

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

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



Temperature:

Mean T_{\max} was 83.5 which is 2.0 degrees below normal for the month. This ranks as the 31st coolest in the 121 year record (1889-2009).

Mean T_{\min} was 56.6 which is 0.3 degrees below the normal for the month. This ranks as the 72nd coolest in the 121 year record (1889-2009).

Mean T_{mean} was 70.1 which is 1.2 degrees below normal for the month. This ranks as the 49th coolest in the 121 year record (1889-2009) tied with 2004.

The maximum daily temperature was 94 and occurred on 24 July 2009.
The minimum daily temperature was 49 and occurred on 31 July 2009.

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

None

Precipitation:

The total monthly precipitation was 3.95” and was 2.08” above normal (211% of normal). This ranks as the 7th wettest July in the 121 year record (1889-2009).

Year	July Precipitation (in)
1997	6.71
1977	5.86
1899	4.94
1918	4.82
1923	4.5
1961	4.06
2009	3.95

Water year 2008-2009 precipitation is 18.37” compared to water year normal of 13.06” by the end of June which is 141% of normal. This ranks as the 7th wettest water year (Oct-Jul) in the 121 year record.

Year	Water Year (Oct-Jul)
1923	24.18
1961	21.13
1900	20.42
1999	19.15
1995	18.5
1949	18.44
2009	18.37

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

The daily precipitation of 0.42” on 1 July 2009 ties the maximum precipitation record of 0.42” set in 1940.

The daily precipitation of 2.10” on 21 July 2009 breaks the old record of 0.52” set in 1935.

There were 3 days with hail in July which occurred on: 1 July 2009, 20 July 2009 and 29 July 2009.

Wind:

In June 2009 there were 11 days with maximum wind gusts ≥ 20 mph with 2 days ≥ 30 mph.

Date	Daily Max Gust Speed (mph)	Daily Max Gust Dir. (deg)	Daily Max Gust Time (MST)
7/7/2009	35	210	12:30
7/13/2009	30	190	16:20

The maximum daily wind gust for the month was 35 miles per hour and occurred on 7 July 2009 at 12:30 MST from 210°.

Evaporation:

The total monthly Class A pan evaporation for July 2009 was 6.48” compared to July normal evaporation^{**} of 7.85” which is 1.37” below normal (83% of normal).

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