

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



Month: October

Year: 2009

**Report created by:
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Temperature:

Mean T_{\max} was 55.1 which is 9.1 degrees below normal for the month. This ranks as the 4th coldest in the 121 year record (1889-2009).

Mean T_{\min} was 31.4 which is 3.9 degrees below the normal for the month. This ranks as the 20th coldest in the 121 year record (1889-2009).

Mean T_{mean} was 43.3 which is 6.6 degrees below normal for the month. This ranks as the 5th coldest in the 121 year record (1889-2009).

The maximum daily temperature was 83.0 and occurred on 18 October 2009. The minimum daily temperature was 15.0 and occurred on 10 October 2009.

Year	October Mean Temperature
1969	40.2
1925	41.4
1923	42.8
1919	43.2
2009	43.3

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

10 October 2009:

New coldest maximum temperature of 26 beats old record of 41 set in 1899.

New coldest minimum temperature of 15 beats old record of 18 set in 1905.

11 October 2009:

New coldest maximum temperature of 30 beats old record of 41 set in 1986.

18 October 2009:

Highest maximum temperature of 83 ties old record set in 2003.

Precipitation:

The total monthly precipitation was 2.16” and was 1.18” above normal (220% of normal). This ranks as the 17th wettest October in the 121 year record (1889-2009).

The total monthly snowfall was 25.7” which is THE SNOWIEST October in the 121 year record (1889-2009).

Year	October Snowfall (in)
2009	25.7
1969	18.7
1997	17.5
1906	15.5
1925	11.5

Misc. Precipitation (predominant type, record status, etc.):**10 October 2009:**

New maximum daily snowfall of 3.7” breaks old record of 1.8” set in 1977.

28 October 2009:

New maximum daily precipitation of 1.20” breaks old record of 0.80” set in 1998.

New maximum daily snowfall of 17.5” breaks old record of 4.0” set in 1917.

Wind:

In October 2009 there were 9 days with maximum wind gusts \geq 20 mph with 1 day \geq 30 mph.

The maximum daily wind gust for the month was 37 miles per hour and occurred on 30 September 2009 (observation day ends 1900 MST) at 20:10 MST from 270°.

Evaporation:

The total monthly Class A pan evaporation for October 2009 was 2.25” compared to October normal evaporation ** of 3.21” which is 0.96” below normal (70% of normal).

Please note that due to days when the pan was frozen, there are several days of estimated evaporation in this total.

** Normal evaporation is average monthly evaporation calculated for Class A pan only (1974-2008). Prior to 1974 a sunken pan was used.