

Fort Collins Weather Station Monthly Summary

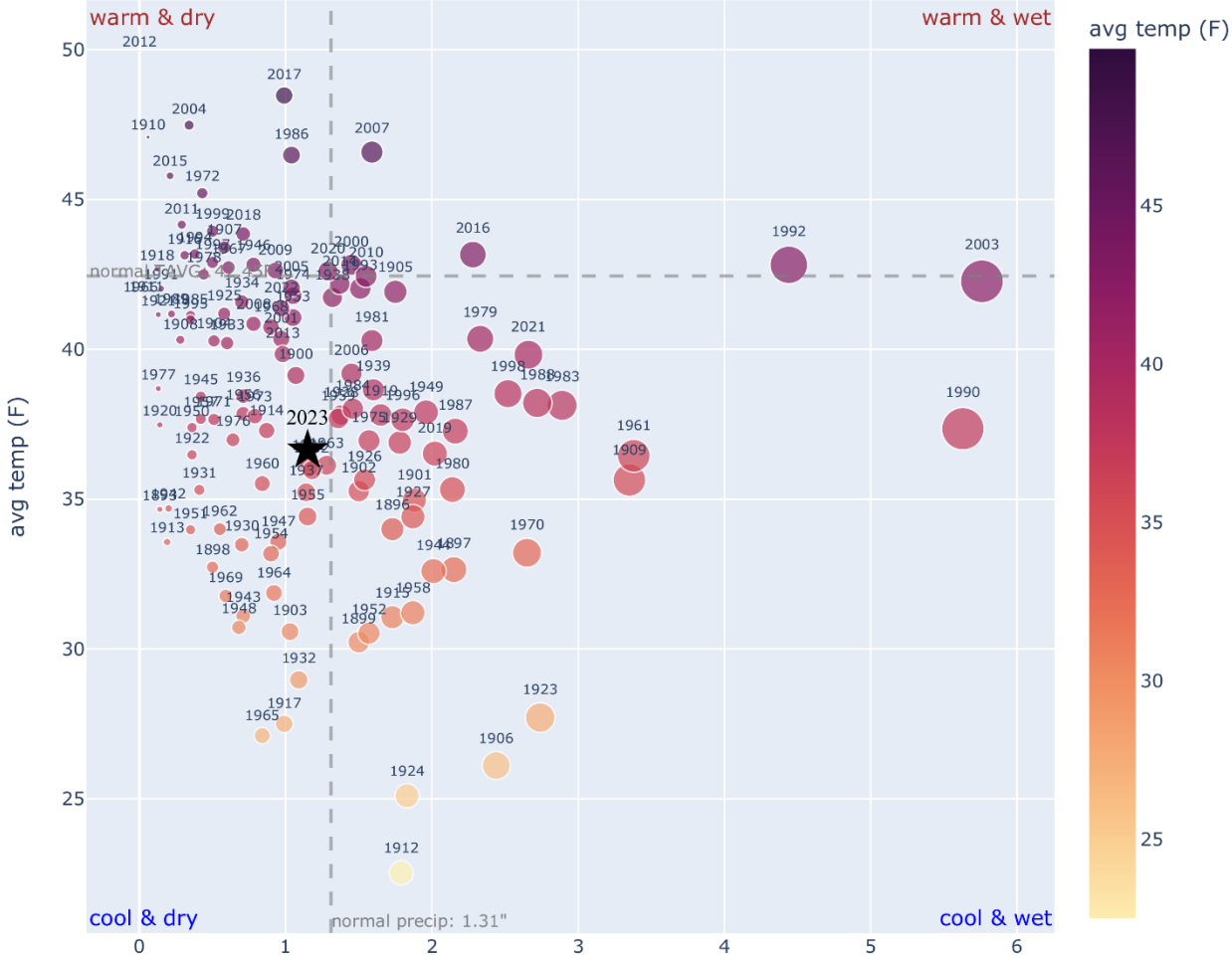
March 2023



Photo credit: Kristie Davis

Average Temperature and Precipitation

FORT COLLINS temperature and precipitation, March 1 - March 31



The average air temperature for March 2023 was 36.6 °F, 5.8 °F below our 1991-2020 March normal (42.4 °F)

The last cooler March was 2019 (36.5 °F)

We received 1.16" of precipitation in March 2023, 88.5% of our 1991-2020 March normal (1.31")

The last drier March was 2022 (0.97")

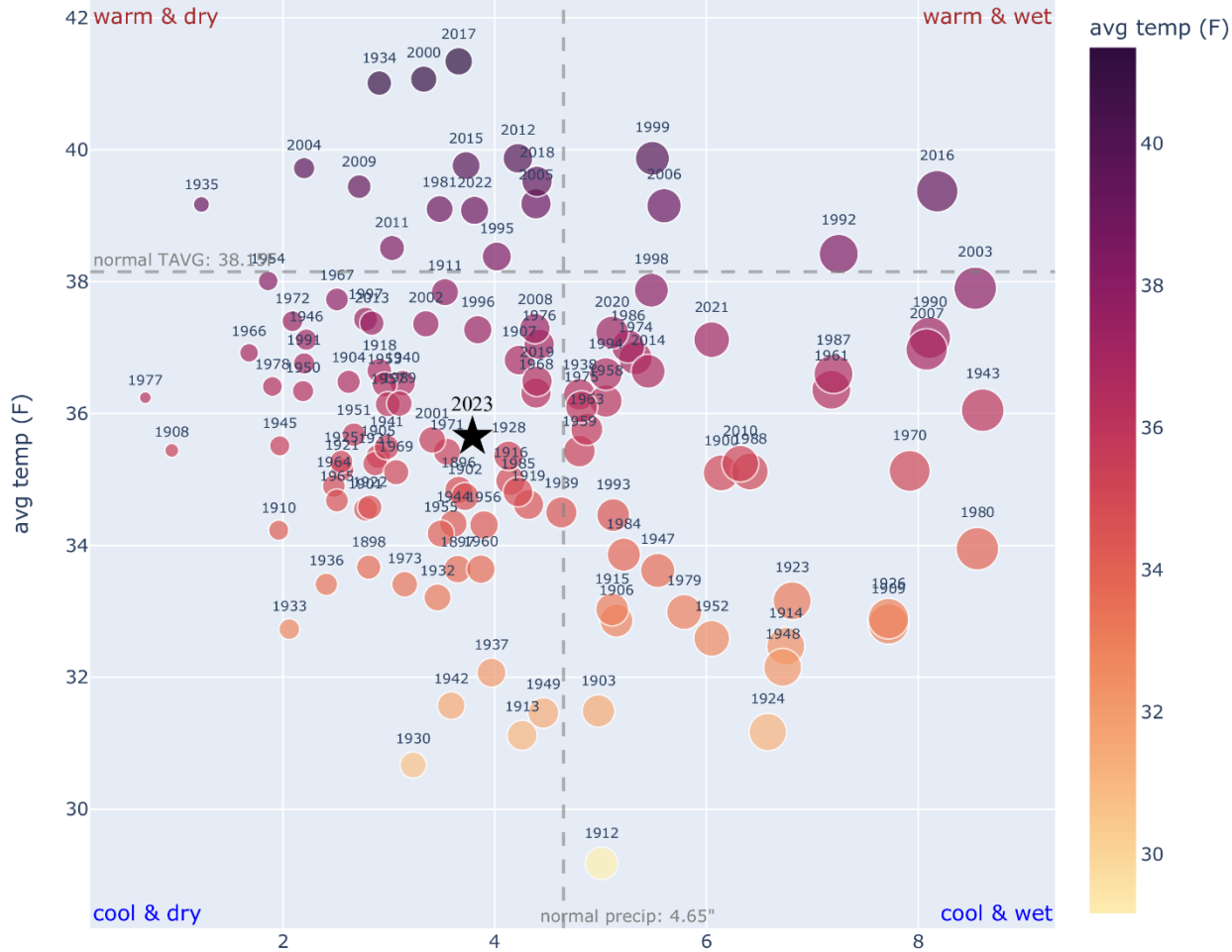
size of points proportional to precip,
color shows temperature
normals are 1991-2020
years with fewer than 3 missing days shown

accumulated precipitation (inches) Russ Schumacher/Colorado Climate Center/CSU
Data source: ACIS



Average Temperature and Precipitation

FORT COLLINS temperature and precipitation, October 1 - March 31



size of points proportional to precip,
color shows temperature
normals are 1991-2020
years with fewer than 10 missing days shown

accumulated precipitation (inches) Russ Schumacher/Colorado Climate Center/CSU

Data source: ACIS

The average air temperature for our 2023 Water Year to date (since October 1st) is 35.6 °F. This is well below our 1991-2020 normal of 38.1 °F.

The last cooler October-March was 2010 (35.2 °F). Wow!

We have received 3.79" of precipitation this Water Year to date, 81.5% of our 1991-2020 normal (4.65")

The last Water Year to start at least this dry was 2017 (3.66"). Over 70% of our water year precipitation falls from April onwards; this deficit could still easily be made up in one good May rainfall event.

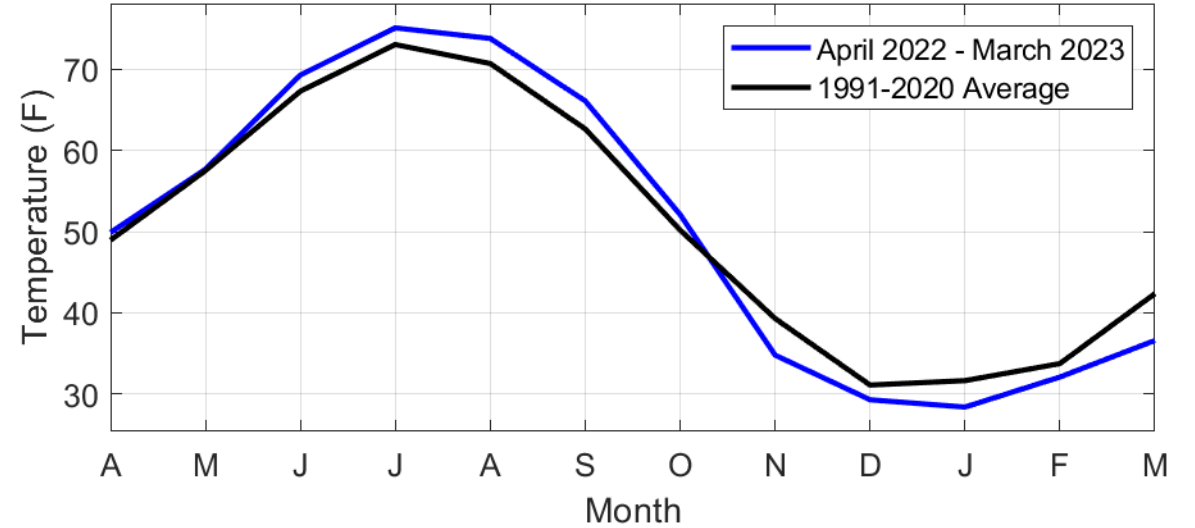


Feature Story: Seasonality

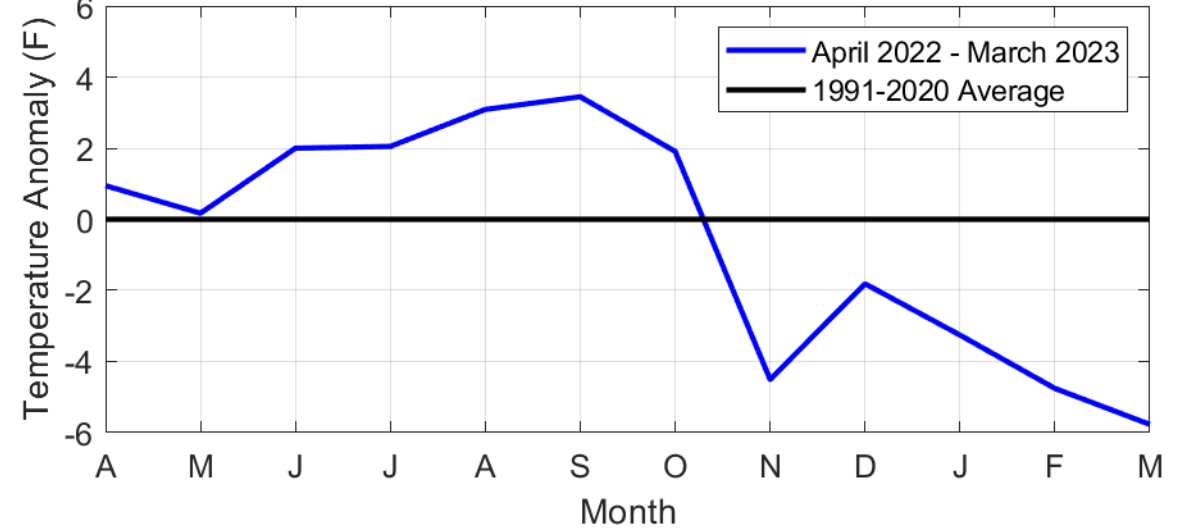
Did it feel like a hot summer followed by a cold winter? You're not imagining it. November 2022 – March 2023 have all been cooler than the 1991-2020 normal marks. April 2022 – October 2022 were all warmer than the 1991-2020 normals.

With the hot months being hotter than normal and the cool months colder, the last calendar year has effectively included six extra °F of seasonality.

Temperatures over Previous 12 Months



Temperatures Anomalies over Previous 12 Months



Records Broken

We measured 8.8" of snowfall on March 27th. This broke the old record of 8.6" (1975). It was a relatively high snow:liquid ratio event with only 0.52" of precipitation, which was not enough for a record. It also closed the university, and, as seen here, postponed the Schumacher Final IV.

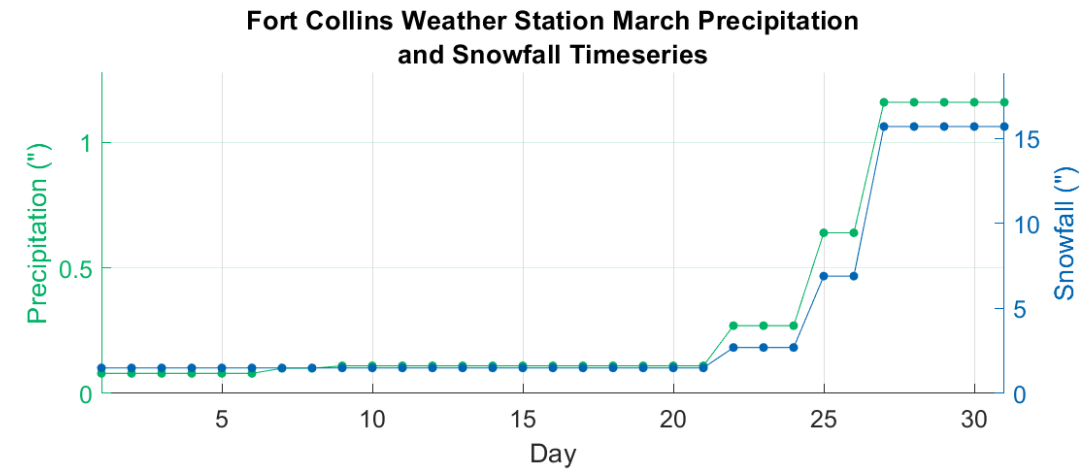
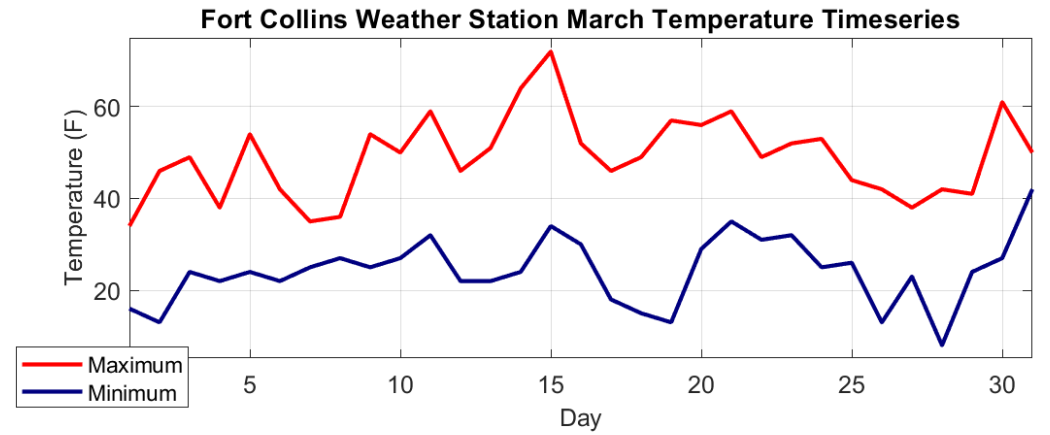
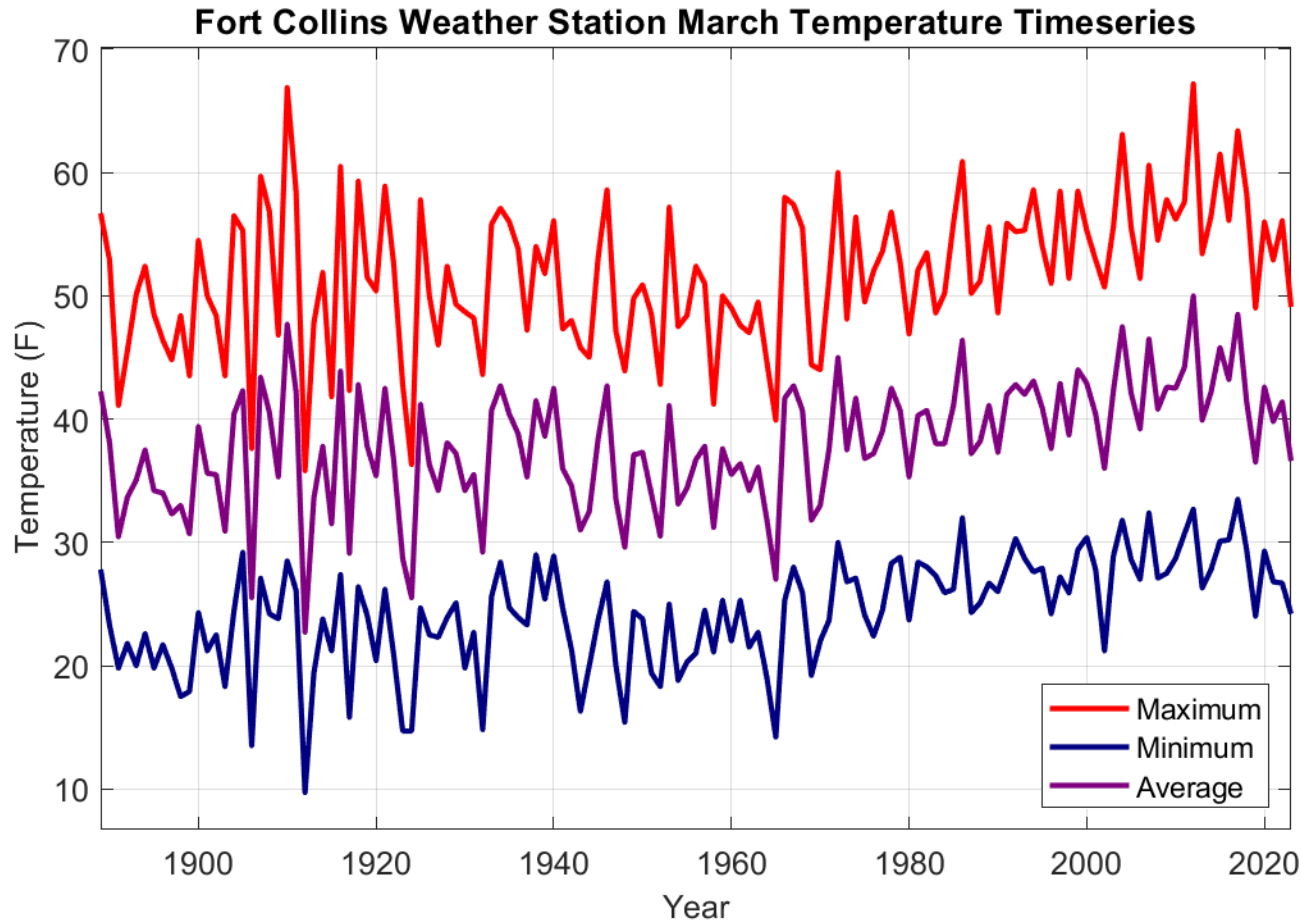
Despite the much cooler than normal March, we did not set any records for lowest maximum or minimum daily temperature.



Photo credit: Russ Schumacher



Time Series Graphics



Highest Daily T_{\max} : 72 °F on March 15th

Lowest Daily T_{\min} : 8 °F on March 28th

Highest Daily Precipitation: 0.52" on March 27th

Highest Daily Snowfall: 8.8" on March 27th



Additional March Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
T_{mean} °F	36.6	42.4	38	-5.8	-1.4	2022	2019
Mean(T_{max}) °F	49.1	56.4	51.8	-7.3	-2.7	2022	2019
Mean(T_{min}) °F	24.2	28.5	24.3	-4.3	-0.1	2022	2019
Precipitation “	1.16	1.31	1.18	-0.15	-0.02	2021	2022
Snowfall “	15.7	9.4	10.3	6.3	5.4	2021	2022
Water Year Precip “	3.79	4.65	4.28	-0.86	-0.49	2022	2017
Seasonal Snowfall “	42.7	43	40.4	-0.3	2.3	2022	2019
POR = period of record (since 1894)							

	Value	Date
Max(T_{max})	72	15th
Min(T_{max})	34	1st
Max(T_{min})	42	31st
Min(T_{min})	8	28th
Max(Daily Precip)	0.52	27th
Max(Daily Snowfall)	8.8	27th
Peak Wind Gust (mph)	42.5	31st

Days Precip > 0	16
Days Snowfall > 0	14
Days Precip > Trace	6
Days Snowfall > Trace	4
Days Wind Gust > 20mph	15
Peak Wind Gust Direction	290
Peak Wind Gust Time (MST)	13:00



CONTACT US!

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