

Decorah Weather - June 2023 Summary

by Richard Bernatz

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

1. JUNE 2023 TEMPERATURES

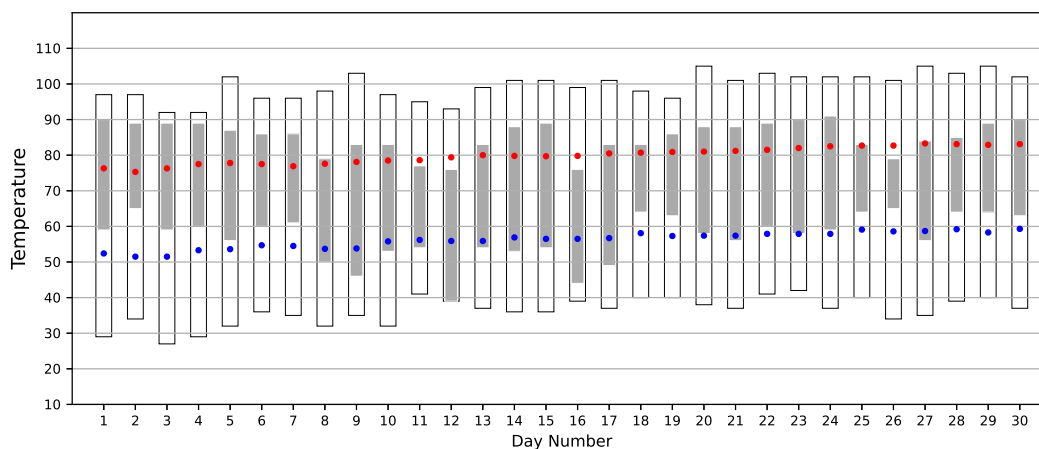


Figure 1: **Grey Bar:** Observed temperature range for 2023, **White Bar:** Record temperature range, **Circles:** Average temperature range, red circle for average high, blue circle for average low.

Temperature (° F)	June 2023	Historical	Deviation
Average High	85.2	80.1	+5.1
Average Low	57.0	56.4	+0.6
Daily Average	71.1	68.3	+2.8

Table 1: June 2023 average temperatures compared to June averages.

- JUNE 2023
 - Record Temperatures: Minimum of 39° F on the 12th (ties the record set in 1903)
 - Average temperature : 71.1° F (2.8° F warmer than average)
 - Warmest temperature : 91° F on the 24th
 - Coldest temperature : 39° F on the 12th
 - Cooling degree days : 197.5, 53.9 more than the average of 143.5
- ALL JUNES SINCE 1894 (129 years, data for 1909)
 - Compared with June 2023, 21 Junes were warmer, one was the same, and 106 Junes were cooler
 - Warmest average : 76.2° F in 1911
 - Coldest average : 61.5° F in 1926
 - Warmest temperature : 105° F on the 20th of 1911 and on the 29th of 1910
 - Coldest temperature : 27° F on the 3rd of 1946

2. JUNE 2023 PRECIPITATION

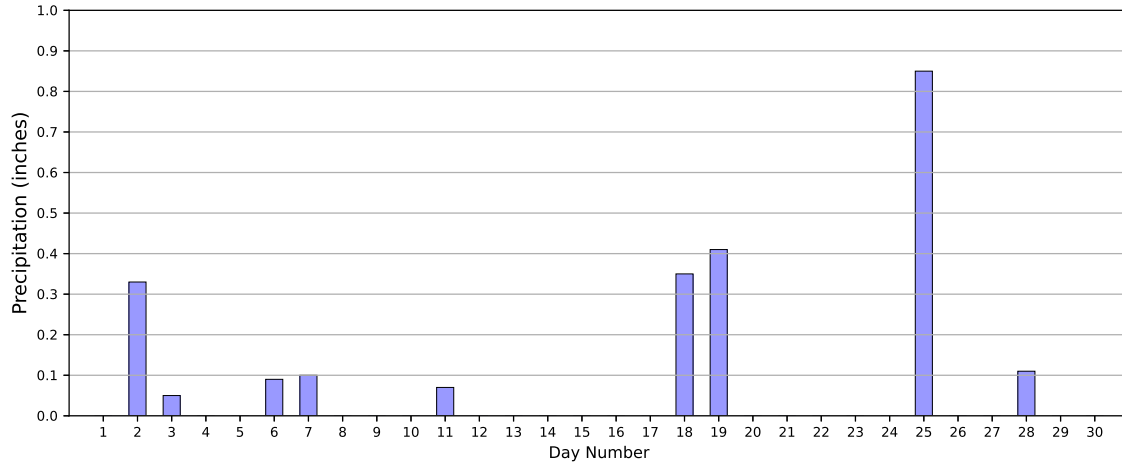


Figure 2: June precipitation for Decorah.

- JUNE 2023
 - Total precipitation for June 2023 : 2.36 inches, 2.39 inches less than the average precipitation of 4.75 inches
 - Nine days with measurable precipitation, the average is between 10 and 11 days
 - Greatest 24-hour total : 0.85 inches on the 25th.
- ALL JUNES: 1894 - 2023 (129 years, data missing for 1909)
 - Compared with June 2023, 108 Junes were wetter and 20 Junes were drier
 - Wettest June: 14.10 inches in 2008
 - Driest June : 0.05 inches in 1910

3. TWELVE-MONTH SUMMARY

Month	Year	Ave Temp (°F)	Deviation (°F)	Rank† (#/Total)	Precip (inches)	Deviation (inches)	Rank‡ (#/Total)
July	2022	73.3	+0.7	51/128	10.83	+6.73	1/129
August	2022	71.8	+1.4	30/130	5.42	+1.35	32/130
September	2022	65.4	+3.2	20/129	1.31	-2.38	118/129
October	2022	50.7	+0.4	56/129	1.34	-0.98	95/129
November	2022	38.5	+3.3	31/130	2.31	+0.46	36/130
December	2022	21.8	+0.5	64/130	1.81	+0.60	27/130
January	2023	24.4	+8.1	11/130	2.17	+1.12	12/130
February	2023	26.6	+6.5	21/113	2.00	+1.04	9/129
March	2023	36.2	+3.4	36/131	1.89	-0.11	70/131
April	2023	50.5	+3.2	23/130	2.84	-0.26	66/130
May	2023	63.0	+4.1	17/128	4.19	-0.04	58/127
June	2023	71.1	+2.8	22/129	2.36	-2.39	109/129

Table 2: A summary of the last twelve months. †- 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.

- June 2023 is the 15th consecutive month with an above average mean temperature.
- Six of the last twelve months were drier than average. June 2023 is the 4th consecutive month with below average precipitation.
- Precipitation deviations. last 3 months : -2.07 inches, last 6 months : -0.65 inches, last 9 months: -0.58, last 12 months : +5.12 inches (due to July 2022 being the wettest July on record with an excess of 6.73 inches)