

Fort Collins Weather Station Monthly Summary

August 2024



Photo Credit: Kristie Davis

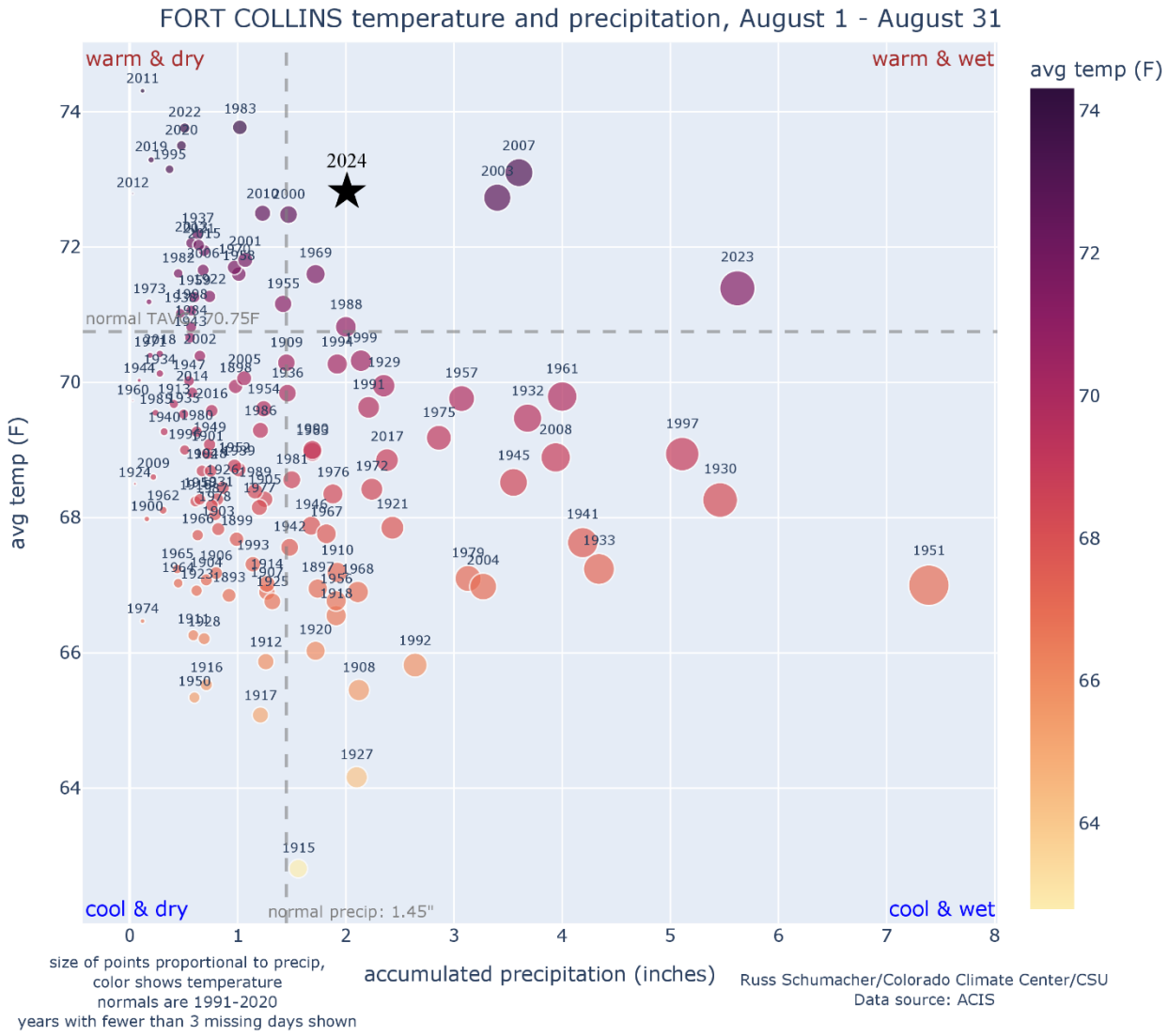


ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY



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Average August Temperature and Precipitation



The average air temperature for August 2024 was 72.8 °F, 2.1 °F above our 1991-2020 August normal (70.7 °F)

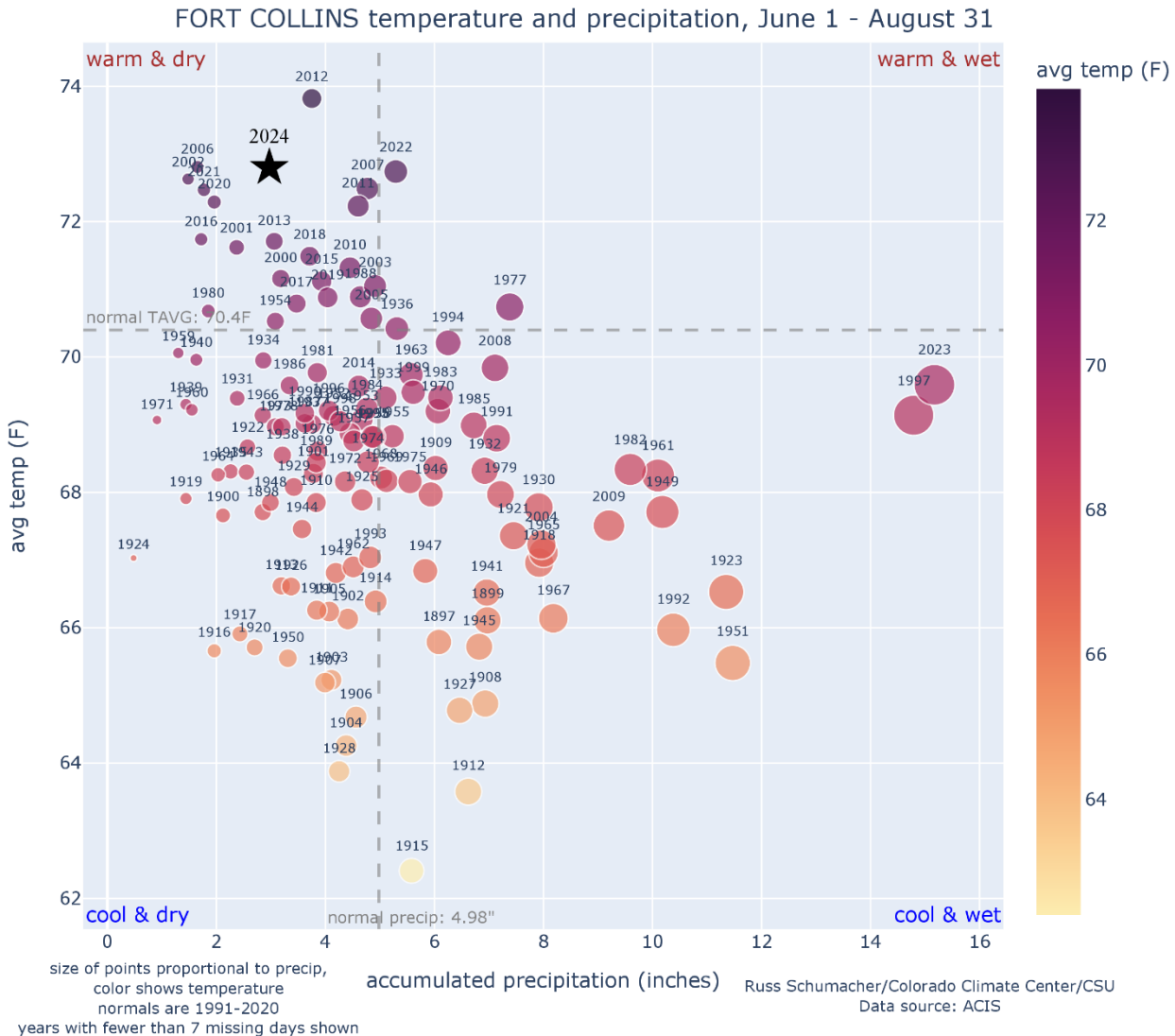
The last warmer August was 2022 (73.8 °F)

We received 2.01" of precipitation in August 2024, 139% of our 1991-2020 August normal (1.45")

The last wetter August was 2023 (5.62")



Average Summer Temperature and Precipitation



The average air temperature for meteorological summer (June-August) was 72.8 °F. This is 2.4 °F above our 1991-2020 normal of 70.4 °F

The last warmer summer was 2012 (73.8 °F)

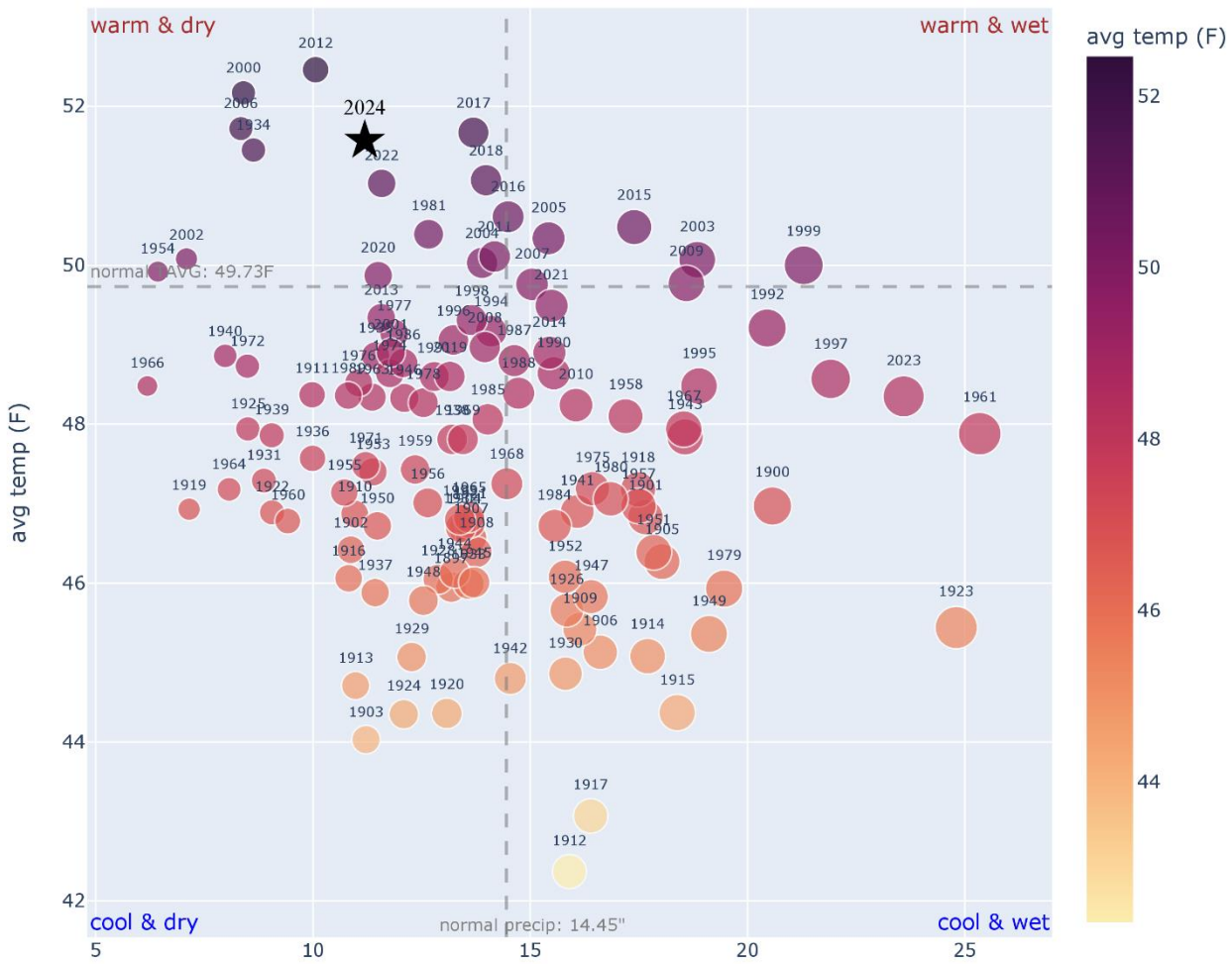
We received 2.97" of precipitation this summer, 59.8% of our 1991-2020 normal (4.97")

The last drier summer was 2021 (1.77")



Average Water Year to Date Temperature and Precipitation

FORT COLLINS temperature and precipitation, October 1 - August 31



The average air temperature for our 2024 Water Year to date (since October 1st) is 51.6 °F. This is 1.9 °F above our 1991-2020 normal of 49.7 °F

The last warmer October-August was 2012 (52.5 °F).

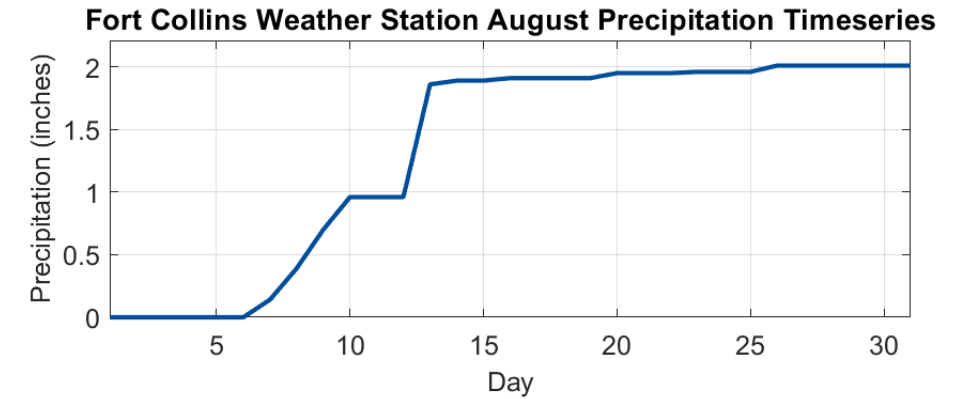
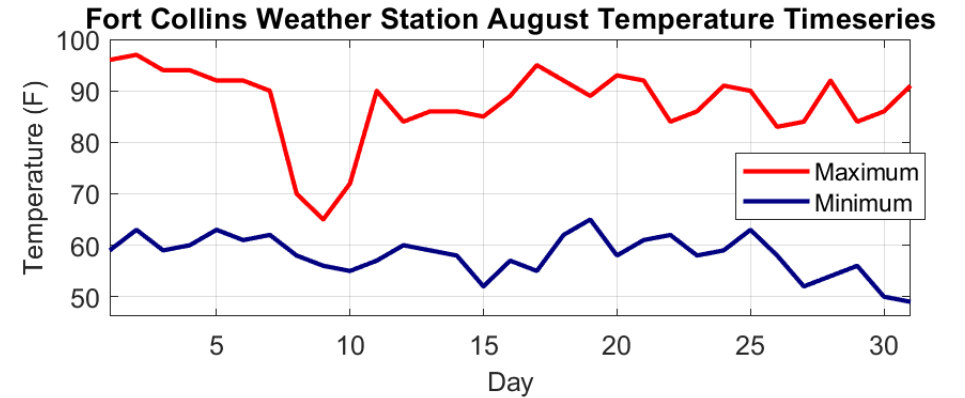
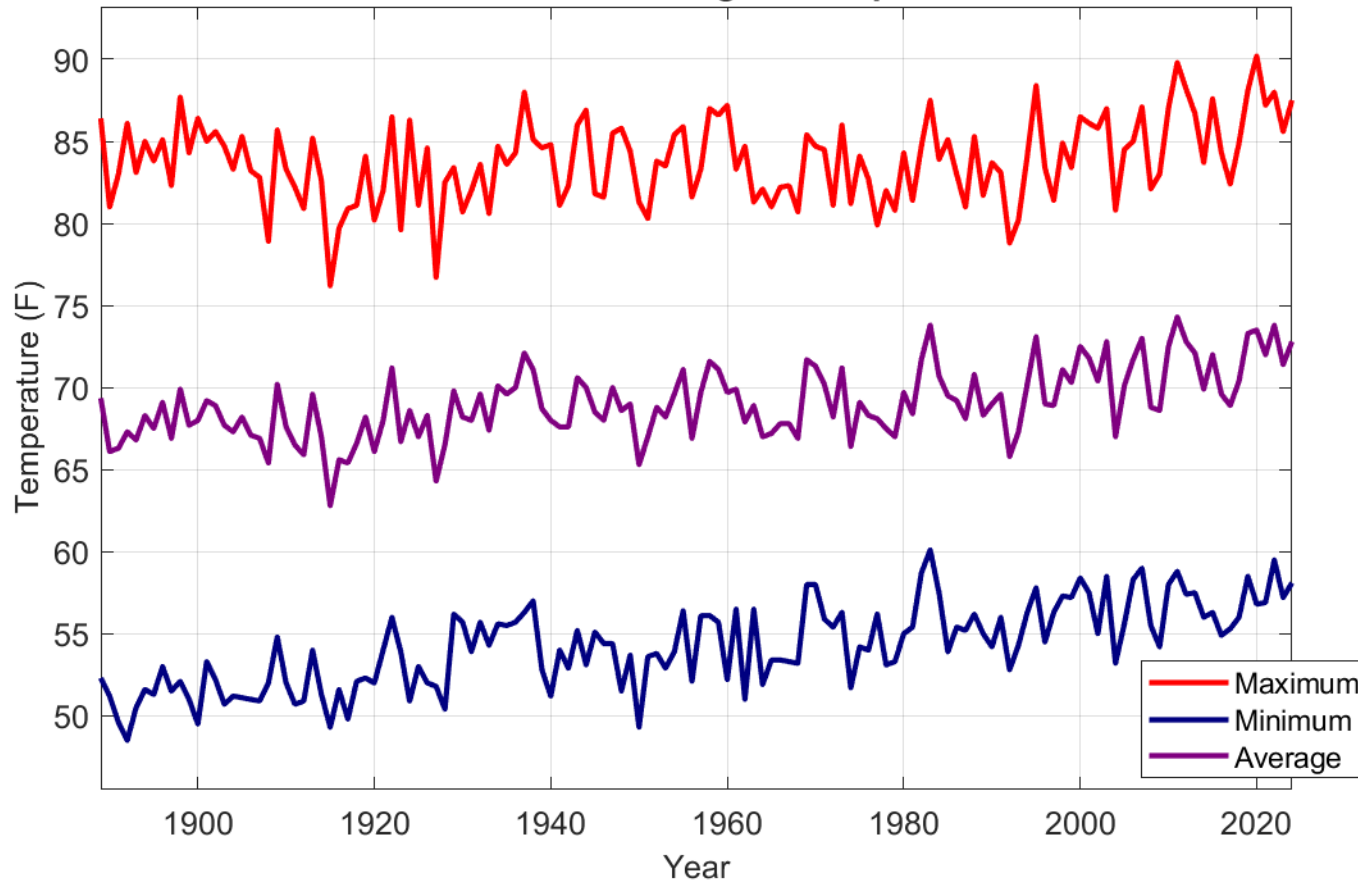
We have received 11.19” of precipitation this Water Year to date, 77.8% of our 1991-2020 normal (14.39”)

The last Water Year to start at least this dry was 2012 (10.06”)

size of points proportional to precip, color shows temperature normals are 1991-2020 years with fewer than 15 missing days shown
 accumulated precipitation (inches) Russ Schumacher/Colorado Climate Center/CSU Data source: ACIS

August 2024 Time Series Graphics

Fort Collins Weather Station August Temperature Timeseries



Highest Daily T_{\max} : 97 °F on August 2nd

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

Highest Daily Precipitation: 0.90" on August 13th

Highest Daily Pan Evaporation: 0.37" on August 2nd

Total Pan Evaporation: 6.48" (108% of normal)



Additional August 2024 Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
T_{mean} °F	72.8	70.7	69	2.1	3.8	2022	2023
Mean(T_{max}) °F	87.5	85	83.8	2.5	3.7	2022	2023
Mean(T_{min}) °F	58.1	56.4	54.3	1.7	3.8	2022	2023
Precipitation "	2.01	1.45	1.42	0.56	0.59	2023	2022
Water Year Precip "	11.19	14.39	13.83	-3.2	-2.64	2023	2012

	Value	Date
Max(T_{max}) °F	97	2 nd
Min(T_{max}) °F	65	11 th
Max(T_{min}) °F	65	19 th
Min(T_{min}) °F	49	31 st
Max(Daily Precip)"	0.90	13 th
Max(Daily Snowfall)"	0	N/A
Peak Wind Gust (mph)	27.3	17 th

Days Precip > 0	22
Days Snowfall > 0	0
Days Precip > Trace	9
Days Snowfall > Trace	0
Days Wind Gust > 20mph	8
Peak Wind Gust Direction	197
Peak Wind Gust Time (MST)	1823 MST



Records Broken

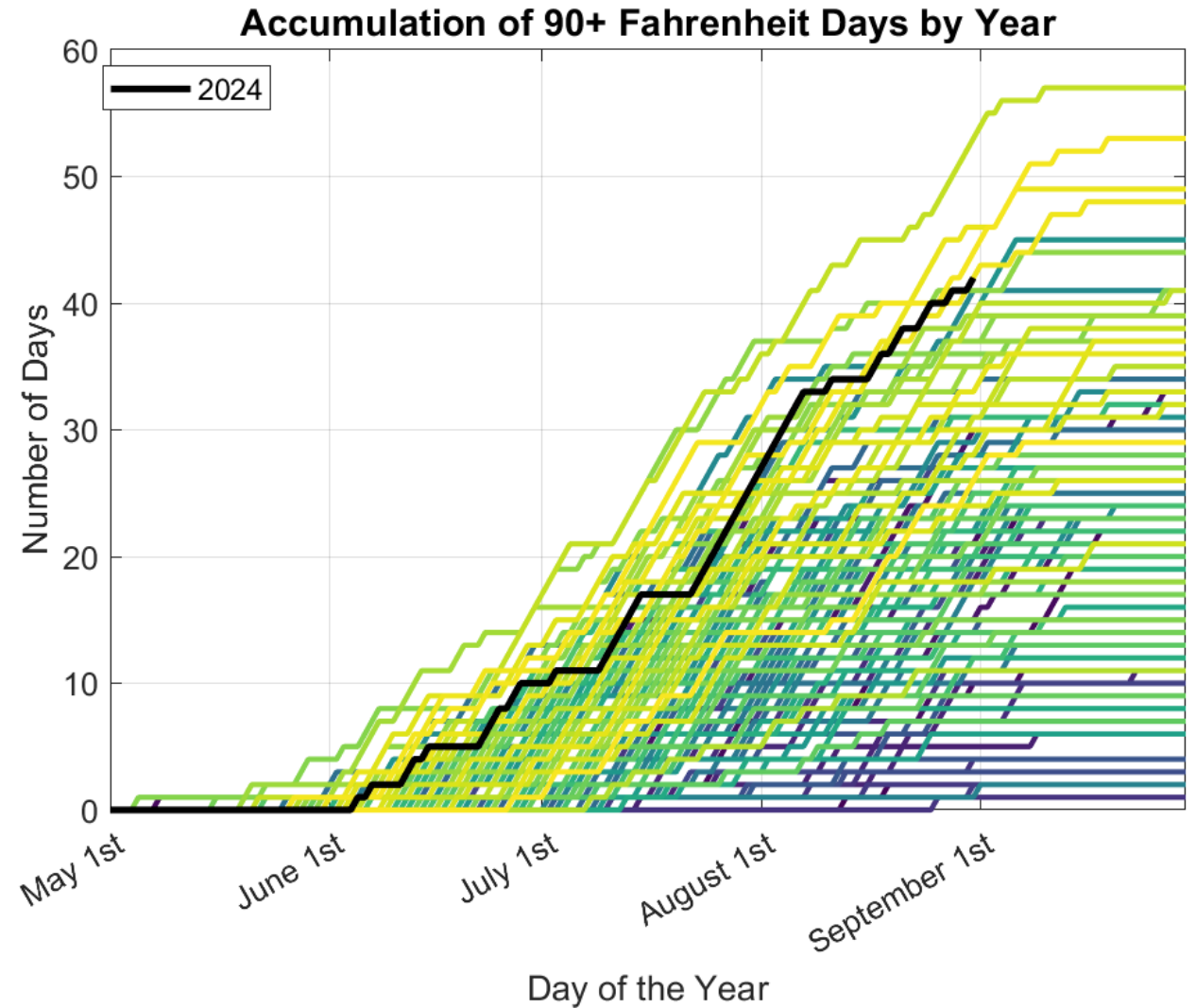
We tied the record for highest maximum daily temperature on 8/17/2024 of 95 °F. This is now a three-way tie between 1892, 2015, and 2024

We tied the record for lowest maximum daily temperature on 8/9/2024 of 65 °F. The record was initially set in 1960

We set a new record for number of straight 90+ °F days (16) starting on July 23rd, 2024 and ending on August 7th, 2024. This breaks the previous record of 14 set in 1987, and tied in 2012

We have recorded 42 90-degree days in 2024. This is the 7th highest for any calendar year on record. It would take an unprecedented number in September to break the record from 2012, but we will likely see a top-5 year

Three of our top-5 years for number of 90-degree days have occurred since 2020 (2020 [48], 2021 [49], and 2022 [53])



Brighter colors (yellow/green = more recent. Darker colors purple/blue = less recent)



CONTACT US!

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