

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

Month: October
Year: 2014



Temperature:

Mean T_{\max} was 69.2 which is 5.3 degrees above the normal for the month. This ranks as the 9th warmest in the 126 year record (1889-2014). The last October this warm or warmer was 2003 with 72.7 degrees, which is the warmest on record.

Mean T_{\min} was 38.9 degrees which is 2.5 degrees above the normal for the month. This ranks as the 4th warmest in the 126 year record (1889-2014) tied with 1998. The last October this warm or warmer was 2010 with 40.2 degrees, which is the warmest on record.

Mean T_{mean} was 54.1 degrees which is 3.8 degrees above the normal for the month. This ranks as the 3rd warmest in the 126 year record (1889-2014). The last October this warm or warmer was 2003 with 55.2 degrees, which is the warmest on record.

The maximum daily temperature was 79 and occurred on 24 October 2014.
The minimum daily temperature was 28 and occurred on 29 October 2014.

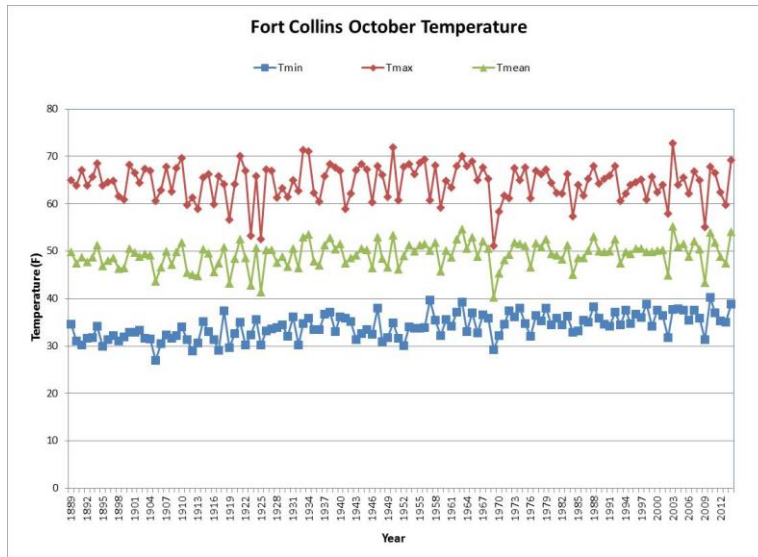


Figure 1: October temperature time series.

Misc. Temperature (record status, days above/below thresholds):

Highest Maximum Temperature:

The high temperature of 78 on 25 October 2014 broke the record of 77 set in 1891, 1922, 1959 and 2007.

Highest Minimum Temperature:

The minimum temperature of 48 on 10 October 2014 breaks the old record of 47 set in 1954 and 2010.

Tmax >=70 Degrees:

In October 2014, there were 18 days with the maximum temperature greater than or equal to 70 degrees. This ranks as the 7th most days for October and is tied with 1910, 1926 and 1973. See table to the right.

Year	Tmax >=70
1934	21
1963	20
1950	20
2003	20
1933	19
1945	19
2014	18
1973	18
1926	18
1910	18

Tmin >=32 Degrees:

In October 2014, there were 29 days with the minimum temperature greater than or equal to 32 degrees. This is the most days out of any October and is tied with 1963, 1965 and 2010. See table to the right.

Year	Tmin >=32
2014	29
1963	29
1965	29
2010	29
2005	28
2004	28
1998	28

Precipitation and Snowfall:

Total monthly precipitation was 0.80” and was 0.35” below the normal for the month (70% of normal). This ranks as the 62nd driest in the 126 year record (1889-2014) tied with 1945 and 1981.

Total monthly snowfall was 0.0” and was 3.6” below the normal for the month (0% of normal). We ended October with no seasonal snowfall which is 4.5” below the normal for the season (0% of normal). 49 other snow seasons have started with no snowfall through October.

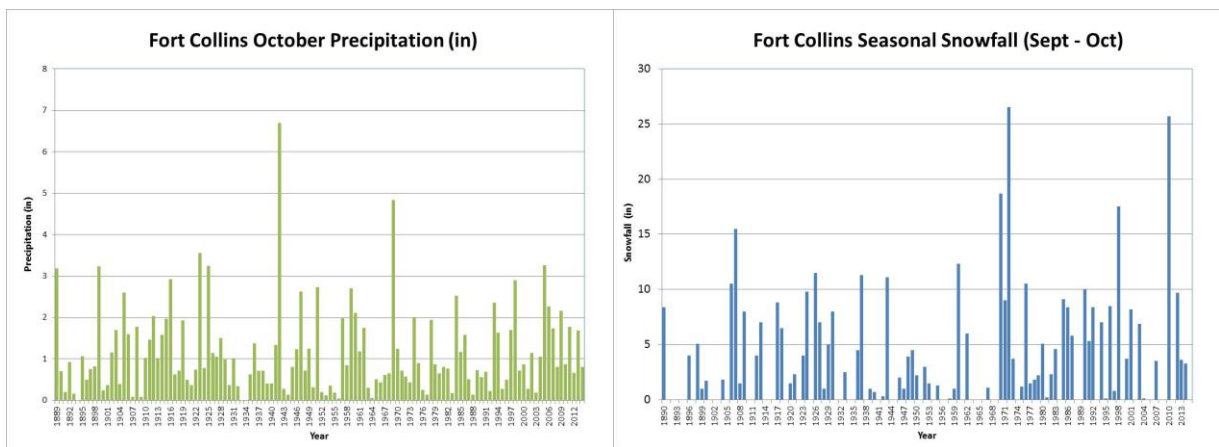


Figure 2: October precipitation (left) and Seasonal snowfall through Oct (right) time series.

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

None.

Wind:

In October 2014 there were 7 days with maximum wind gusts ≥ 20 mph and 0 days ≥ 30 mph.

The maximum daily wind gust for the month was 28.7 mph and occurred on 27 October 2014 at 14:20 MST from 300°.

Evaporation:

Pan evaporation for the month was 3.36” which is 0.15” above the normal (105% of normal) for October.