

Decorah Weather - April 2023 Summary

by Richard Bernatz

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

1. APRIL 2023 TEMPERATURES

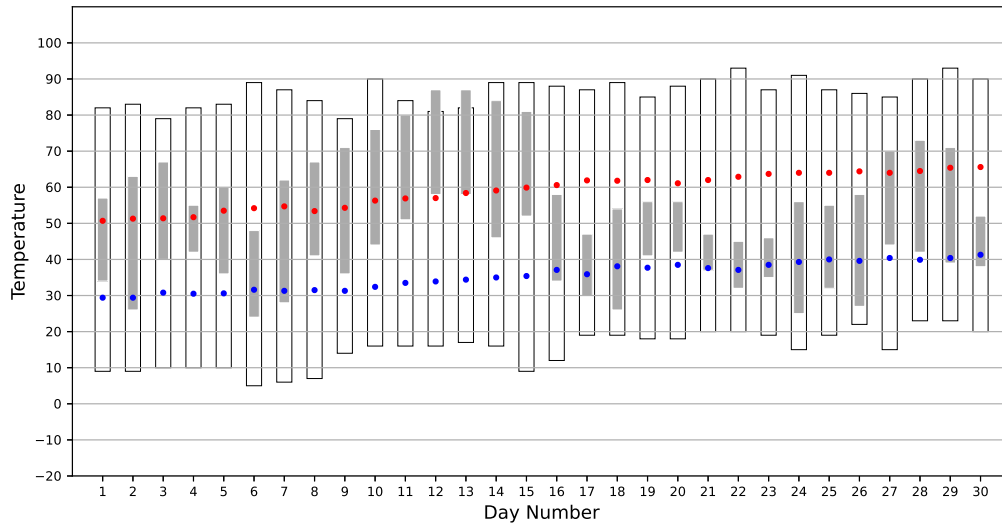


Figure 1: **Grey Bar:** Observed temperature range for 2023, **White Bar:** Record temperature range, **Circles:** Average temperature range, red circle for average high, blue circle for average low.

Temperature ($^{\circ}$ F)	April 2023	Historical	Deviation
Average High	63.0	59.1	+3.9
Average Low	38.0	35.4	+2.6
Daily Average	50.5	47.3	+3.2

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

- APRIL 2023
 - Record temperatures: Maximum temperature of 87° F on the 12th (record was 81° F in 1916), Maximum temperature of 87° F on the 13th (record was 82° F in 1931)
 - Average temperature : 50.5° F, 3.2° F above average
 - Warmest temperature : 87° F on the 12th and 13th
 - Coldest temperature : 24° F on the 6th.
 - Heating degree days : 452.5 (83.7 less than average)
- ALL APRILS: 1894-2023 (130 YEARS)
 - Compared with April 2023, 22 Aprils were warmer and 107 Aprils were colder.
 - Warmest average : 55.7° F in 1915
 - Coldest average : 37.4° F in 2018
 - Warmest temperature : 93° F on the 22nd of 1980 and on the 29th of 1910
 - Coldest temperature : 5° F on the 6th of 1982

2. APRIL 2023 PRECIPITATION

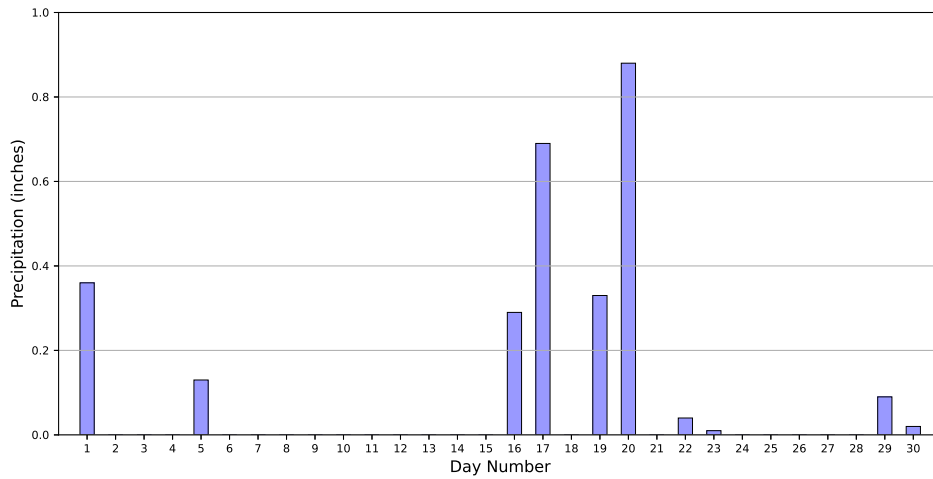


Figure 2: April precipitation for Decorah.

- APRIL 2023
 - Total precipitation for April 2023 : 2.84 inches, 0.26 inches less than the average precipitation of 3.10 inches
 - 10 days with measurable precipitation, the average is nine days
 - Greatest 24-hour total : 0.88 inches on the 20th.
 - Snowfall : One day with a total of 6.0 inches on the 17th. The historical average is 1.7 inches with one day of measurable snowfall
- ALL APRILS: 1894 - 2023 (130 years)
 - Compared with April 2023, 65 Aprils were wetter and 64 Aprils were drier
 - Wettest April : 2008 with 8.74 inches
 - Driest April : 0.50 inches in 2021

3. TWELVE-MONTH SUMMARY

Month	Year	Ave Temp (°F)	Deviation (°F)	Rank† (#/Total)	Precip (inches)	Deviation (inches)	Rank‡ (#/Total)
May	2022	62.0	+3.1	23/127	4.76	-0.53	39/127
June	2022	72.0	+2.0	32/128	5.00	+0.24	53/128
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

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.

- April 2023 is the twelve consecutive month with above average temperature.
- April 2023 is one of five months, in the last twelve, with below average precipitation.
- Precipitation deviations. last 3 months: +0.66 inches; last 6 months: +2.84 inches; last 9 months: +0.81 inches; last 12 months: +8.32 inches