

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

Month: July
Year: 2011
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Temperature:

Mean T_{\max} was 89.2 which is 2.6 degrees above the normal for the month. This ranks as the 11th warmest in the 123 year record (1889-2011) tied with 2000. The most recent July this warm or warmer was 2008 with 90.0 F.

Mean T_{\min} was 60.4 which is 2.4 degrees above the normal for the month. This ranks as the 5th warmest in the 123 year record (1889-2011) tied with 1966. The most recent July this warm or warmer was 2007 with 61.6 F.

Mean T_{mean} was 74.8 which is 2.5 degrees above the normal for the month. This ranks as the 6th warmest in the 123 year record (1889-2011). The most recent July this warm or warmer was 2007 with 75.7 F.

The maximum daily temperature was 96 and occurred on both 4 and 31 July 2011.

The minimum daily temperature was 55 and occurred on 1, 4 and 22 July 2011.

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

Highest Minimum Temperature:

July 26, 2011: Daily minimum temperature of 66 tied the old record set in 1936 and 2003.

In July 2011, there were 15 days ≥ 90 degrees.

Precipitation and Snowfall*:

Total monthly precipitation was 1.70" and was 0.04" above the normal for the month (102% of normal). This ranks as the 43rd wettest July in the 123 year record (1889-2011).

Water year 2011 precipitation is 14.06" which is 0.91" above normal (107% of normal). This ranks as the 36th wettest water year in the 122 year record.

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

Wind:

In July 2011 there were 11 days with maximum wind gusts ≥ 20 mph and 2 days ≥ 30 mph.

The maximum daily wind gust for the month was 32 mph from 180° at 19:00 MST on 13 July 2011.

Evaporation:

July 2011 Class A pan evaporation was 7.37" which is 0.48" below the normal** for the month (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 2011

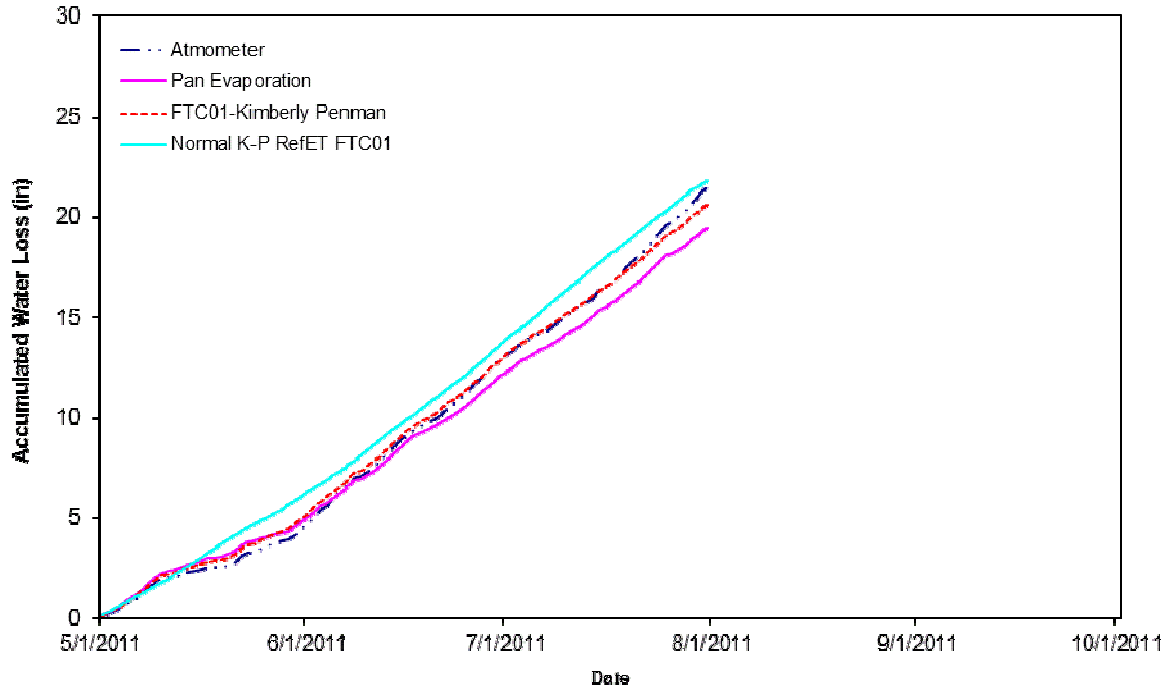


Figure: Water loss comparison of Fort Collins Weather Station instruments (atmometer and class A pan) and nearby FTC01 CoAgMet (ccc.atmos.colostate.edu/~coagmet) station. The light blue line represents the historical daily normal evaporation from the CoAgMet station.