

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

Month: October
Year: 2015



Temperature:

Mean T_{\max} was 68.2°F which is 4.3° above the 1981-2010 normal for the month. This is the 16th warmest in the 127 year record (1889-2015). The last October this warm or warmer was 2014 with 69.2°F.

Mean T_{\min} was 42.1°F which is 5.7° above the 1981-2010 normal for the month. This is the warmest in the 127 year record (1889-2015), beating October 2010 with 40.2°F.

Mean T_{mean} was 55.2°F which is 5.0° above the 1981-2010 normal for the month. This ties the record warmest October of 2003.

The maximum daily temperature for the month was 86°F and occurred on October 11th, 2015.

The minimum daily temperature for the month was 30°F and occurred on October 28th, 2015.

The first fall frost this year (temperature of 32°F or less) occurred on October 24th, 2015, with a minimum of 32°F. This is the latest the first frost has occurred in the 127 year record (1889-2015). The previous latest was 2004 with the first frost occurring on October 23rd, a minimum temperature of 31°F.

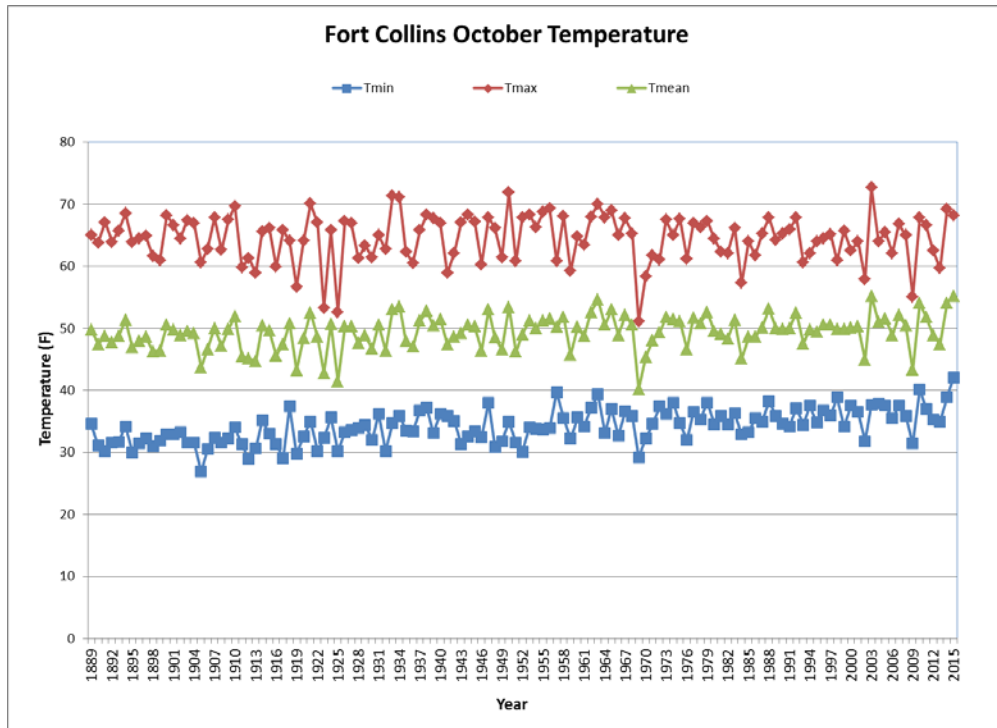


Figure 1: October temperature time series.

Misc. Temperature (record status, etc):

Highest Maximum Temperature:

October 11th: The maximum daily temperature of 86°F broke the record maximum temperature for the day of 85°F set in 1996.

October 10th: The maximum daily temperature of 83°F tied the record high temperature for the day set in 1926 and 1979.

October 13th: The maximum daily temperature of 83°F tied the record high temperature for the day set in 1989.

Highest Minimum Temperature:

October 2nd: The minimum daily temperature of 54°F broke the record highest minimum temperature for the day of 52°F set in 1991.

Precipitation and Snowfall:

Total monthly precipitation was 1.81” and was 0.66” above the 1981-2010 normal for the month (157% of normal). This ranks as the 25th wettest in the 127 year record (1889-2015). The last October this wet or wetter was 2009 with 2.16” of precipitation.

Total monthly snowfall was 0.0”. The normal snowfall for the October is 3.6”. This is the 49th time in the 127 year record October received no snowfall. The last time October had no snowfall was last year, 2014.

Seasonal snowfall is also 0.0”, compared to a normal of 4.5”. This is the 46th time in the 127 year record no snow has fallen in September and October. The last time this happened was last year, 2014, which saw the first snowfall on November 11th, 2014.

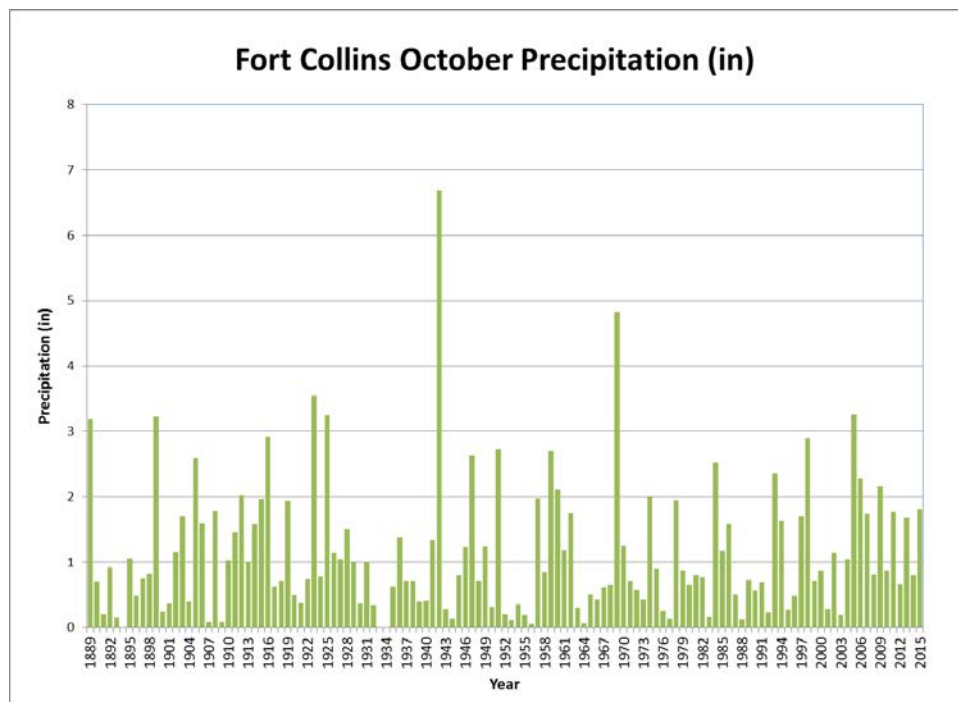


Figure 2: October 2015 precipitation time series.

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

Days with Precipitation:

7 days with measureable (0.01” or greater) precipitation

14 days with trace or greater

Wind:

In October 2015 there were 5 days with maximum wind gusts ≥ 20 mph and 0 days ≥ 30 mph.

The maximum daily wind gust for the month was 25 mph and occurred on October 27th, 2015 at 8:20 MST from 310°.

Evaporation:

Pan evaporation for October 2015 was 2.99" which was 0.22" below the normal for October (93% of normal).