

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

Month: September
Year: 2015



Temperature:

Mean T_{\max} was 83.3°F which is 7.4° above the 1981-2010 normal for the month. This is the warmest September in the 127 year record (1889-2015), beating 1892 with 82.8°F .

Mean T_{\min} was 50.9°F which is 3.4° above the 1981-2010 normal for the month. This ranks as the 3rd warmest in the 127 year record (1889-2015). Only 1998 with 51.7°F and 2013 with 52.8°F are warmer.

Mean T_{mean} was 67.1°F which is 5.4° above the 1981-2010 normal for the month. This is the warmest in the 127 year record (1889-2015), beating 1998 with 66.5°F .

The maximum daily temperature for the month was 91°F and occurred on September 1st and 2nd, 2015.

The minimum daily temperature for the month was 40°F and occurred on September 19th, 2015.

Water year 2015 mean temperature was 51.7°F which is 1.4 degrees above the normal for the water year. This ranks as the 5th warmest in the 126 year record (1890-2015). The last water year this warm or warmer was 2012 with 53.4°F .

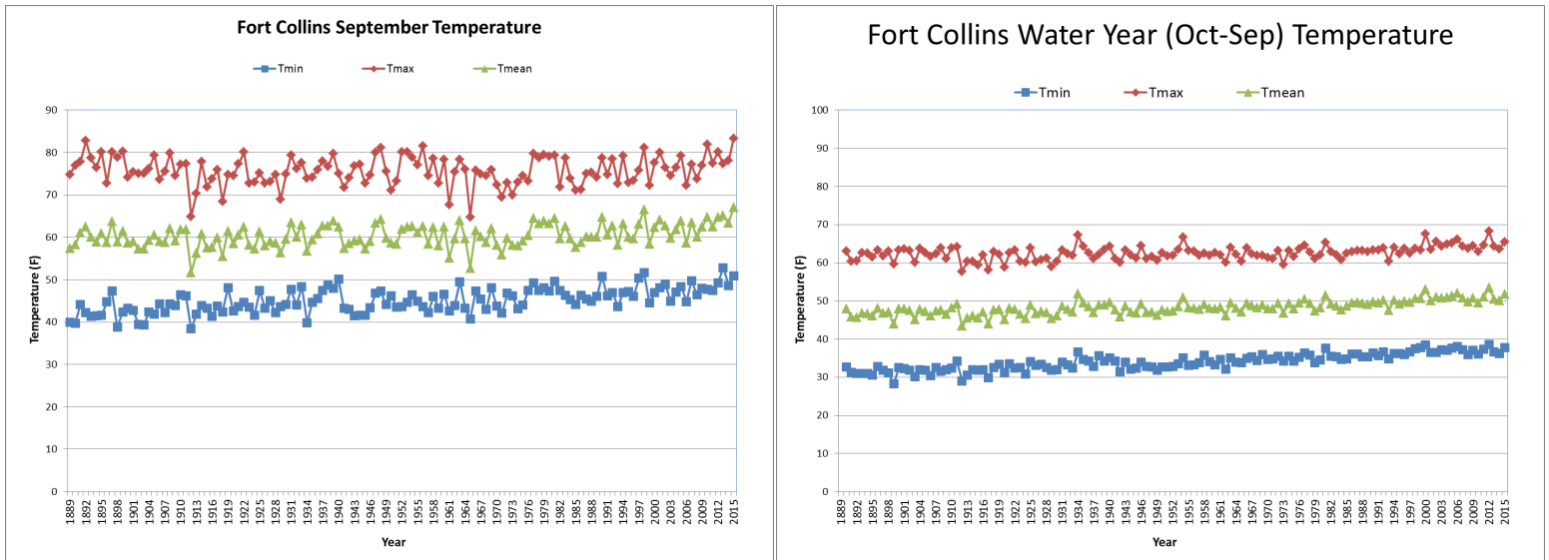


Figure 1: September (left) and water year (right) temperature time series.

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

Highest Maximum Temperature:

September 27, 2015: The maximum daily temperature of 90° tied the record set in 1898 and 2001.

Highest Minimum Temperature:

September 15, 2015: The minimum daily temperature of 60° broke the record warm minimum of 58° set in 1910.

90 Degree Days

September 2015 had 4 days at or above 90°. This brings our total for the year to 32 days at or above 90°. The last 90° degree day this year was September 27. This is the 2nd latest a 90° day has occurred, along with 1898 and 2001. The latest day above 90° was September 28, 2011, with 91°.

Precipitation and Snowfall:

Total monthly precipitation was 0.20” and was 1.13” below the 1981-2010 normal for the month (15% of normal). This ranks as the 20th driest in the 127 year record (1889-2015). The last September this dry or drier was 2010 with 0.06” of precipitation.

Water Year 2015 (October 2014 – September 2015) precipitation totaled 17.51” and was 1.41” above the 1981-2010 normal water year total (109% of normal). This ranks as the 32nd wettest water year in the 126 year record (1890-2015). The last water year this wet or wetter was 2013 with 17.66”.

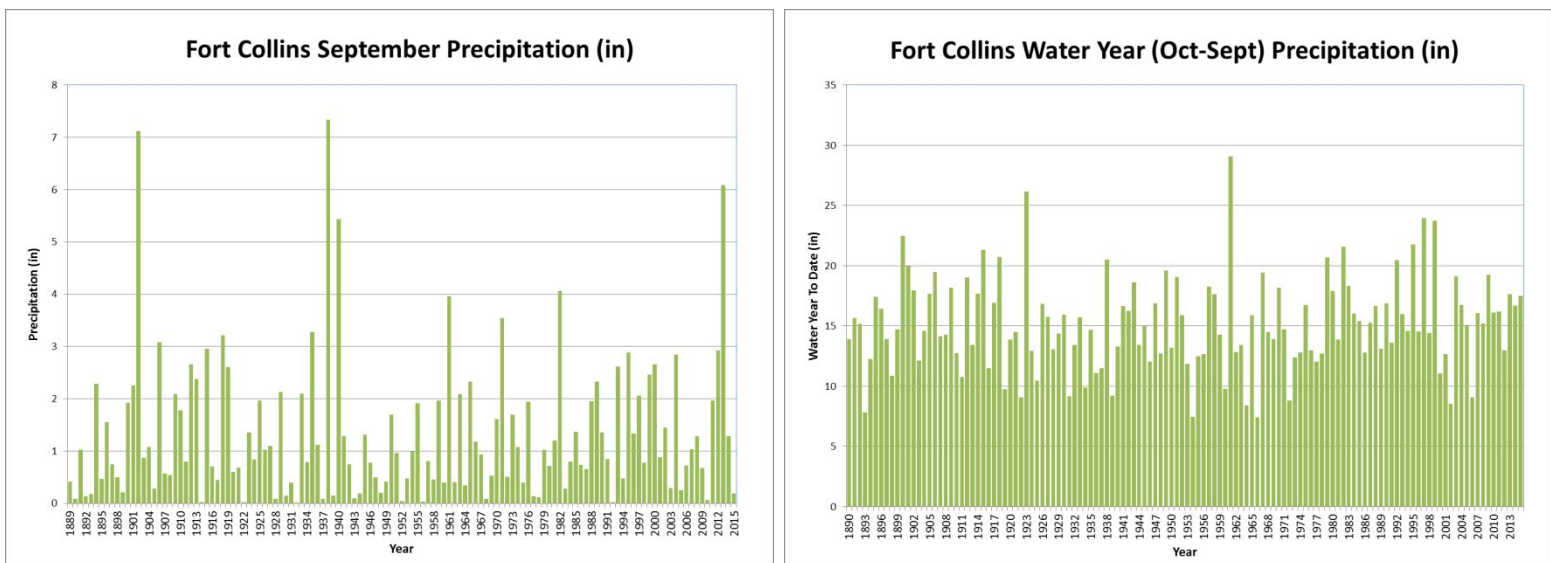


Figure 2: September 2015 (left) and Water Year 2015 (right) precipitation time series.

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

Days with Precipitation:

3 days with measureable (0.01” or greater) precipitation

7 days with trace or greater

Evaporation:

Pan evaporation for September was 5.36” which was 0.45” above the normal for September (109% of normal).

No wind information due to missing wind data this month.