

Rochester Weather - October 2024 Summary

by Richard Bernatz

Weather data available online at <http://faculty.luther.edu/~bernatzr/RocWx/>

1. OCTOBER 2024 TEMPERATURES

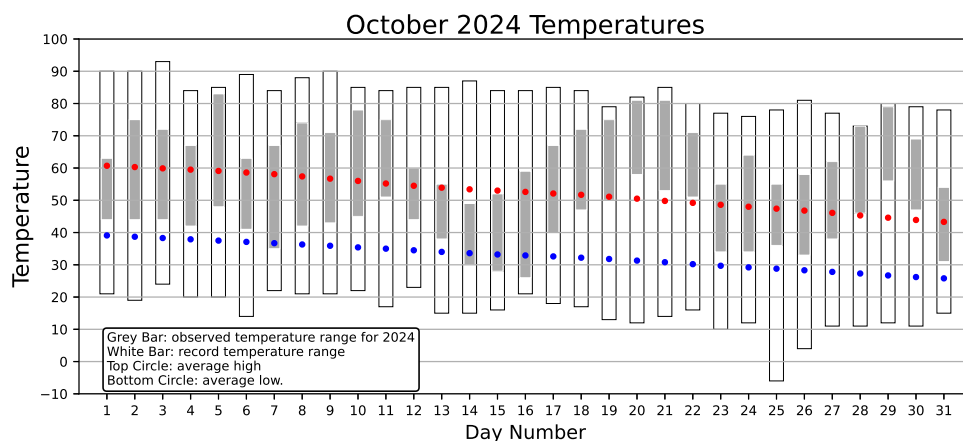


Figure 1: **Grey Bar:** Observed temperature range for 2024, **White Bar:** Record temperature range, **Circles:** Average temperature range, red circle for average high, blue circle for average low.

Temperature (° F)	October 2024	Historical	Deviation
Average High	67.1	59.1	+8.0
Average Low	41.9	37.8	+4.1
Daily Average	54.5	48.0	+6.0

Table 1: October 2024 average temperatures compared to October averages.

- **OCTOBER 2024**
 - Record Temperatures: maximum of 73° F on the 28th (old record was 72° F in 1945), minimum maximum (lowest daytime high) of 56° F on the 29th (old record was 55° F record set in 2004)
 - Twenty-eight days with above average maximum temperature
 - Twenty-seven days with an above average minimum temperature
 - Average temperature : 67.1° F (8.0° F warmer than average)
 - Warmest temperature : 83° F on the 5th.
 - Coldest temperature : 26° F on the 16th
 - Heating degree days : 335.5, 175.8 less than the average of 511.3
- **ALL OCTOBERS SINCE 1887** (114 years, data for missing for 1889-1891, 1893-1907, 1921-1928)
 - Compared with October 2024, 4 Octobers were warmer and 109 Octobers were cooler
 - Warmest average : 58.1° F in 1963
 - Coldest average : 37.4° F in 1917
 - Warmest October temperature : 93° F on the 3rd of 1997
 - Coldest October temperature : -6° F on the 25th of 1887

2. OCTOBER 2024 PRECIPITATION

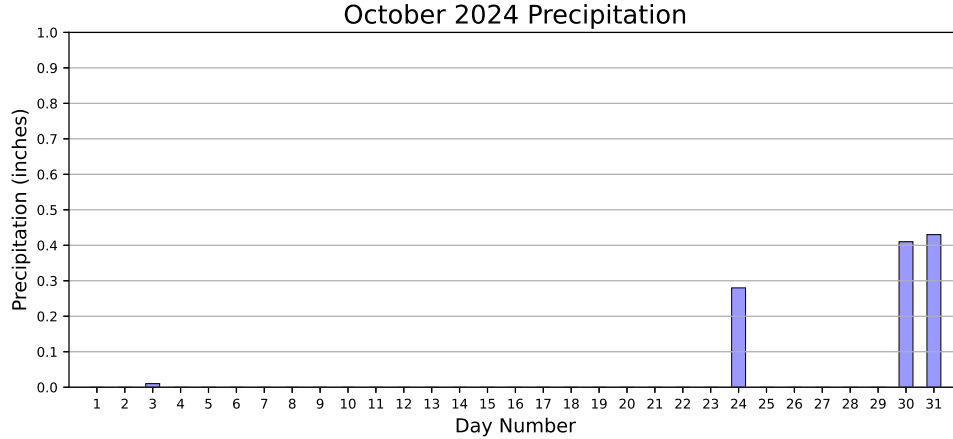


Figure 2: October precipitation for Rochester.

- OCTOBER 2024
 - Total precipitation for October 2024 : 1.12 inches, 1.00 inches less than the average precipitation of 2.12 inches
 - Four days with measurable precipitation, the average is 8 days
 - Greatest 24-hour total : 0.43 inches on the 31st.
- ALL OCTOBERS: 1887 - 2024 (114 years, data missing for 1888-1907, 1920-1928)
 - Compared with October 2024, 83 Octobers were wetter and 30 Octobers were drier
 - Wettest October: 9.11 inches in 1911
 - Driest October : 0.01 inches in 1952

3. TWELVE-MONTH SUMMARY

Month	Year	Ave Temp (°F)	Deviation (°F)	Rank [†] (#/Total)	Precip (inches)	Deviation (inches)	Rank [‡] (#/Total)
November	2023	36.2	+3.3	30/113	0.11	-1.48	109/112
December	2023	31.8	+12.5	1/111	1.13	+0.07	48/111
January	2024	19.3	+6.3	21/113	0.66	-0.24	66/109
February	2024	32.7	+15.4	1/112	0.34	-0.50	87/110
March	2024	37.3	+7.3	11/113	2.35	+0.57	33/111
April	2024	46.8	+1.9	34/112	3.92	+1.08	23/107
May	2024	59.5	+2.4	29/112	4.33	+0.48	40/111
June	2024	67.9	+0.9	44/112	9.86	+5.27	3/109
July	2024	70.6	-0.6	70/112	4.76	+0.90	38/112
August	2024	68.5	-0.2	64/113	4.92	+1.09	33/113
September	2024	65.4	+6.0	6/114	0.77	-2.48	104/114
October	2024	67.1	+8.0	5/114	1.22	-1.00	84/114

Table 2: Monthly temperature and precipitation data for 2024. [†]- The smaller the number (#), the warmer the month. [‡]- The smaller the number (#), the wetter the month. Boxed entries are within the historical top or bottom ten.

- Ten of the last 12 months were warmer than average.
- Seven of the last 12 months were wetter than average. October of 2024 is the second month in a row with below average precipitation.
- Precipitation deviations. last 3 months : -2.40, last 6 months : +4.25 inches, last 9 months: +5.41, last 12 months: +3.76