

Photo Credit:
Noah Newman

Fort Collins Weather Station Monthly Summary

October 2025



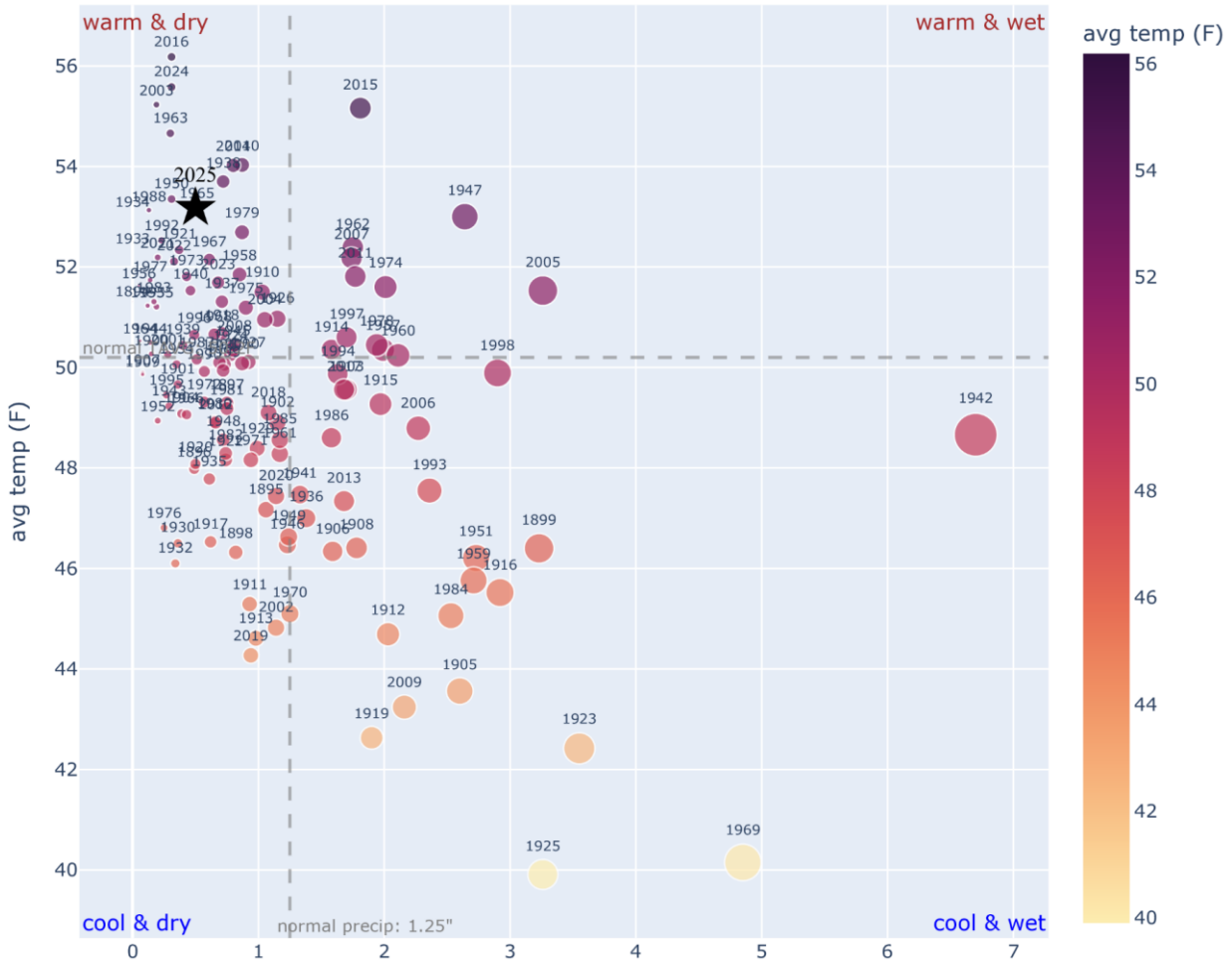
COLORADO
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CENTER



ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY

Average October Temperature and Precipitation

FORT COLLINS temperature and precipitation, October 1 - October 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 October 2025 was 53.0 °F, 2.8 °F above our 1991-2020 October normal (50.2 °F)

The last warmer October was 2024 (55.6 °F)

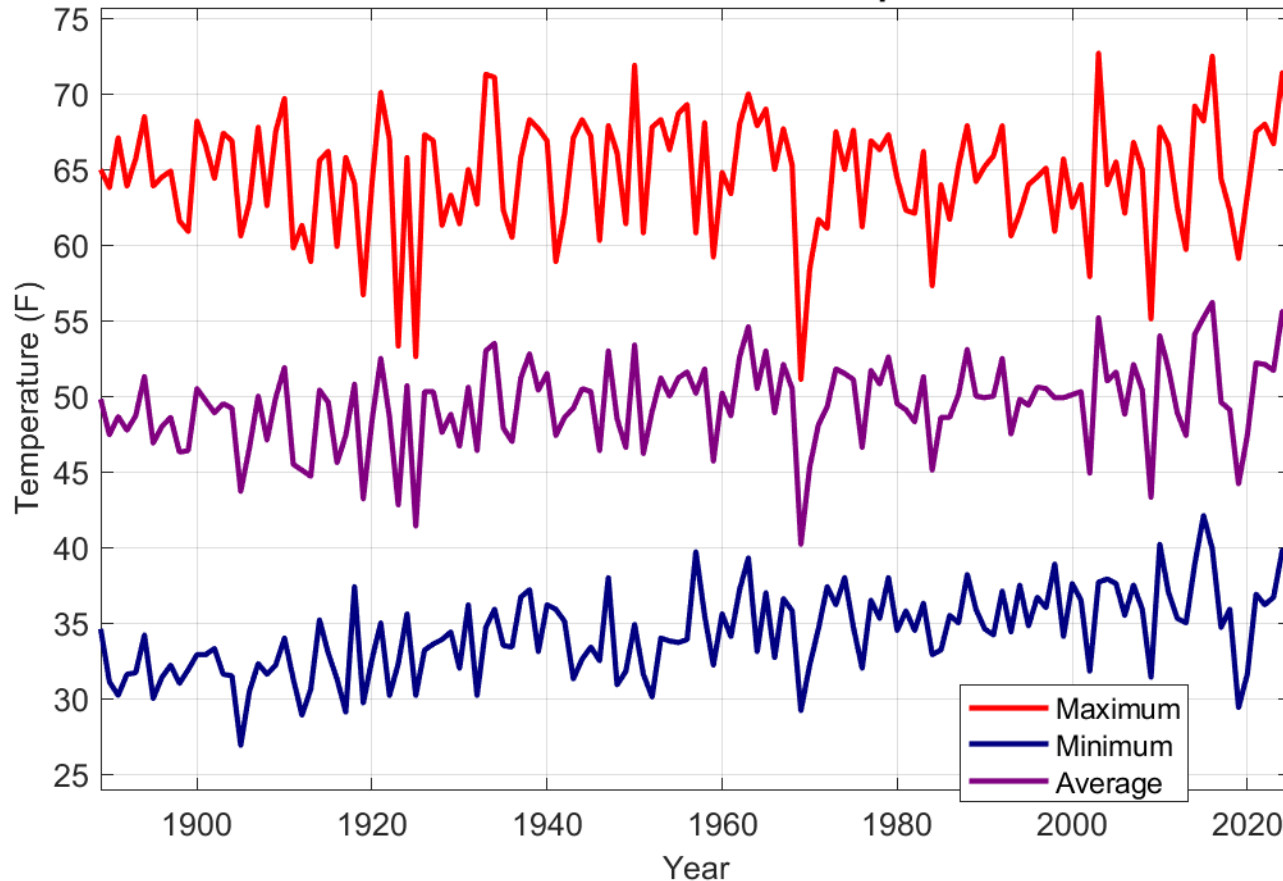
We received 0.50” of precipitation in October 2025, 40% of our 1991-2020 October normal (1.25”). The last drier October was 2024 (0.31”). We have now experienced eight straight drier than normal Octobers (despite a couple that were much snowier than average)

We received no snowfall in October 2025. Our 1991-2020 average October snowfall is 4.1”. The last October with measurable snowfall was 2024 (1.6”)

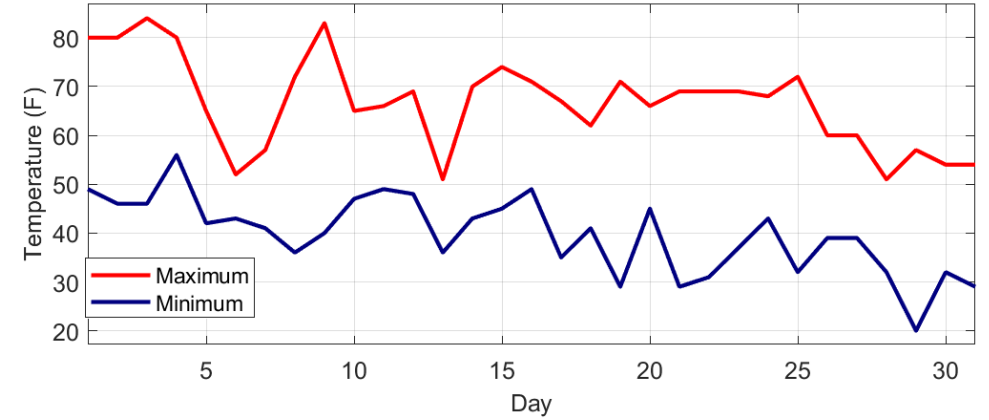


October 2025 Time Series Graphics

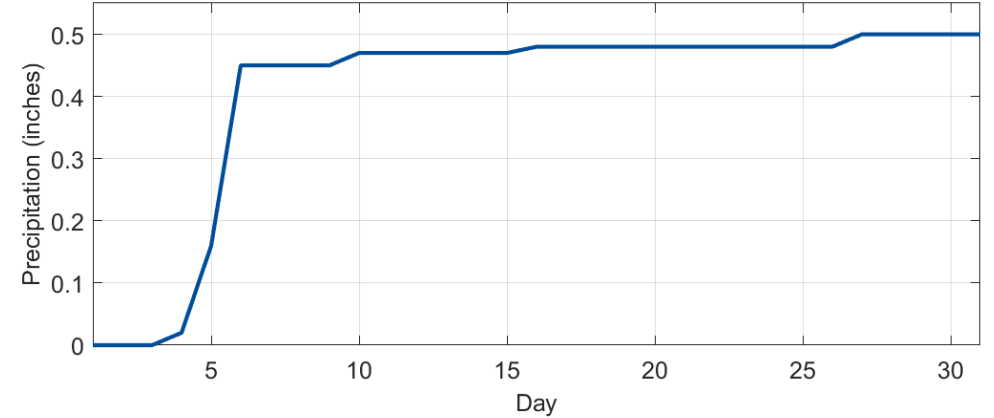
Fort Collins Weather Station October Temperature Timeseries



Fort Collins Weather Station October Temperature Timeseries



Fort Collins Weather Station October Precipitation Timeseries



Highest Daily T_{\max} : 84 °F on October 3rd

Lowest Daily T_{\min} : 20 °F on October 29th

Highest Daily Precipitation: 0.29" on October 6th



Additional October 2025 Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
T_{mean} °F	53	50.2	49.5	2.8	3.5	2024	2023
Mean(T_{max}) °F	66.7	64.3	64.6	2.4	2.1	2024	2020
Mean(T_{min}) °F	39.6	36.1	34.3	3.5	5.3	2024	2023
Precipitation "	0.5	1.25	1.11	-0.75	-0.61	2023	2024
Snowfall "	0	4.1	3.1	-4.1	-3.1	2024	N/A

	Value	Date
Max(T_{max}) °F	84	3 rd
Min(T_{max}) °F	51	15 th , 28 th
Max(T_{min}) °F	56	4 th
Min(T_{min}) °F	20	29 th
Max(Daily Precip)"	0.29	6 th
Max(Daily Snowfall)"	0	N/A
Peak Wind Gust (mph)	37.04	20 th

Days Precip > 0	10
Days Snowfall > 0	0
Days Precip > Trace	6
Days Snowfall > Trace	0
Days Wind Gust > 20mph	7
Peak Wind Gust Direction	311
Peak Wind Gust Time (MST)	0400 MST

Pan Evaporation	3.55"
Normal Pan Evaporation	3.21"
%of Normal	110

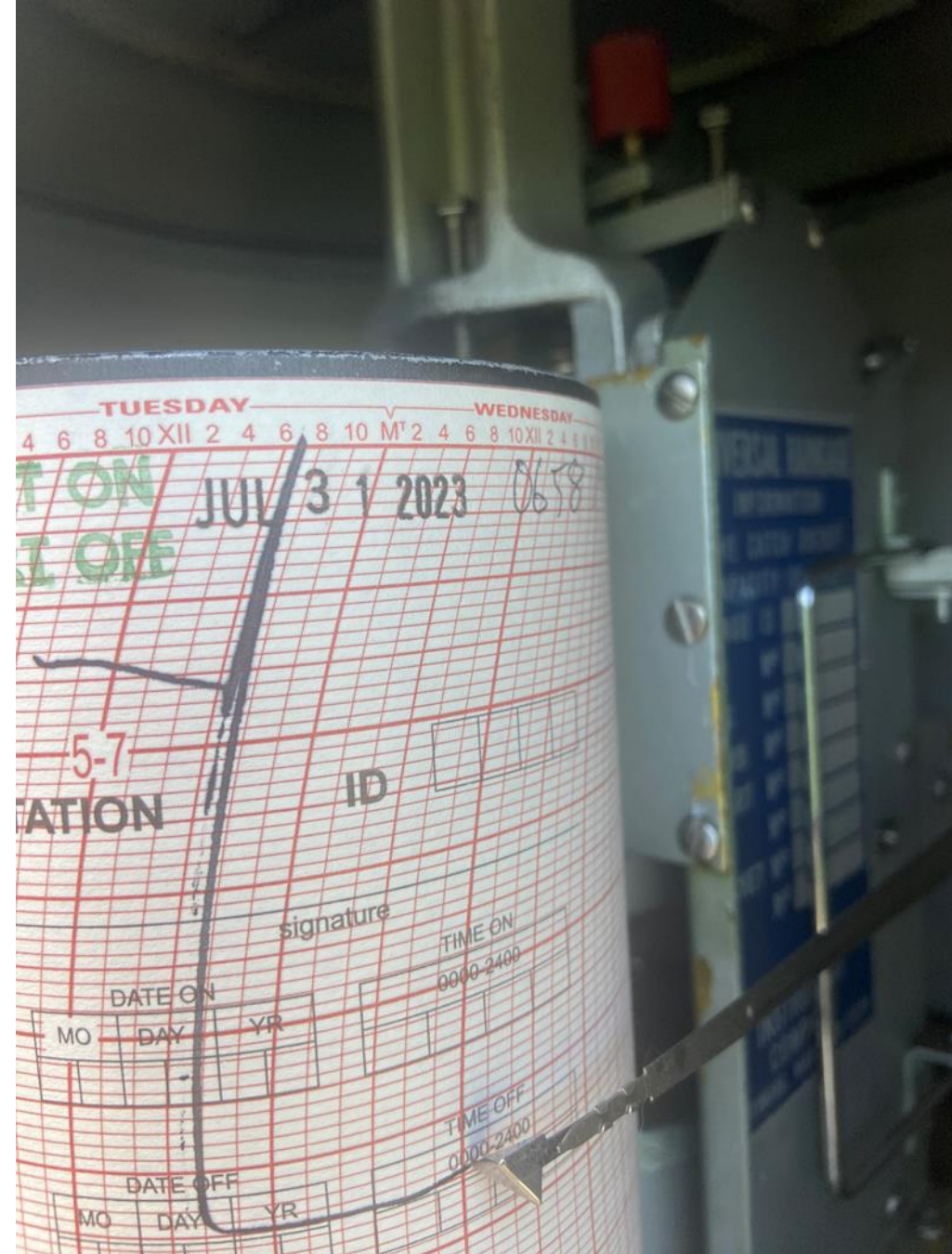
POR = period of record
(1889-2025)



Records Broken

We set a new record highest daily minimum temperature record on October 4th of 56 °F. This breaks the record of 52 °F from 1990

We set a new record highest minimum daily temperature on October 16th of 49 °F. This breaks the old record of 48 °F from 1979



Feature Story: Frost Free Season

Last month I received a question about how our frost-free season is changing in Colorado. It is a good question! It turns out, while we did have some hard freezes in late October, that 2025 was tied for our second longest frost free season (181 days without a freeze). The longest?... Just last year! 2024 holds the record at 185 days.

This is not a fluke. Our frost free season is much longer than it used to be. Since 1895 our frost-free season has expanded by an average of 2.7 days/decade. Yes, there is high year-to-year variability, but this trend is significant with > 99% statistical confidence.

I should add the obligatory disclaimer that our weather station has moved several times over its lifecycle, and some of its earlier locations were more conducive to lower nocturnal minimum temperatures.

Frost/Freeze Summary for FORT COLLINS, CO

Each section contains date and year of occurrence, value on that date. Click column heading to sort ascending, click again to sort descending.

Year	Last	Value	First	Value	Season Length
2024	04-22 (2024)	29	10-25 (2024)	30	185
2025	04-20 (2025)	27	10-19 (2025)	29	181
1963	04-23 (1963)	27	10-22 (1963)	32	181
1980	04-18 (1980)	29	10-16 (1980)	32	180
2012	04-08 (2012)	30	10-05 (2012)	32	179
2007	04-14 (2007)	22	10-08 (2007)	32	176
2004	05-01 (2004)	27	10-23 (2004)	31	174
1972	05-02 (1972)	27	10-23 (1972)	30	173
2023	04-24 (2023)	32	10-14 (2023)	28	172
1988	05-04 (1988)	32	10-23 (1988)	29	171



CONTACT US!

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