

Fort Collins Weather Station Monthly Summary

August 2025



Photo Credit: Allie Mazurek



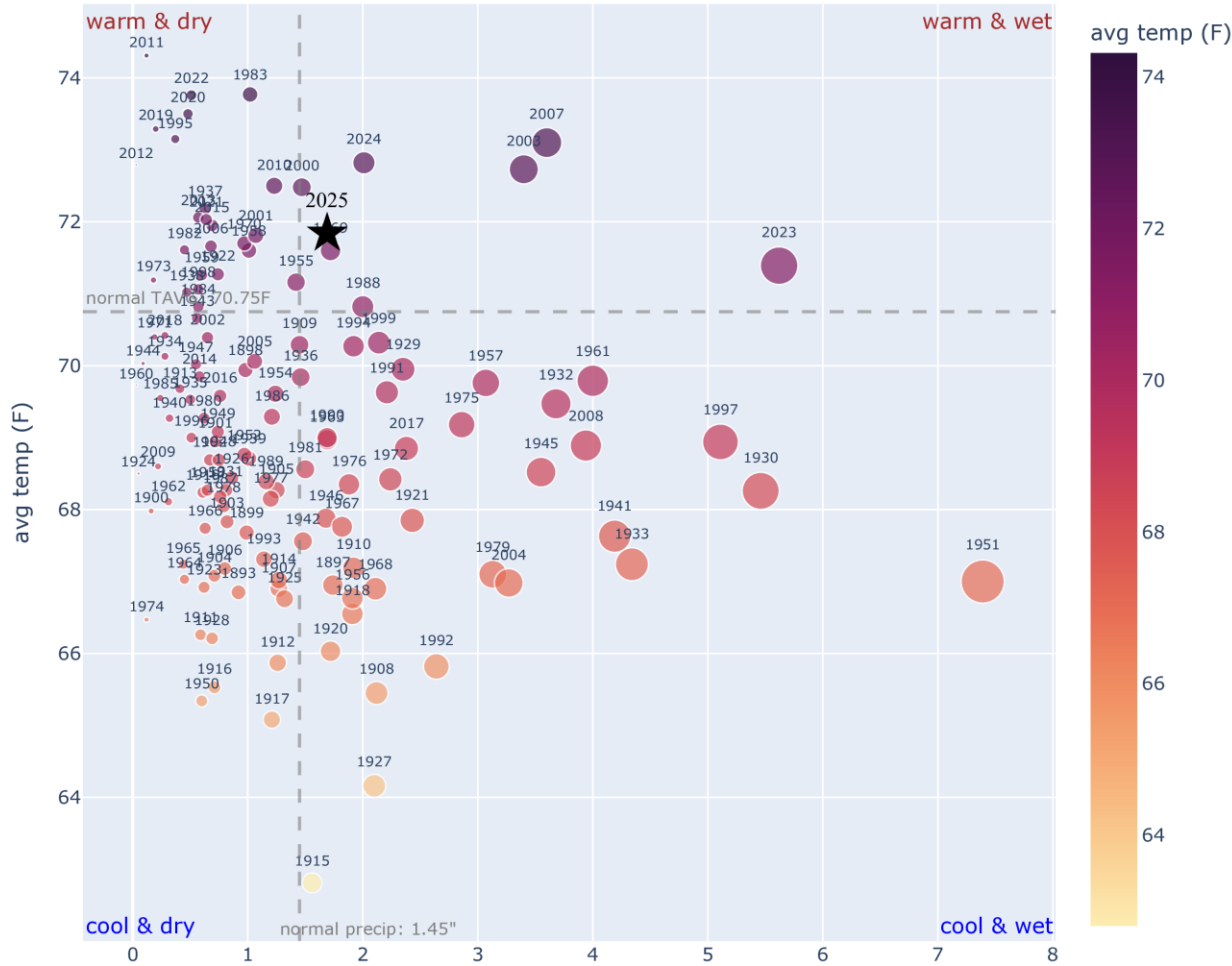
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Average August Temperature and Precipitation

FORT COLLINS temperature and precipitation, August 1 - August 31



size of points proportional to precip, color shows temperature
 normals are 1991-2020
 years with fewer than 3 missing days shown

accumulated precipitation (inches)

Russ Schumacher/Colorado Climate Center/CSU
 Data source: ACIS

The average air temperature for August 2025 was 72.0 °F, 1.3 °F above our 1991-2020 August normal (70.7 °F)

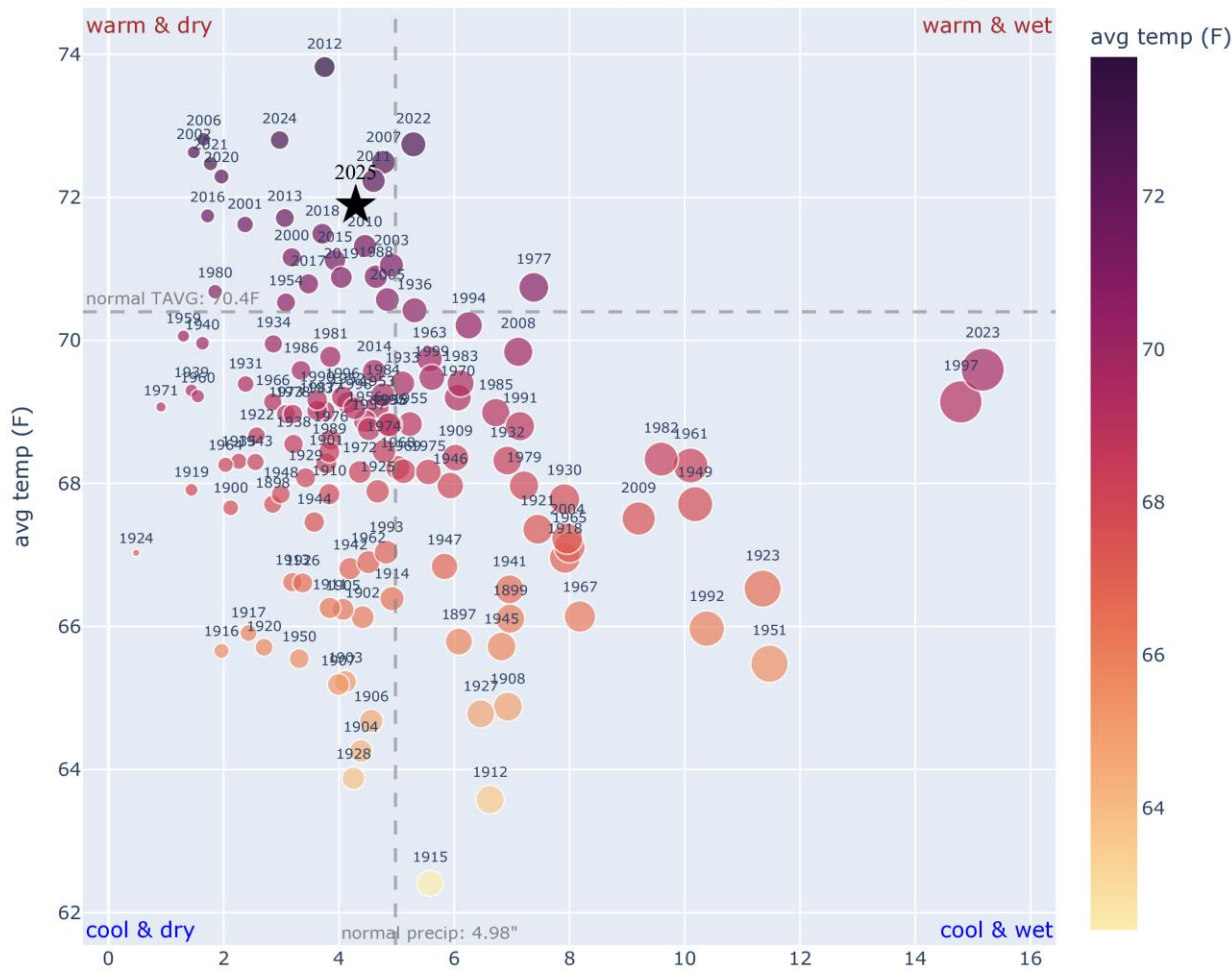
The last warmer August was 2024 (72.8 °F)

We received 1.69" of precipitation in August 2025, 117% of our 1991-2020 August normal (1.45"). The last wetter August was 2024 (2.01")



Summer 2025 Temperature and Precipitation

FORT COLLINS temperature and precipitation, June 1 - August 31



The average air temperature for June-August 2025 was 71.9 °F. This is 1.5 °F warmer than the 1991-2020 normal (70.4 °F)

The last warmer June-August was 2024 (72.8 °F)

We received 4.19" of precipitation this June-August. This is 84% of our 1991-2020 normal (4.98")

The last drier June-August was 2024 (2.97")

size of points proportional to precip, color shows temperature, normals are 1991-2020, years with fewer than 9 missing days shown

accumulated precipitation (inches)

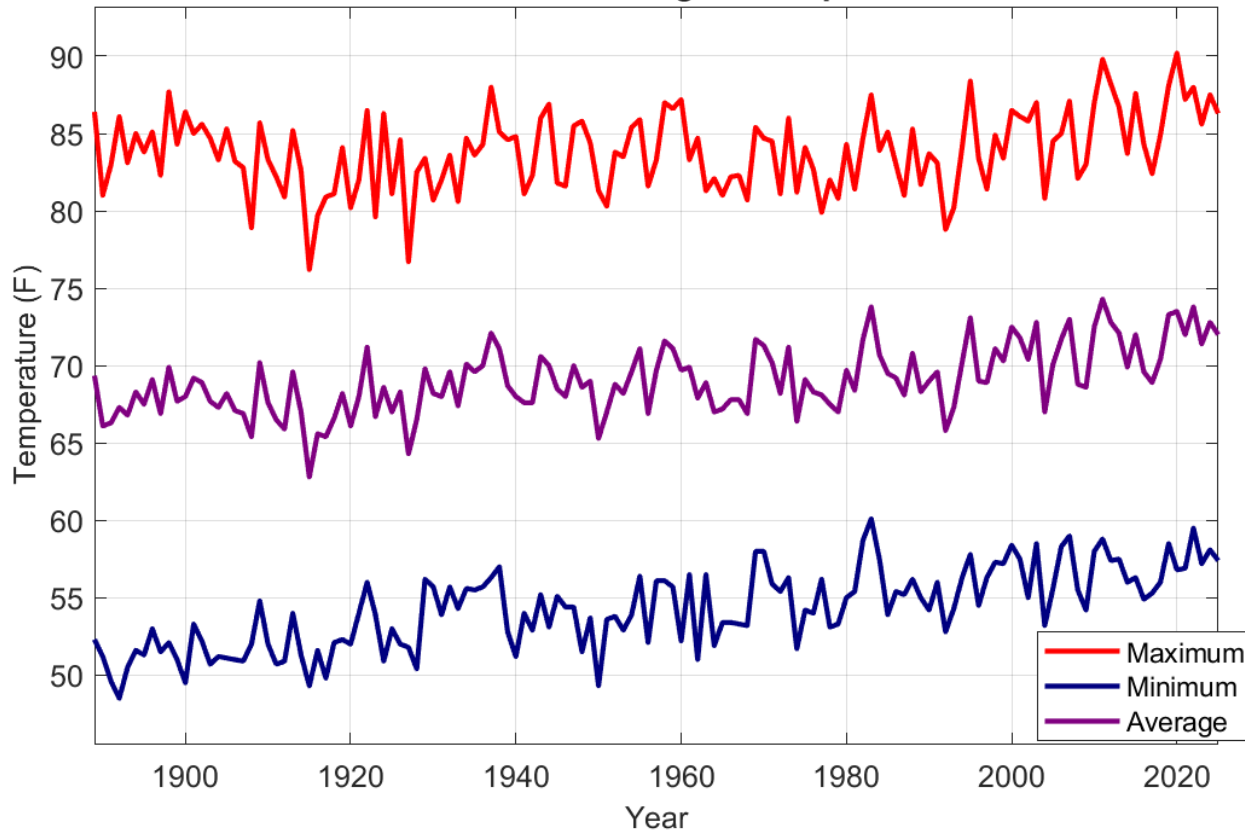
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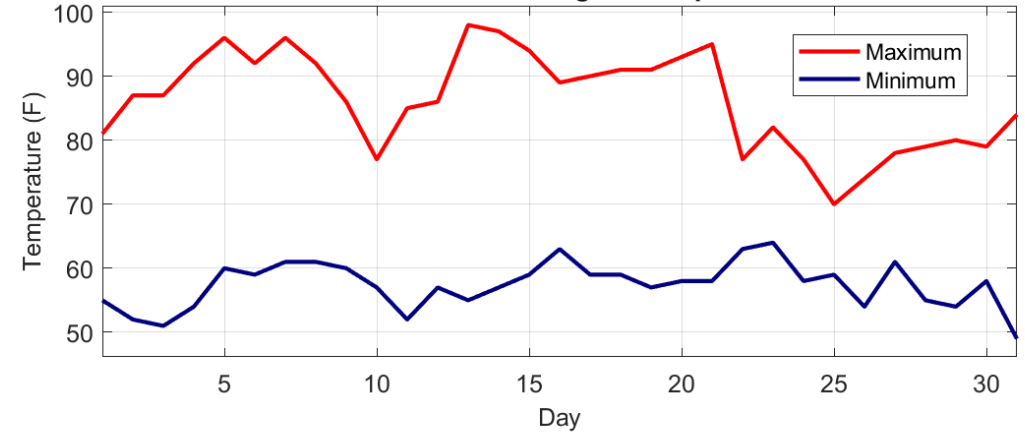


August 2025 Time Series Graphics

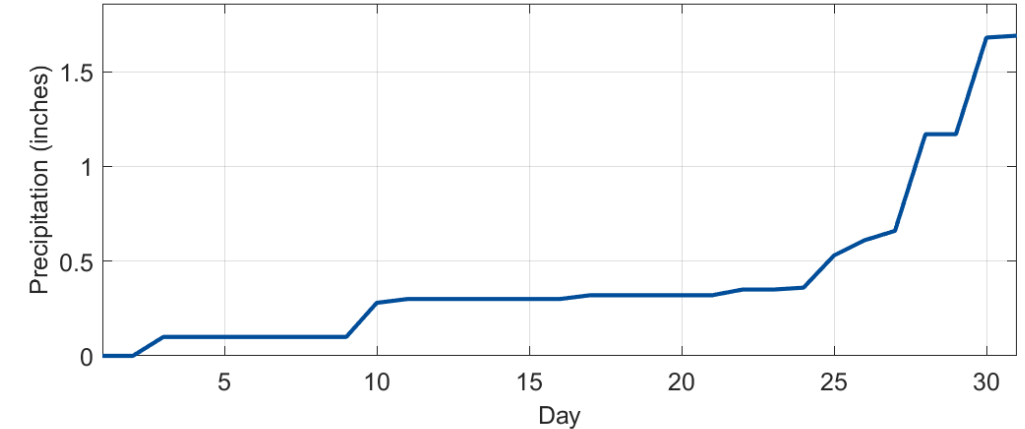
Fort Collins Weather Station August Temperature Timeseries



Fort Collins Weather Station August Temperature Timeseries



Fort Collins Weather Station August Precipitation Timeseries



Highest Daily T_{max} : 98 °F on August 13th

Lowest Daily T_{min} : 49 °F on August 31st

Highest Daily Precipitation: 0.51" on August 28th and 30th



Additional August 2025 Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
T_{mean} °F	72	70.7	69.1	1.3	2.9	2024	2023
Mean(T_{max}) °F	86.3	85	83.8	1.3	2.5	2024	2023
Mean(T_{min}) °F	57.4	56.5	54.3	1.1	3.1	2024	2023
Precipitation "	1.69	1.45	1.42	0.24	0.27	2024	2022
Oct-Apr Precipitation "	11.45	14.4	13.81	-2.95	-2.37	2023	2024

	Value	Date
Max(T_{max}) °F	98	13 th
Min(T_{max}) °F	70	20 th
Max(T_{min}) °F	64	23 rd
Min(T_{min}) °F	49	31 st
Max(Daily Precip)"	0.51	28 th , 30 th
Max(Daily Snowfall)"	0	N/A
Peak Wind Gust (mph)	27.9	2 nd

Days Precip > 0	20
Days Snowfall > 0	0
Days Precip > Trace	12
Days Snowfall > Trace	0
Days Wind Gust > 20mph	8
Peak Wind Gust Direction	225
Peak Wind Gust Time (MST)	1349 MST

Pan Evaporation	6.81"
Normal Pan Evaporation	6.48"
%of Normal	105

POR = period of record (1889-2025)



Records Broken

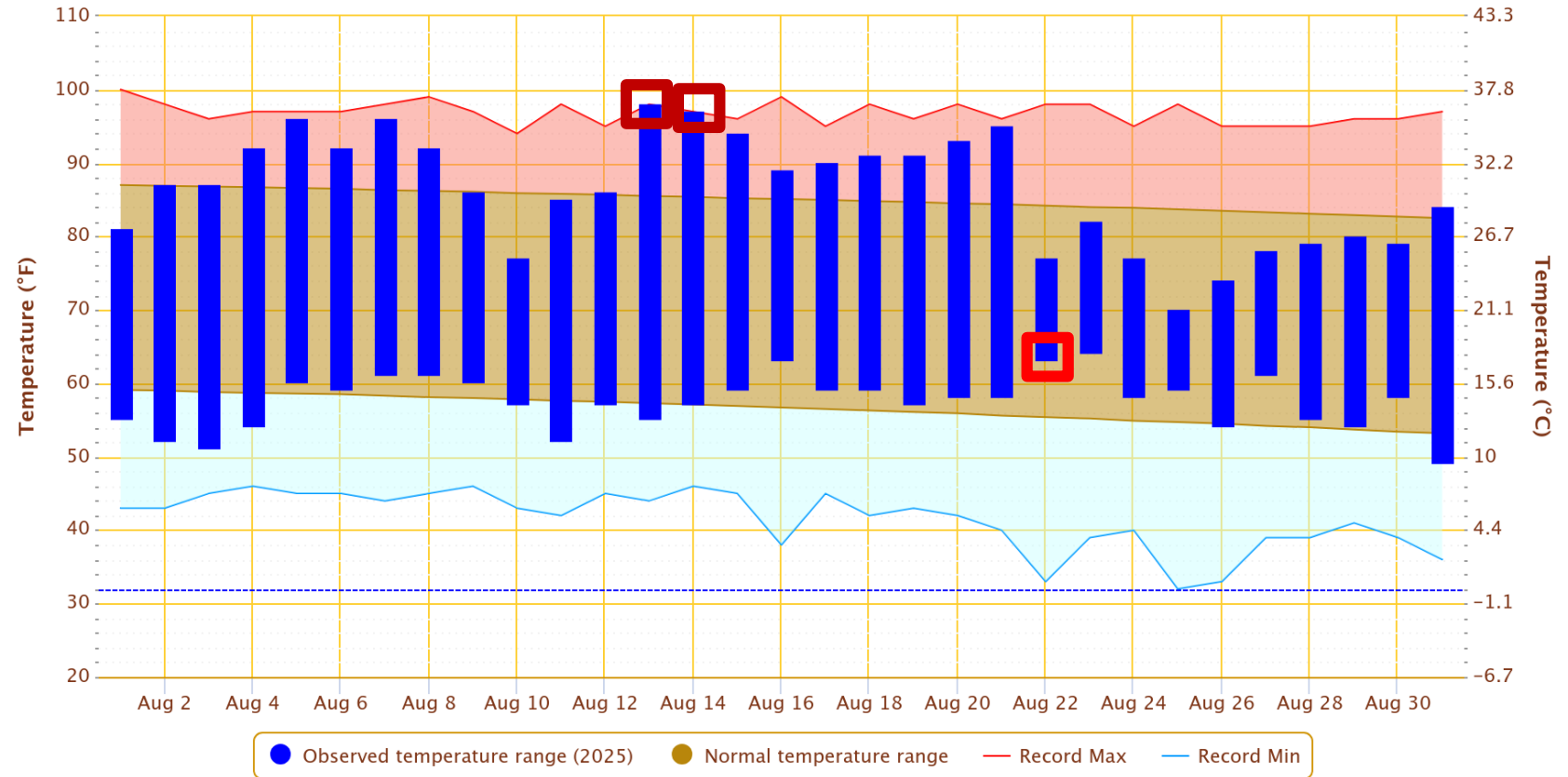
We set a new record highest maximum daily temperature on August 13th of 98 °F. This breaks the old record of 96 °F set in 1970 and tied in 1972.

We set a new record highest maximum daily temperature on August 14th of 97 °F. This breaks the old record of 96 °F set all the way back in 1892.

We tied the record for highest minimum daily temperature on August 22nd (63 °F). This record was originally set in 1946.

Daily Temperature Data – FORT COLLINS, CO

Period of Record – 1893-01-01 to 2025-09-01. Normals period: 1991–2020. Click and drag to zoom chart.



- Maximum daily temperature record
- Minimum daily temperature record

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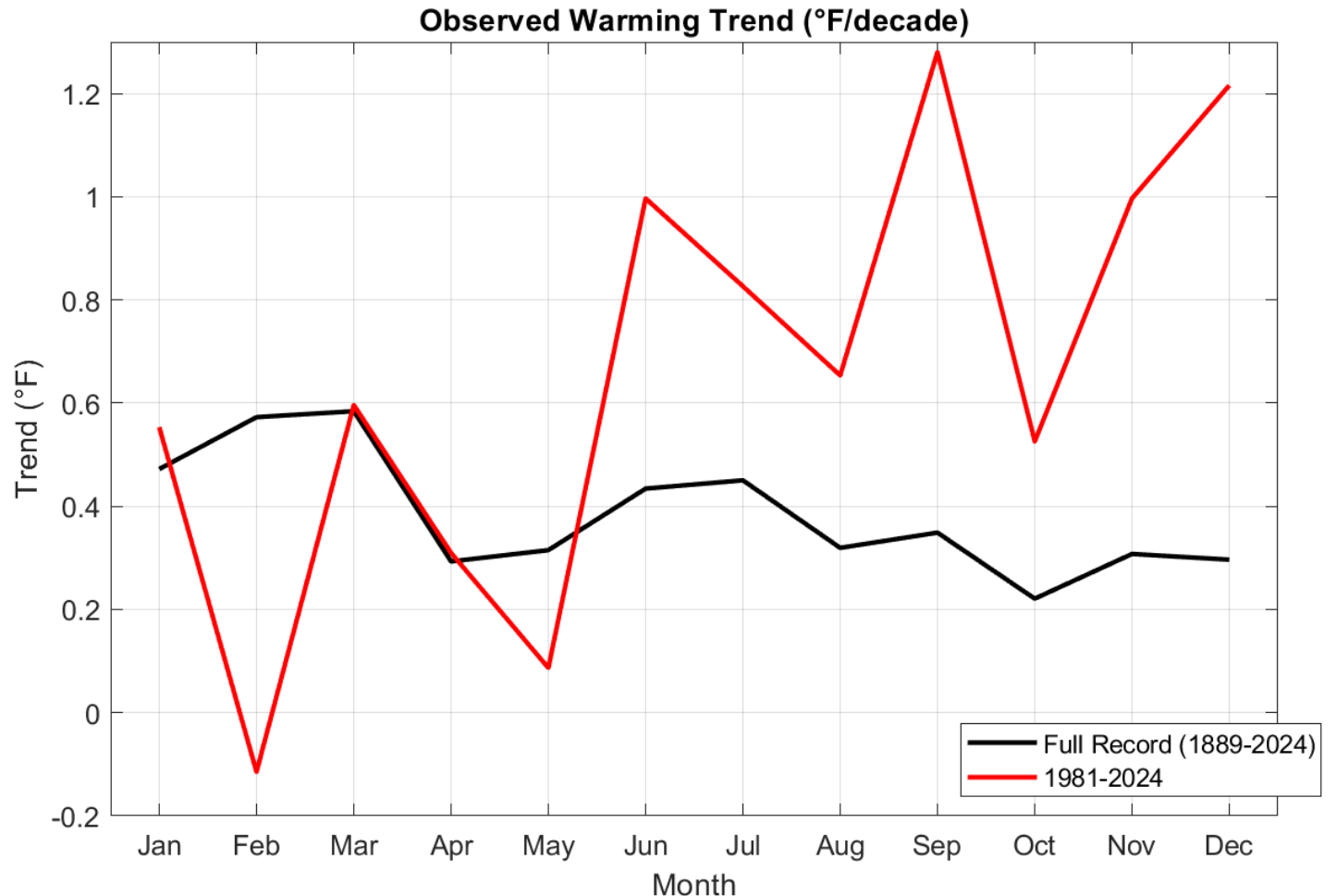
Feature Story: Monthly Temperature Trends

Late summer and early fall has received some press for being the time of year in which northern Colorado has warmed the most in recent decades. This is true for our campus station (red line).

One could propose some physically-grounded hypotheses as to why this may be (e.g. land-atmosphere feedbacks: see our Climate Change in Colorado synthesis report for more info: climatechange.colostate.edu). However, natural year-to-year variability creates noise in monthly temperature trends, especially over short timescales (like 1981-2024).

The bigger story is the long-term trend (black line), which shows a relatively steady warming pattern across all months with an average upward trend of 0.38 °F/decade since record keeping began (1889). That may not sound like much, but aggregated over more than 13 decades, our weather station has warmed by 5.2 °F (just shy of 3 °C).

A combination of factors has contributed to this warming trend: anthropogenic climate change, several station moves over the history of the station, and urbanization of the area around the CSU campus. The NCEI dataset, which includes methods to account for the effects of station moves and similar changes, shows a warming of 3.2F over a similar time frame: https://climate.colostate.edu/div_trends.html



CONTACT US!

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