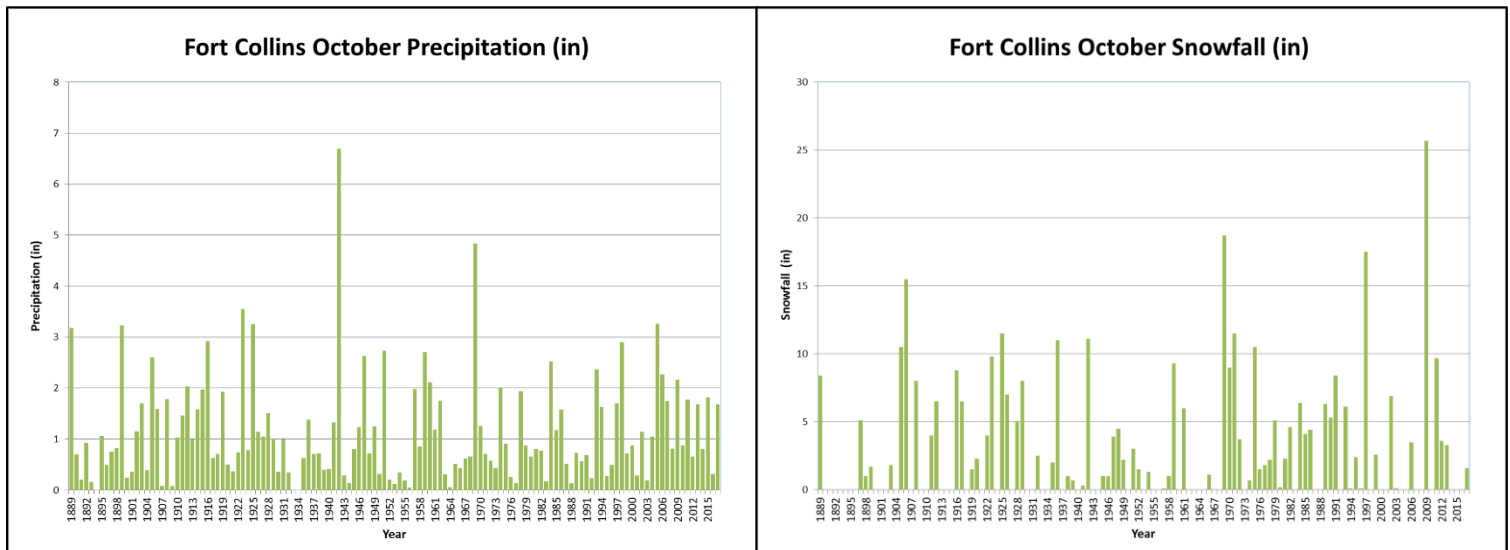


Figure 2: October precipitation (left) and snowfall (right) time series.

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

Daily Precipitation Record:

October 9, 2017: The daily precipitation amount of 0.98” broke the old record for the day of 0.76” set in 2005.

Daily Snowfall Record:

October 9, 2017: The daily snowfall amount of 1.5” broke the old record for the day of 1.0” set in 1932.

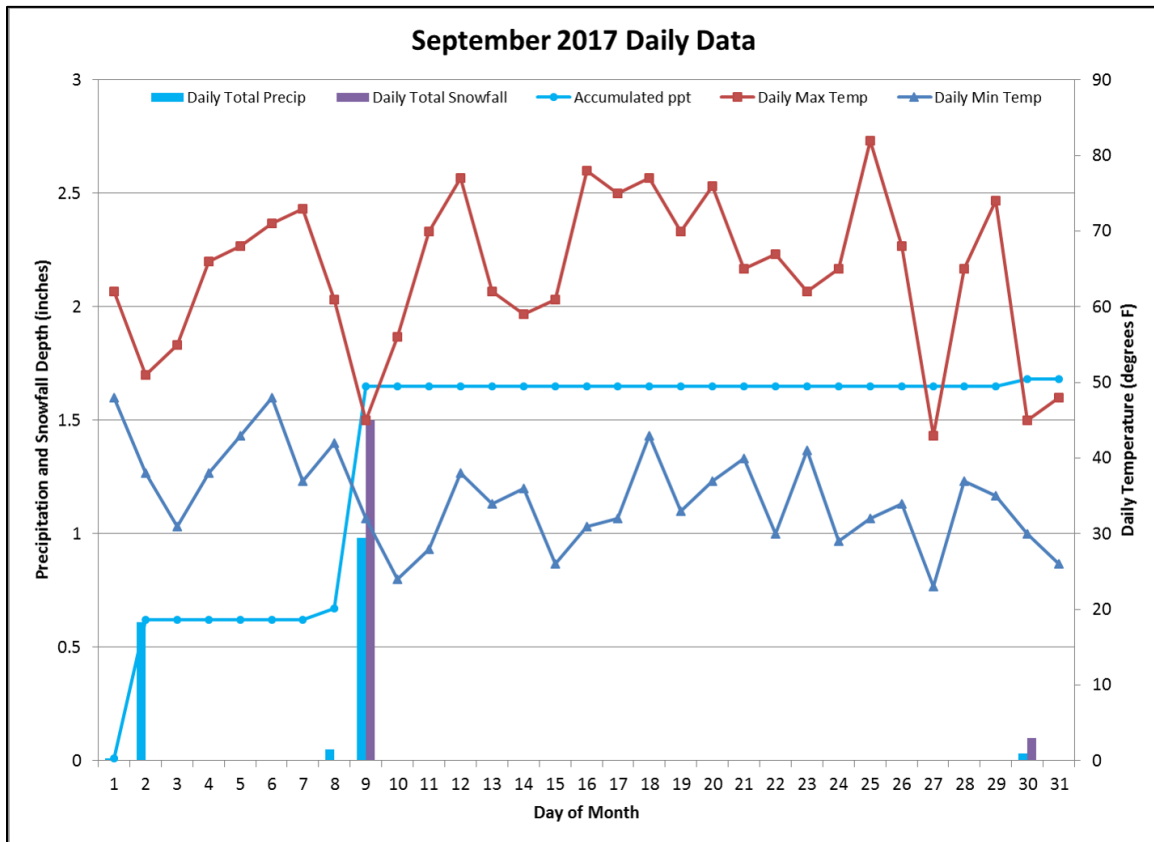


Figure 3: Daily Data for October 2017. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In October 2017 there were 11 days with maximum wind gusts ≥ 20 mph and 1 day ≥ 30 mph.

The maximum daily wind gust for the month was 30 mph and occurred on October 14th at 2:30 PM MST from 310°.

Evaporation:

Pan evaporation for October 2017 was 3.03” which was 0.18” below the normal for October (95% of normal).