

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



Month: December
Year: 2009
Report created by:
Wendy Ryan

Temperature:

Mean T_{\max} was 35.7 which is 7.2 degrees below normal for the month. This ranks as the 10th coldest in the 121 year record (1889-2009) tied with 1978.

Mean T_{\min} was 12.3 which is 4.4 degrees below the normal for the month. This ranks as the 24th coldest in the 121 year record (1889-2009) tied with 1912.

Mean T_{mean} was 24.0 which is 5.8 degrees below normal for the month. This ranks as the 14th coldest in the 121 year record (1889-2009) tied with 1919.

The maximum daily temperature was 58.0 and occurred on 21 December 2009.

The minimum daily temperature was -15.0 and occurred on 9 December 2009.

The mean annual temperature for 2009 was 49.7 which is the coldest mean annual temperature since 1997.

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

3 December 2009

The lowest maximum temperature record of 24 tied the record set in 1992.

Precipitation and Snowfall*:

The total monthly precipitation was 1.11” and was 0.62” above normal (227% of normal). This ranks as the 12th wettest December in the 121 year record (1889-2009).

Water year 2010 precipitation is 3.96” and was 1.68” above normal (236% of normal). This ranks as the 11th wettest water year (Oct-Dec) in the 121 year record.

Calendar year 2009 precipitation is 21.88” and was 6.04” above normal (138% of normal). This ranks as the 7th wettest calendar year in the 121 year record.

Calendar Year	Precipitation (in)
1961	28.28
1923	27.57
1997	25.23
1951	22.58
1915	22.36
1979	22.13
2009	21.88

The total monthly snowfall was 20.3” which is 11.8” above normal (172%). This ranks as the 5th snowiest December in the 121 year record (1889-2009) tied with 1978.

Year	December Snowfall (in)
1913	40.3
2006	29.3
1979	20.7
1988	20.4
1978	20.3
2009	20.3

Water year 2010 snowfall is 52.9” which is 30.8” above normal (172% of normal). This ranks as the 2nd snowiest water year (Oct-Dec) in the 121 year record. *Note: Water year 1980 (Oct-Dec) ranks first with 54.9”.*

Calendar year 2009 snowfall is 79.5” and was 20.7” above normal (135% of normal). This ranks as the 6th snowiest calendar year in the 121 year record.

Calendar Year	Snowfall (in)
1979	107.1
1983	83.3
1985	82.9
1978	81.9
1988	81.9
1990	79.5
2009	79.5

** Note: Starting with December 2009 these reports will use the 1971-2000 average snowfall, previous months have used period of record snowfall normals*

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

6 December 2009:

A new daily precipitation record of 0.33” replaces the old record of 0.28” set in 1891.

A new daily snowfall record of 9.4” replaces the old record of 4.6” set in 1978.

23 December 2009:

A new daily precipitation record of 0.51” replaces the old record of 0.37” set in 1948.

Wind:

In December 2009 there were 7 days with maximum wind gusts \geq 20 mph with 0 days \geq 30 mph.

The maximum daily wind gust for the month was 29 miles per hour and occurred on 26 December 2009 at 4:00 MST from 280°.