

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

**Month: September**  
**Year: 2011**  
**Report created by:**  
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## **Temperature:**

Mean  $T_{\max}$  was 77.5 which is 1.6 degrees above the normal for the month. This ranks as the 39<sup>th</sup> warmest in the 123 year record (1889-2011).

Mean  $T_{\min}$  was 47.4 which is 0.3 degrees above the normal for the month. This ranks as the 25<sup>th</sup> warmest in the 123 year record (1889-2011) tied with 1925.

Mean  $T_{\text{mean}}$  was 62.5 which is 1.0 degrees above the normal for the month. This ranks as the 28<sup>th</sup> warmest in the 123 year record (1889-2011) tied with 1892, 1940, 1960, and 2009.

The maximum daily temperature was 94 and occurred on 1 September 2011. The minimum daily temperature was 35 and occurred on 22 September 2011.

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

### *Highest Maximum Temperature:*

**28 Sept 11:** Daily maximum of 91 breaks the old record of 89 set in 2010.

## **Precipitation and Snowfall\*:**

Total monthly precipitation was 1.97” and was 0.62” above the normal for the month (146% of normal). This ranks as the 28<sup>th</sup> wettest in the 123 year record (1889-2011) tied with 1959.

Water year 2011 ended with 16.19” of precipitation which is 0.10” above the water year normal (101% of normal). This ranks as the 42<sup>nd</sup> wettest water year in the 122 year record.

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

### **Wind:**

In September 2011 there were 3 days with maximum wind gusts  $\geq 20$  mph and 0 days  $\geq 30$  mph.

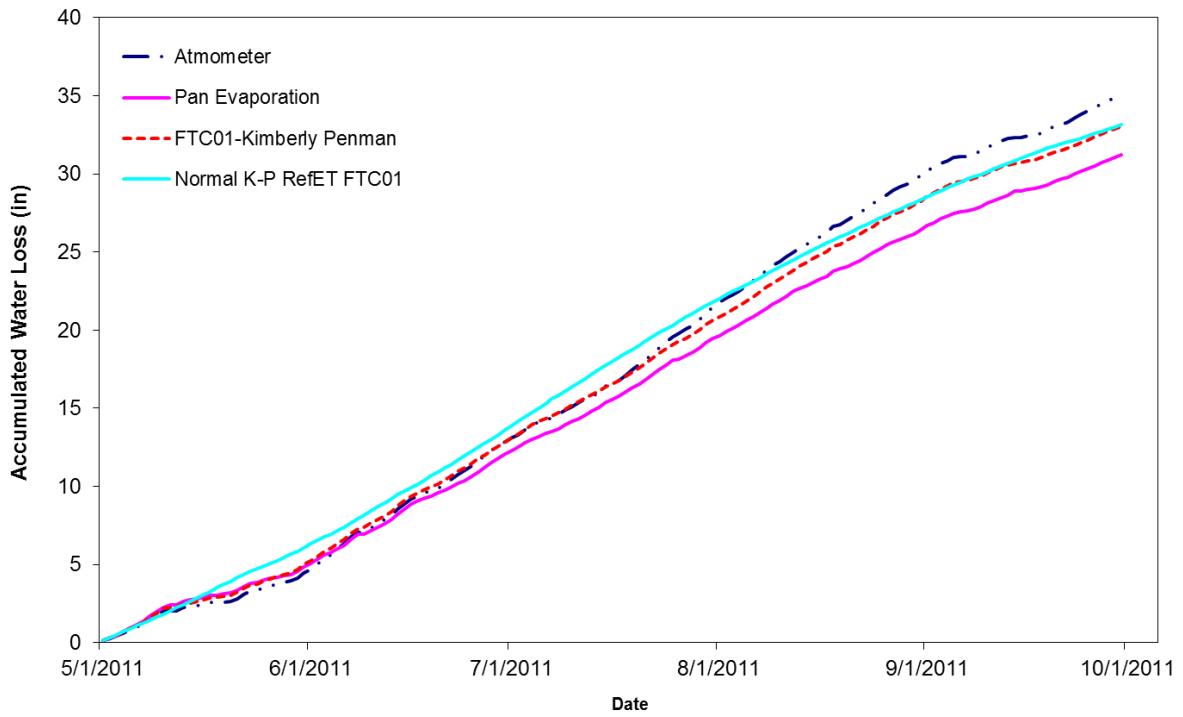
The maximum daily wind gust for the month was 21 mph and occurred on both 2 Sept and 6 Sept 2011.

## **Evaporation:**

September 2011 Class A pan evaporation was 4.79” which is 0.12” below the normal\*\* for the month (98% 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](http://ccc.atmos.colostate.edu/~coagmet)) station. The light blue line represents the historical daily normal evaporation from the CoAgMet station.**