

Fort  
Collins  
Weather  
Station  
Monthly  
Summary

January  
2024

Photo Credit: Noah  
Newman

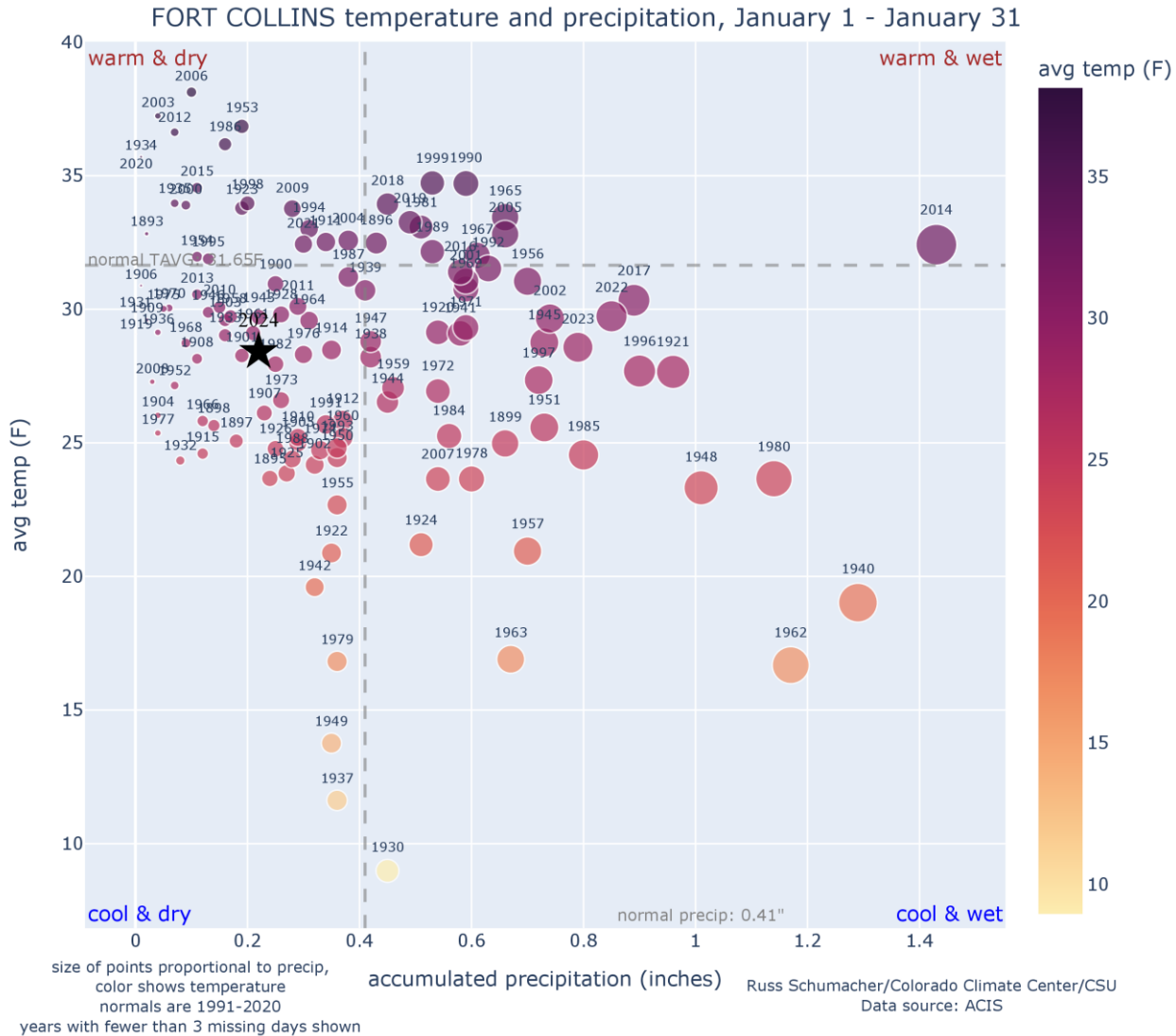


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COLORADO STATE UNIVERSITY

# Average January Temperature and Precipitation



The average air temperature for January 2024 was 28.4 °F, 3.3 °F below our 1991-2020 January normal (31.7 °F)

The last colder January was 2008 (27.2 °F), however the average temperature for January 2023 was also 28.4 °F

We received 0.22" of precipitation in January 2024, 54% of our 1991-2020 January normal (0.41")

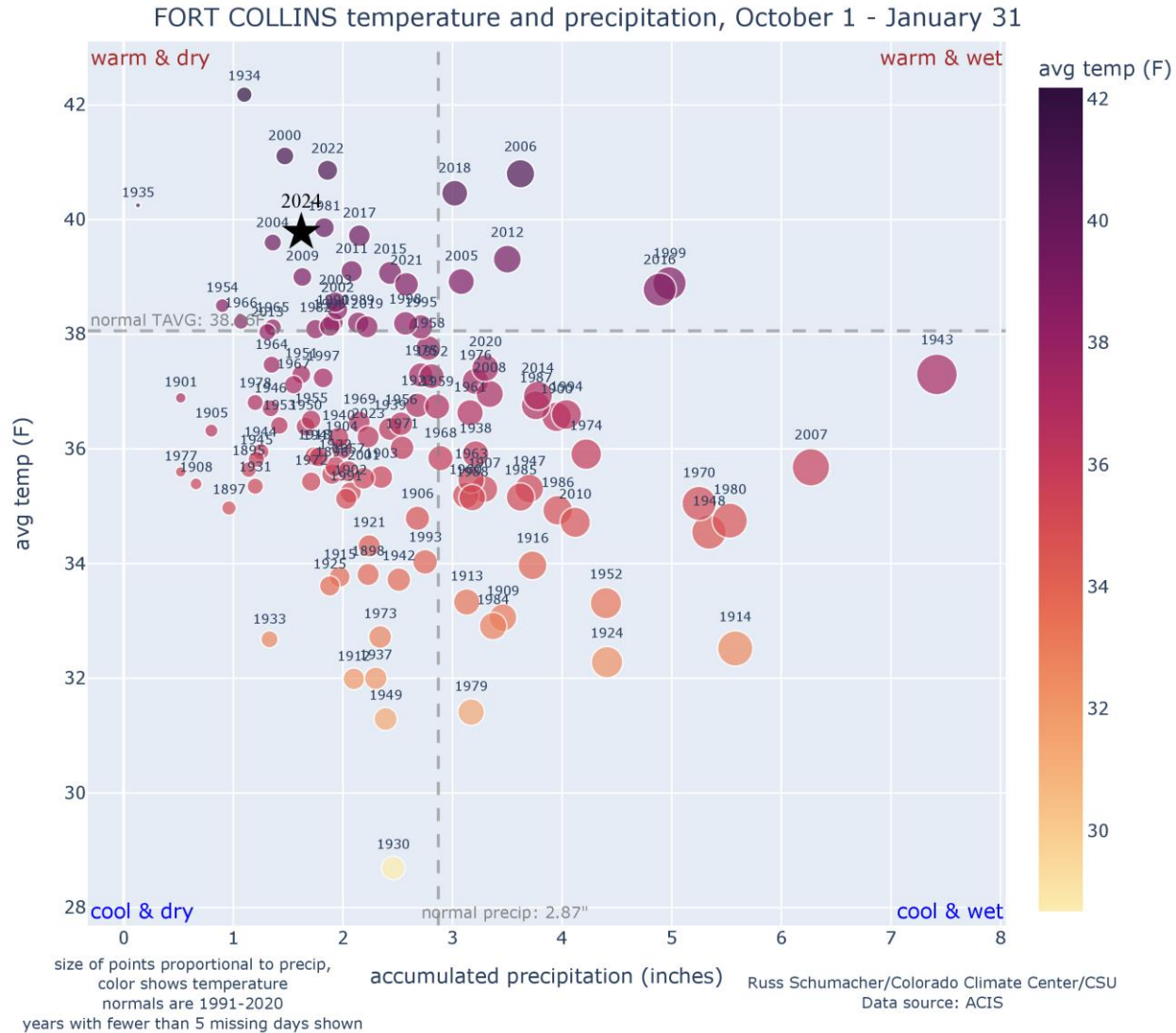
The last drier January was 2020 with only a trace of precipitation

We received 3.0" of snowfall in January 2024, 45% of our 1991-2020 January normal (6.7")

The last January with less snow was 2020 with only a trace of snowfall



# Water Year 2024 Temperature and Precipitation



The average air temperature for water year 2024 to date (Oct 2023 – Jan 2024) is 39.8 °F. This is 1.8 °F warmer than the 1991-2020 normal (38.0 °F).

The last warmer October-January year was 2022 (40.8 °F)

We have received 1.62” of precipitation for water year 2024 to date (Oct 2023 – Jan 2024). This is 57% of our 1991-2020 normal (2.87”)

The last drier beginning four months of a water year was 2013 (1.31”).

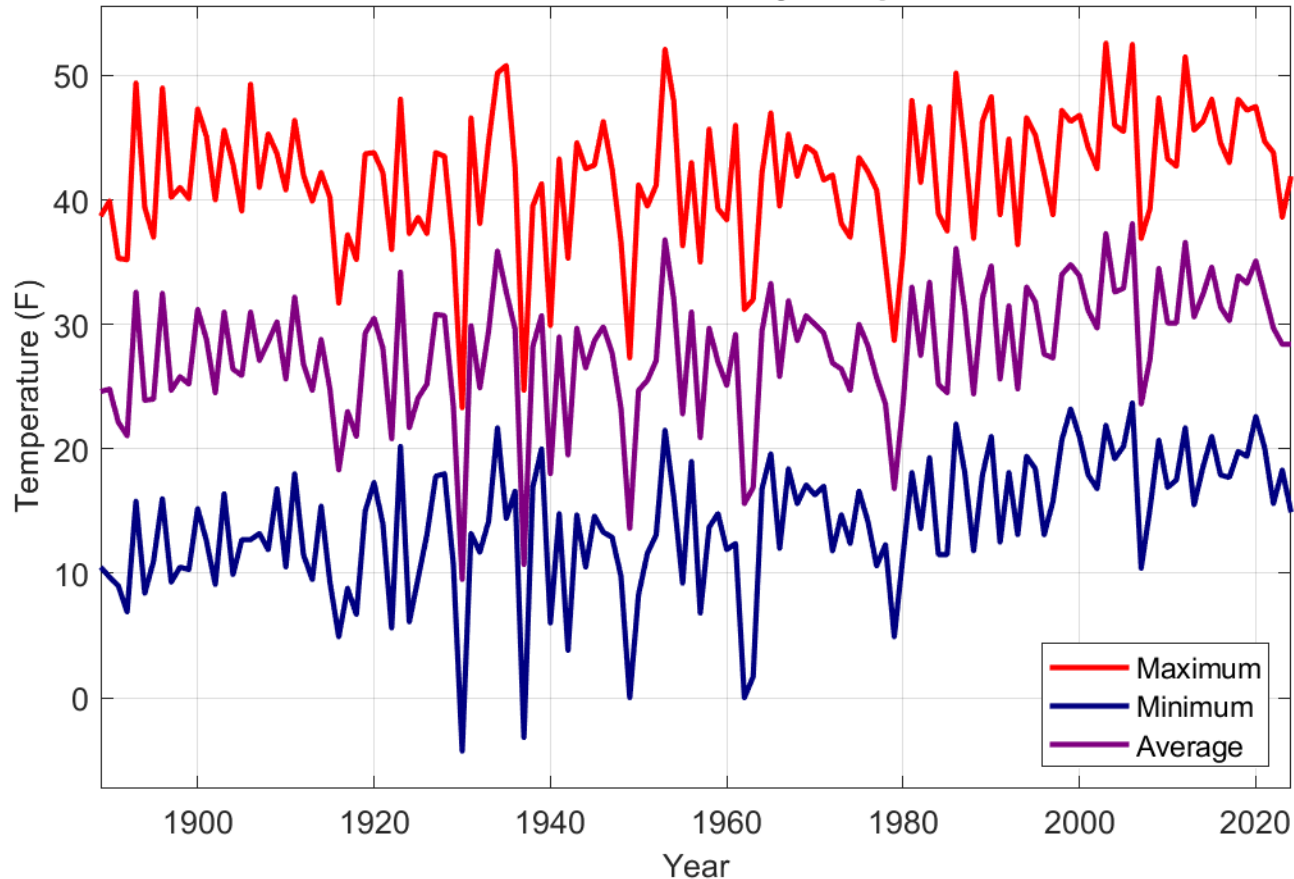
We have received 18.1” of snowfall for the snow season to date. This is 69% of our 1991-2020 normal snow season to date (26.1”).

The last snow season through January lower than 2024 was 2019 (15.6”). The 2019 season made a strong recovery in March/April; we have time

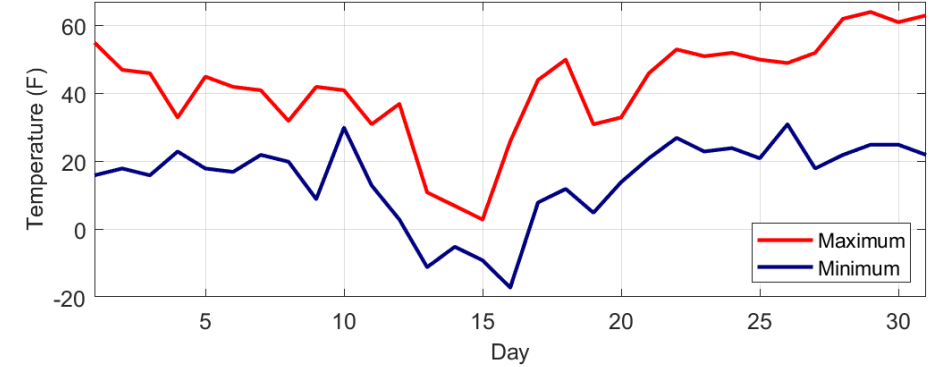


# January 2024 Time Series Graphics

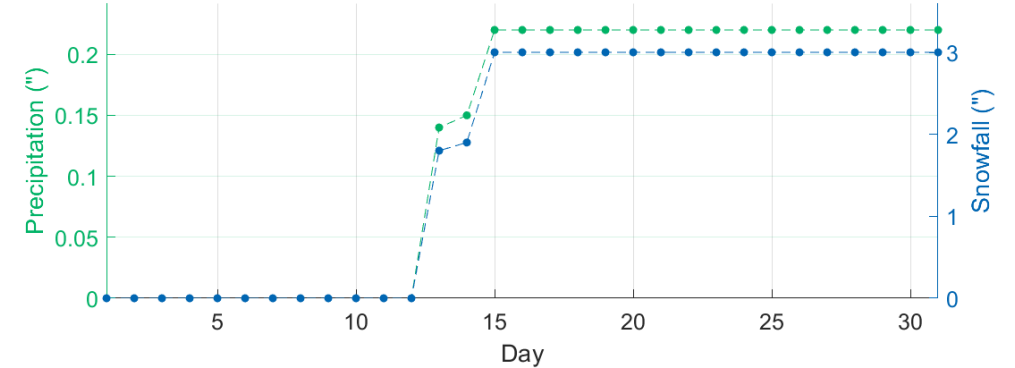
Fort Collins Weather Station January Temperature Timeseries



Fort Collins Weather Station January Temperature Timeseries



Fort Collins Weather Station January Precipitation and Snowfall Timeseries



Highest Daily  $T_{max}$ : 64 °F on January 29<sup>th</sup>

Lowest Daily  $T_{min}$ : -17 °F on January 16<sup>th</sup>

Highest Daily Precipitation: 0.14" on January 13<sup>th</sup>

Highest Daily Snowfall: 1.8" on January 13<sup>th</sup>





# Additional January 2024 Statistics

	Observed	1991-2020 Normal	POR Average	Depart from Normal	Depart from POR Average	Last Above	Last Below
Tmean °F	28.4	31.7	27.9	-3.3	0.5	2022	2009
Mean(Tmax) °F	41.9	45	41.9	-3.1	0	2022	2023
Mean(Tmin) °F	14.9	18.3	13.9	-3.4	1	2023	2008
Precipitation "	0.22	0.41	0.38	-0.19	-0.16	2023	2020
Snowfall "	3	6.7	6.1	-3.7	-3.1	2023	2021
Oct-Jan Precipitaiton "	1.62	2.84	2.57	-1.22	-0.95	2023	2013
Oct-Jan Snowfall "	18.1	26.1	22.8	-8	-4.7	2023	2019

	Value	Date
Max(T <sub>max</sub> ) °F	64	29 <sup>th</sup>
Min(T <sub>max</sub> ) °F	3	15 <sup>th</sup>
Max(T <sub>min</sub> ) °F	31	26 <sup>th</sup>
Min(T <sub>min</sub> ) °F	-17	16 <sup>th</sup>
Max(Daily Precip)"	0.14	13 <sup>th</sup>
Max(Daily Snowfall)"	1.8	13 <sup>th</sup>
Peak Wind Gust (mph)	44.8	10 <sup>th</sup>

Days Precip > 0	6
Days Snowfall > 0	6
Days Precip > Trace	3
Days Snowfall > Trace	3
Days Wind Gust > 20mph	8
Peak Wind Gust Direction	275
Peak Wind Gust Time (MST)	1049 MST

POR = period of record (1889-2023)

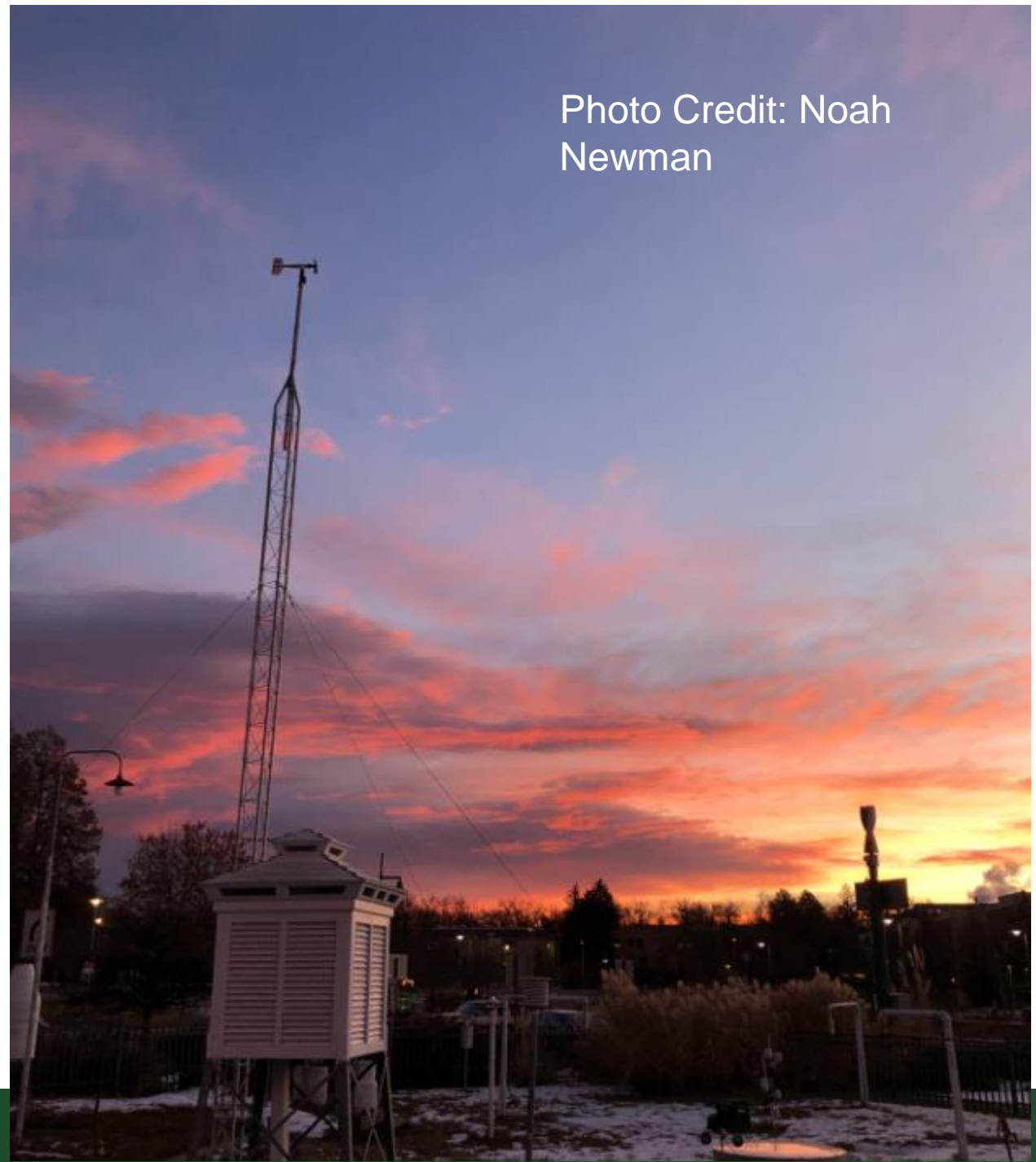


# Records Broken

We set a new record lowest daily minimum temperature on January 16<sup>th</sup> of -17 °F. This breaks the long-standing record of -16 °F set in 1917

Our January 16<sup>th</sup> low temperature of -17 °F ties the coldest mark set on any date since 1996. It is tied with December 22<sup>nd</sup>, 2022

Photo Credit: Noah Newman



# CONTACT US!

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