

Fort Collins Weather Station Monthly Summary

September 2024

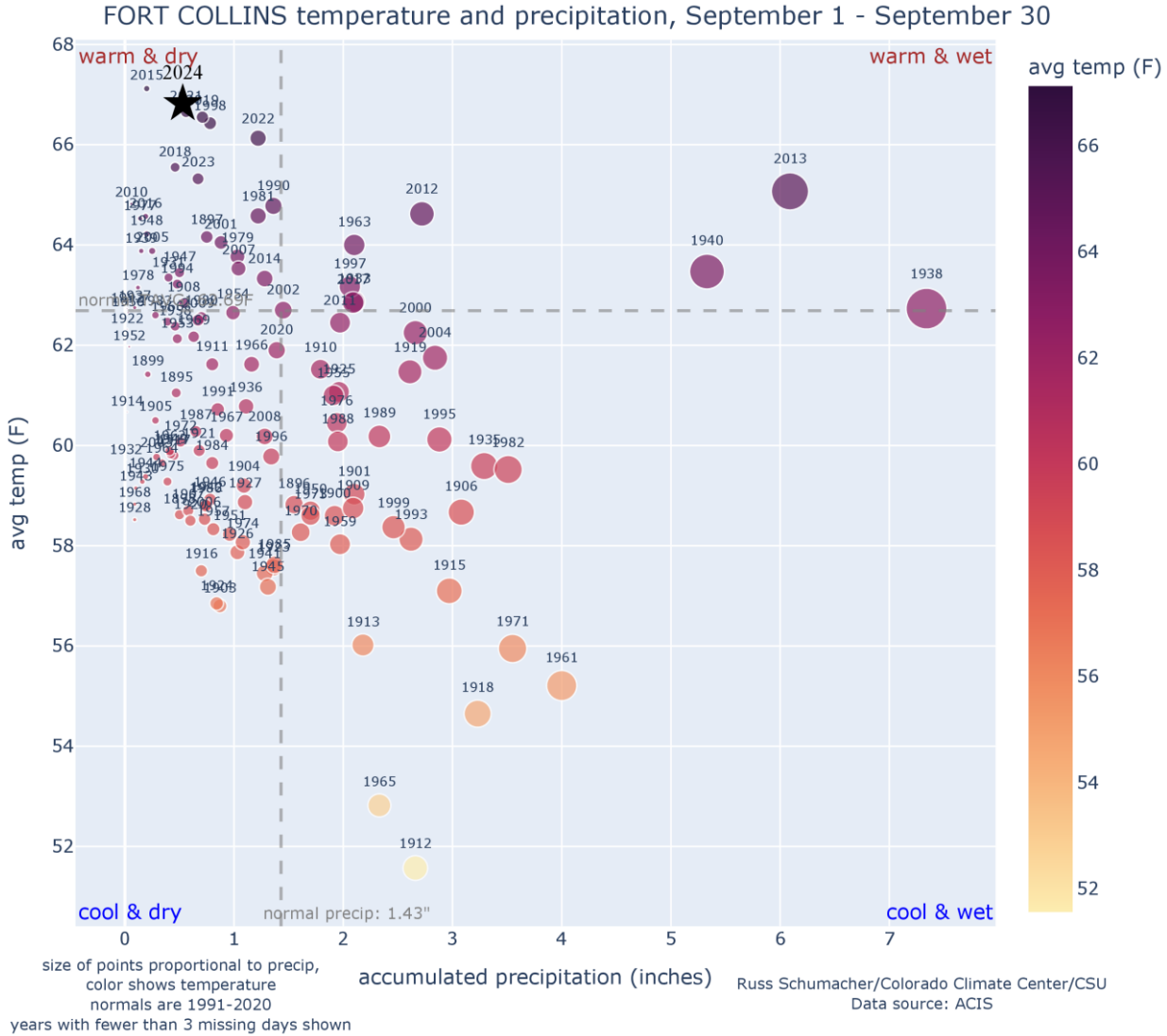


Photo Credit: Noah Newman



ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY

Average September Temperature and Precipitation



The average air temperature for September 2024 was 67.0 °F, 4.3 °F above our 1991-2020 September normal (62.7 °F)

The last, and only, warmer September was 2015 (67.1 °F)

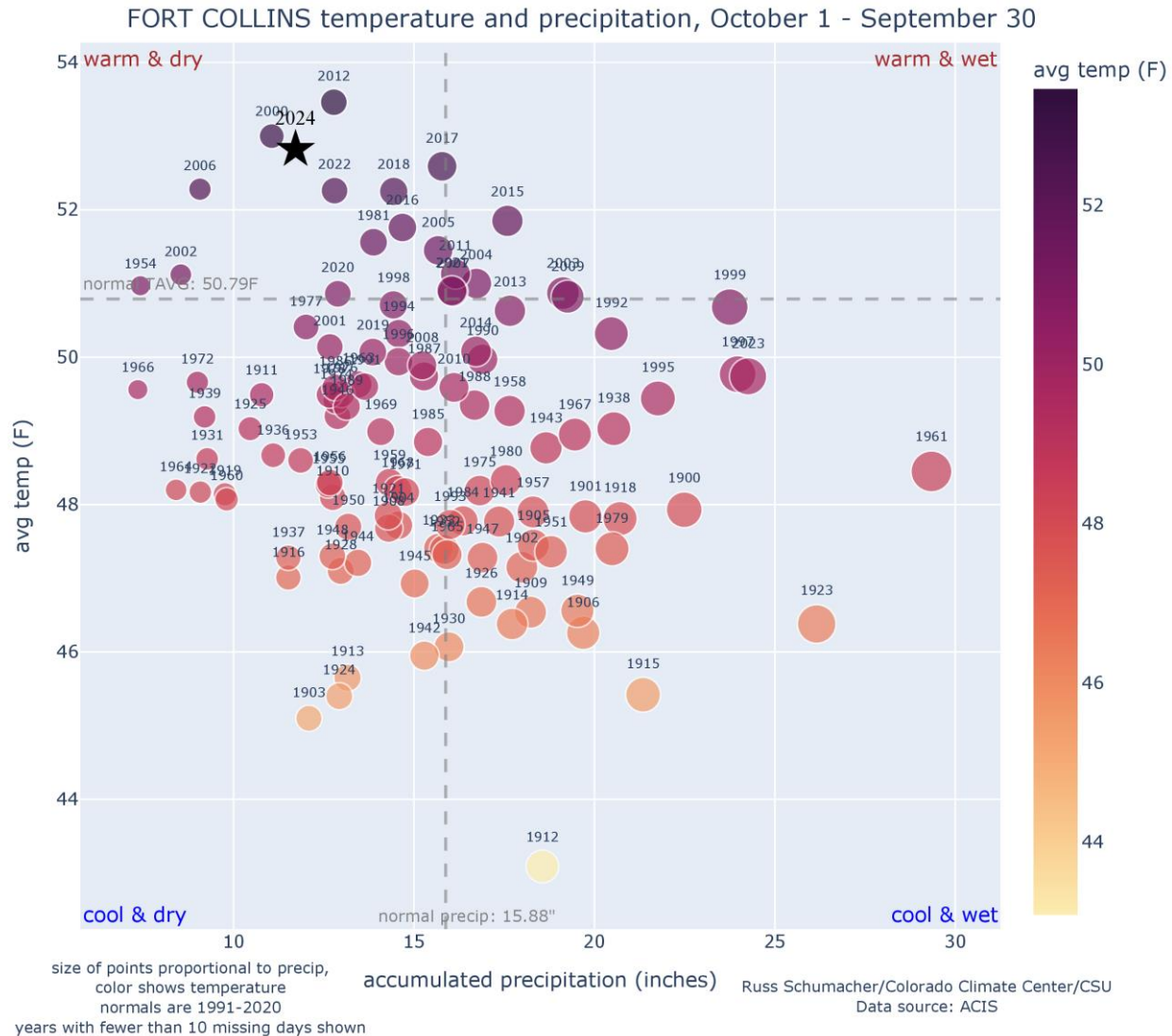
We received 0.53" of precipitation in September 2024, 37.1% of our 1991-2020 September normal (1.43")

The last drier September was 2018 (0.46")

We did not receive any snowfall in September 2024. The last time we received snowfall in September was 2020 (2.7")



Water Year 2024 Temperature and Precipitation



The average air temperature for our 2024 Water Year (October-September, Happy New Water Year) was 52.8 °F. This is 2.0 °F above our 1991-2020 normal of 50.8 °F. This is our third warmest water year on record

The last warmer Water Year was 2012 (53.4 °F).

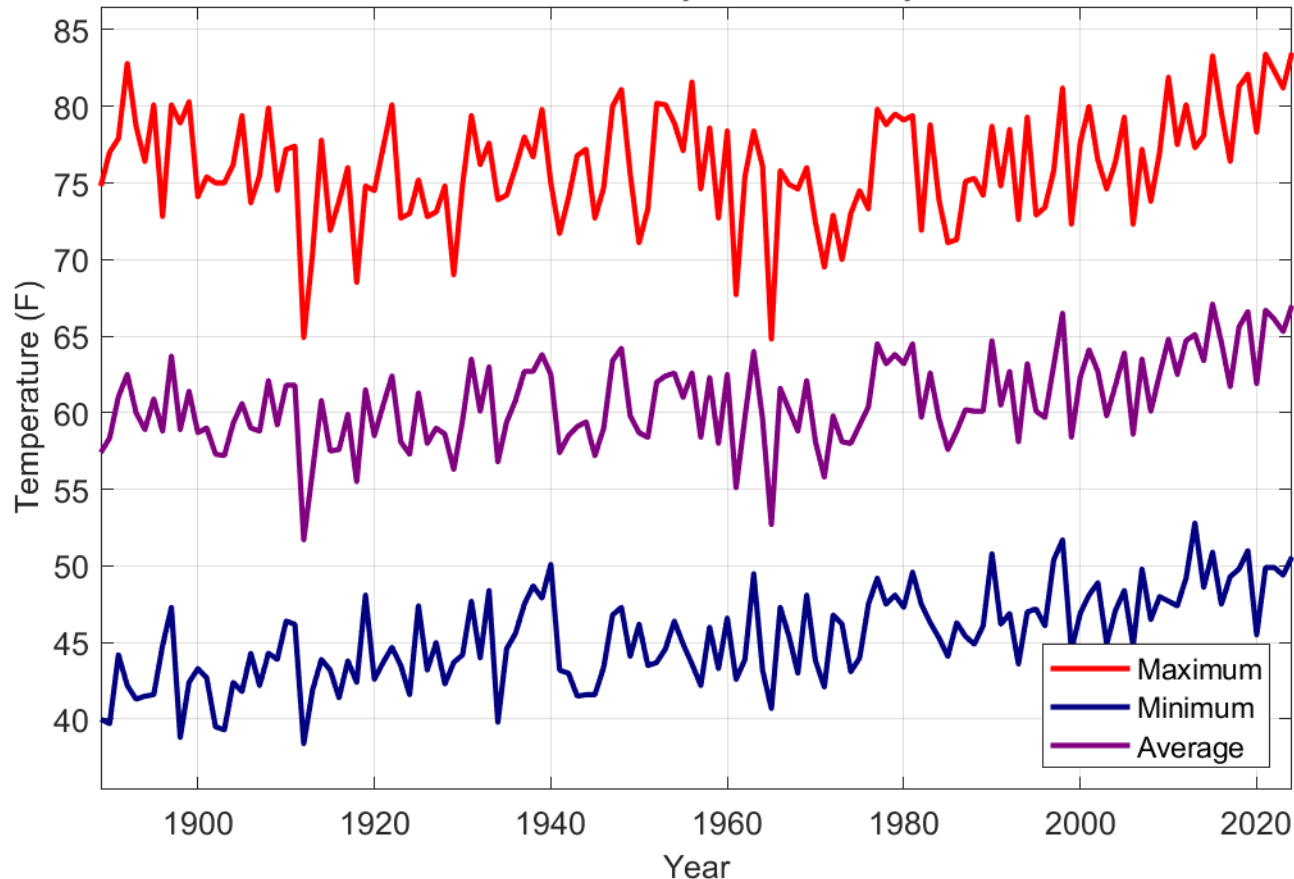
We received 11.72" of precipitation for Water Year 2024, 74.1% of our 1991-2020 normal (15.82")

The drier Water Year was 2006 (9.07")

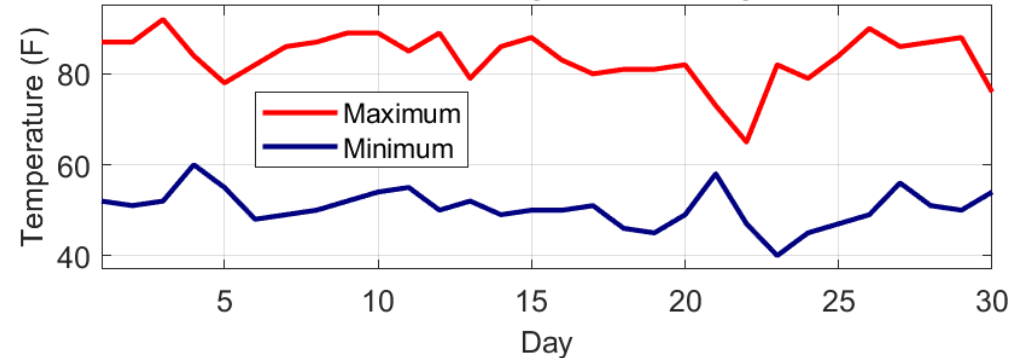


September 2024 Time Series Graphics

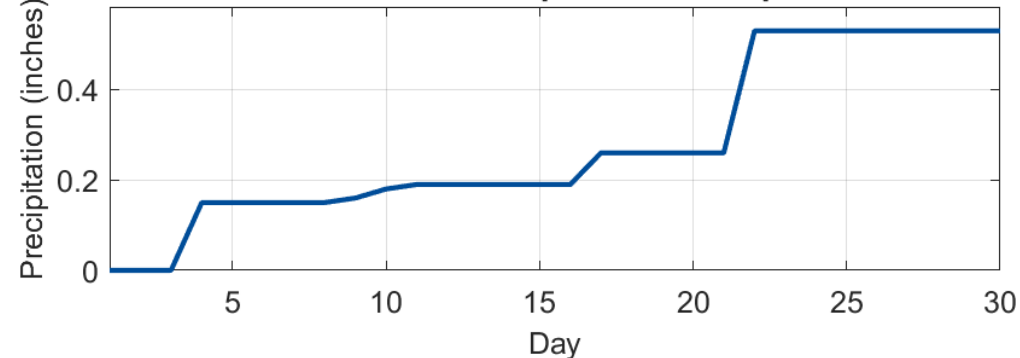
Fort Collins Weather Station September Temperature Timeseries



Fort Collins Weather Station September Temperature Timeseries



Fort Collins Weather Station September Precipitation Timeseries



Highest Daily T_{max} : 92 °F on September 3rd

Lowest Daily T_{min} : 40 °F on September 23rd

Highest Daily Precipitation: 0.27" on September 22nd

Highest Daily Pan Evaporation: 0.31" on September 4th

Total Pan Evaporation: 6.19" (128% of normal)



Additional September 2024 Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
	67	62.7	60.7	4.3	6.3	2015	2023
	83.5	77.4	76.1	6.1	7.4	0	2023
	50.6	47.9	45.3	2.7	5.3	2019	2023
	0.53	1.42	1.29	-0.89	-0.76	2023	2018
Water Year Precip "	11.72	15.82	15.13	-4.1	-3.41	2023	2006
Snowfall "	0	0.7	0.5	-0.7	-0.5	2020	NA
Seasonal Snowfall "	0	0.7	0.5	-0.7	-0.5	2020	NA

	Value	Date
	92	3 rd
	65	22 nd
	60	4 th
	40	23 rd
	0.27	22 nd
	0	N/A
Peak Wind Gust (mph)	25.2	17 th

Days Precip > 0	11
Days Snowfall > 0	0
Days Precip > Trace	6
Days Snowfall > Trace	0
Days Wind Gust > 20mph	6
Peak Wind Gust Direction	218
Peak Wind Gust Time (MST)	1345 MST

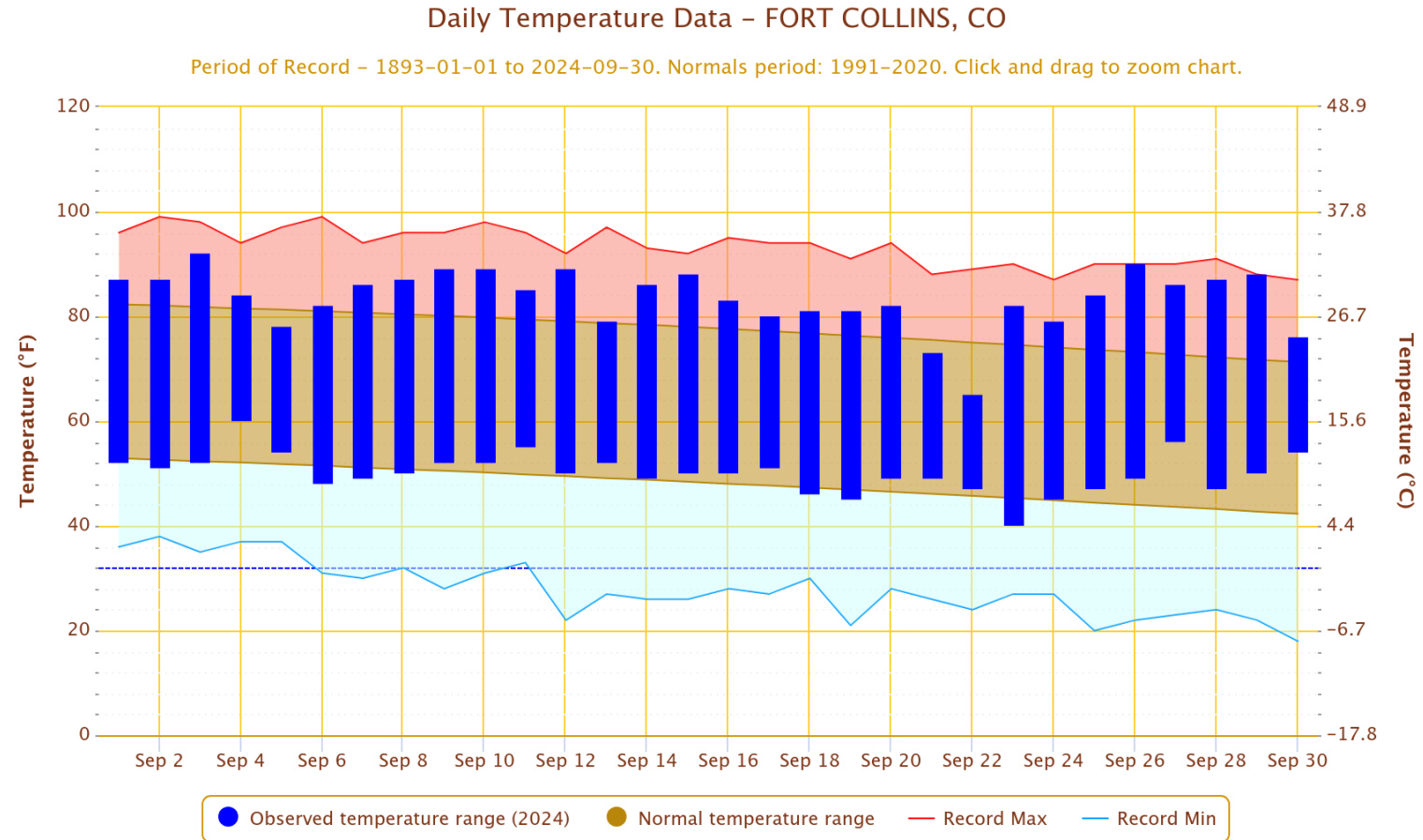


Records Broken

We tied the record for highest maximum daily temperature on September 26th of 90 °F. This record was initially set in 2001

We broke the record for monthly average maximum daily temperature (83.5 °F). The previous record was 83.4 °F (2021). We set this record despite only two days over 90 degrees.

We nearly set a new record for warmest September with an average temperature of 67.0 °F. The record from 2015 is 67.1 °F



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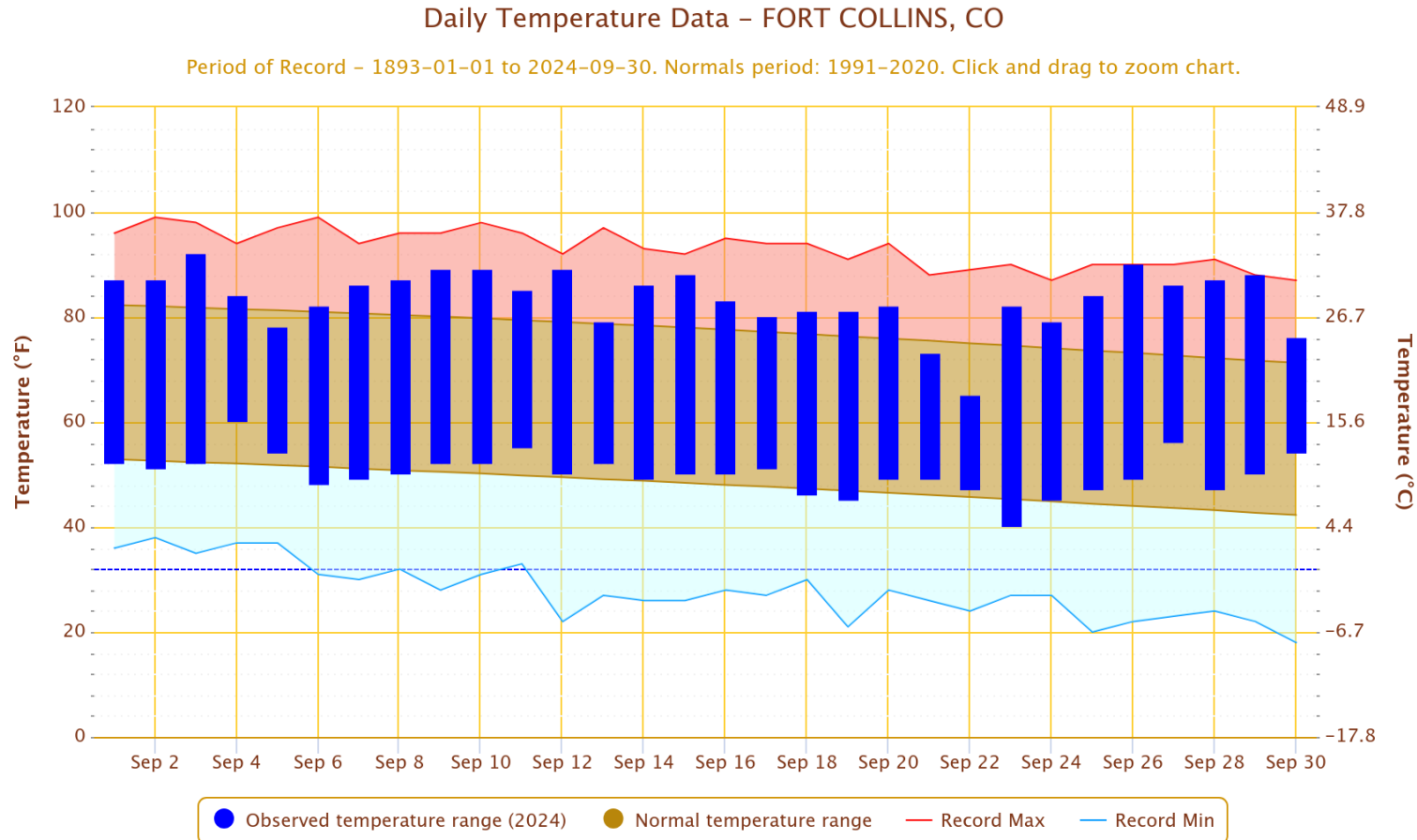


Feature Story: Prolonged Warmth

Typically, temperatures cool considerably from the beginning to the end of September. The average daily temperature goes from 68 °F on September 1st to 57 °F on September 30th

Not so this year. The average daily temperature anomaly in the final week of September was +8.9 °F, which would be about average for the first week of the month

The season will catch up with us eventually. The average daily temperature on October 31st is 45 °F, and the average low is 31 °F. The time to blow out the sprinklers is coming



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CONTACT US!

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