

Fort Collins Weather Station Monthly Summary

October 2024

Halloween Fog

Photo Credit: Russ
Schumacher

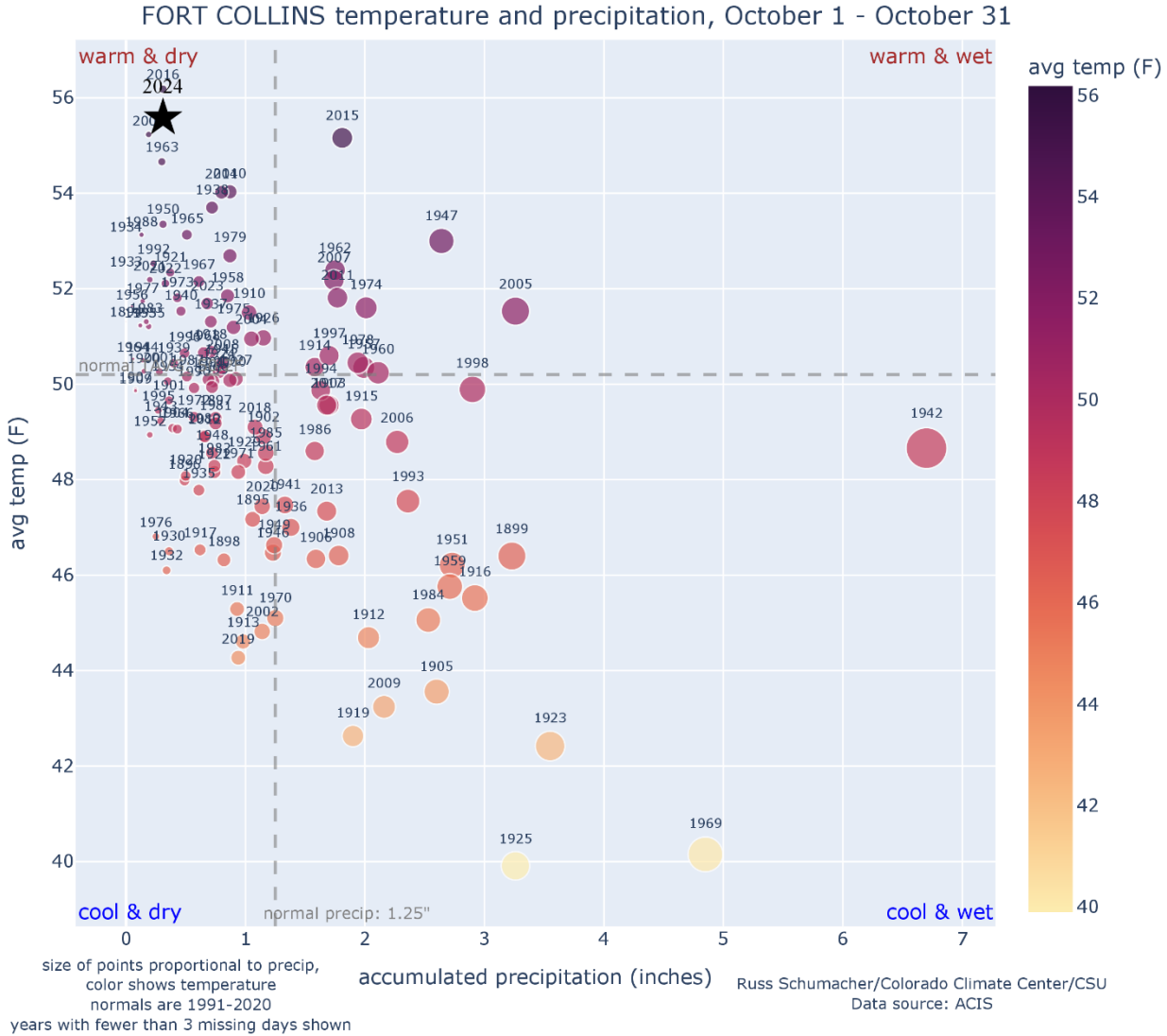


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Average October Temperature and Precipitation



The average air temperature for October 2024 was 55.6 °F, 5.4 °F above our 1991-2020 October normal (50.2 °F)

The last, and only, warmer October was 2015 (56.2 °F). This is the second month in a row where 2024 was the second warmest year on record

We received 0.31" of precipitation in October 2024, 24.8% of our 1991-2020 October normal (1.25")

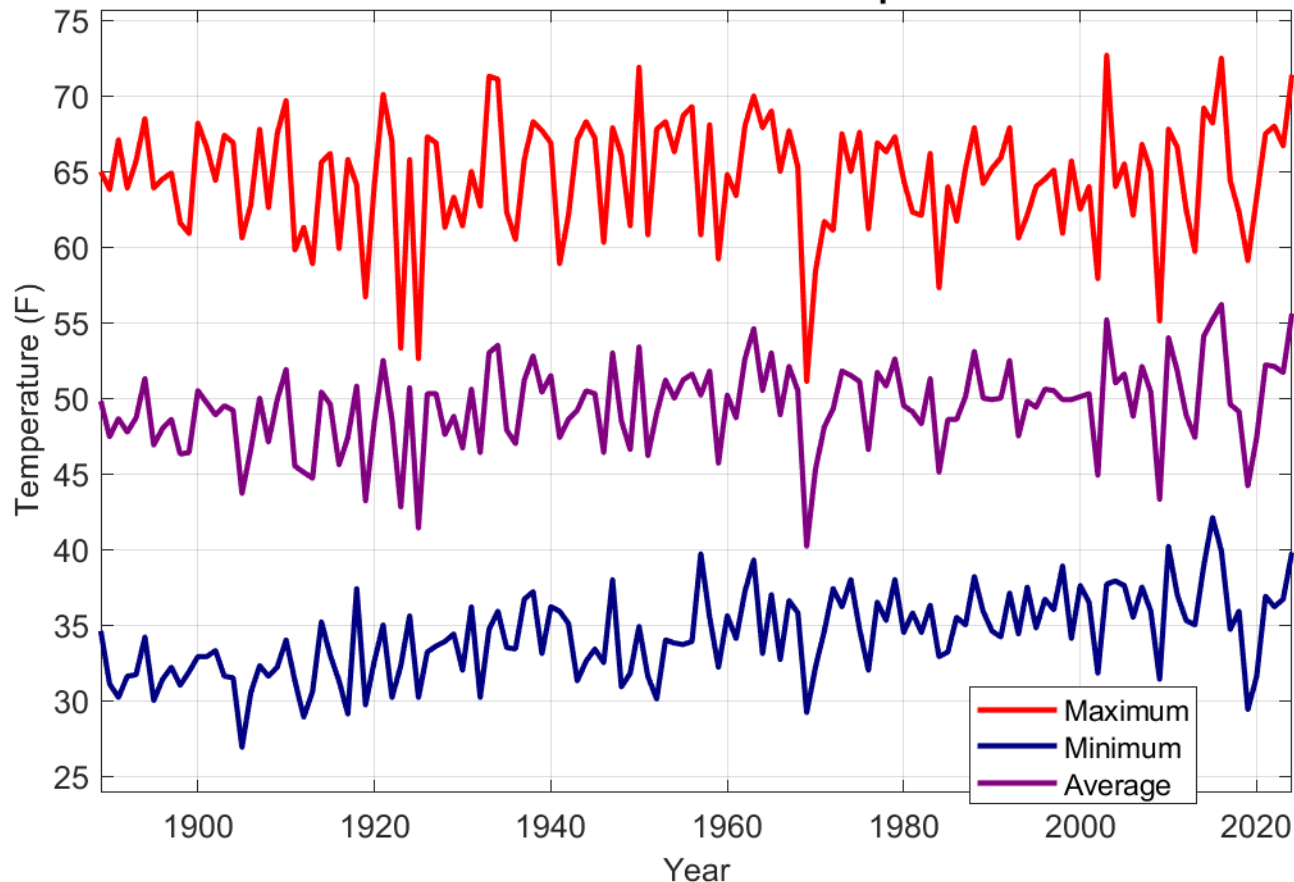
The last drier October was 2021 (0.20")

We received 0.1" of snowfall in October 2024, 2.4% of our normal October snowfall (4.1"). The last time we received less snowfall in October was 2021 (0.0")

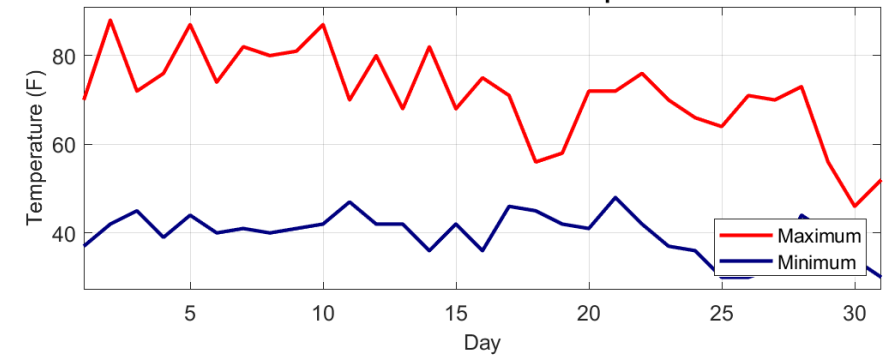


October 2024 Time Series Graphics

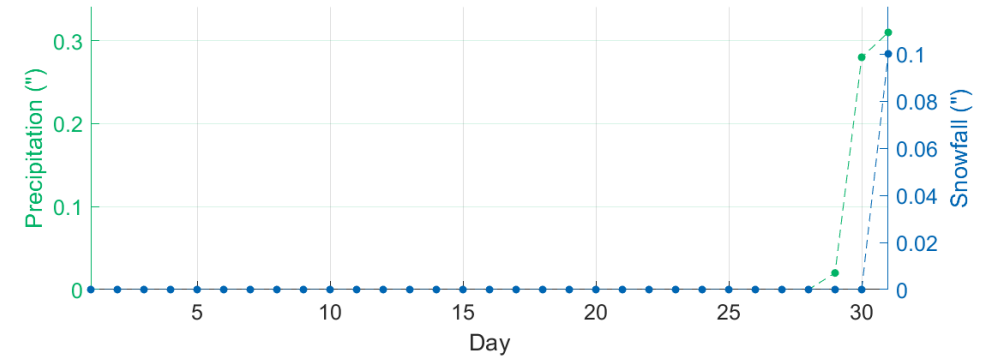
Fort Collins Weather Station October Temperature Timeseries



Fort Collins Weather Station October Temperature Timeseries



Fort Collins Weather Station October Precipitation and Snowfall Timeseries



Highest Daily T_{max} : 88 °F on October 2nd

Lowest Daily T_{min} : 30 °F on October 25th, 26th, and 31st

Highest Daily Precipitation: 0.26" on October 30th

Highest Daily Pan Evaporation: 0.20" on October 1st
(now closed for season)

Total Pan Evaporation: 3.62" (112% of normal)



Additional October 2024 Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
Tmean °F	55.6	50.2	49.4	5.4	6.2	2016	2023
Mean(Tmax) °F	71.4	64.3	64.6	7.1	6.8	2016	2023
Mean(Tmin) °F	39.8	36.1	34.3	3.7	5.5	2016	2023
Precipitation "	0.31	1.25	1.11	-0.94	-0.8	2023	2021
Water Year Precip "	0.1	4.1	3.1	-4	-3	2023	2021
Snowfall "	0.31	1.25	1.1	-0.94	-0.79	2023	2021
Seasonal Snowfall "	0.1	4.7	3.5	-4.6	-3.4	2023	2021

	Value	Date
Max(T _{max}) °F	88	2 nd
Min(T _{max}) °F	46	30 th
Max(T _{min}) °F	48	21 st
Min(T _{min}) °F	30	25 th , 26 th , 31 st
Max(Daily Precip)"	0.27	22 nd
Max(Daily Snowfall)"	0	N/A
Peak Wind Gust (mph)	27.2	24 th

Days Precip > 0	9
Days Snowfall > 0	1
Days Precip > Trace	3
Days Snowfall > Trace	1
Days Wind Gust > 20mph	3
Peak Wind Gust Direction	326
Peak Wind Gust Time (MST)	1140 MST



Records Broken

We set a new highest maximum daily temperature record on October 2nd of 88 °F. The previous record was 87 °F from 2011. This is tied for the highest temperature we have ever recorded in October

We set a new highest maximum daily temperature record on October 5th of 87 °F. The previous record was 85 °F from 1998.

We set a new highest maximum daily temperature record on October 10th of 87 °F. The previous record was 83 °F, which was a three-way tie between 1926, 1979, and 2015.

We tied the record for highest maximum daily temperature from 1958 on October 14th of 82 °F.

We tied the record for highest minimum daily temperature from 1978 on October 21st of 48 °F



Photo Source: <https://admissions.colostate.edu/2024/10/09/fall-in-fort-collins-best-places-to-peep-leaves-when-you-come-to-csu/>



Feature Story: Statistics from a Warm Fall

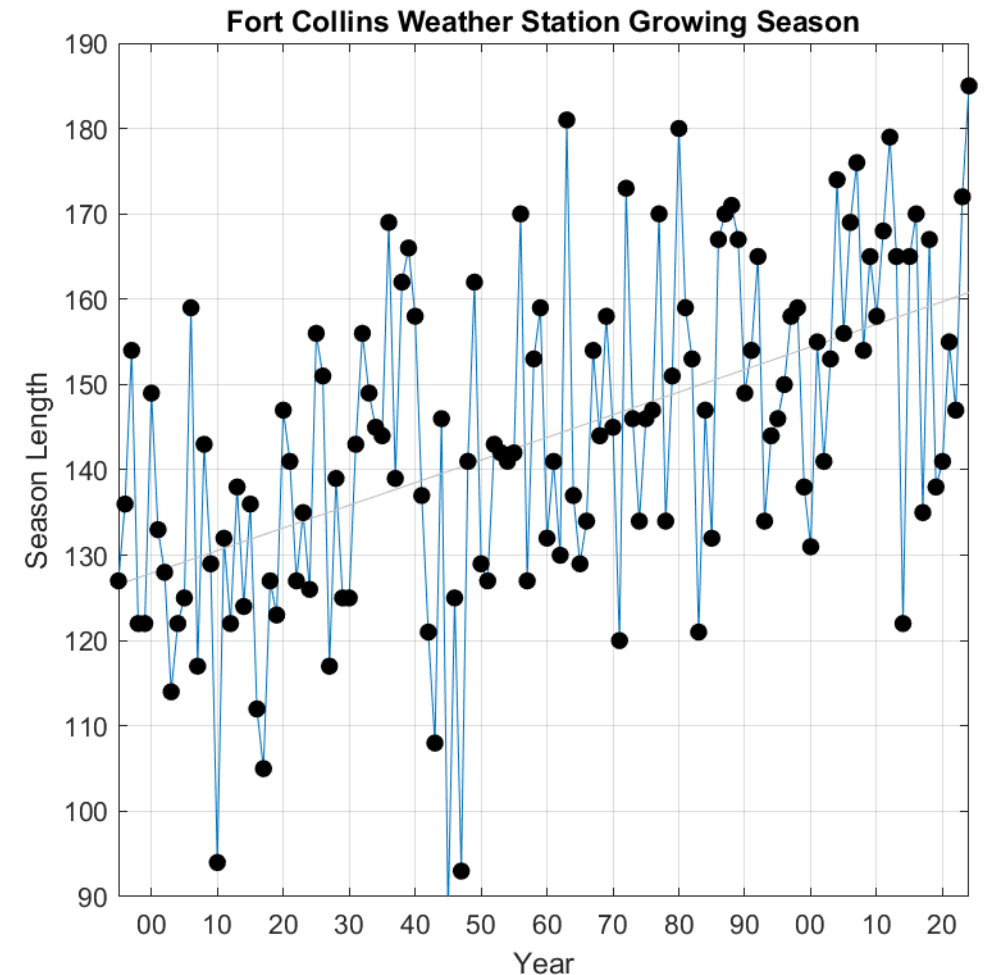
We experienced our latest first frost on record, October 25th, breaking the old record from 2015 by one day.

We experienced our longest growing season on record (streak of days with $T_{\min} > 32$ °F) with 185 days. The previous record was 1963 with 181 days.

Throughout the Fort Collins Weather Station History our growing season has increased at a rate of 2.5 days/decade, which is statistically significant at 99% confidence.

We experienced our warmest September-October on record with an average temperature of 61.3 °F. The previous record is 2015 with an average temperature of 61.0 °F.

The current record for warmest Autumn (September-November) is 55.4 °F in 2016. The average temperature in November would have to be 43.4 °F or below in order to not break this record. That is still balmy than average, but three of the last ten Novembers have been warmer. Stay tuned!



CONTACT US!

SUMMARY AUTHOR/ASSISTANT STATE CLIMATOLOGIST – PETER GOBLE –
PETER.GOBLE@COLOSTATE.EDU

WEATHER STATION MANAGER – NOAH NEWMAN –
NOAH.NEWMAN@COLOSTATE.EDU

DATA QA/QC – KRISTIE DAVIS – KRISTIE.DAVIS@COLOSTATE.EDU

STATE CLIMATOLOGIST – RUSS SCHUMACHER –
RUSS.SCHUMACHER@COLOSTATE.EDU