

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

**Month: June**  
**Year: 2012**



## **Temperature:**

Mean  $T_{\max}$  was 89.6 which is 9.2 degrees above the normal for the month. This ranks as the warmest in the 124 year record (1889-2012). The second warmest is 1956 with 87.6 degrees.

Mean  $T_{\min}$  was 55.7 degrees which is 3.1 degrees above the normal for the month. This ranks as the 2<sup>nd</sup> warmest in the 124 year record (1889-2012) tied with 2006. The warmest on record is 1977 with 56.3 degrees.

Mean  $T_{\text{mean}}$  was 72.7 degrees which is 6.2 degrees above the normal for the month. This ranks as the warmest in the 124 year record (1889-2012). The last June this warm or warmer was 2006 with 71.6 degrees (which ranks 2<sup>nd</sup>).

The calendar year mean temperature (Jan-June) is 51.2 degrees which is 5.2 degrees above the normal for the period. This ranks as the warmest calendar year through June in the 124 year record (1889-2012).

The maximum daily temperature was 102 and occurred on 25 June 2012. The minimum daily temperature was 48 and occurred on 1, 12 and 13 June 2012.

A time series of June temperatures for Fort Collins, CO is shown in Figure 1 below.

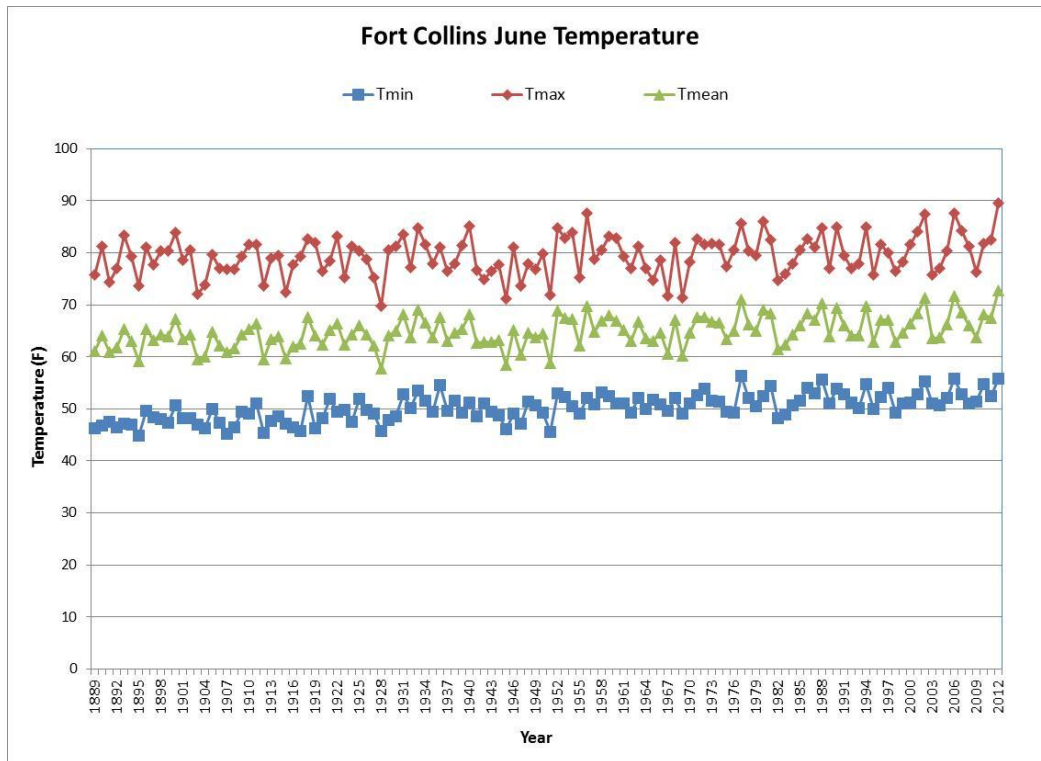


Figure 1: June temperature time series

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

#### *Highest Maximum Temperature*

22 June 2012: Maximum temperature of 97 breaks the old record of 95 set in 1937.

24 June 2012: Maximum temperature of 101 breaks the old record of 98 set in 1954, 1988 and 2007.

25 June 2012: Maximum temperature of 102 breaks the old record of 98 set in 2007.

26 June 2012: Maximum temperature of 98 breaks the old record of 97 set in 1994.

#### *Highest Minimum Temperature*

27 June 2012: Minimum temperature of 64 ties the old record set in 1977.

*Consecutive Days of 100 degrees or more*

June 2012 had a streak of 3 days in a row with 100 degrees or greater from 23-25 June 2012. This falls short of breaking the record of 4 consecutive days at or above 100 which was set July 10-13 of 1954.

There are currently only 26 days ever recorded at or above 100 degrees in the 124 year record for Fort Collins. The last time we hit 100 or greater was July 15, 2006 when we hit 100 degrees.

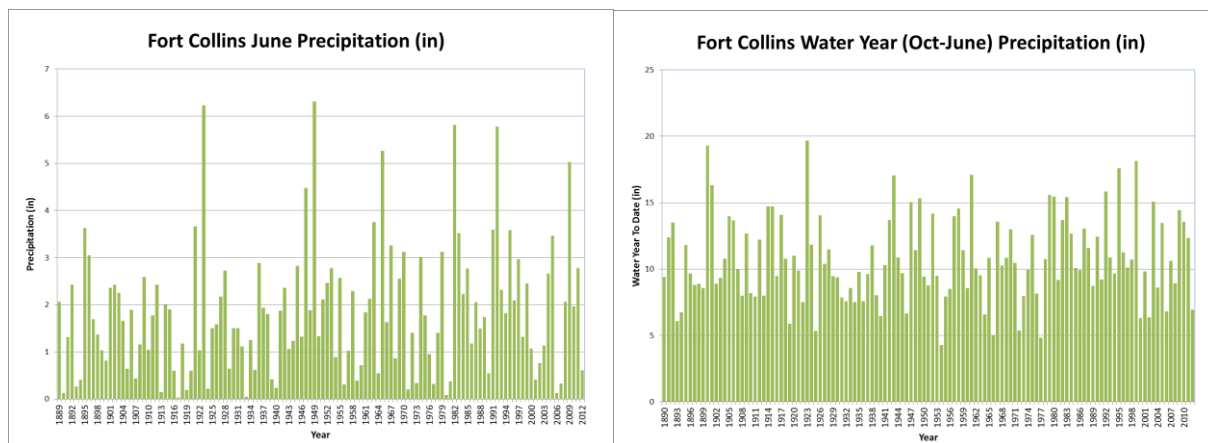
**Precipitation and Snowfall:**

Total monthly precipitation was 0.61” and was 1.56” below the normal for the month (28% of normal). This ranks as the 26<sup>th</sup> driest June in the 124 year record (1889-2012). The last June this dry was 2007 with 0.33”.

Calendar year precipitation was 3.49” which is 5.56” below the normal (39% of normal). This ranks as the 3<sup>rd</sup> driest calendar year through June in the 124 year record (1889 – 2012). The last calendar year this dry or drier was 2006 with 3.30”, which is the lowest on record.

Water year 2012 precipitation through June was 6.92” and was 4.54” below the normal (60% of normal). This ranks as the 15<sup>th</sup> driest water year in the 123 year data record (1890-2012). The last water year this dry by June was 2006 with 6.82”.

Time series of June and water year precipitation are shown in Figure 2.



**Figure 2: June (left) and water year (right) precipitation time series.**

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

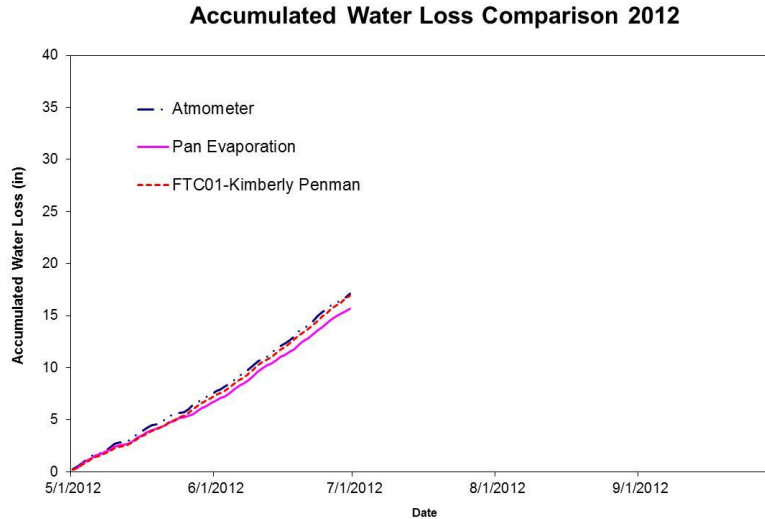
### Wind:

In June 2012 there were 23 days with maximum wind gusts  $\geq 20$  mph and 2 day  $\geq 30$  mph.

The maximum daily wind gust for the month was 32 mph and occurred on 15 June 2012 at 6:50 MST from  $200^\circ$ .

### Evaporation:

June 2012 pan evaporation was 9.05” and is 1.94” above the normal for the month (127%).



**Figure 3: 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.**