

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

Month: August
Year: 2015



Temperature:

Mean T_{\max} was 87.6°F which is 3.6° above the 1981-2010 normal for the month. This ranks as the 6th warmest August in the 127 year record (1889-2015). The last August this warm or warmer was 2012 with 88.2°F .

Mean T_{\min} was 56.3°F which is 0.4° below the 1981-2010 normal for the month (2.2° above the 1889-2015 average). This ranks as the 22nd warmest in the 127 year record (1889-2015). The last August this warm or warmer was 2013 with 57.5°F .

Mean T_{mean} was 72.0°F which is 1.5° above the 1981-2010 normal for the month. This ranks as the 11th warmest in the 127 year record (1889-2015). The last August this warm or warmer was 2013 with 72.1°F .

Summer (June, July and August) mean temperature was 71.1°F which is 1.3° above the normal for the summer season. This ranks as the 10th warmest summer in the 127 year record (1889-2015) tied with 2000. The last summer this warm or warmer was 2013 with 71.7°F .

The maximum daily temperature was 96°F and occurred on August 15th, 2015.

The minimum daily temperature was 44°F and occurred on August 19th, 2015.

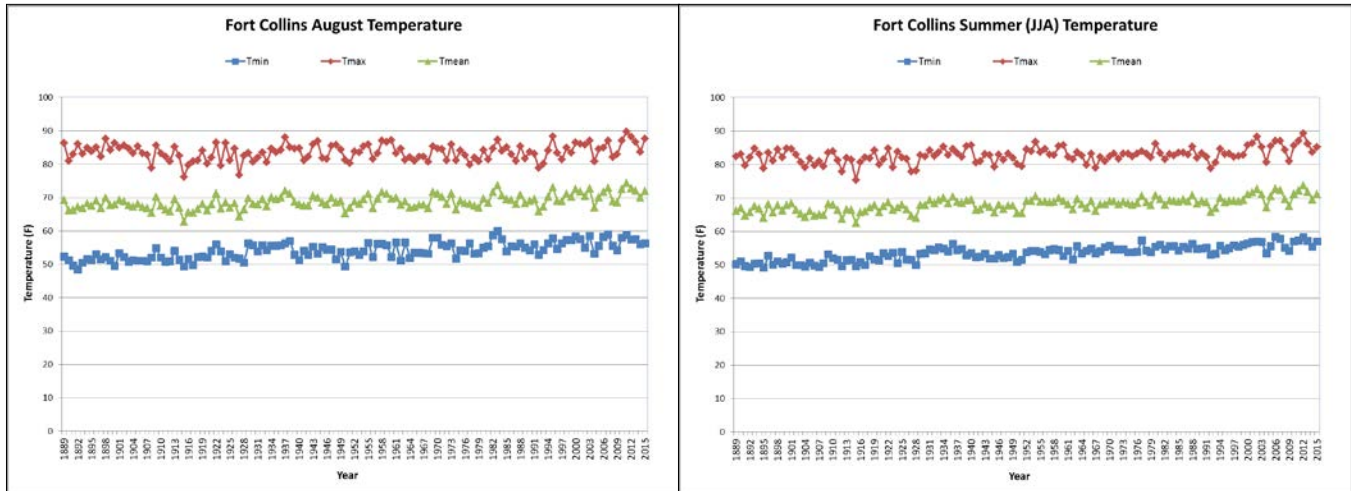


Figure 1: August (left) and summer (right) temperature time series.

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

Highest Maximum Temperature:

August 15, 2015: The maximum daily temperature of 96° tied the record set in 1892.

August 25, 2015: The maximum daily temperature of 95° broke the record of 94° set in 1897 and 2001.

Highest Minimum Temperature:

August 31, 2015: The minimum daily temperature of 67° broke a record warm minimum of 64° set in 1998.

90 Degree Days

As of the end of August, there have been 28 days at or above 90 degrees in calendar year 2015. The 1889-2015 average for 90 degree days through August is 19.

Precipitation and Snowfall:

Total monthly precipitation was 0.69” and was 0.91” below the 1981-2010 normal for the month (43% of normal). This ranks as the 43rd driest in the 127 year record (1889-2015) tied with 1928. The last August this dry or drier was 2014 with 0.58” of precipitation.

Water year precipitation through August totaled 17.32” and was 2.55” above the 1981-2010 normal for the water year through August (117% of normal). This ranks as the 22nd wettest water year through August in the 126 year record (1890-2015). The last water year this wet or wetter through August was 2009 with 18.59”.

Summer (June, July and August) precipitation was 3.93” and was 1.55 inches below the normal for the summer season (72% of normal). This ranks as the 51st driest summer in the 127 year record (1889-2015). The last summer this dry or drier was 2013 with 3.06”.

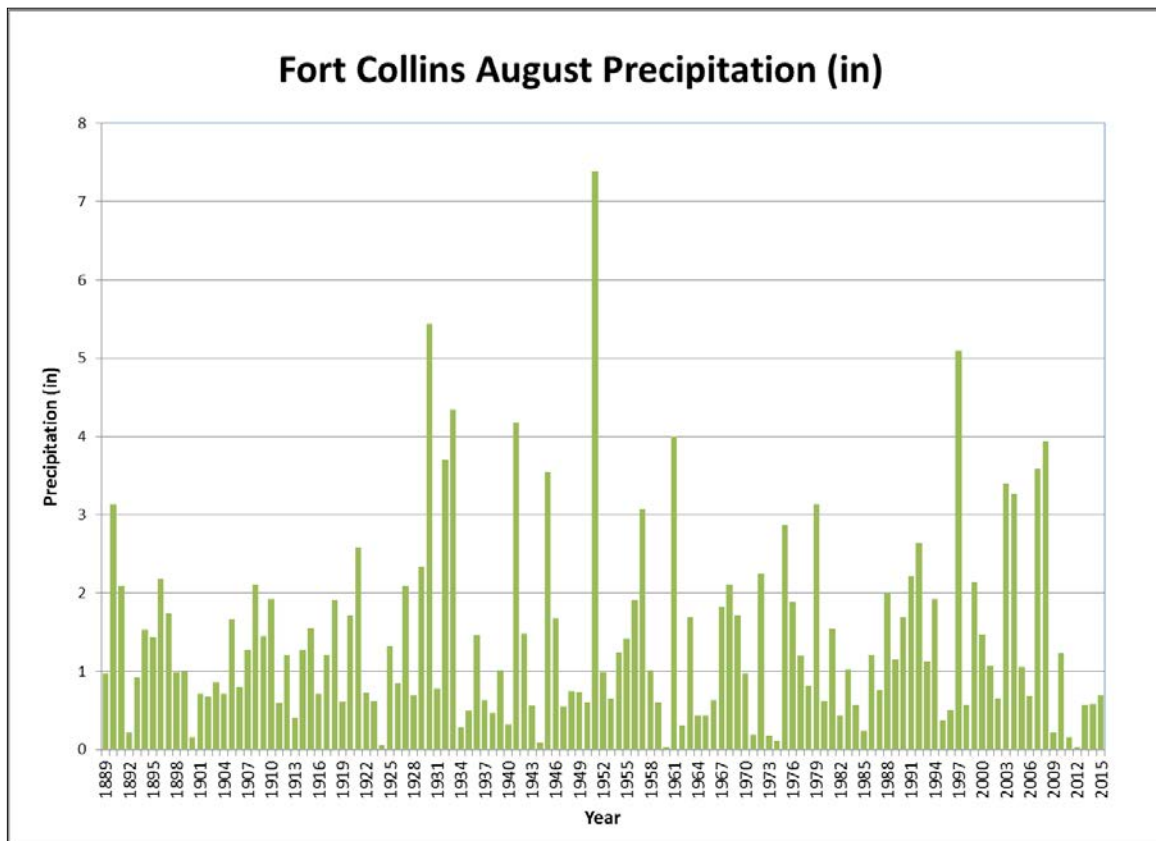


Figure 2: August precipitation time series.

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

Days with Precipitation:

6 days with measureable (0.01" or greater) precipitation

12 days with trace or greater

Wind:

In August 2015 there were 8 days with maximum wind gusts ≥ 20 mph and 0 days ≥ 30 mph.

The maximum daily wind gust for the month was 25 mph and occurred on August 10th at 3:50 PM MST from 155° and on August 16th at 12:30 AM MST from 155°.

Evaporation:

Pan evaporation for August was 6.79" which was 0.31" above the normal for August (105% of normal).