

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



Month: December

Year: 2010

Report created by:

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Temperature:

Mean T_{\max} was 46.8 which is 3.9 degrees above normal for the month. This ranks as the 24th warmest in the 122 year record (1889-2010) tied with 1977 and 1995. The most recent year it was this warm or greater was 2004 with 46.9.

Mean T_{\min} was 22.0 which is 5.3 degrees above the normal for the month. This ranks as the 5th warmest in the 122 year record (1889-2010). The most recent year it was this warm or greater was 1999 with 23.4 degrees.

Mean T_{mean} was 34.4 which is 4.6 degrees above the normal for the month. This ranks as the 9th warmest in the 122 year record (1889-2010). The most recent year it was this warm or greater was 1999 with 36.5 degrees.

The maximum daily temperature was 66 and occurred on 13 December 2010.

The minimum daily temperature was 5 and occurred on 31 December 2010.

Mean annual temperature for 2010 was 50.9 degrees which is 1.7 degrees above the average. This ranks as the 11th warmest year in the 122 year record. The most recent year with an average annual temperature this warm or greater was 2006 with 51.6 degrees.

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

Daily Maximum Temperature

13 December 2010: Daily maximum temperature of 66 degrees breaks the old record of 65 set in 1921.

Precipitation and Snowfall*:

Total monthly precipitation was 0.22” and was 0.27” below normal (44.9% of normal). This ranks as the 51st driest December in the 122 year record (1889-2010) tied with 1953.

Water year 2011 precipitation is 1.79” which is 0.50” below normal (78.2% of normal). This ranks as the 55th driest water year in the 122 year record.

Calendar year 2010 precipitation was 13.93” which is 1.91” below normal (87.9%) for the year. This ranks as the 55th driest calendar year in the 122 year record.

Total monthly snowfall is 4.4” which is 4.1” below normal (51.8% of normal). This ranks as the 58th least snowy December in the 122 year record.

Seasonal snowfall is also 9.4” which is 14.1” below normal (40.0% of normal). This ranks as the 68th least snowy season in the 122 year record tied with 1983 and 1985.

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

There were only 2 days of measurable precipitation in December 2010, the 30th and 31st.

Wind:

In December 2010 there were 12 days with maximum wind gusts \geq 20 mph and 2 days \geq 30 mph.

The maximum daily wind gust for the month was 34 miles per hour and occurred on 10 December at 18:20 MST from 310°.