

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

Month: May
Year: 2014



Temperature:

Mean T_{\max} was 70.9 which is 0.2 degrees below the normal for the month. This ranks as the 50th warmest in the 126 year record (1889-2014) tied with 1948.

Mean T_{\min} was 45.0 degrees which is 0.5 degrees above the normal for the month. This ranks as the 19th warmest in the 126 year record (1889-2014) tied with 1956. The last May this warm or warmer was 2009 with 46.5 degrees.

Mean T_{mean} was 58.0 degrees which is 0.2 degrees above the normal for the month. This ranks as the 30th warmest in the 126 year record (1889-2014) tied with 1993. The last May this warm or warmer was 2013 with 58.2 degrees.

The maximum daily temperature was 87 and occurred on 28 May 2014. The minimum daily temperature was 29 and occurred on 13 May 2014.

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

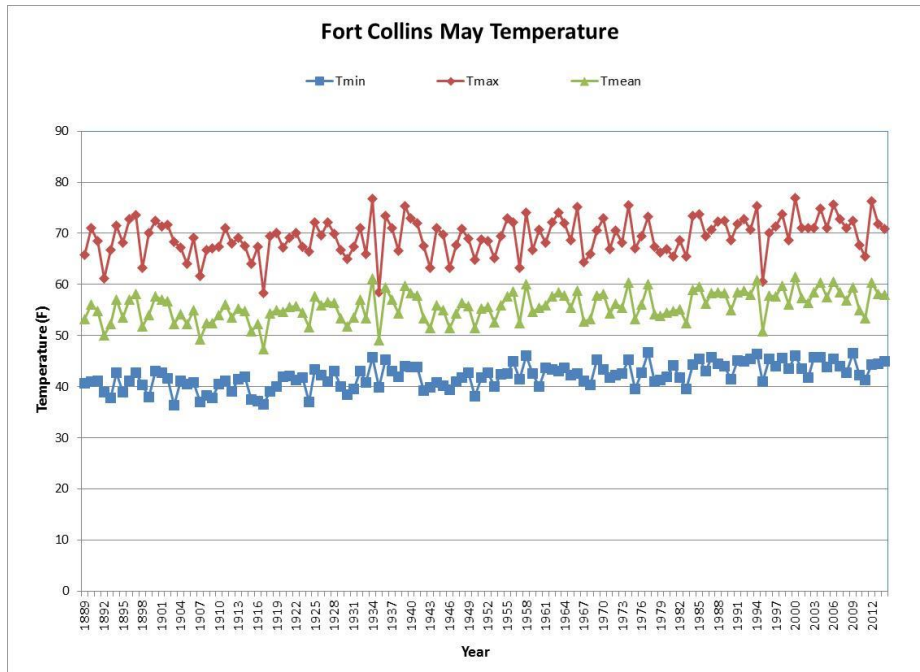


Figure 1: May temperature time series

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

Highest Minimum Temperature:

20 May 14 – Minimum temperature of 56 tied the record set in 1932 and 2009.

30 May 14- Minimum temperature of 60 broke the record of 58 set in 1961.

Precipitation and Snowfall:

Total monthly precipitation was 4.76” and was 2.33” above the normal for the month (196% of normal). This ranks as the 16th wettest in the 126 year record (1889-2014). The last May this wet was 1995 with 7.47”.

Water year 2014 precipitation was 10.83” and was 1.54” above the normal for the water year through May (117% of normal). This ranks as the 29th wettest water year in the 125 year record (1890-2014). The last water year this wet was 2010 with 11.60”.

Total monthly snowfall was 5.6” and was 4.9” above the normal for the month (800% of normal). This ranks as the 10th snowiest May in the 126 year record (1889-2014). The last May with this amount of snow or more was 2013 with 12.9” of snowfall.

Seasonal snowfall was 49.9” which was 5.9” below the normal for the season through May (89% of normal). This ranks as the 54th snowiest season in the 125 year record (1890-2014) tied with 1903, 1955 and 2012.

Time series of May precipitation and snowfall are shown in figure 2.

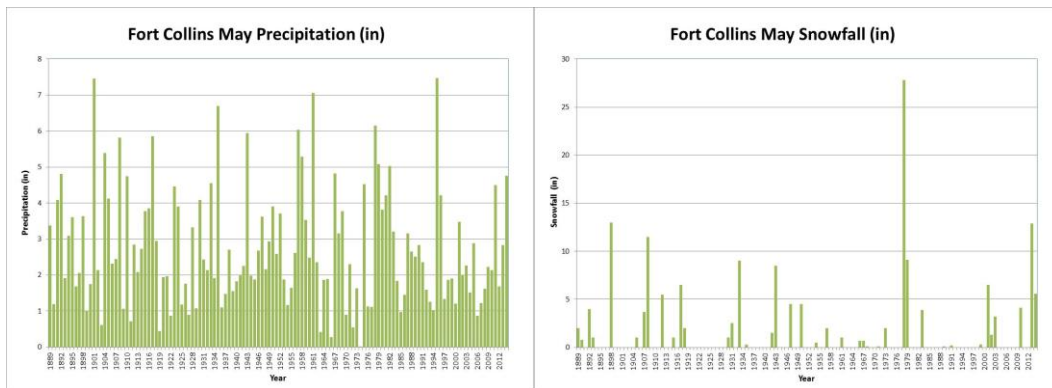


Figure 2: May precipitation (left) and snowfall (right) time series.

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

Precipitation

11 May 14: Daily precipitation of 1.97” breaks the old record of 1.13” set in 2005.

Snowfall

11 May 14: Daily snowfall of 3.8” breaks the old record of 2.0” set in 1918.

Wind:

In May 2014 there were 14 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 1 May 2014 at 14:00 MST from 320°.

Evaporation:

Pan evaporation for the month was 5.40” which is 0.52” below the normal (91% of normal) for May.