

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

**Month: August
Year: 2009
Report created by:
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Temperature:

Mean T_{\max} was 83.0 which is 0.4 degrees below normal for the month. This ranks as the 48th coolest in the 121 year record (1889-2009).

Mean T_{\min} was 54.2 which is 1.0 degrees below the normal for the month. This ranks as the 67th coolest in the 121 year record (1889-2009).

Mean T_{mean} was 68.6 which is 0.7 degrees below normal for the month. This ranks as the 62nd coolest in the 121 year record (1889-2009) tied with 2004.

The maximum daily temperature was 92 and occurred on 12 August 2009. The minimum daily temperature was 47 and occurred on 17 August 2009.

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

None

Precipitation:

The total monthly precipitation was 0.22" and was 1.18" below normal (16% of normal). This ranks as the 8th driest August (tied with 1892) in the 121 year record (1889-2009).

Water year 2008-2009 precipitation is 18.59" compared to water year normal of 14.46" by the end of August which is 129% of normal. This ranks as the 11th wettest water year (Oct-Aug) in the 121 year record.

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

None

Wind:

In August 2009 there were 6 days with maximum wind gusts ≥ 20 mph with 1 day ≥ 30 mph.

The maximum daily wind gust for the month was 38 miles per hour and occurred on 8 August 2009 at 18:10 MST from 180°.

Evaporation:

The total monthly Class A pan evaporation for August 2009 was 5.69” compared to August normal evaporation** of 6.48” which is 0.79” below normal (88% of normal).

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

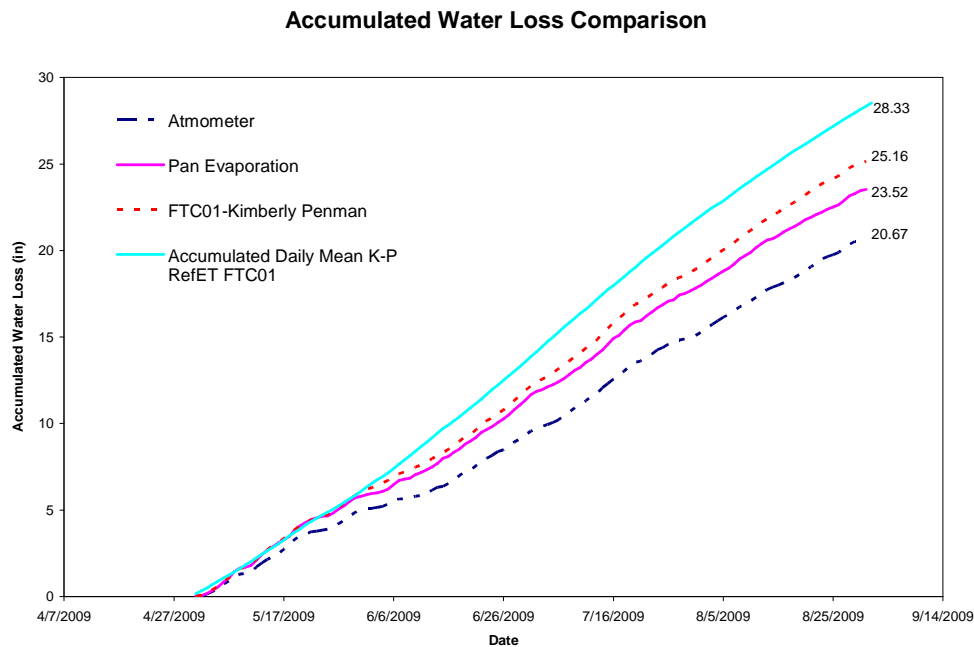


Figure: Water loss comparison of Fort Collins Weather Station instruments (atmometer and class A pan) and nearby FTC01 CoAgMet (ccc.atmos.colostate.edu/~coagmet) station. The light blue line represents the historical daily normal evaporation from the CoAgMet station.