

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

Month: April
Year: 2014



Temperature:

Mean T_{\max} was 64.1 which is 1.9 degrees above the normal for the month. This ranks as the 24th warmest in the 126 year record (1889-2014). The last April this warm or warmer was 2012 with 69.6 degrees.

Mean T_{\min} was 36.3 degrees which is 0.8 degrees above the normal for the month. This ranks as the 18th warmest in the 126 year record (1889-2014) tied 1978 and 2010. The last April this warm or warmer was 2012 with 40.0 degrees.

Mean T_{mean} was 50.2 degrees which is 1.3 degrees above the normal for the month. This ranks as the 21st warmest in the 126 year record (1889-2014). The last April this warm or warmer was 2012 with 54.8 degrees.

The maximum daily temperature was 80 and occurred on 18 April 2014.
The minimum daily temperature was 18 and occurred on 14 April 2014.

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

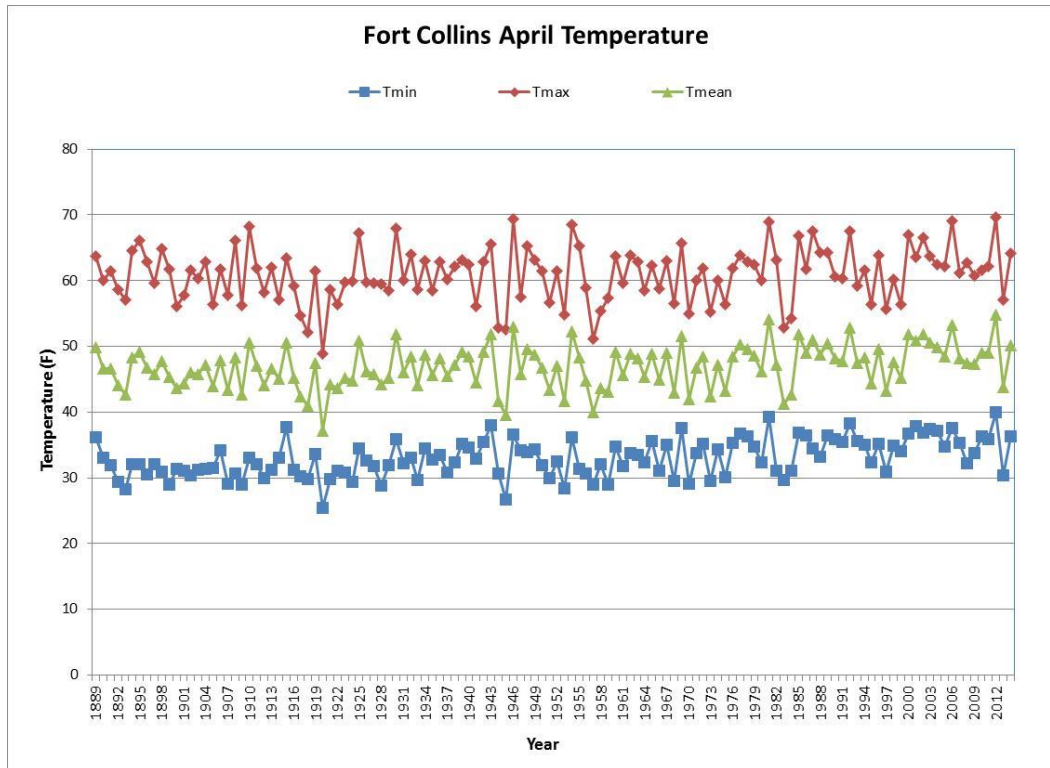


Figure 1: April temperature time series

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

None

Precipitation and Snowfall:

Total monthly precipitation was 0.62” and was 1.44” below the normal for the month (30% of normal). This ranks as the 14th driest in the 126 year record (1889-2014). The last April this dry or drier was 2012 with 0.40”.

Water year 2014 precipitation was 6.07” and was 0.79” below the normal for the water year through April (89% of normal). This ranks as the 61st wettest water year in the 125 year record (1890-2014).

Total monthly snowfall was 3.3” and was 2.9” below the normal for the month (53% of normal). This ranks as the 55th least snowy April in the 126 year record (1889-2014) tied with 1936. The last April with this amount of snow or less was 2012 with just a Trace of snowfall.

Seasonal snowfall was 44.3” which was 10.8” below the normal for the season through April (80% of normal). This ranks as the 59th least snowy season in the 125 year record (1890-2014). The last season with this little snow by April was 2011 with 23.7”.

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

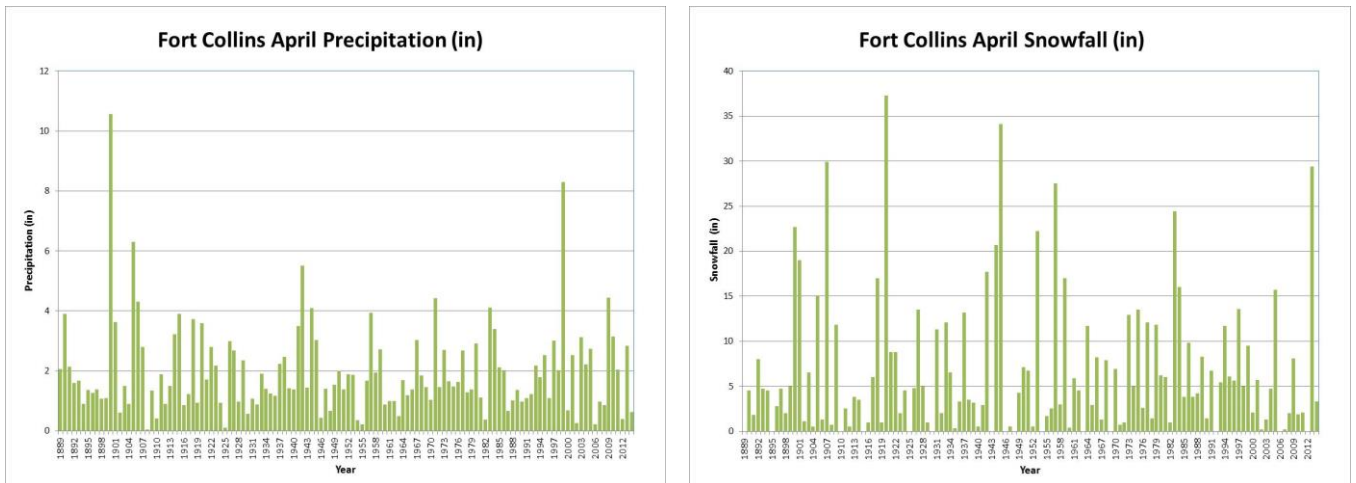


Figure 2: April precipitation (left) and snowfall (right) time series.

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

None.

Wind:

In April 2014 there were 19 days with maximum wind gusts ≥ 20 mph and 7 days ≥ 30 mph.

The maximum daily wind gust for the month was 37 mph and occurred on 28 April 2014 at 9:30 MST from 300°.

Figure 3 provides an additional wind analysis for this month. The graphic below shows the normal (1992-2014) and 2014 daily wind run (miles) from the FTC01 CoAgMet station located in NW Fort Collins. Note the much above normal wind conditions for the last 4 days of April 2014. The wind measurement at this station is taken at 2 meters (6 feet).

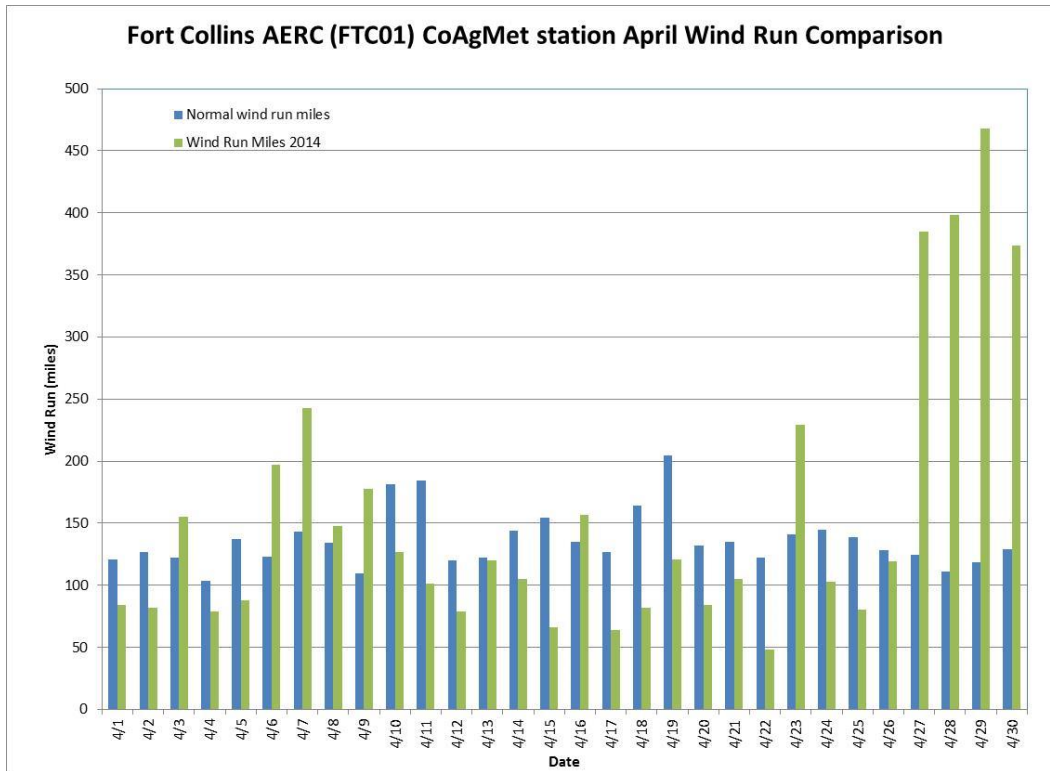


Figure 3: Normal and 2014 daily wind run (miles) statistics for FTC01 CoAgMet station illustrating the high winds from the last few days of April 2014.