

Fort Collins Weather Station Monthly Summary

June 2024



Photo credit: Russ Schumacher



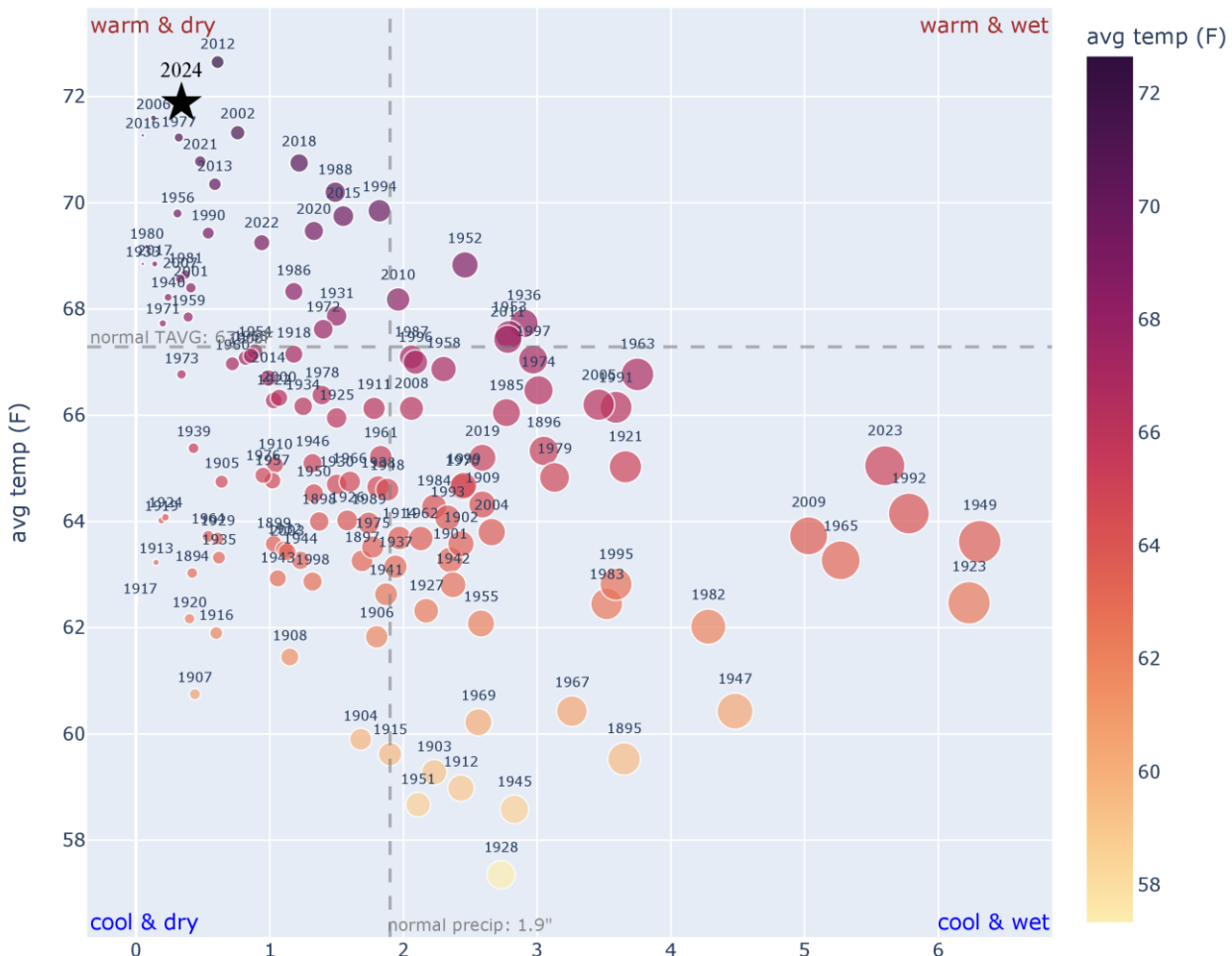
COLORADO
CLIMATE
CENTER



ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY

Average June Temperature and Precipitation

FORT COLLINS temperature and precipitation, June 1 - June 30



The average air temperature for June 2024 was 71.9 °F, 4.6 °F above our 1991-2020 June normal (67.3 °F)

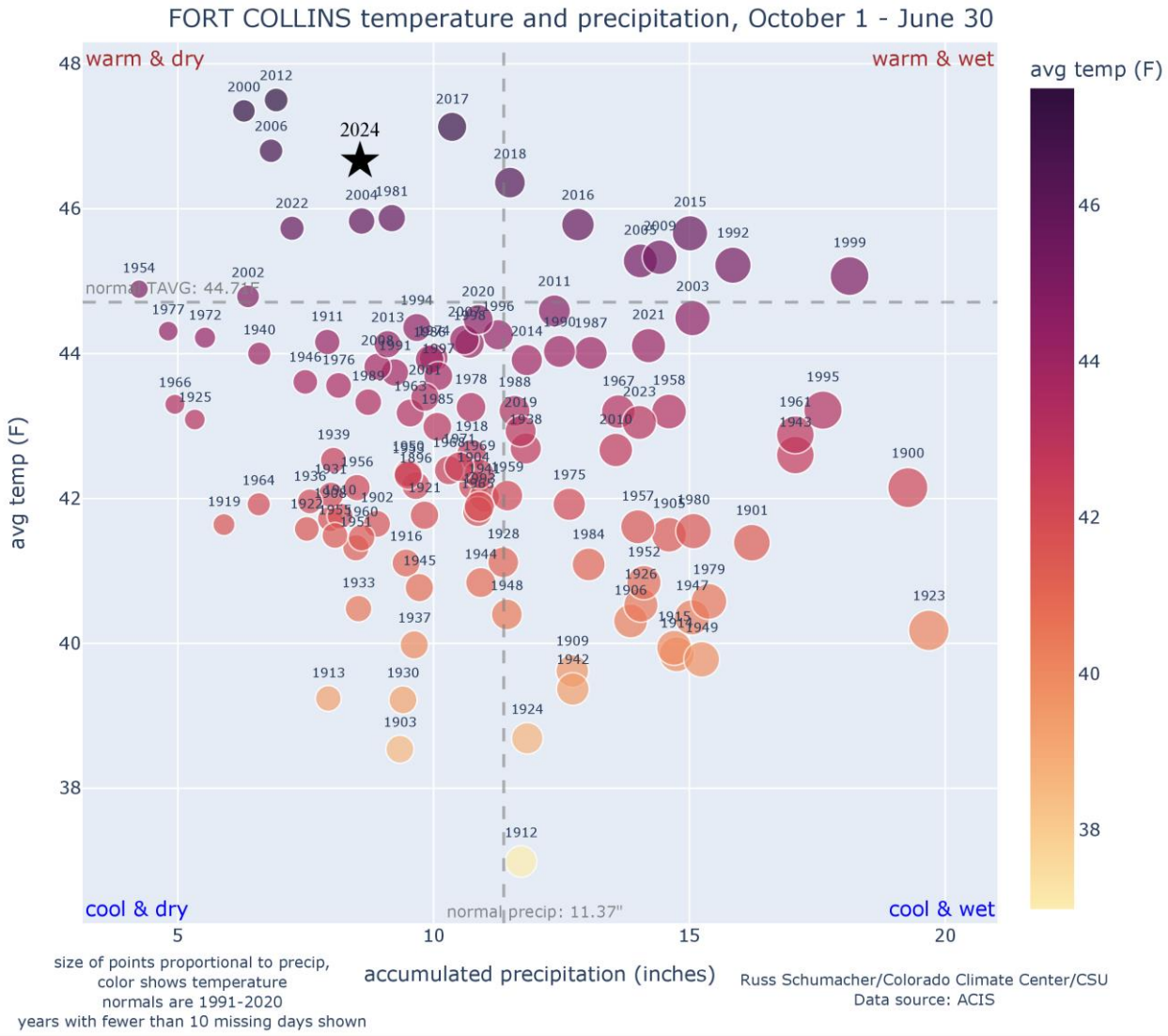
The last, and only, warmer June was 2012 (72.7 °F)

We received 0.34" of precipitation in June 2024, a mere 18% of our 1991-2020 June normal (1.89")

The last drier June was 2016 (0.05")

size of points proportional to precip, color shows temperature, normals are 1991-2020, years with fewer than 3 missing days shown. Russ Schumacher/Colorado Climate Center/CSU. Data source: ACIS.

Average Water Year to Date Temperature and Precipitation



The average air temperature for our 2024 Water Year to date (since October 1st) is 46.6 °F. This is 1.9 °F above our 1991-2020 normal of 44.7 °F

The last warmer October-June was 2017 (47.1 °F)

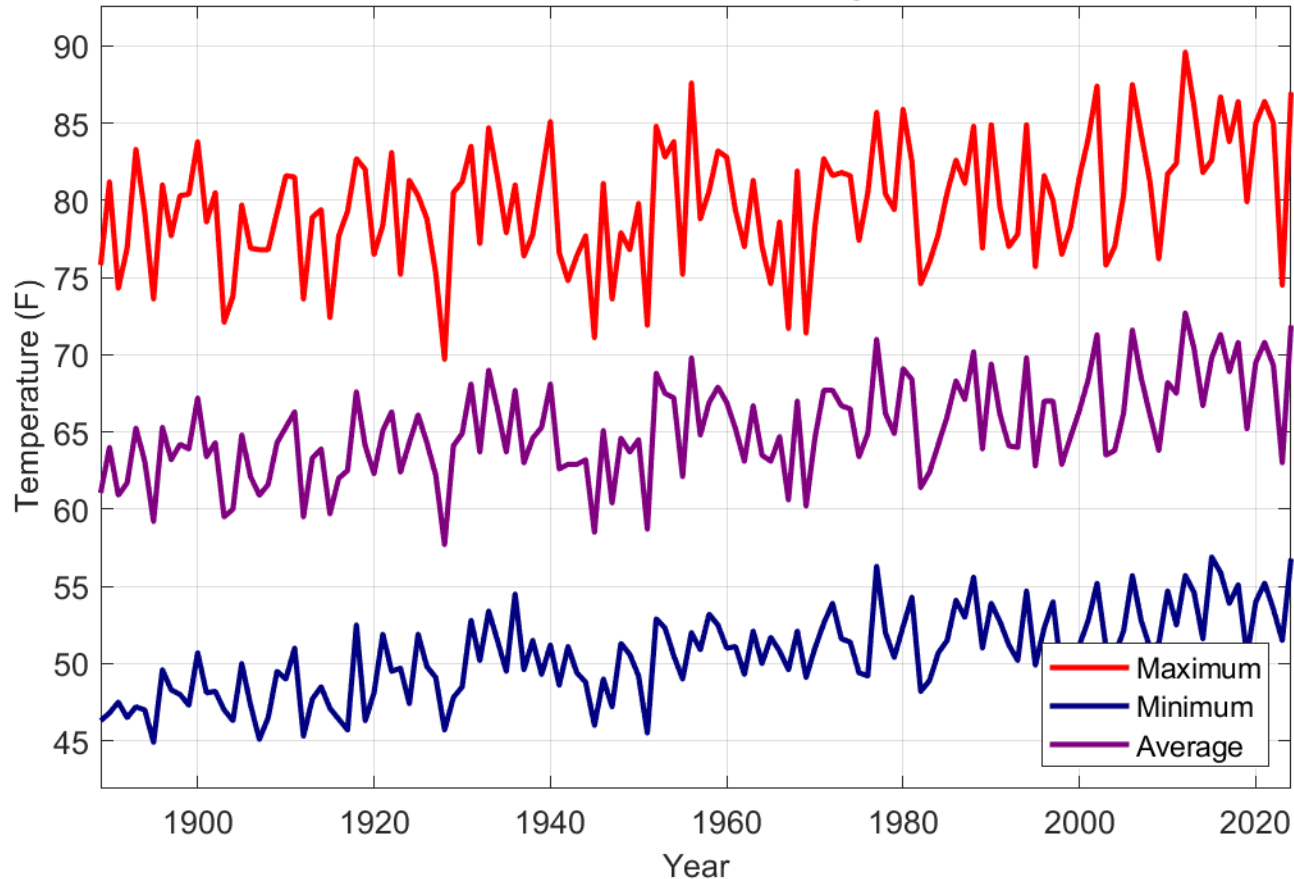
We have received 8.56" of precipitation this Water Year to date, 75.2% of our 1991-2020 normal (11.37")

The last Water Year to start at least this dry was 2022 (7.23")

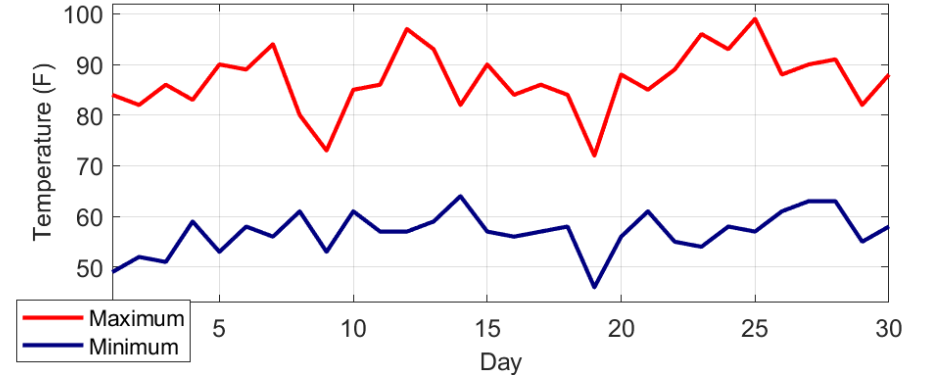


June 2024 Time Series Graphics

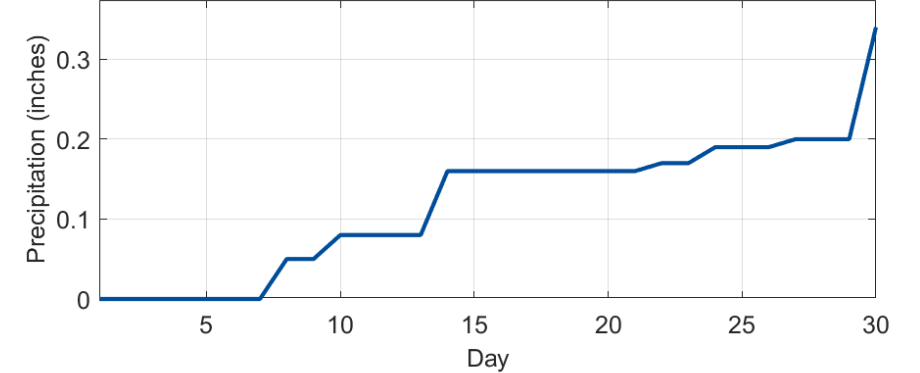
Fort Collins Weather Station June Temperature Timeseries



Fort Collins Weather Station June Temperature Timeseries



Fort Collins Weather Station June Precipitation Timeseries



Highest Daily T_{max} : 99 °F on June 25th

Lowest Daily T_{min} : 46 °F on June 19th

Highest Daily Precipitation: 0.14" on June 30th

Highest Daily Pan Evaporation: 0.39" on June 18th and 30th

Total Pan Evaporation: 7.83" (110% of normal)



Additional June 2024 Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
T_{mean} °F	71.9	67.3	65.2	4.6	6.7	2012	2023
Mean(T_{max}) °F	87	81.8	79.8	5.2	7.2	2012	2023
Mean(T_{min}) °F	56.8	52.8	50.6	4	6.2	2015	2023
Precipitation “	0.34	1.89	1.78	-1.55	-1.44	2023	2017
Water Year Precip “	8.56	11.37	10.8	-2.81	-2.24	2023	2022
Seasonal Snowfall “	37	50.7	48.3	-13.7	-11.3	2023	2018
POR = period of record (since 1894)							

	Value	Date
Max(T_{max}) °F	99	25 th
Min(T_{max}) °F	72	19 th
Max(T_{min}) °F	64	14 th
Min(T_{min}) °F	46	19 th
Max(Daily Precip)“	0.14	30 th
Max(Daily Snowfall)“	0	N/A
Peak Wind Gust (mph)	35.7	24 th

Days Precip > 0	18
Days Snowfall > 0	0
Days Precip > Trace	7
Days Snowfall > Trace	0
Days Wind Gust > 20mph	14
Peak Wind Gust Direction	198
Peak Wind Gust Time (MST)	1243 MST



Records Broken

We set a new highest maximum daily temperature record on 6/12/2024 of 97 °F. This breaks the old record of 96 °F from 1952 and 1956. We hosted the American Association of State Climatologists Annual Meeting on campus this day; everybody was able to witness history! We promise nobody breathed on the thermometer.

We tied the record for highest minimum daily temperature on 6/28/2024 of 63 °F, which was initially set in 1981.

We missed tying the mark for highest average June minimum daily temperature by a mere 0.1 °F (2015).



Photo Credit: Russ Schumacher



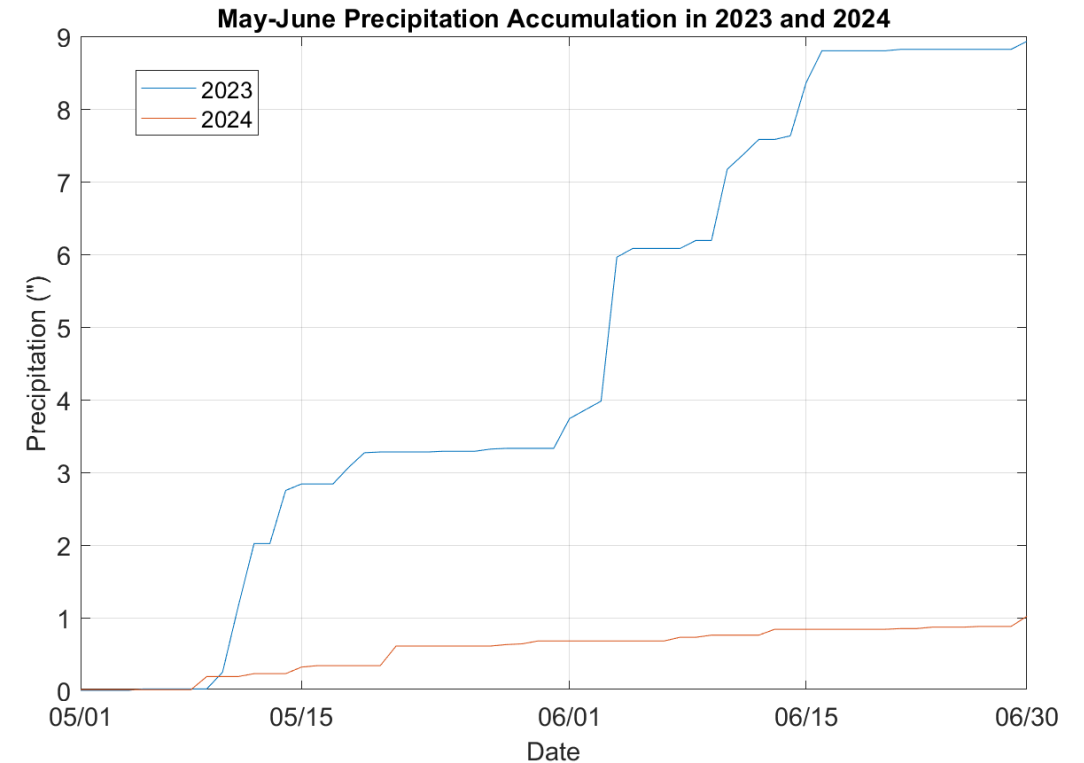
Feature Story: May/June 2023 vs 2024

If last year was your first spring in Fort Collins, you may have been given some false expectations as to how green and lush our semiarid landscape is supposed to look. In 2023 we amassed 8.98" of precipitation in May and June. In 2024 it was a meager 1.02".

In 136 years of record, May-June 2023 was the 6th wettest. 2024 was the 3rd driest.

As of the end of June, February 2024 is still the wettest month of the calendar year so far. This is the first time February has ever been the wettest month of the calendar year through June.

February's accumulation of 2.03" is higher than the average mark for any remaining month. Based on historical data, February has a 36% chance of remaining the wettest month of the calendar year through the end of 2024. This computation includes a built in assumption of a stable climate, which is a faulty assumption.



CONTACT US!

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