

# Fort Collins Weather Station Monthly Summary

May 2023



Photo credit:  
Kristie Davis



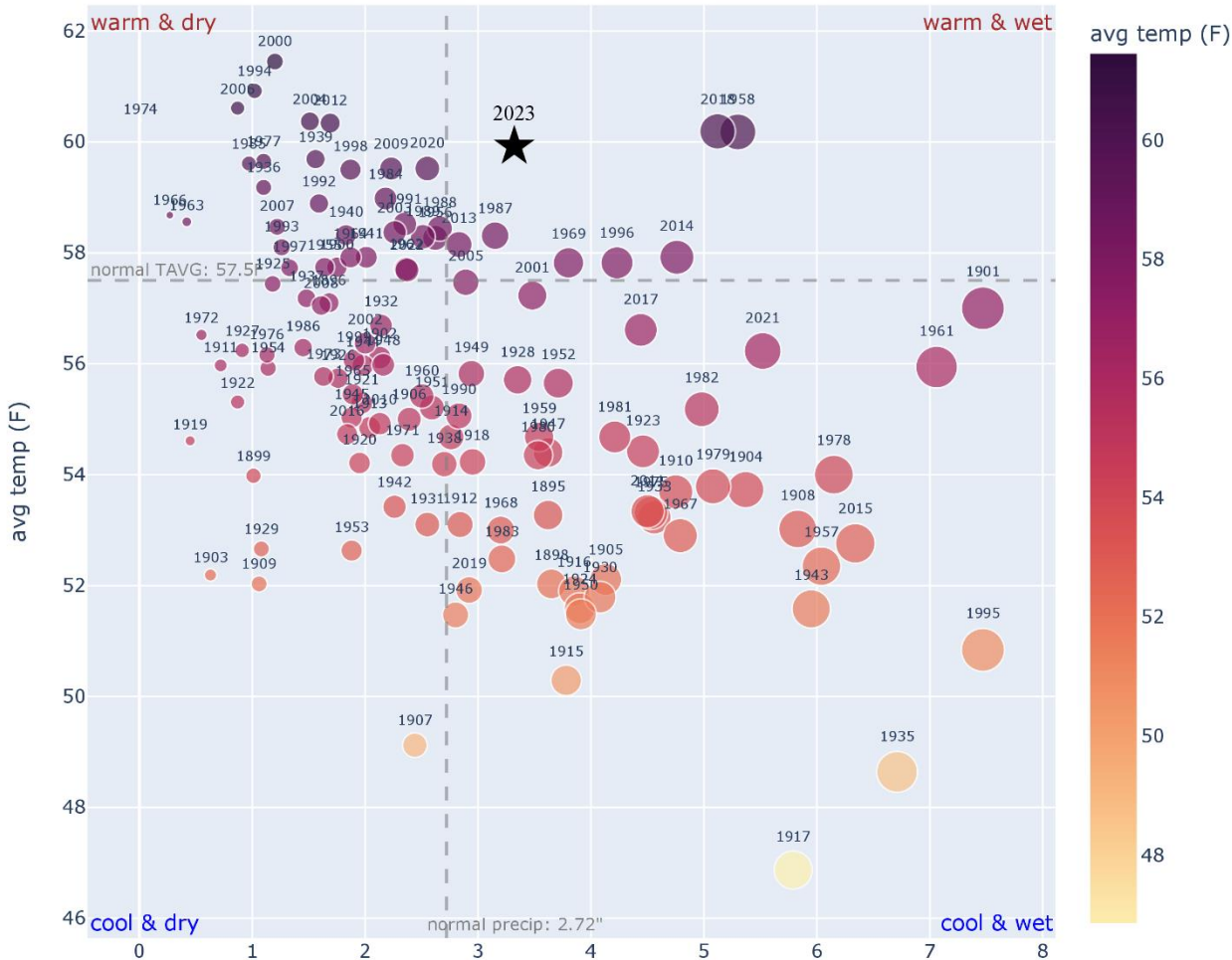
COLORADO  
CLIMATE  
CENTER



ATMOSPHERIC SCIENCE  
COLORADO STATE UNIVERSITY

# Average Temperature and Precipitation

FORT COLLINS temperature and precipitation, May 1 - May 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 May 2023 was 60.0 °F, 2.5 °F above our 1991-2020 May normal (57.5 °F)

The last warmer May was 2018 (60.2 °F)

We received 3.33” of precipitation in May 2023, 123% of our 1991-2020 April normal (2.72”)

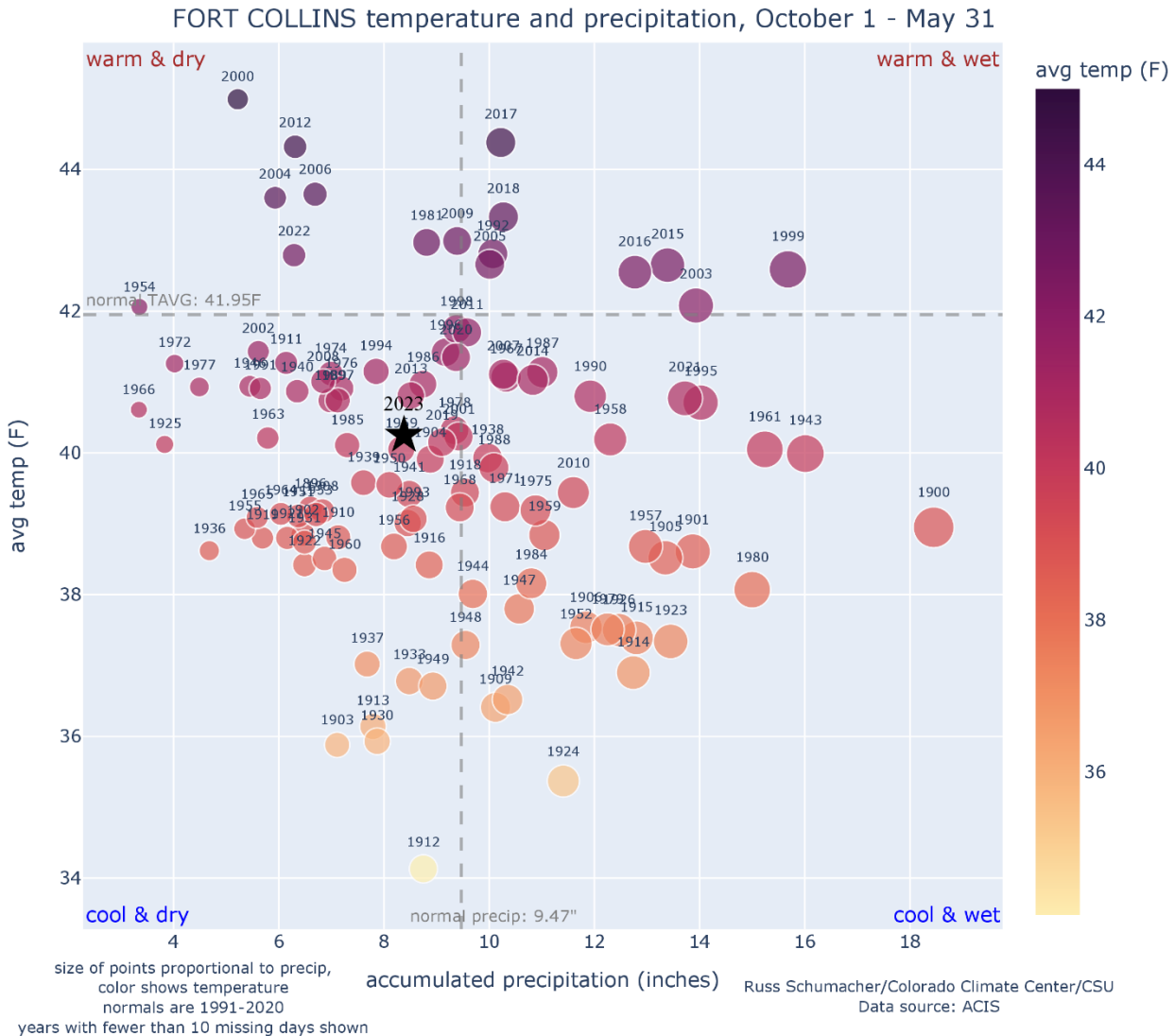
The last wetter May was 2021 (5.52”)

Our average spring (March-May) temperature was 48.1 °F, 1.5 °F below our 1991-2020 average of 49.6 °F. This cold anomaly was driven by a much cooler than normal March

We received 5.74” of precipitation this spring. This is 94% of our normal spring precipitation (6.12”)



# Average Temperature and Precipitation



The average air temperature for our 2023 Water Year to date (since October 1<sup>st</sup>) is 40.3 °F. This is 1.4 °F below our 1991-2020 normal of 41.7 °F

The last cooler October-May was 2019 (40.1 °F)

We have received 8.38" of precipitation this Water Year to date, 88.9% of our 1991-2020 normal (9.43")

The last Water Year to start at least this dry was 2022 (6.29")





# Records Broken

No daily records were broken

We set a monthly record for highest average daily minimum temperature in May

The average minimum temperature this month was 47.2 °F. This is 3.1 °F above the 1991-2020 normal and 5.0 °F above the period of record average (since 1894). It breaks the previous record of 46.9 °F set just five years ago in 2018.



Photo Credit: Kristie Davis



# Feature Story: Comfortable Weather

In a continental climate like ours, even when average temperatures are comfortable we tend to experience at least some short periods of hot or cold weather.

May 2023 temperatures ranged between 38 and 82 °F. Quite a comfortable range for people! Our warmest temperature for the year to date is still from April 11<sup>th</sup> (84 °F).

The coolest maximum daily temperature was 56 °F on May 11<sup>th</sup> and the warmest minimum daily temperature was 54 °F on May 24<sup>th</sup>

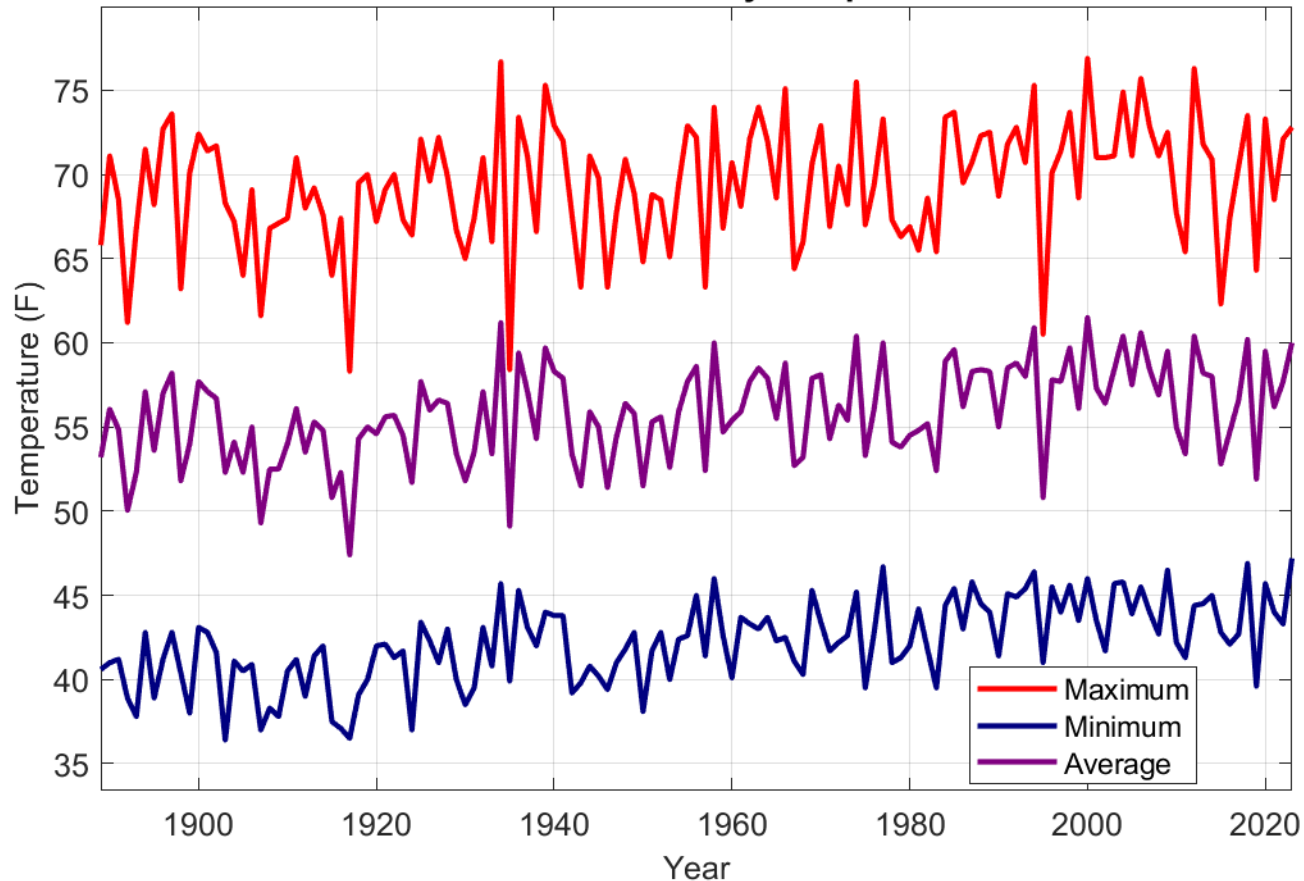


A great grass growing month at the Doesken farm – Photo credit: Nolan Doesken

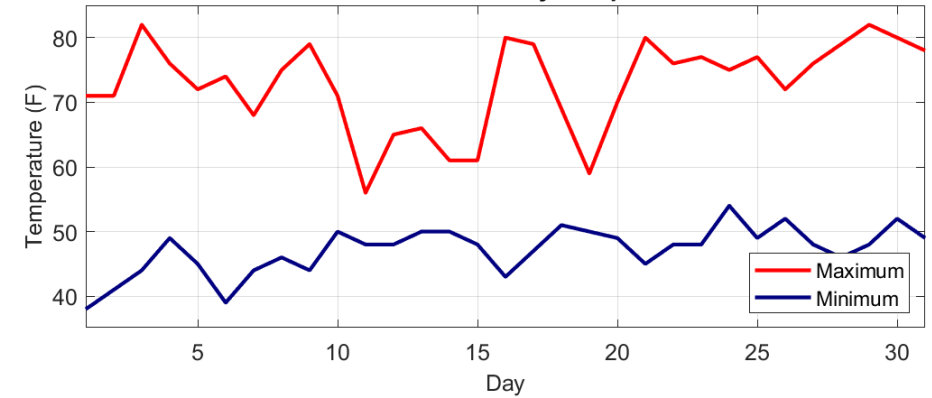


# May 2023 Time Series Graphics

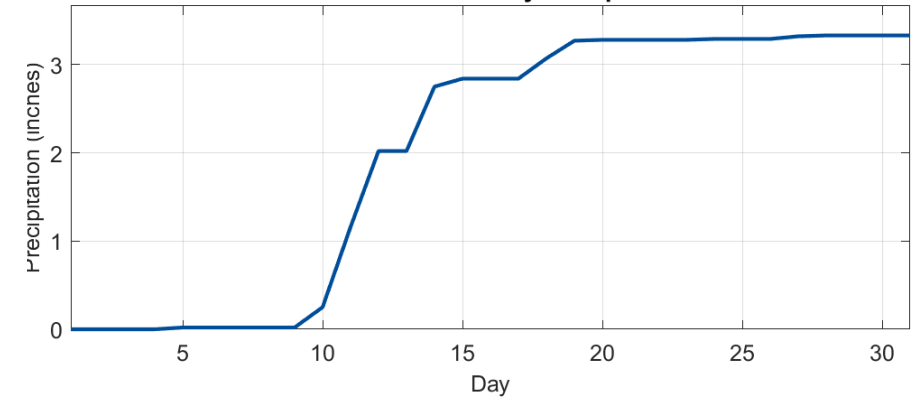
Fort Collins Weather Station May Temperature Timeseries



Fort Collins Weather Station May Temperature Timeseries



Fort Collins Weather Station May Precipitation Timeseries



Highest Daily  $T_{max}$ : 82 °F on May 3<sup>rd</sup> and May 29<sup>th</sup>  
Lowest Daily  $T_{min}$ : 38 °F on May 1<sup>st</sup>

Highest Daily Precipitation: 0.91" on May 11<sup>th</sup>

Highest Daily Pan Evaporation\*: 0.23" on May 9<sup>th</sup>

Total Pan Evaporation: 5.92" (91% of normal)





# Additional May 2023 Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
$T_{\text{mean}}$ °F	60.0	57.5	55.8	2.5	4.2	2018	2022
Mean( $T_{\text{max}}$ ) °F	72.8	70.9	69.4	1.9	3.4	2020	2022
Mean( $T_{\text{min}}$ ) °F	47.2	44.1	42.2	3.1	5.0	N/A	2022
Precipitation “	3.33	2.72	2.81	0.61	0.52	2021	2022
Snowfall “	0	1.5	1.3	-1.5	-1.3	2021	N/A
Water Year Precip “	8.38	9.43	9.03	-1.05	-0.65	2021	2022
Seasonal Snowfall “	47.7	50.7	48.4	-3.0	-0.7	2021	2022
POR = period of record (since 1894)							

	Value	Date
Max( $T_{\text{max}}$ ) °F	82	11 <sup>th</sup>
Min( $T_{\text{max}}$ ) °F	56	22 <sup>nd</sup>
Max( $T_{\text{min}}$ ) °F	54	13 <sup>th</sup>
Min( $T_{\text{min}}$ ) °F	38	5 <sup>th</sup>
Max(Daily Precip)“	0.91	26 <sup>th</sup>
Max(Daily Snowfall)“	0	N/A
Peak Wind Gust (mph)	34.5	31 <sup>st</sup>

Days Precip > 0	19
Days Snowfall > 0	0
Days Precip > Trace	12
Days Snowfall > Trace	0
Days Wind Gust > 20mph	12
Peak Wind Gust Direction	187
Peak Wind Gust Time (MST)	1542 MST



# CONTACT US!

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