

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



Month: October
Year: 2010
Report created by:
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Temperature:

Mean T_{\max} was 67.8 which is 3.6 degrees above normal for the month. This ranks as the 22nd warmest in the 122 year record (1889-2010) tied with 1907 and 1952. The most recent year it was this warm or greater was in 2003 with 72.7 degrees.

Mean T_{\min} was 40.2 which is 4.9 degrees above the normal for the month. This ranks as the warmest in the 122 year record (1889-2010).

Mean T_{mean} was 54.0 which is 4.2 degrees above the normal for the month. This ranks as the 3rd warmest in the 122 year record (1889-2010). The most recent year it was this warm or greater was in 2003 with 55.2 degrees.

The maximum daily temperature was 82 and occurred on 5 October 2010. The minimum daily temperature was 21 and occurred on 28 October 2010.

The first fall freeze (32 degree low) occurred on 19 October 2010. This is the 5th latest fall freeze in the 122 year record (1889 – 2010). The latest fall freeze on record is 23 October and occurred in 1972, 1988 and 2004.

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

Highest Minimum Temperature:

6 October 2010: Daily minimum of 57 breaks the old record of 51 set in 1958.

10 October 2010: Daily minimum of 47 ties the old record set in 1954.

23 October 2010: Daily minimum of 47 breaks the old record of 46 set in 1893.

Accumulated Monthly Temperature Ranking Table:

Period	Average Temperature	Rank (Descending)
2-month (Sept - Oct)	59.4	1
3-month (Aug - Oct)	63.8	1
4-month (Jul - Oct)	66.1	2

Note: The 4-month average temperature is second to 2003 which had a 4-month average temperature of 66.2 degrees.

Precipitation and Snowfall*:

Total monthly precipitation was 0.87” and was 0.11” below normal (88.8% of normal). This ranks as the 55th wettest October in the 122 year record (1889-2010).

Total monthly snowfall was a Trace. This ranks as the 48th least snowy October tied with 2000, 2001, 2004, 2007, and 2008.

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

None.

Wind:

In September 2010 there were 8 days with maximum wind gusts ≥ 20 mph and 3 days ≥ 30 mph.

The maximum daily wind gust for the month was 39 miles per hour and occurred on 26 October at 7:10 MST from 290°.

Evaporation

Total class A pan evaporation for October 2010 was 3.44” compared to the normal** evaporation of 3.21” which is 0.23” above the normal (107% of normal).

Growing season (May - Sept) evaporation was 32.12” which is 0.15” below normal (99.5% of normal).

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