

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

Month: June
Year: 2020



Don't forget to stop and smell the roses! Picture courtesy of Nolan Doesken.

Temperature:

Mean T_{\max} was 85.0°F which is 4.6° above the 1981-2010 normal for the month. This is the 11th warmest in the 132-year record (1889-2020). The last June this warm or warmer was 2018 with 86.4°F.

Mean T_{\min} was 54.0°F which is 1.4° above the 1981-2010 normal for the month. This is the 15th warmest in the 132-year record (1889-2020), tied with 1997. The last June this warm or warmer was 2018 with 55.1°F.

Mean T_{mean} was 69.5°F which is 3.0° above the 1981-2010 the normal for the month. This is the 12th warmest in the 132-year record (1889-2020). The last June this warm or warmer was 2018 with 70.8°F.

The maximum daily temperature for the month was 94°F and occurred on June 5, 2020.

The minimum daily temperature for the month was 42°F and occurred on June 9, 2020.

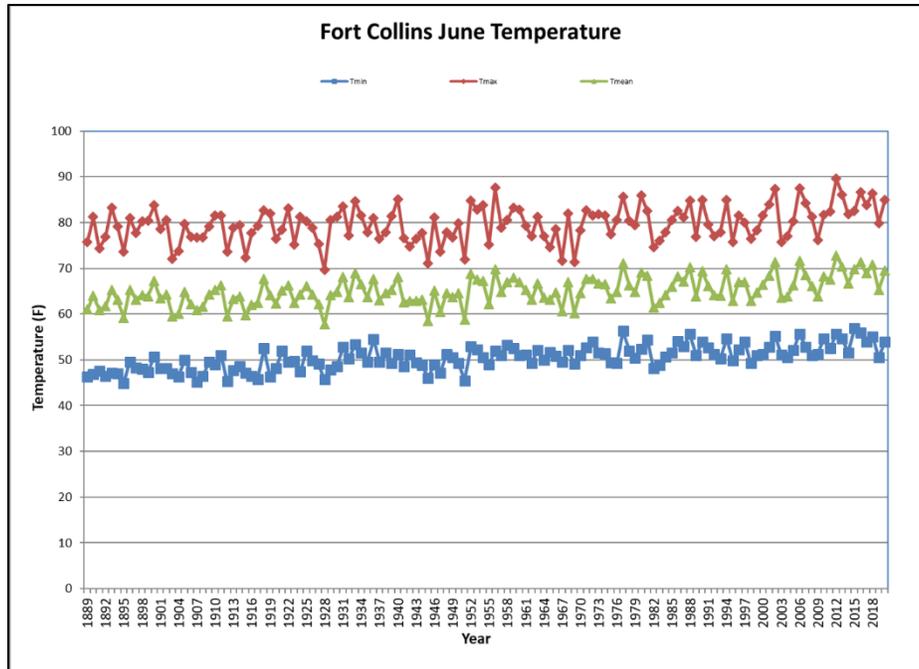


Figure 1: June temperature time series.

Misc. Temperature (record status, thresholds, etc.):

Maximum Daily Temperature:

June 1, 2020: The maximum temperature of 94°F broke the previous record maximum temperature for the day of 91°F set in 1940.

Warmest Minimum Daily Temperature:

June 2, 2020: The minimum temperature of 60°F beat the previous warmest minimum temperature for the day of 59°F set in 1998 and 2002.

90F Degree Days:

June 2020 had 9 days at or above 90F. The average number of days in the 90s for June is 4.

The first 90F day of the year occurred on June 1st. This is the 16th earliest first 90F day.

Precipitation and Snowfall:

Total monthly precipitation was 1.33” which is 0.84” below the 1981-2010 normal for the month (61% of normal). This ranks as the 57th driest in the 132-year record (1889-2020), tied with 1950. The last June this dry or drier was 2018 with 1.22” of precipitation.

Water year precipitation through June totaled 10.87” which is 0.59” below the 1981-2010 normal for the water year (95% of normal). This ranks as the 76th driest start to a water year in the 131-year record (1890-2020), tied with 1993. The last water year this dry or drier through June was 2017 with 10.36” of precipitation.

Seasonal snowfall for the 2020 season (July 2019 – June 2020) totaled 73.9” which is 18.1” above the 1981-2010 normal for the season (132% of normal). This ranks as the 12th snowiest season in the 131-year record (1890-2020). The last season with this much snowfall or more was 2010 with 88.7” of snowfall.

June had 10 days with measurable precipitation (≥ 0.01 ”) and 9 days with a trace of precipitation (less than 0.01”)

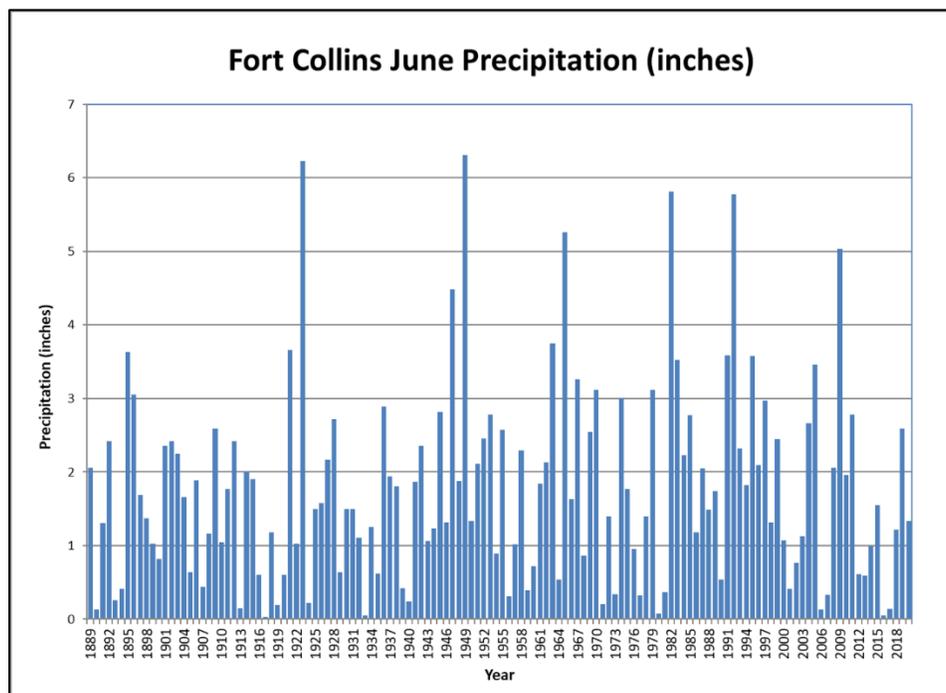


Figure 2: June precipitation time series.

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

No precipitation records for June.

The highest one-day precipitation total for June 2020 was 0.57” falling on June 9th.

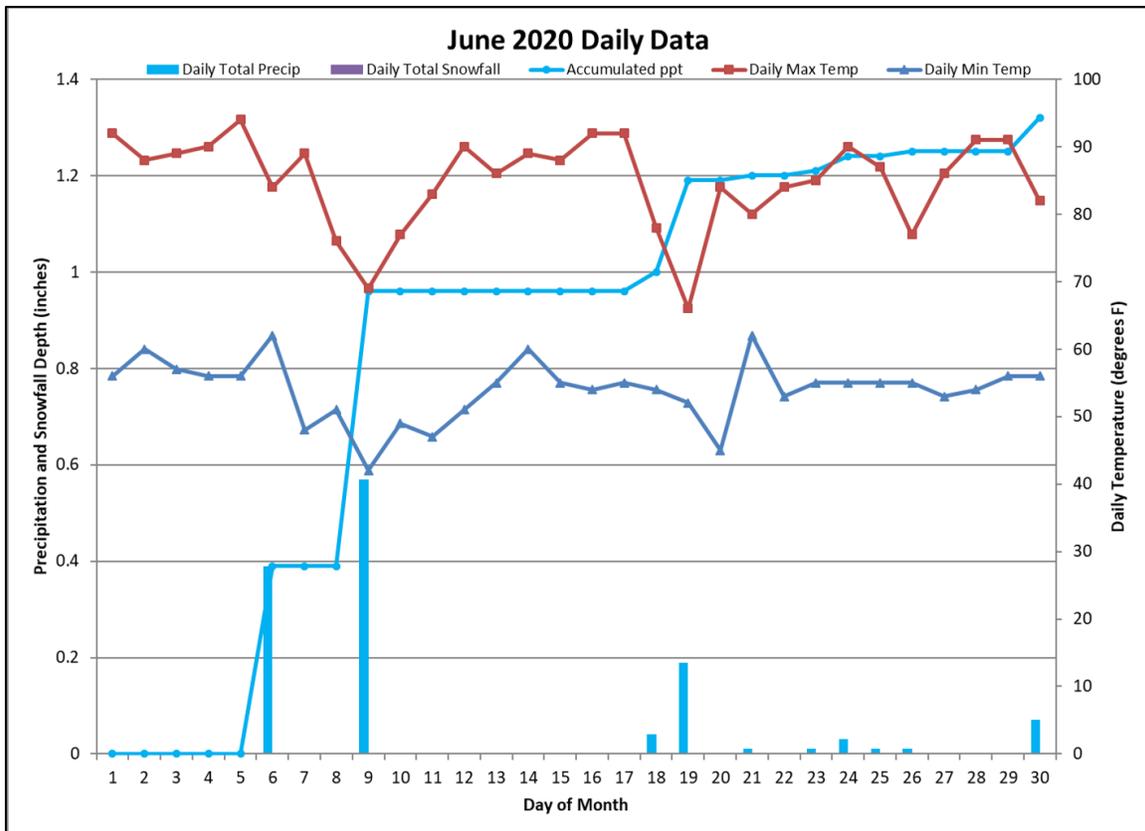


Figure 3: Daily Data for June 2020. Precipitation and temperature both show up on this graph. The y-axis on the left is for precipitation and snowfall. The y-axis on the right is for temperature.

Wind:

In June 2020 there were 13 days with maximum wind gusts ≥ 20 mph and 3 days ≥ 30 mph.

The maximum daily wind gust for the month was 33 mph and occurred on June 5, 2020 at 6:06 PM MST from 300° (NW).

Evaporation:

Pan evaporation for June 2020 totaled 7.56" which is 0.45" above the normal for June (106% of normal).

Speaking of wind...

On June 6, Colorado experienced a very rare derecho that generated winds of over 100 miles per hour in some areas. What is a derecho you may ask? Read a very well written explanation and summary regarding this weather phenomenon from Russ Schumacher, Colorado State Climatologist and Director of the Colorado Climate Center: <https://source.colostate.edu/what-is-a-derecho-an-atmospheric-scientist-explains-these-rare-but-dangerous-storm-systems/>

This storm only brought a maximum gust of 26 miles per hour on the 6th, not even the peak gust of the month. However, there was still plenty of tree damage that occurred from this storm and a windy few days following the storm. Hopefully your trees, houses, cars and fences survived the wind!