

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



Month: June
Year: 2010
Report created by:
Wendy Ryan

Temperature:

Mean T_{\max} was 81.7 which is 1.2 degrees above normal for the month. This ranks as the 29th warmest in the 122 year record (1889-2010). The most recent year it was this warm or greater was in 2007 with 84.3 degrees.

Mean T_{\min} was 54.7 which is 3.1 degrees above the normal for the month. This ranks as the 5th warmest in the 122 year record (1889-2010) tied with 1994. The most recent year it was this warm or greater was in 2006 with 55.7 degrees.

Mean T_{mean} was 68.2 which is 2.1 degrees above the normal for the month. This ranks as the 15th warmest in the 122 year record (1889-2010). The most recent year it was this warm or greater was in 2007 with 68.5 degrees.

The maximum daily temperature was 97 and occurred on 25 June 2010.
The minimum daily temperature was 43 and occurred on 15 June 2010.

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

Highest Minimum Temperature:

5 June 2010: 58 degrees ties the old daily highest minimum temperature record set in 1990.

10 June 2010: 62 degrees beats the old daily highest minimum temperature record of 58 set in 1957.

Precipitation and Snowfall*:

The total monthly precipitation was 1.96” and was 0.03” below normal (99% of normal). This ranks as the 49th wettest June in the 122 year record (1889-2010).

Water year 2010 precipitation is 13.56” and is 2.37” above normal (121% of normal). This ranks as the 28th wettest water year (Oct-June) in the 122 year record.

The total monthly snowfall was 0.0” which is 0.1” below normal (0% of normal). This is one of 117 June’s out of 122 with zero snowfall.

2010 seasonal snowfall remained 88.7” which is 29.9” above normal (151% of normal). This remains the 3rd snowiest season (Sept-June) in the 122 year record. The top 5 snow seasons are listed below:

Year	Seasonal Snowfall (Oct- Jun)
1980	114
1988	89.4
2010	88.7
1984	83.5
1917	82.2

** 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.):

None.

Wind:

In June 2010 there were 7 days with maximum wind gusts \geq 20 mph and zero with days \geq 30 mph.

The maximum daily wind gust for the month was 29 miles per hour and occurred on 7 June at 21:40 MST from 300°.

Evaporation

Total class A pan evaporation for June 2010 was 6.66" compared to June normal** evaporation of 7.11" which is 0.45" below the normal (94% of normal).

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

Accumulated Water Loss Comparison

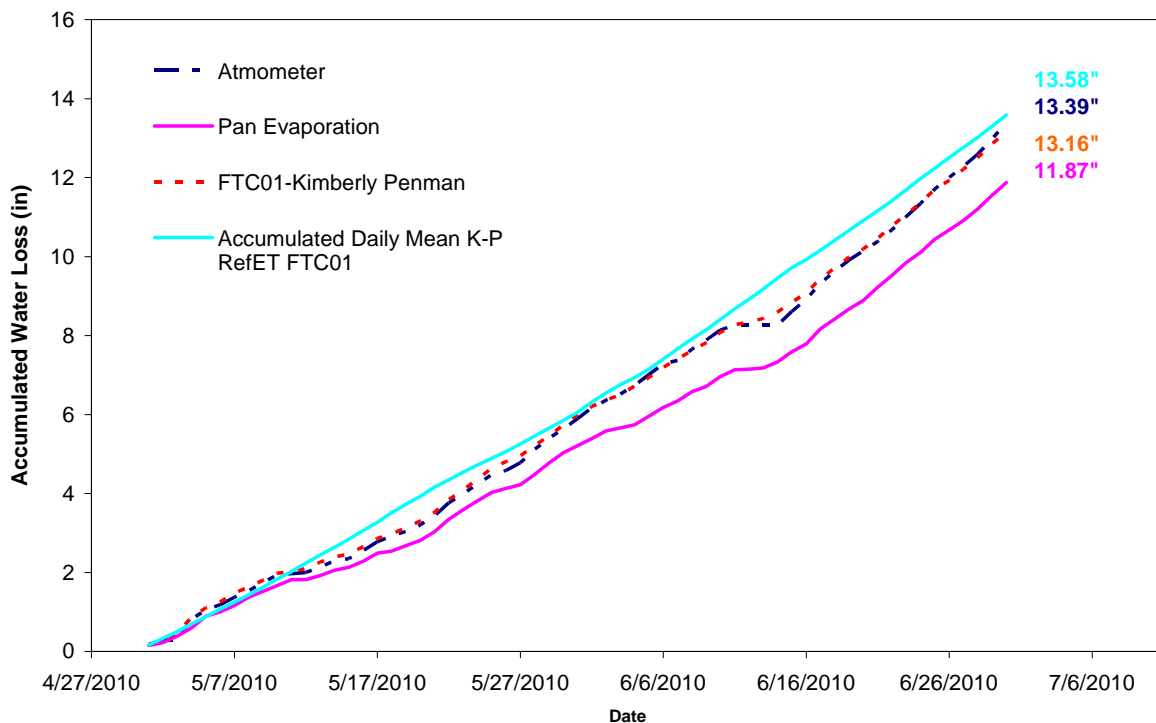


Figure: Water loss comparison of Fort Collins Weather Station instruments (atmometer and class A pan) and nearby FTC01 CoAgMet (ccc.atmos.colostate.edu/~coagmet) station. The light blue line represents the historical daily normal evaporation from the CoAgMet station.