

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

**Month: July**  
**Year: 2015**



## **Temperature:**

Mean  $T_{\max}$  was 85.6° F which is 1.0 degrees below the 1981-2010 normal for the month (0.3 degrees above the 1889-2015 average). This ranks as the 59<sup>th</sup> warmest July in the 127 year record (1889-2015). The last July this warm or warmer was 2013 with 85.9° F.

Mean  $T_{\min}$  was 57.6° F which is 0.9 degrees below the 1981-2010 normal for the month (1.7 degrees above the 1889-2015 average). This ranks as the 37<sup>th</sup> warmest in the 127 year record (1889-2015). The last July this warm or warmer was 2014 with 58.7° F.

Mean  $T_{\text{mean}}$  was 71.6° F which is 1.0 degree below the 1981-2010 normal for the month (1.0 degree above the 1889-2015 average). This ranks as the 45<sup>th</sup> warmest in the 127 year record (1889-2015). The last July this warm or warmer was 2014 with 72.1° F.

**\*\* Note:** As evidence by the graphs below, Fort Collins has a very noticeable long-term warming trend. This is due, in part, to the large growth and development of the campus and surrounding city since the late 1950s. As a result it is fairly common now to be above the long-term “average” even when we are experiencing relatively cool weather with respect to the 1981-2010 30-year average (referred to as the climate “normal”). That was certainly the case this month.

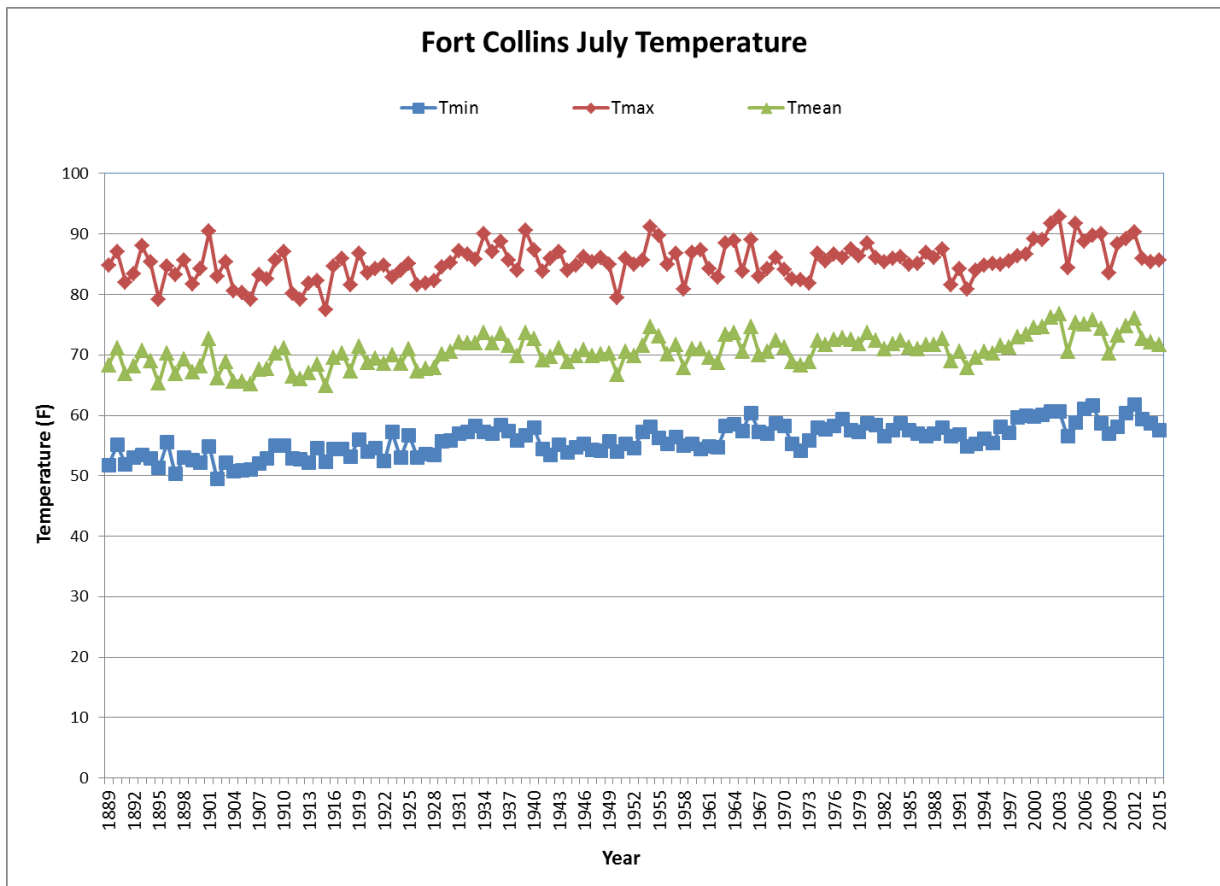


Figure 1: July temperature time series.

The maximum daily temperature was 94° F and occurred on July 4<sup>th</sup> and July 27<sup>th</sup>, 2015.

The minimum daily temperature was 53° F and occurred on July 16<sup>th</sup> and July 29<sup>th</sup>, 2015

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

***Coldest Maximum Temperature:***

*July 8<sup>th</sup>, 2015: The maximum temperature of 65° F tied the record coldest maximum for this date in 1895.*

## 90 Degree Days

As of the end of July, there have been 14 days at or above 90 degrees in calendar year 2015. The 1889-2015 average for 90 degree days through July is 13.

## Precipitation and Snowfall:

Total monthly precipitation was 1.69” and was 0.02” below the 1981-2010 normal for the month (99% of normal), 0.09” above the 1889-2015 average. This ranks as the 47<sup>th</sup> wettest in the 127 year record (1889-2015). The last July this wet or wetter was 2014 with 3.04” of precipitation.

Water year precipitation through July totaled 16.63” and was 3.46” above the 1981-2010 normal for the water year (126% of normal). This ranks as the 16<sup>th</sup> wettest water year in the 126 year record (1890-2015). The last water year this wet or wetter through July was 2009 with 18.37”.

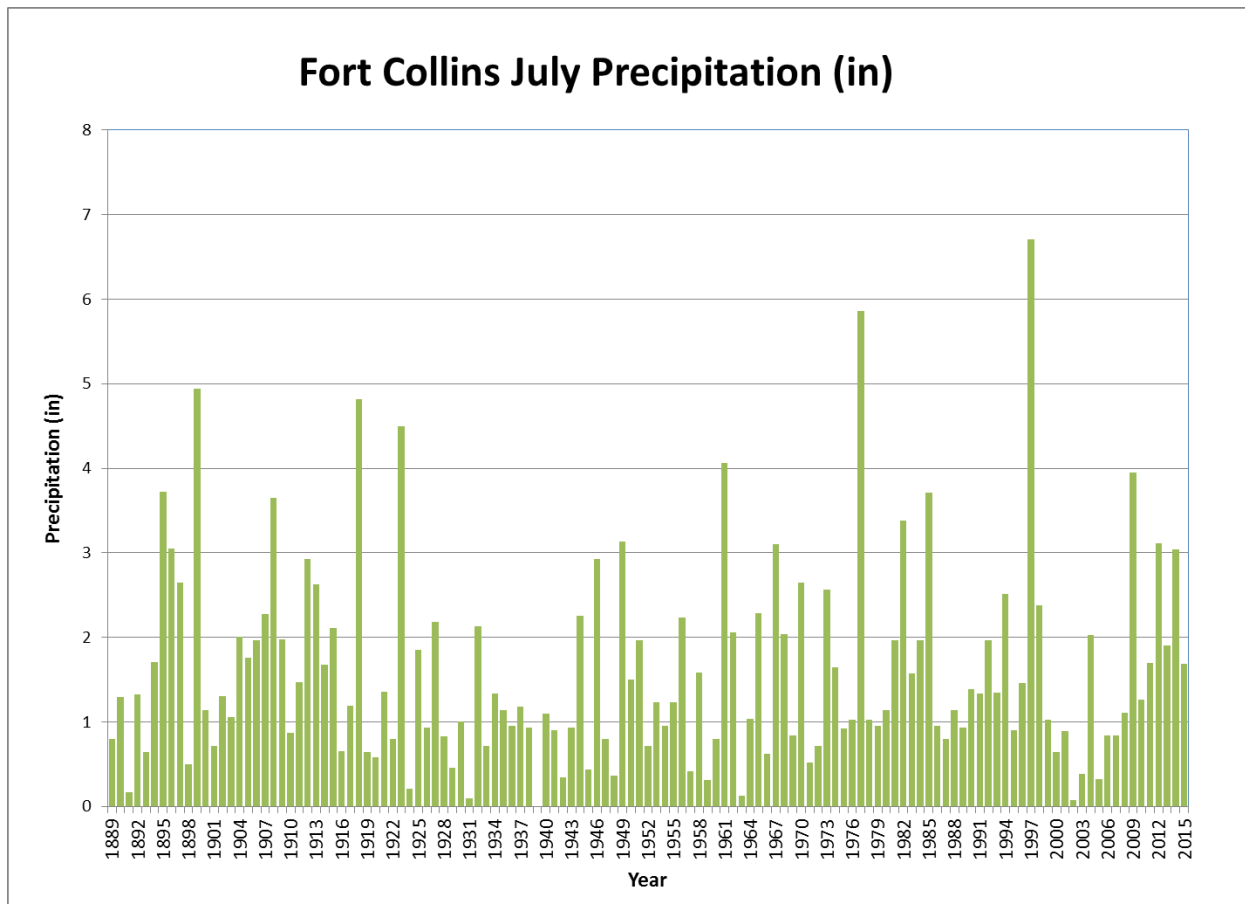


Figure 2: July precipitation time series.

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

*None*

**Wind:**

In July 2015 there were 10 days with maximum wind gusts  $\geq 20$  mph and 0 days  $\geq 30$  mph.

The maximum daily wind gust for the month was 26 mph and occurred on July 11<sup>th</sup>, 2015 at 5:30 PM MST from 200°.

**Evaporation:**

Pan evaporation for July was 6.72" which was 1.13" below the normal for July (86% of normal).