

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

Month: July
Year: 2013



Temperature:

Mean T_{\max} was 85.9 which is 0.7 degrees below the normal for the month. This ranks as the 52th warmest in the 125 year record (1889-2013) tied with 1951.

Mean T_{\min} was 59.4 degrees which is 0.9 degrees above the normal for the month. This ranks as the 12th warmest in the 125 year record (1889-2013) tied with 1977. The last July this warm was last year with 61.7 degrees (warmest on record).

Mean T_{mean} was 72.7 degrees which is 0.1 degrees above the normal for the month. This ranks as the 24th warmest in the 125 year record (1889-2013) tied with 1989. The last July this warm was last year with 76.0 degrees.

The maximum daily temperature was 98 and occurred on 11 July 2013.
The minimum daily temperature was 53 and occurred on 16 July 2013.

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

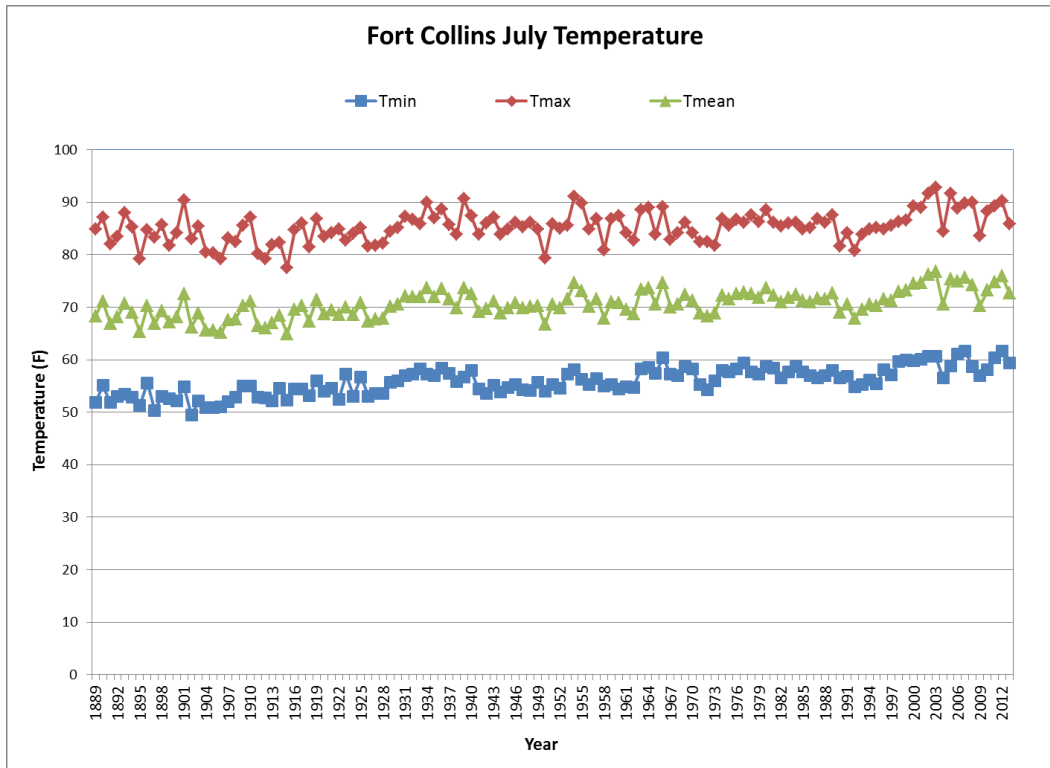


Figure 1: July temperature time series

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

Highest Minimum Temperature:

12 July 2013: The low temperature of 67 degrees broke the old record of 66 set in 1966.

15 July 2013: The low temperature of 65 degrees tied the old record set in 1977.

Precipitation and Snowfall:

Total monthly precipitation was 1.90” and was 0.19” above the normal for the month (111% of normal). This ranks as the 41st wettest in the 125 year record (1889-2013).

Water year 2013 precipitation total was 11.00” and was 2.17” below the normal for the water year through July (84% of normal). This ranks as the 52nd driest water year through July in the 124 year record (1890-2013).

Time series of July and water year precipitation are shown in figure 2.

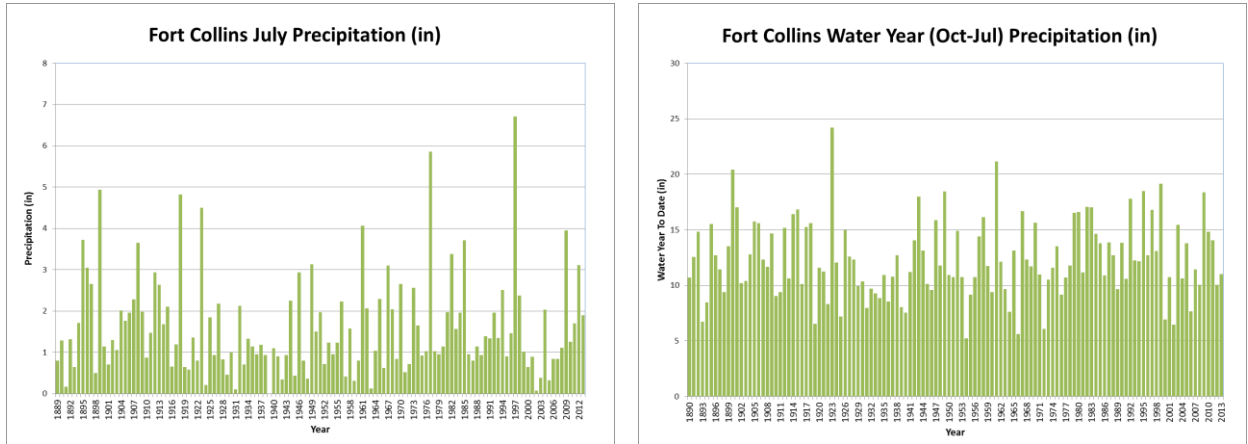


Figure 2: July (left) and water year (right) precipitation time series.

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

Wind:

In July 2013 there were 11 days with maximum wind gusts ≥ 20 mph and 0 days ≥ 30 mph.

The maximum daily wind gust for the month was 28 mph and occurred on 24 July 2013 at 15:40 MST from 190° .

Evaporation:

July 2013 pan evaporation was 6.93'' which was 0.92'' below the normal (88% of normal).