

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

Month: October
Year: 2011
Report created by:
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NOTE: Starting with the 2012 water year, the NCDC updated 30 year normals for the period 1981-2010 will be used.

Temperature:

Mean T_{\max} was 66.6 which is 2.7 degrees above the normal for the month. This ranks as the 42nd warmest in the 123 year record (1889-2011) tied with 1901.

Mean T_{\min} was 37.0 which is 0.6 degrees above the normal for the month. This ranks as the 20th warmest in the 123 year record (1889-2011) tied with 1965.

Mean T_{mean} was 51.8 which is 1.6 degrees above the normal for the month. This ranks as the 18th warmest in the 123 year record (1889-2011) tied with 1958 and 1973.

The maximum daily temperature was 87 and occurred on 2 October 2011.
The minimum daily temperature was 12 and occurred on 27 October 2011.

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

Highest Maximum Temperature:

2 Oct 11: Daily maximum of 87 breaks the old record of 86 set in 2005.

15 Oct 11: Daily maximum of 84 ties the record set in 1958.

Lowest Minimum Temperature:

27 Oct 11: Daily minimum of 12 breaks the old record of 15 set in 1895, 1920, and 1923.

Precipitation and Snowfall*:

Total monthly precipitation was 1.77” and was 0.62” above the normal for the month (154% of normal). This ranks as the 26th wettest in the 123 year record (1889-2011).

Total monthly snowfall was 9.7” and was 6.1” above the normal (269% of normal) and ranks as the 12th snowiest in the 123 year record (1889 -2011).

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

Precipitation:

8 Oct 11: Daily precipitation of 0.63” breaks the old record of 0.53” set in 1968.

26 Oct 11: Daily precipitation of 1.07” breaks the old record of 0.91” set in 2006.

Snowfall:

26 Oct 11: Daily snowfall of 9.7” breaks the old record of 3.0” set in 1970.

Wind:

In October 2011 there were 12 days with maximum wind gusts ≥ 20 mph and 2 days ≥ 30 mph.

The maximum daily wind gust for the month was 32 mph and occurred on 1 October 2011 at 17:40 MST from 190° .

Evaporation:

October 2011 Class A pan evaporation was 3.56" which is 0.35" above the normal** for the month (111% of normal).

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