

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



Month: July

Year: 2010

Report created by:

Wendy Ryan

Temperature:

Mean T_{\max} was 88.3 which is 2.8 degrees above normal for the month. This ranks as the 19th warmest in the 122 year record (1889-2010). The most recent year it was this warm or greater was in 2008 with 90.0 degrees.

Mean T_{\min} was 58.1 which is 1.2 degrees above the normal for the month. This ranks as the 23rd warmest in the 122 year record (1889-2010) tied with 1954 and 1996. The most recent year it was this warm or greater was in 2008 with 58.7 degrees.

Mean T_{mean} was 73.2 which is 2.0 degrees above the normal for the month. This ranks as the 18th warmest in the 122 year record (1889-2010). The most recent year it was this warm or greater was in 2008 with 74.3 degrees.

The maximum daily temperature was 97 and occurred on 13 and 17 July 2010.

The minimum daily temperature was 50 and occurred on 5 and 9 July 2010.

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

Lowest Maximum Temperature:

7 July 2010: Maximum temperature of 67 breaks the old record of 69 set in 1906.

Precipitation and Snowfall*:

The total monthly precipitation was 1.26” and was 0.61” below normal (67% of normal). This ranks as the 58th wettest July in the 122 year record (1889-2010).

Water year 2010 precipitation is 14.82” and is 1.76” above normal (113% of normal). This ranks as the 31st wettest water year (Oct-July) in the 122 year record.

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

None.

Wind:

In July 2010 there were 13 days with maximum wind gusts \geq 20 mph and 1 day \geq 30 mph.

The maximum daily wind gust for the month was 30 miles per hour and occurred on 10 July at 15:20 MST from 290°.

Evaporation

Total class A pan evaporation for July 2010 was 7.44” compared to July normal** evaporation of 7.85” which is 0.41” below the normal (95% 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

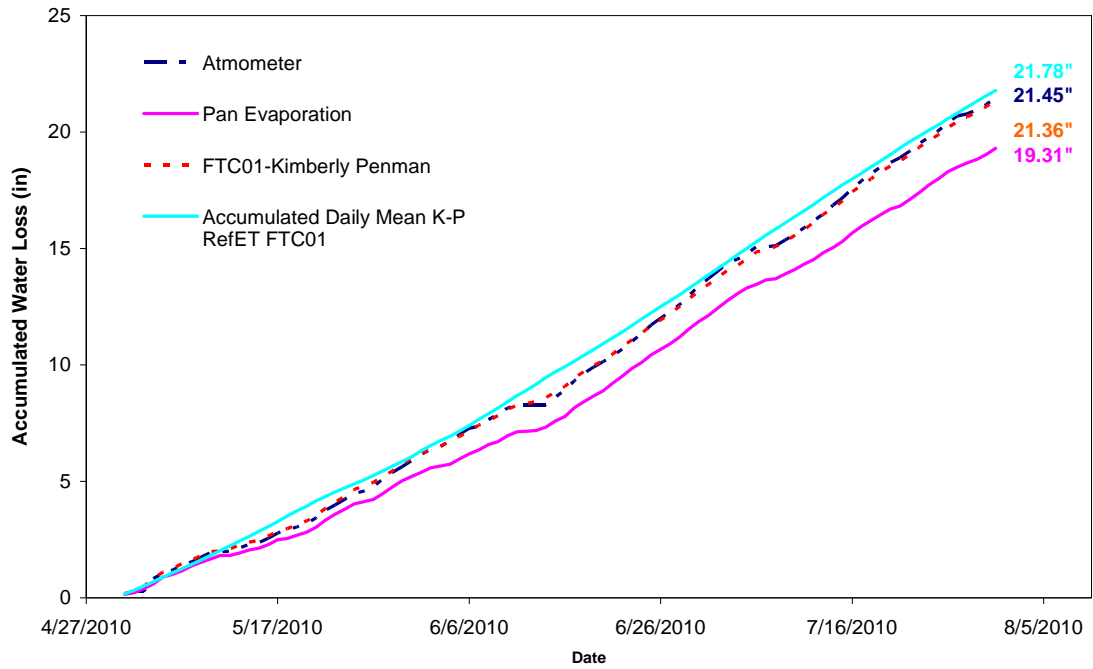


Figure: Water loss comparison of Fort Collins Weather Station instruments (atmometer and class A pan) and nearby FTC01 CoAgMet (ccc.atmos.colostate.edu/~coagmet) station. The light blue line represents the historical daily normal evaporation from the CoAgMet station.