

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

Month: February
Year: 2015



Temperature:

Mean T_{\max} was 49.5°F which is 3.0 degrees above the normal for the month. This ranks as the 28th warmest in the 127 year record (1889-2015). The last February this warm or warmer was 2009 with 52.1°F .

Mean T_{\min} was 22.8°F which is 1.9 degrees above the normal for the month. This ranks as the 12th warmest in the 127 year record (1889-2015) tied with 1930, 1957, 1976, and 1983. The last February this warm or warmer was 2009 with 23.6°F .

Mean T_{mean} was 36.2°F which is 2.5 degrees above the normal for the month. This ranks as the 18th warmest in the 127 year record (1889-2015). The last February this warm or warmer was 2009 with 37.9°F .

Winter (DJF) mean temperature was 34.2°F which is 2.5 degrees above the normal for the season. This winter ranks as 8th warmest in the 126 year record (1890-2015). The last winter this warm or warmer was 2005 with 34.6°F .

The maximum daily temperature was 71°F and occurred on 7 February 2015. The minimum daily temperature was 3°F and occurred on 23 February 2015.

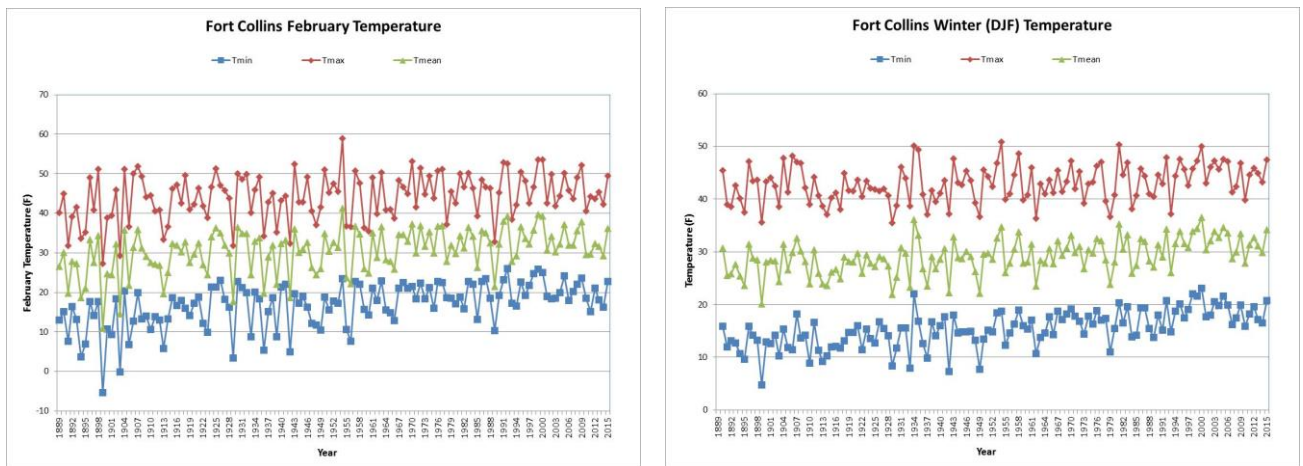


Figure 1: February and Winter temperature time series.

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

Highest Maximum Temperature:

6 February 2015: The maximum temperature of 63F broke the previous record of 62F set in 1898, 1944, 1987, and 2009.

7 February 2015: The maximum temperature of 71F broke the previous record of 68F set in 1987.

Highest Minimum Temperature:

8 February 2015: The minimum temperature of 47F broke the previous record of 43 set in 1951.

10 February 2015: The minimum temperature of 42F broke the previous record of 41F set in 1951.

11 February 2015: The minimum temperature of 36 tied the previous record set in 1962.

Precipitation and Snowfall:

Total monthly precipitation was 1.09” and was 0.69” above the normal for the month (273% of normal). This ranks as the 12th wettest in the 127 year record (1889-2015). The last February this wet or wetter was 1987 with 1.28”.

Water year precipitation through February totaled 3.52” and was 0.31” above the normal for the water year (110% of normal). This ranks as the 46th wettest water year in the 126 year record (1890-2015). The last water year this wet by the end of February was last year (2014) with 4.08”.

Winter (DJF) precipitation was 1.84” and was 0.54” above the normal for the season (142%). This ranks as the 26th wettest winter in the 126 year record (1890-2015) tied with 1900, 1902 and 1940. The last winter this wet was last year (2014) with 2.18”

Total monthly snowfall was 17.0” and was 10.1” above the normal for the month (246% of normal). This ranks as the 6th snowiest February in the 127 year record (1889-2015). The last February with this much snowfall was 1923 with 19.7”. The six highest February snowfall totals are shown below:

Year	Feb Snowfal (in)
1911	25.7
1912	23.1
1903	21.3
1923	19.7
1917	18.4
2015	17

Seasonal snowfall is 34.4” which is 1.9” below the normal for the season through February (95% of normal). This ranks as the 41st snowiest season in the 126 year record (1890-2015) ties with 1937. The last snow season with this much snowfall by the end of February was last year (2014) with 36.5”.

Winter (DJF) snowfall was 29.2” which is 6.0” above the normal for the season (126% of normal). This ranks as the 23rd snowiest winter season in the 126 year record (1890-2015). The last winter this snowy was last year (2014) with 30.2”.

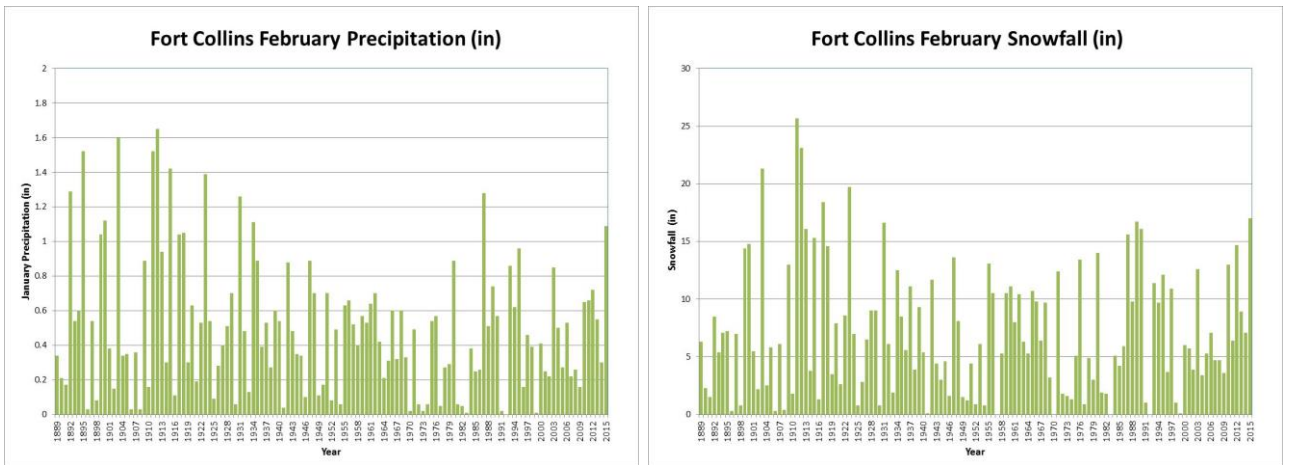


Figure 2: February precipitation (left) and snowfall (right) time series.

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

For snow season 2014-2015, Fort Collins has experienced 41 days with snow depth $\geq 1''$ compared to the normal of 39 days by the end of February.

Wind:

In February 2015 there were 12 days with maximum wind gusts ≥ 20 mph and 0 days ≥ 30 mph.

The maximum daily wind gust for the month was 29.8 mph and occurred on 8 February 2015 at 9:00 MST from 288° .