

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

Month: March
Year: 2013



Temperature:

Mean T_{\max} was 53.4 which is 1.3 degrees below the normal for the month. This ranks as the 49th warmest in the 125 year record (1889-2013).

Mean T_{\min} was 26.3 degrees which is 1.9 degrees below the normal for the month. This ranks as the 41st warmest in the 125 year record (1889-2013).

Mean T_{mean} was 39.9 degrees which is 1.6 degrees below the normal for the month. This ranks as the 49th warmest in the 125 year record (1889-2013).

The maximum daily temperature was 76 and occurred on 15 March 2013. The minimum daily temperature was 8 and occurred on 24 March 2013.

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

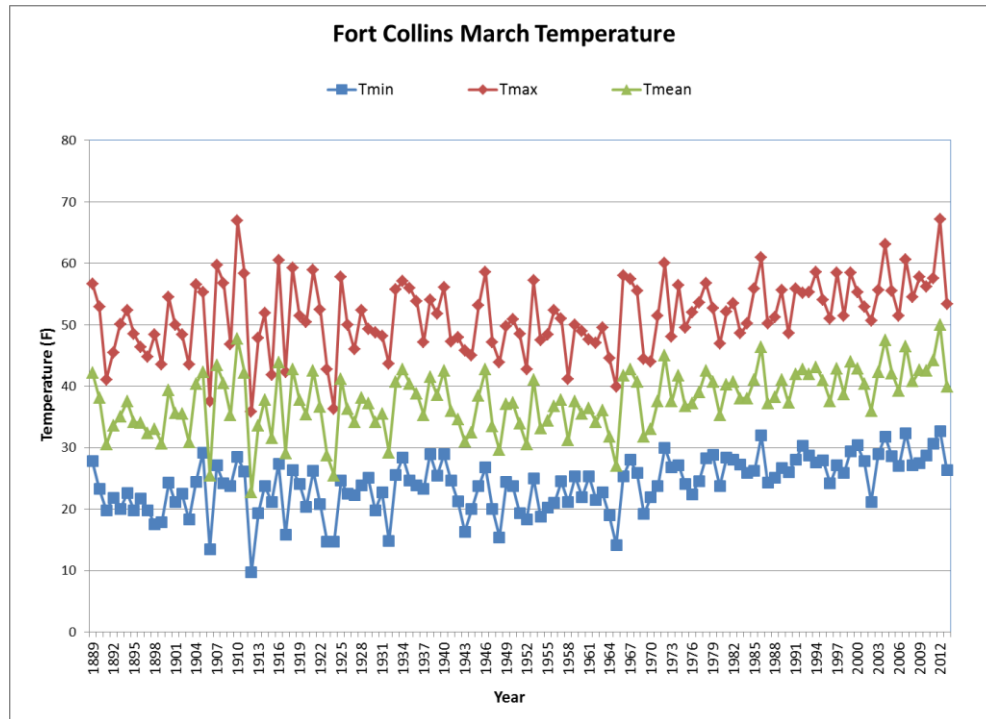


Figure 1: March temperature time series

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

Highest Maximum Temperature:

15 March 2013: High temperature of 76 breaks the old record of 72 set in 1908.

Precipitation and Snowfall:

Total monthly precipitation was 0.98” and was 0.61” below the normal for the month (60% of normal). This ranks as the 60th wettest in the 125 year record (1889-2013).

Water year 2013 precipitation total was 2.84” and was 1.96” below the normal for the water year through March (59% of normal). This ranks as the 29th driest start to the water year in the 124 year data record (1890-2013) tied with 1904. The last water year to start this dry was 2009 with 2.72”.

Total monthly snowfall was 12.7” which is 0.1” above the normal for the month (101% of normal). This ranks as the 41st snowiest March in the 125 year record (1889-2013).

Seasonal snowfall was 36.9” which is 12.0” below the normal for the season (76% of normal). This ranks as the 60th least snowy season in the 124 year snow season record (1890-2013).

Time series of March and water year precipitation are shown in Figure 2.

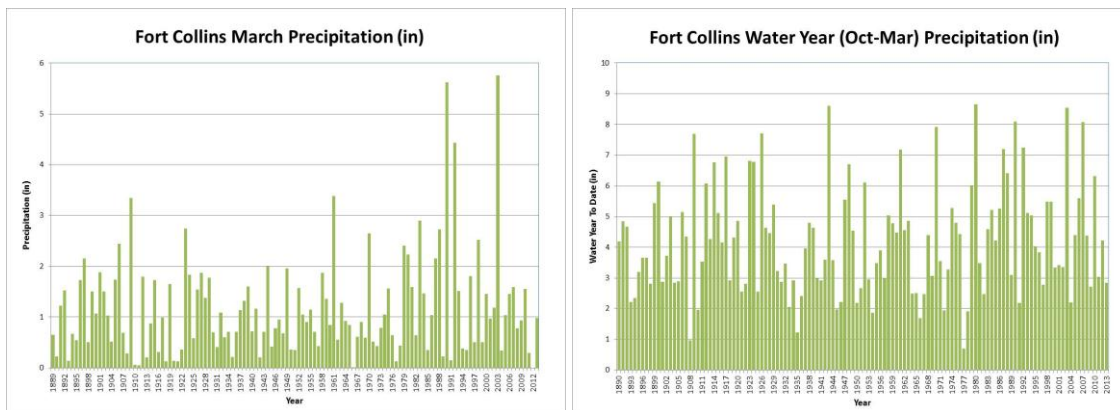


Figure 2: February (left) and water year (right) precipitation time series

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

Maximum Daily Snowfall:

23 March 2013: Daily snowfall of 6.7” breaks the old daily snowfall record of 6.0” set in 2010.

Wind:

In March 2013 there were 14 days with maximum wind gusts ≥ 20 mph and 1 days ≥ 30 mph.

The maximum daily wind gust for the month was 32 mph and occurred on 17 March 2013 at 15:40 MST from 280°.