

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

Month: August
Year: 2016



Temperature:

Mean T_{\max} was 84.3°F which is 0.3° above the 1981-2010 normal for the month. This is the 54th warmest in the 128 year record (1889-2016), tied with 1899, 1936 and 1980. The last August this warm or warmer was 2015 with 87.6°F.

Mean T_{\min} was 54.9°F which is 1.8° below the 1981-2010 normal for the month (0.8° above the 128 year average). This is the 76th coolest in the 128 year record (1889-2016). The last August this cool or cooler was 2009 with 54.2°F.

Mean T_{mean} was 69.6°F which is 0.8° below the 1981-2010 normal for the month (0.7° above the 128 year average). This is the 80th coolest in the 128 year record (1889-2016), tied with 1913, 1932, 1935, 1954 and 1991. The last August this cool or cooler was 2009 with 68.6°F.

Summer (June, July and August) mean temperature was 71.8°F which is 2.0° above the normal for the summer season. This ranks as the 6th warmest summer in the 128 year record (1889-2015). The last summer this warm or warmer was 2012 with 73.8°F.

The maximum daily temperature was 96°F and occurred on August 1st. The minimum daily temperature was 47°F and occurred on August 20th, 21st and 25th.

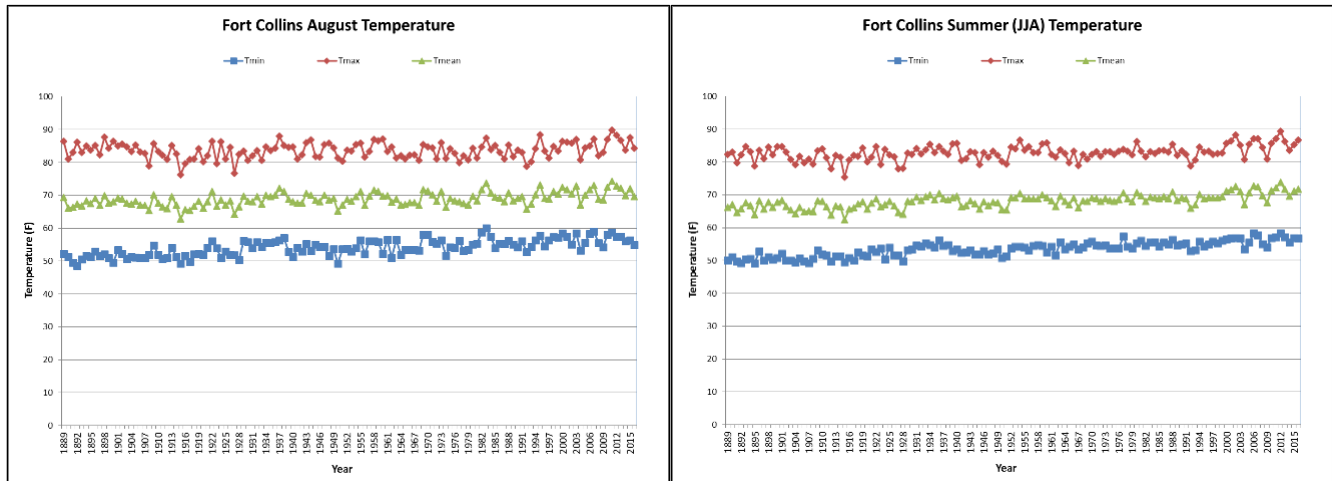


Figure 1: August (left) and summer (right) temperature time series.

Misc. Temperature (record status, thresholds, etc.):

Coldest Maximum Temperature:

August 5, 2016: The maximum daily temperature of 70° tied the coldest maximum temperature for the day set in 1977 and 1997.

90 Degree Days

Through August, there have been 32 days at or above 90°F in calendar year 2016. The 1889-2016 average for 90 degree days through August is 19.

Precipitation and Snowfall:

Total monthly precipitation is 0.76” and was 0.84” below the 1981-2010 normal for the month (48% of normal). This ranks as the 50th driest in the 128 year record (1889-2016), tied with 1987. The last August this dry or drier was 2015 with 0.69” of precipitation.

Water year precipitation through August totaled 14.49” and is 0.28” below the normal for the water year (98% of normal). This ranks as the 76th driest water year through August in the 127 year record (1890-2016). The last water year this dry or drier was 2013 with 11.57”.

Summer (June, July and August) precipitation was 1.72” and was 3.76” below normal for the season (31% of normal). This ranks as the 8th driest in the 127 year record (1890-2016). The last summer this dry or drier was 2002 with 1.48”.

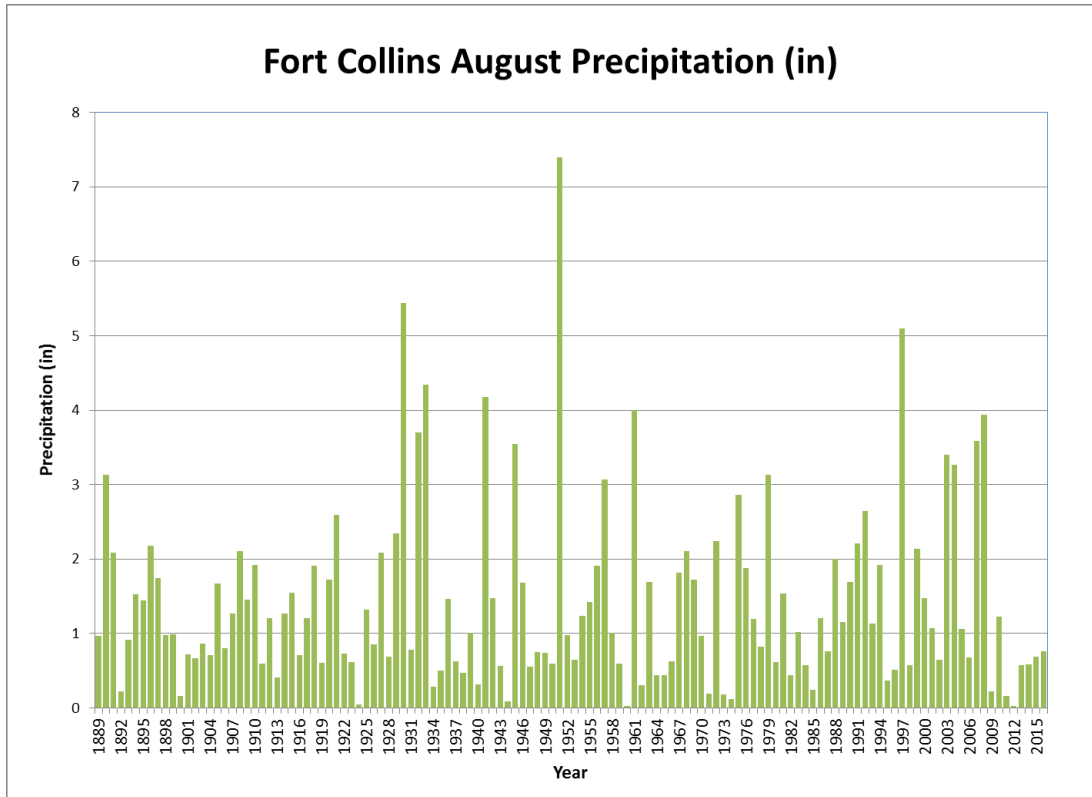


Figure 2: August precipitation time series.

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

No precipitation records for August

Wind:

In August 2016 there were 14 days with maximum wind gusts ≥ 20 mph and 4 days ≥ 30 mph.

The maximum daily wind gust for the month was 36 mph and occurred on August 10th at 13:10 MST from 220°.

Evapotranspiration:

Pan evaporation for August was 6.04'' which was 0.44'' below the normal for August (93% of normal).