

Southeast Michigan Climate Summary

Seasonal Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



Winter 2024-2025

December, January, and February



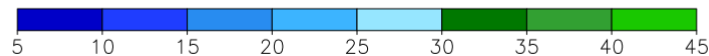
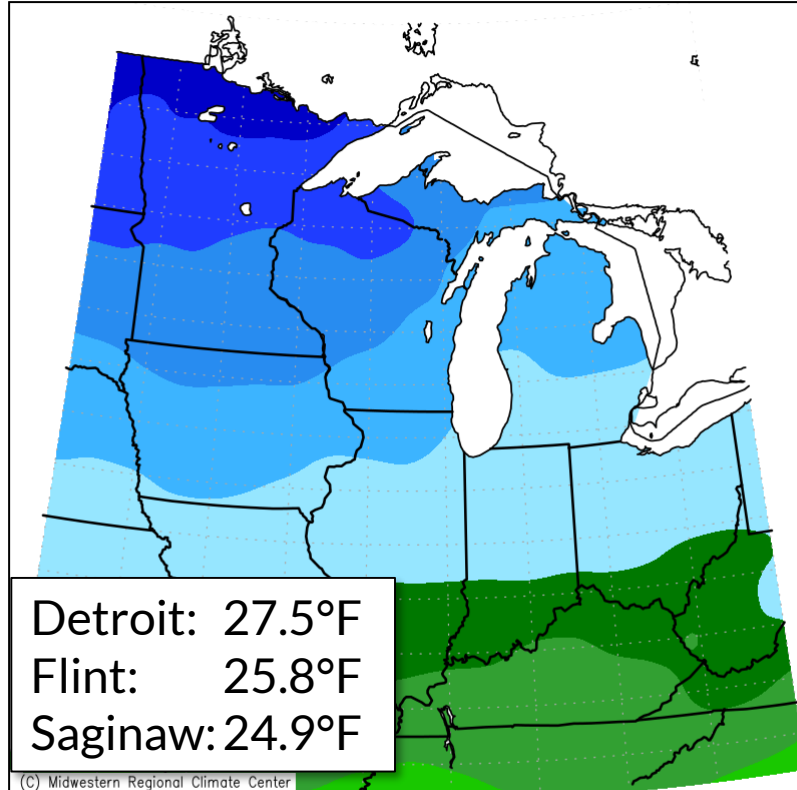
Winter 2024-2025 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



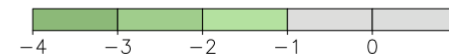
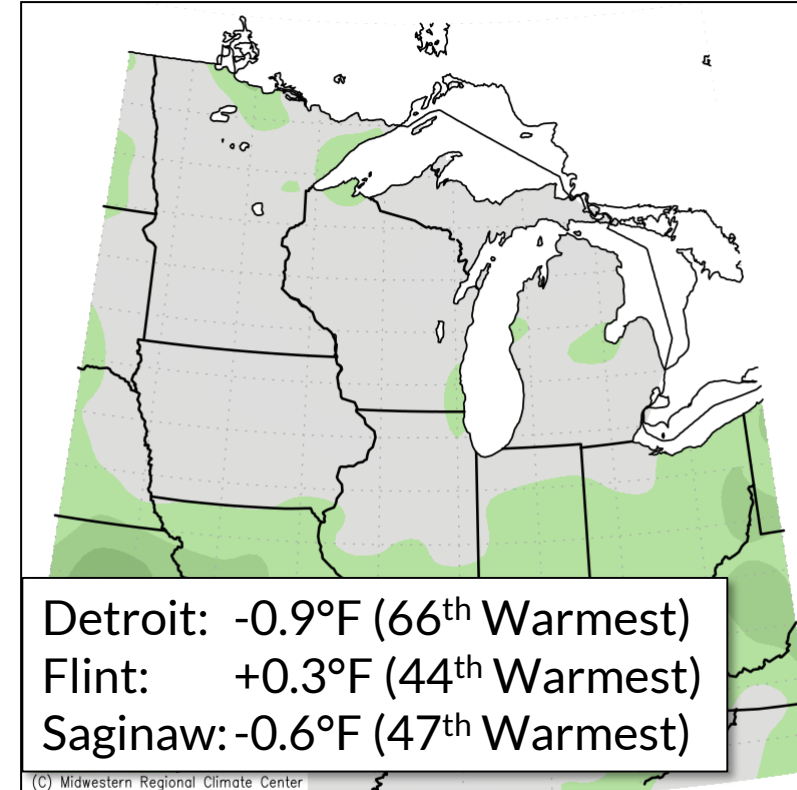
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
December 1, 2024 to February 28, 2025



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2025 10:51:12 AM EST

Average Temperature (°F): Departure from Mean
December 1, 2024 to February 28, 2025



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2025 10:59:14 AM EST

Winter – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Winters in Southeast Lower Michigan (°F)

Rank	Detroit Area*				Flint Bishop**				Saginaw Area***			
	Coldest		Warmest		Coldest		Warmest		Coldest		Warmest	
	Temp	Year	Temp	Year	Temp	Year	Temp	Year	Temp	Year	Temp	Year
1	18.8	1903-1904	36.9	1881-1882	16.7	1976-1977	34.0	2023-2024	15.7	1962-1963	33.3	1931-1932
2	19.3	1874-1875	35.7	1931-1932	17.0	1962-1963	33.4	1931-1932	16.5	1917-1918	33.2	2023-2024
3	19.7	1976-1977	35.2	1889-1890	17.8	1958-1959	33.0	2015-2016	16.6	1919-1920	31.7	2015-2016
4	19.7	1917-1918	34.8	2023-2024	18.6	1978-1979	32.2	1982-1983	17.5	1978-1979	30.9	1997-1998
5	20.4	1962-1963	33.8	2001-2002	19.0	2013-2014	31.7	2001-2002	18.0	1977-1978	30.6	2011-2012
6	20.6	1977-1978	33.8	1997-1998	19.3	1977-1978	31.5	2019-2020	18.2	1976-1977	30.5	2001-2002
7	20.8	1919-1920	33.5	2015-2016	19.8	1993-1994	31.3	1997-1998	18.2	2013-2014	30.4	2022-2023
8	20.9	2013-2014	33.4	2022-2023	19.9	1944-1945	31.2	2011-2012	18.2	1958-1959	30.0	1936-1937
9	21.0	1935-1936	33.0	2011-2012	20.9	1981-1982	31.1	2022-2023	18.7	1935-1936	29.8	2019-2020
10	21.1	1892-1893	32.9	2016-2017	21.2	1935-1936	30.3	1932-1933	19.0	1993-1994	29.6	1982-1983
11	21.4	1904-1905	32.6	2019-2020	21.3	1969-1970	30.2	2016-2017	19.2	1916-1917	29.5	1920-1921
12	21.5	1978-1979	32.5	1982-1983	21.4	1985-1986	29.1	1952-1953	20.0	1961-1962	29.4	2016-2017
13	21.7	1880-1881	32.5	1879-1880	21.5	1961-1962	28.8	1936-1937	20.1	1944-1945	29.0	1918-1919
14	21.8	1911-1912	32.3	1918-1919	21.6	2008-2009	28.6	1948-1949	20.2	1969-1970	28.8	1932-1933
15	21.8	1878-1879	32.2	1952-1953	21.6	1983-1984	28.5	2012-2013	20.3	1981-1982	28.5	2012-2013
16	21.9	1981-1982	31.6	1877-1878	21.6	1947-1948	28.3	1930-1931	20.7	1947-1948	28.3	1952-1953
17	22.4	1969-1970	31.3	1948-1949	22.0	2014-2015	28.2	1991-1992	21.2	2008-2009	28.0	1930-1931
18	23.0	1958-1959	31.2	1920-1921	22.2	2010-2011	28.2	1949-1950	21.3	2002-2003	27.8	1974-1975
19	23.2	1876-1877	31.1	1875-1876	22.4	1942-1943	28.1	1974-1975	21.4	1942-1943	27.6	1948-1949
20	23.3	2014-2015	31.0	1953-1954	22.5	2002-2003	28.0	1953-1954	21.6	1985-1986	27.2	1998-1999

* Detroit Area temperature records date back to November 1874.

** Flint Bishop temperature records date back to January 1921.

*** Saginaw Area temperature records date back to January 1912.

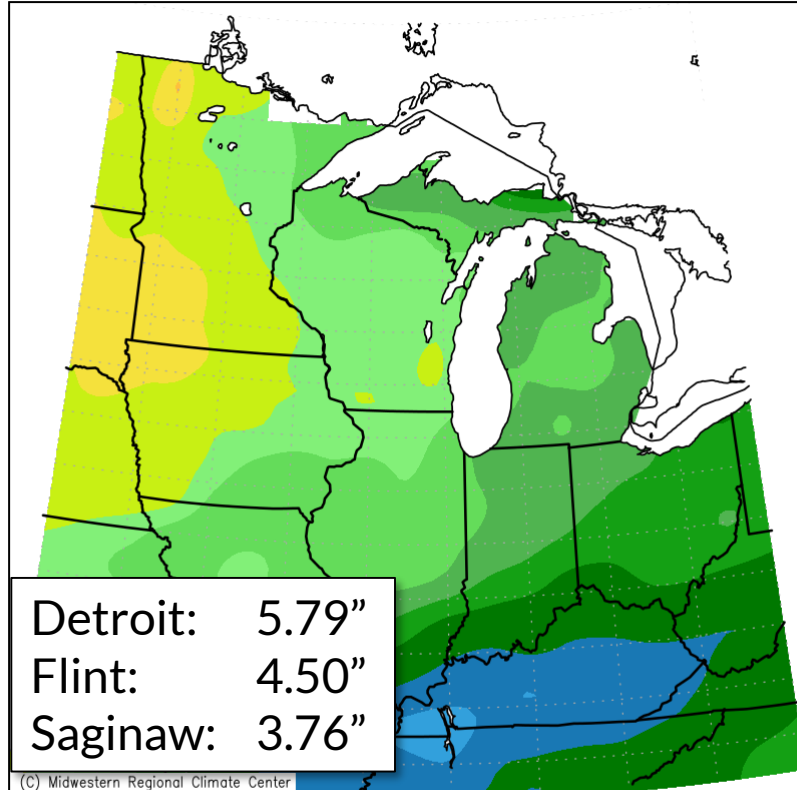
Winter 2024-2025 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



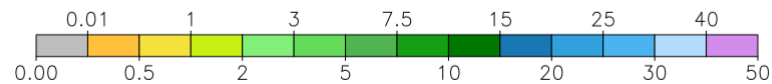
Total Seasonal Precipitation (left) & Percent of Mean (right)

Accumulated Precipitation (in)
December 1, 2024 to February 28, 2025



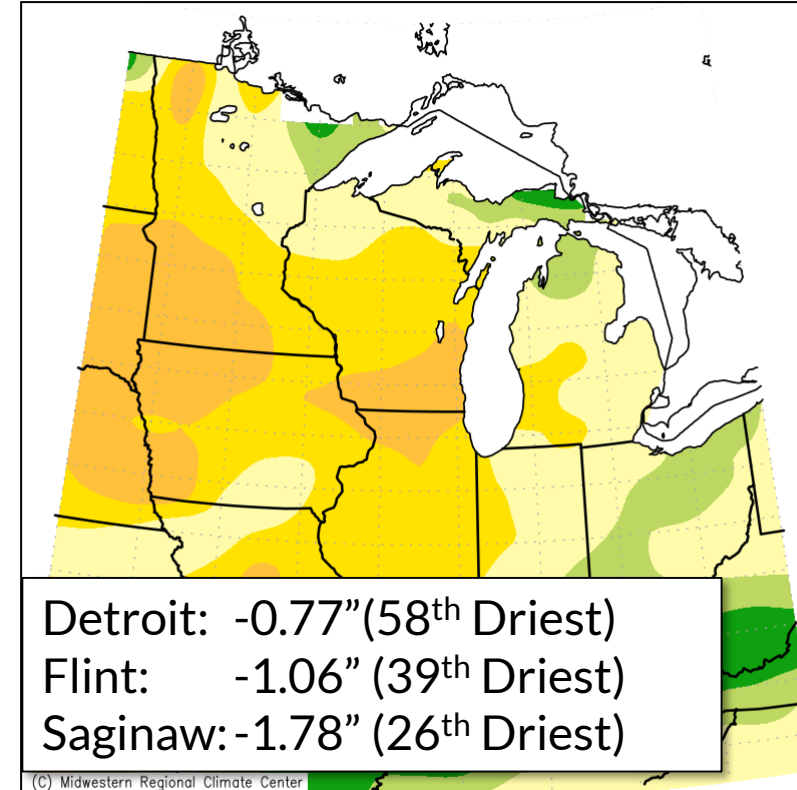
Detroit: 5.79"
Flint: 4.50"
Saginaw: 3.76"

(C) Midwestern Regional Climate Center



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2025 11:04:13 AM EST

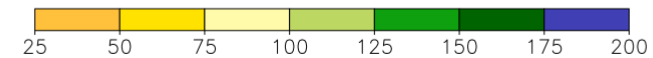
Accumulated Precipitation: Percent of Mean
December 1, 2024 to February 28, 2025



Detroit: -0.77" (58th Driest)
Flint: -1.06" (39th Driest)
Saginaw: -1.78" (26th Driest)

(C) Midwestern Regional Climate Center

Mean period is 1991-2020.



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2025 11:04:28 AM EST



Top 20 Wettest/Driest Winters in Southeast Lower Michigan (in.)

Rank	Detroit Area*				Flint Bishop**				Saginaw Area***			
	Wettest		Driest		Wettest		Driest		Wettest		Driest	
	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year
1	12.74	1949-1950	2.24	2002-2003	10.48	1949-1950	1.51	1962-1963	11.95	1996-1997	1.86	1941-1942
2	12.41	1907-1908	2.36	1962-1963	8.83	1984-1985	1.78	1969-1970	11.24	1949-1950	1.95	1919-1920
3	10.79	1875-1876	2.87	1960-1961	8.67	1953-1954	1.94	2002-2003	8.49	1937-1938	2.08	1976-1977
4	10.31	1929-1930	3.23	1876-1877	8.27	1931-1932	2.19	1976-1977	8.48	1959-1960	2.19	2002-2003
5	10.03	1880-1881	3.30	1969-1970	8.09	1937-1938	2.20	1933-1934	8.41	1964-1965	2.22	1963-1964
6	9.55	1974-1975	3.39	1874-1875	8.04	2012-2013	2.40	1944-1945	8.11	1965-1966	2.42	1944-1945
7	9.49	1931-1932	3.41	1976-1977	7.96	2000-2001	2.42	1960-1961	7.87	2004-2005	2.45	1922-1923
8	9.36	1984-1985	3.43	1888-1889	7.83	1975-1976	2.43	1939-1940	7.81	1972-1973	2.52	1933-1934
9	9.33	2004-2005	3.45	1943-1944	7.55	1973-1974	2.60	1921-1922	7.61	1997-1998	2.66	1969-1970
10	9.22	2007-2008	3.50	1933-1934	7.51	2004-2005	2.78	1963-1964	7.57	2008-2009	2.66	1911-1912
11	9.14	1973-1974	3.58	1900-1901	7.51	1929-1930	2.93	1983-1984	7.53	1973-1974	2.81	1960-1961
12	8.97	1967-1968	3.67	1919-1920	7.46	1948-1949	2.93	1957-1958	7.39	1984-1985	2.84	1939-1940
13	8.94	1879-1880	3.68	1944-1945	7.27	2007-2008	3.10	1988-1989	7.24	2007-2008	2.96	1943-1944
14	8.92	2012-2013	3.72	1939-1940	7.26	2017-2018	3.22	1943-1944	7.19	1950-1951	3.15	1983-1984
15	8.82	1996-1997	3.72	1896-1897	7.25	1974-1975	3.29	1986-1987	7.14	2012-2013	3.17	1993-1994
16	8.78	1938-1939	3.86	2020-2021	7.19	2005-2006	3.35	1993-1994	7.09	1971-1972	3.18	1994-1995
17	8.58	1878-1879	4.02	1988-1989	7.14	2016-2017	3.40	1922-1923	7.07	1938-1939	3.22	1979-1980
18	8.54	1897-1898	4.05	1979-1980	6.81	1946-1947	3.47	1981-1982	7.02	2015-2016	3.25	1988-1989
19	8.47	2005-2006	4.15	1963-1964	6.80	1951-1952	3.61	2009-2010	7.02	1967-1968	3.26	1986-1987
20	8.42	1964-1965	4.18	1930-1931	6.68	1971-1972	3.67	1926-1927	6.99	1927-1928	3.29	1930-1931

* Detroit Area precipitation records date back to November 1874.

** Flint Bishop precipitation records date back to January 1921.

*** Saginaw Area precipitation records date back to January 1912.

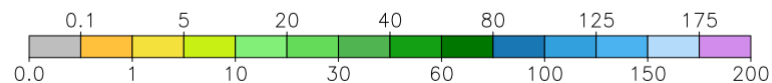
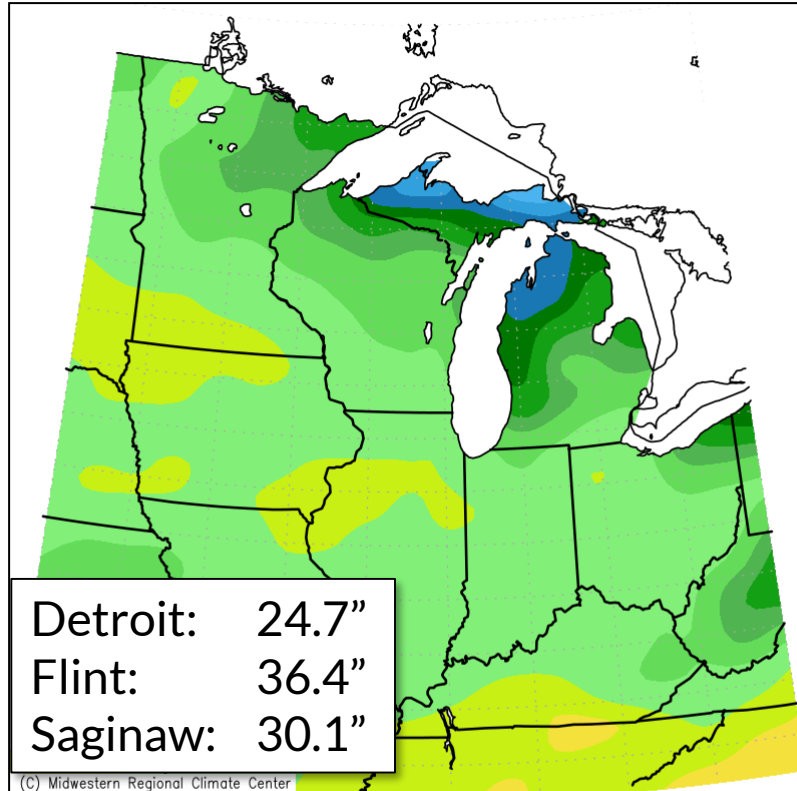
Winter 2024-2025 – Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



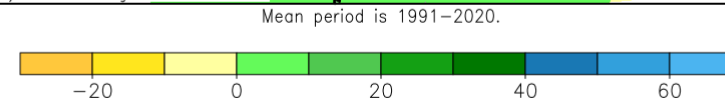
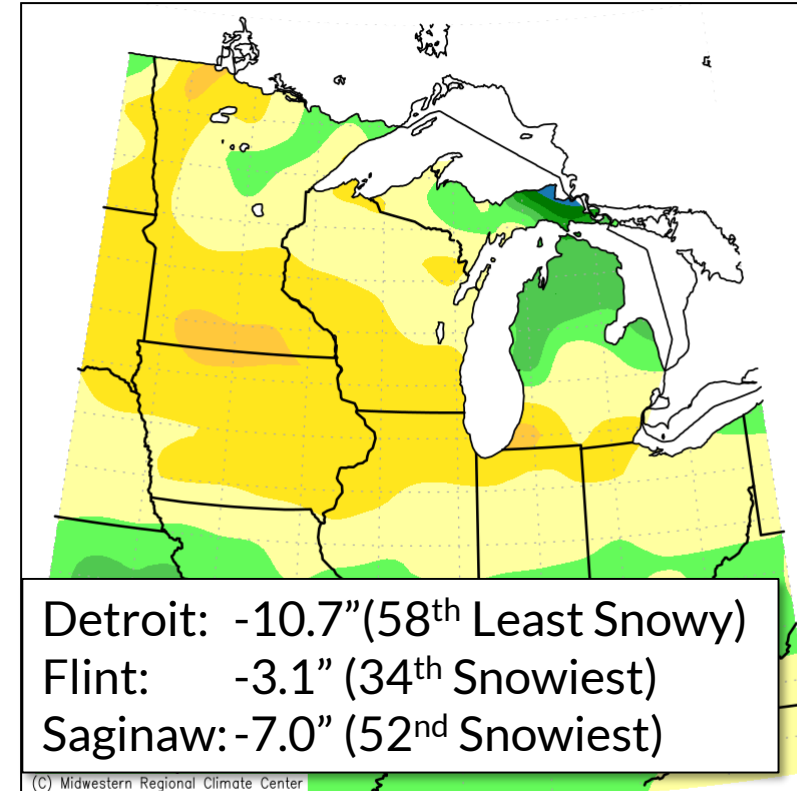
Total Seasonal Snowfall (left) & Percent of Mean (right)

Accumulated Snowfall (in)
December 1, 2024 to February 28, 2025



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2025 11:07:52 AM EST

Accumulated Snowfall (in): Departure from Mean
December 1, 2024 to February 28, 2025



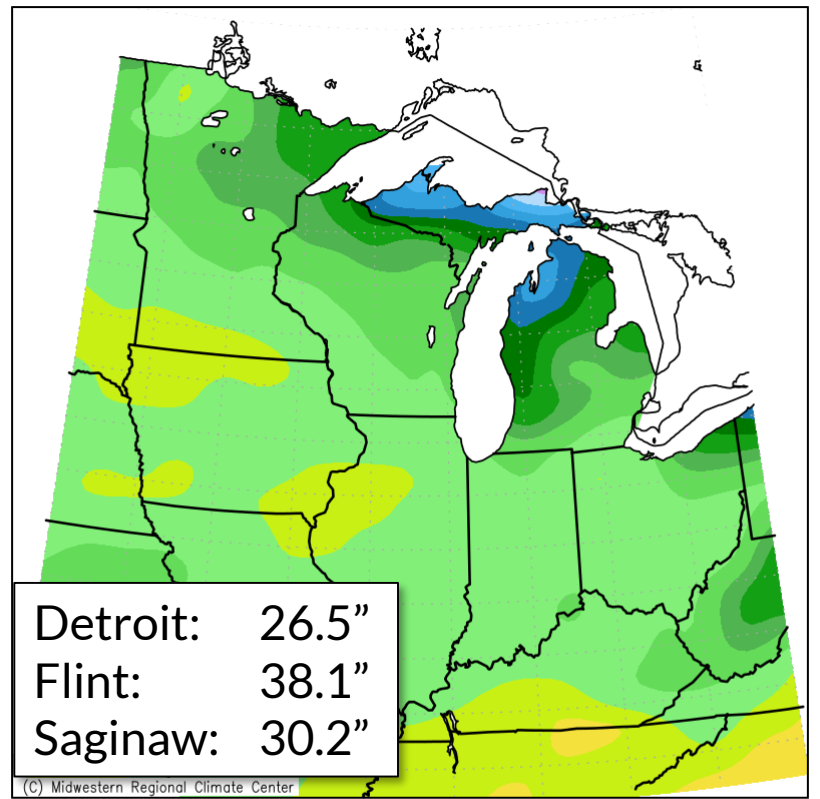
Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2025 11:08:30 AM EST

Season-to-Date 2024-2025 – Regional Snowfall Summary

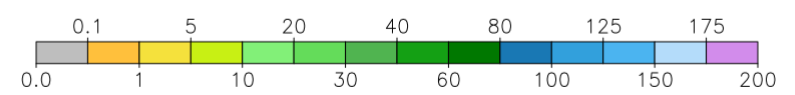


Total Seasonal Snowfall (left) & Percent of Mean (right)

Accumulated Snowfall (in)
October 1, 2024 to February 28, 2025

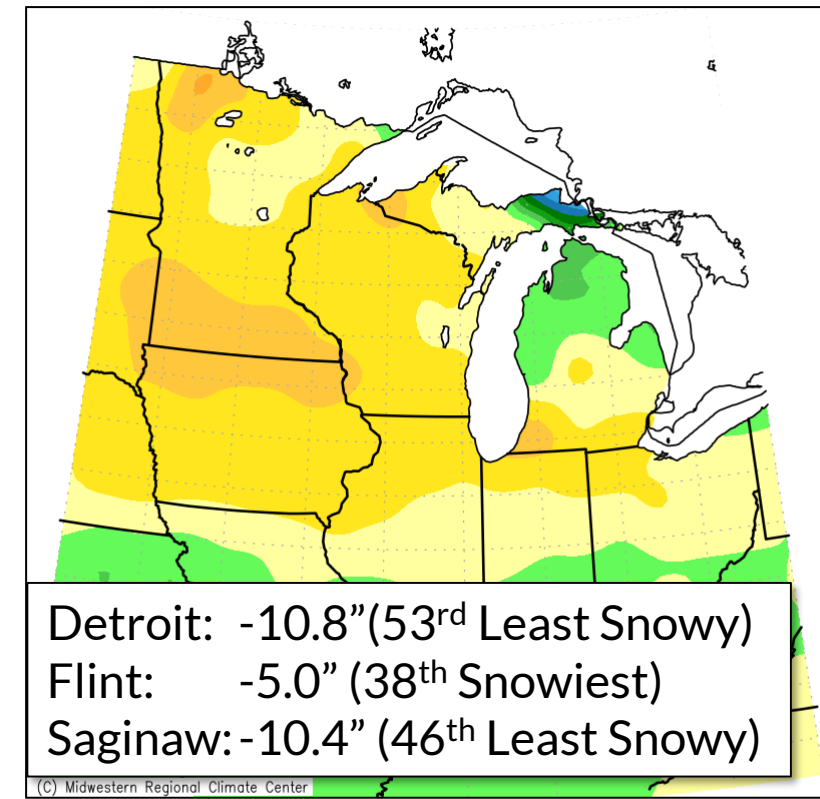


Detroit: 26.5"
Flint: 38.1"
Saginaw: 30.2"

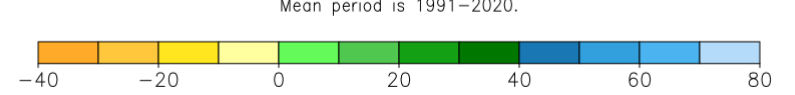


Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2025 11:18:13 AM EST

Accumulated Snowfall (in): Departure from Mean
October 1, 2024 to February 28, 2025



Detroit: -10.8" (53rd Least Snowy)
Flint: -5.0" (38th Snowiest)
Saginaw: -10.4" (46th Least Snowy)



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2025 11:18:36 AM EST

Winter 2024-2025 – Daily Temperature Graph

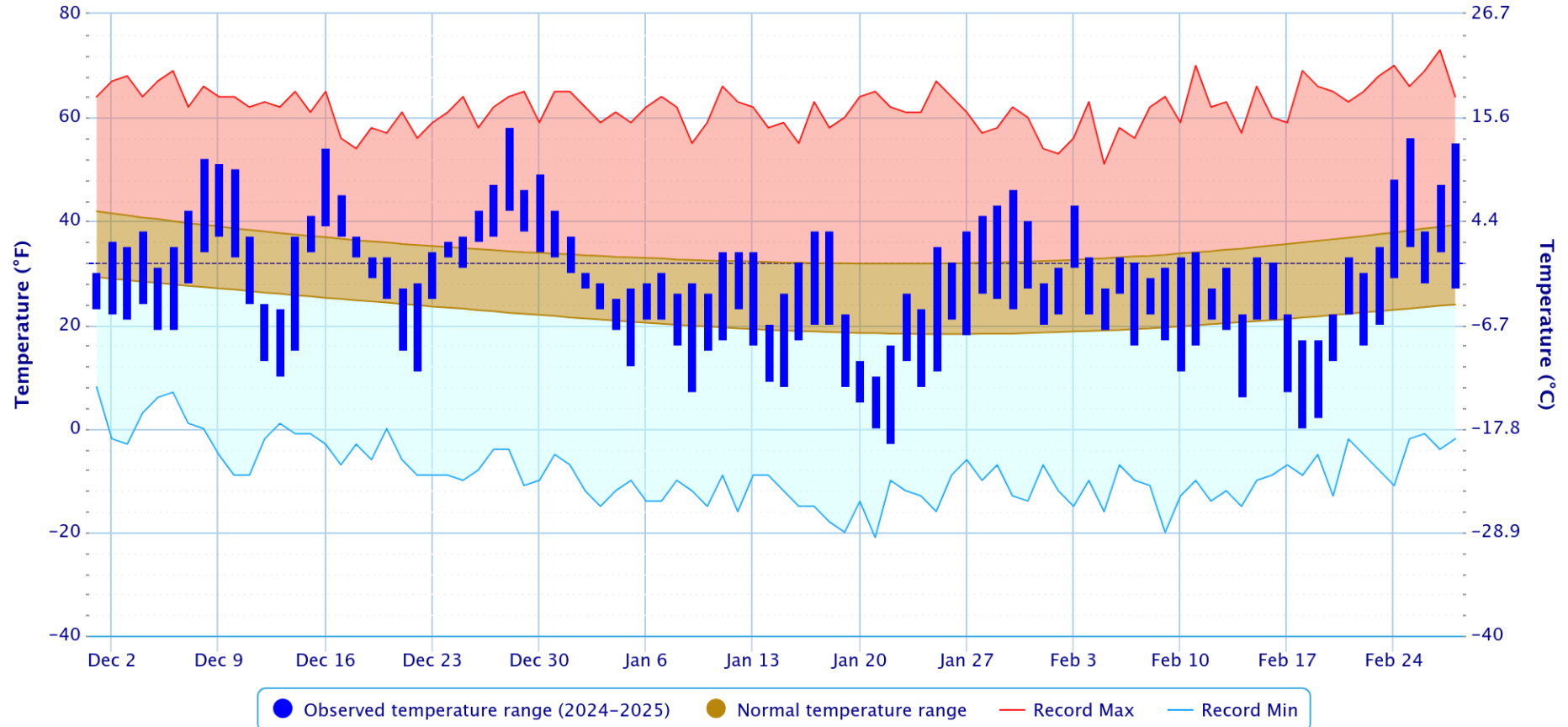
Weather Forecast Office
Detroit, MI



DETROIT

Daily Temperature Data – Detroit Area, MI (ThreadEx)

Period of Record – 1874-01-01 to 2025-02-28. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

Temperature Stats:

Days at or below 0°F: 3
Highest max: 58°F (Dec 28)
Lowest min: -3°F (Jan 22)
Lowest max: 10°F (Jan 21)
Highest min: 42°F (Dec 28)

RECORDS

No new temperature records set in Detroit

Winter 2024-2025 – Daily Precip/Snow Graphs

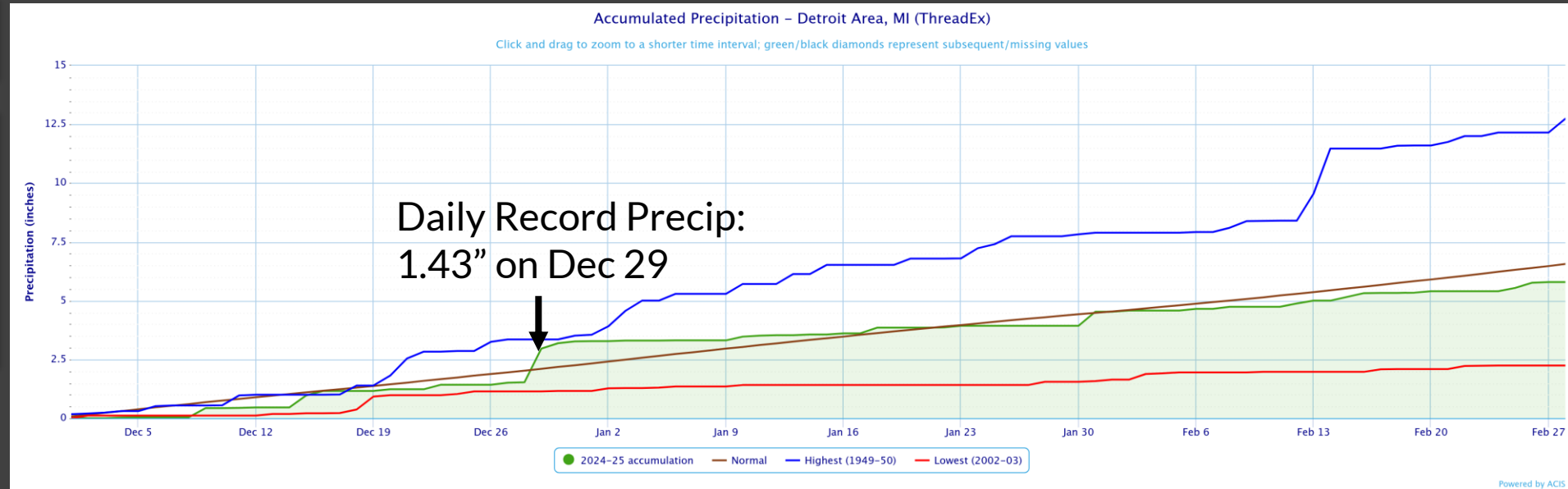
Weather Forecast Office
Detroit, MI



DETROIT

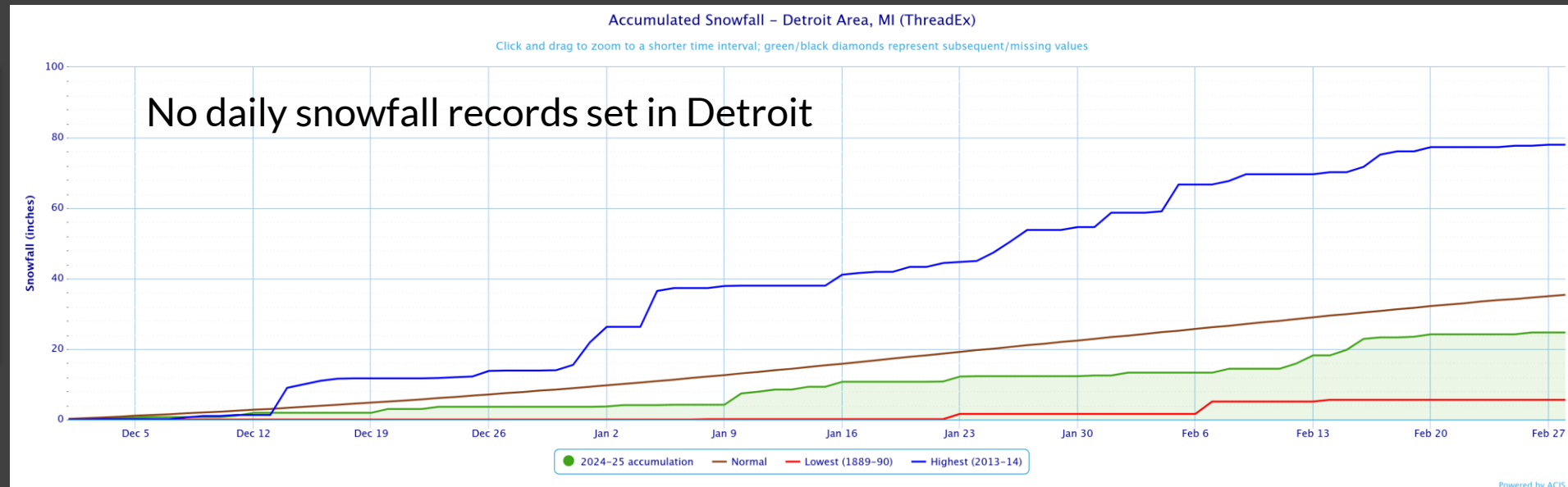
Precipitation Stats:

Days with 1" or more: 1
Days with 0.01" or more: 39
Highest daily precip: 1.43"
(Dec 29)



Snowfall Stats:

Days with 6" or more: 0
Days with 3" or more: 2
Days with 0.1" or more: 30
Highest daily snowfall: 3.2"
(Jan 10)



Winter 2024-2025 – Daily Temperature Graph

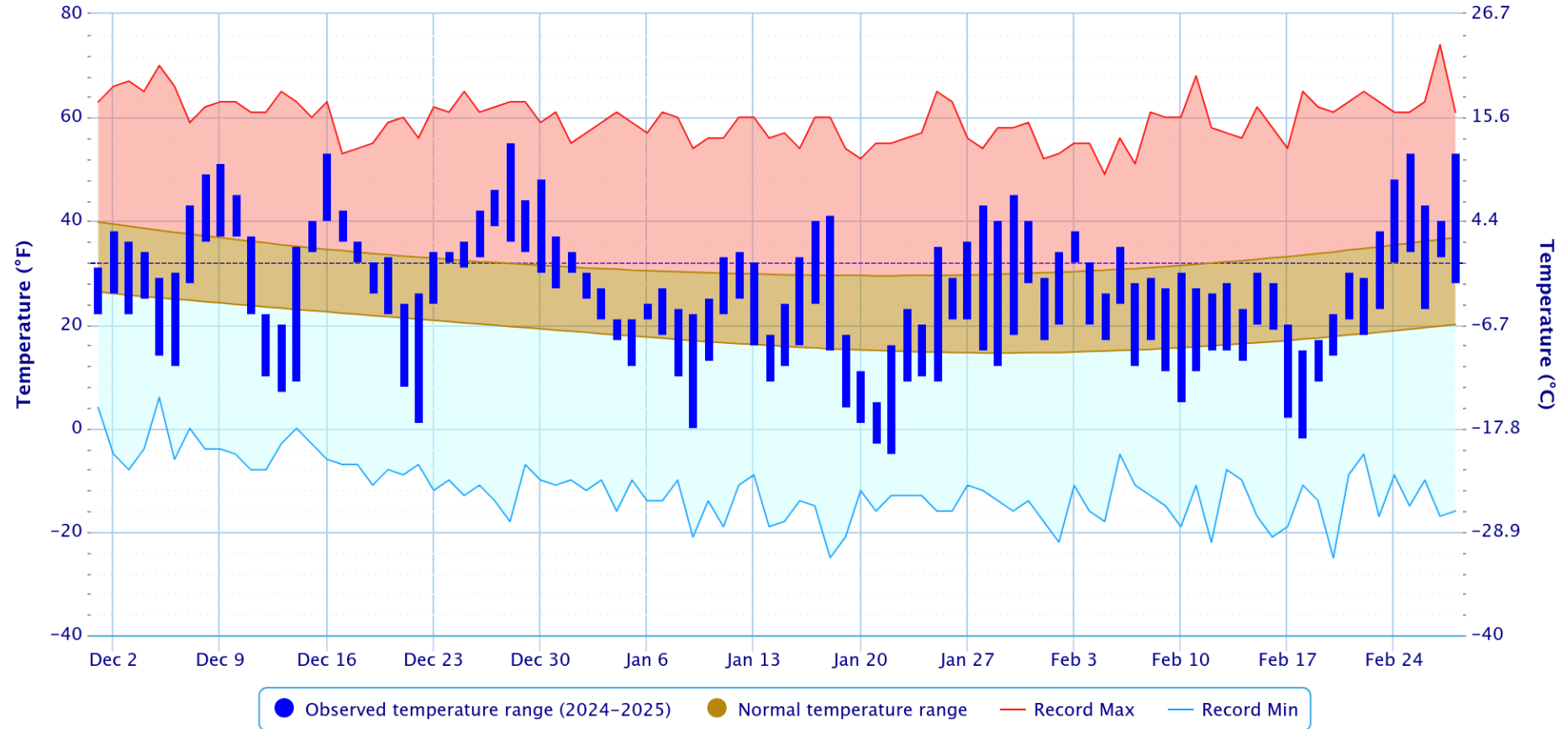
Weather Forecast Office
Detroit, MI



FLINT

Daily Temperature Data – Flint Area, MI (ThreadEx)

Period of Record – 1921-01-01 to 2025-02-28. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

Temperature Stats:

Days at or below 0°F: 4
Highest max: 55°F (Dec 28)
Lowest min: -5°F (Jan 22)
Lowest max: 5°F (Jan 21)
Highest min: 40°F (Dec 16)

RECORDS

No new temperature records set in Flint

Winter 2024-2025 – Daily Precip/Snow Graphs

Weather Forecast Office
Detroit, MI



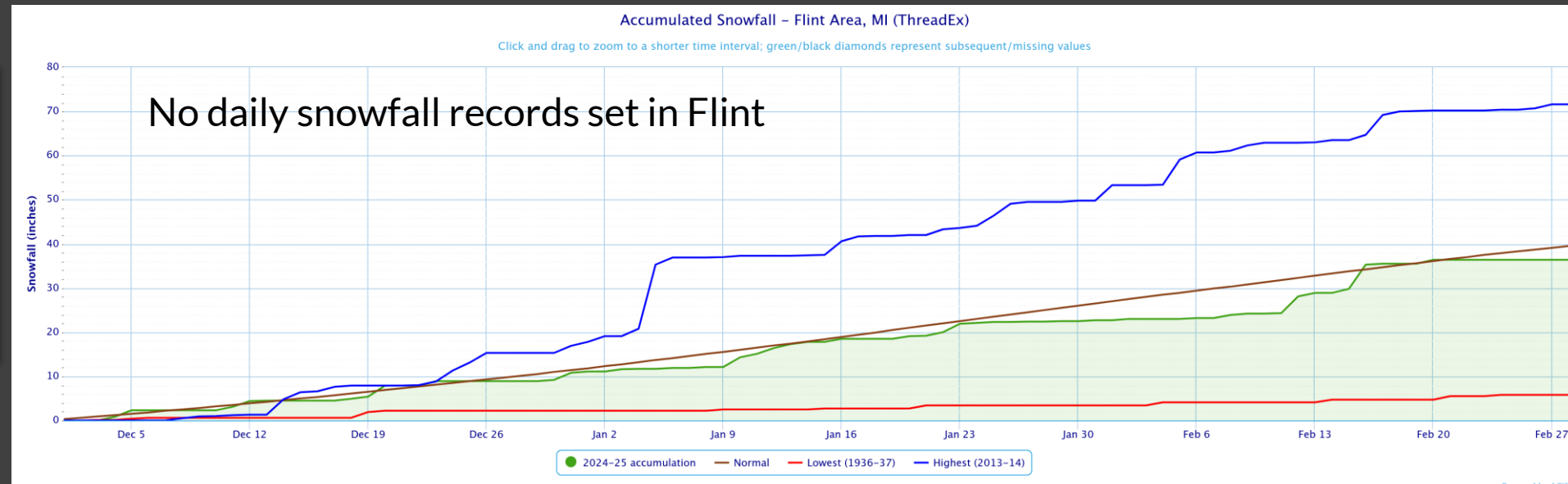
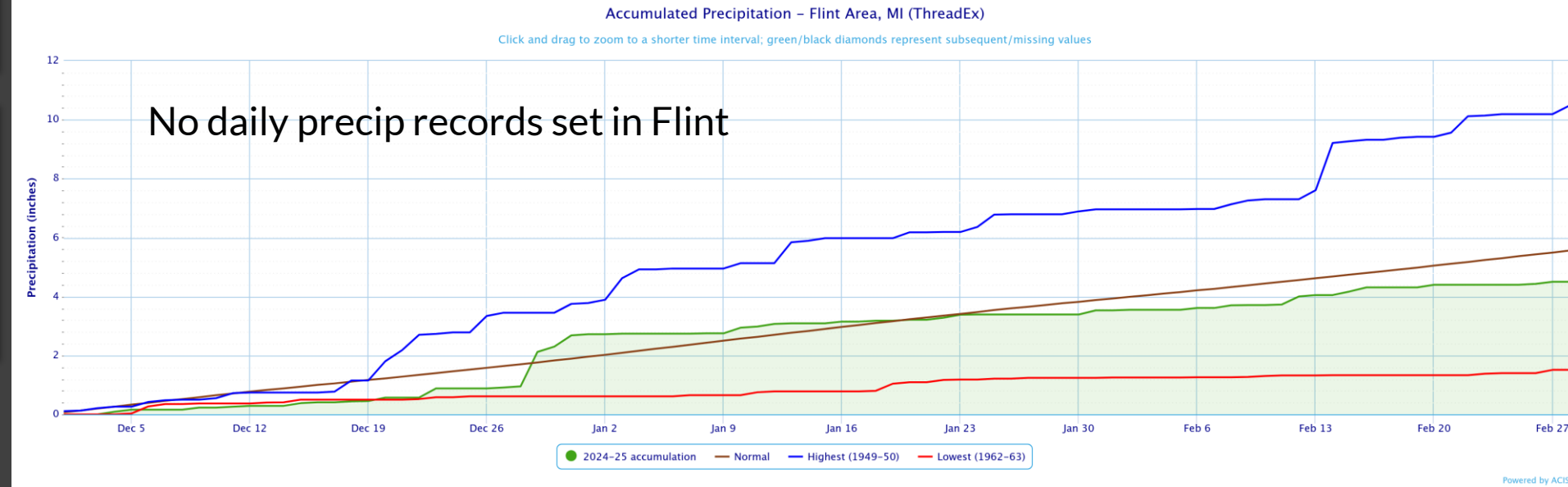
FLINT

Precipitation Stats:

Days with 1" or more: 1
Days with 0.01" or more: 42
Highest daily precip: 1.17"
(Dec 29)

Snowfall Stats:

Days with 6" or more: 0
Days with 3" or more: 2
Days with 0.1" or more: 42
Highest daily snowfall: 5.5"
(Feb 16)



Winter 2024-2025 – Daily Temperature Graph

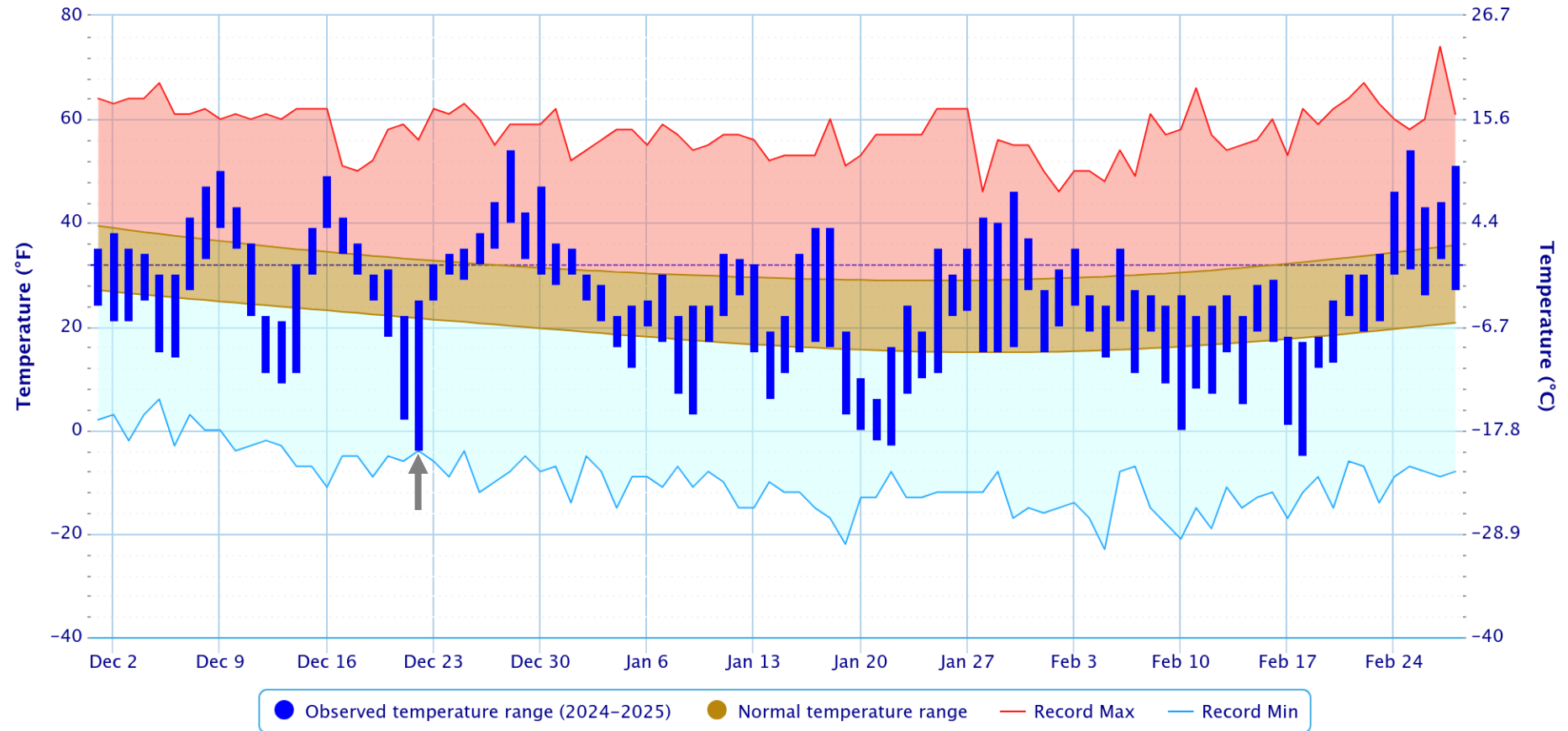
Weather Forecast Office
Detroit, MI



SAGINAW

Daily Temperature Data – Saginaw Area, MI (ThreadEx)

Period of Record – 1912-01-01 to 2025-02-28. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

Temperature Stats:

Days at or below 0°F: 6
Highest max: 54°F (Dec 28 & Feb 25)
Lowest min: -5°F (Feb 18)
Lowest max: 6°F (Jan 21)
Highest min: 40°F (Dec 28)

RECORDS

↑ Daily Min Temp (tied):
-4°F on Dec 22

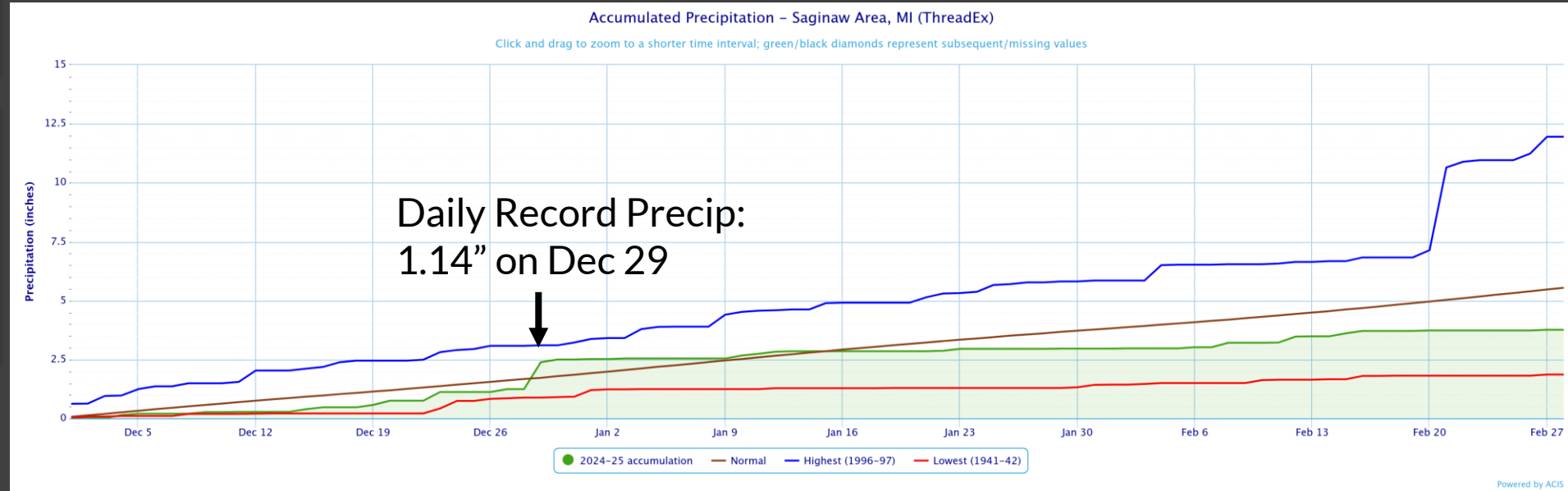
Winter 2024-2025 – Daily Precip/Snow Graphs



SAGINAW

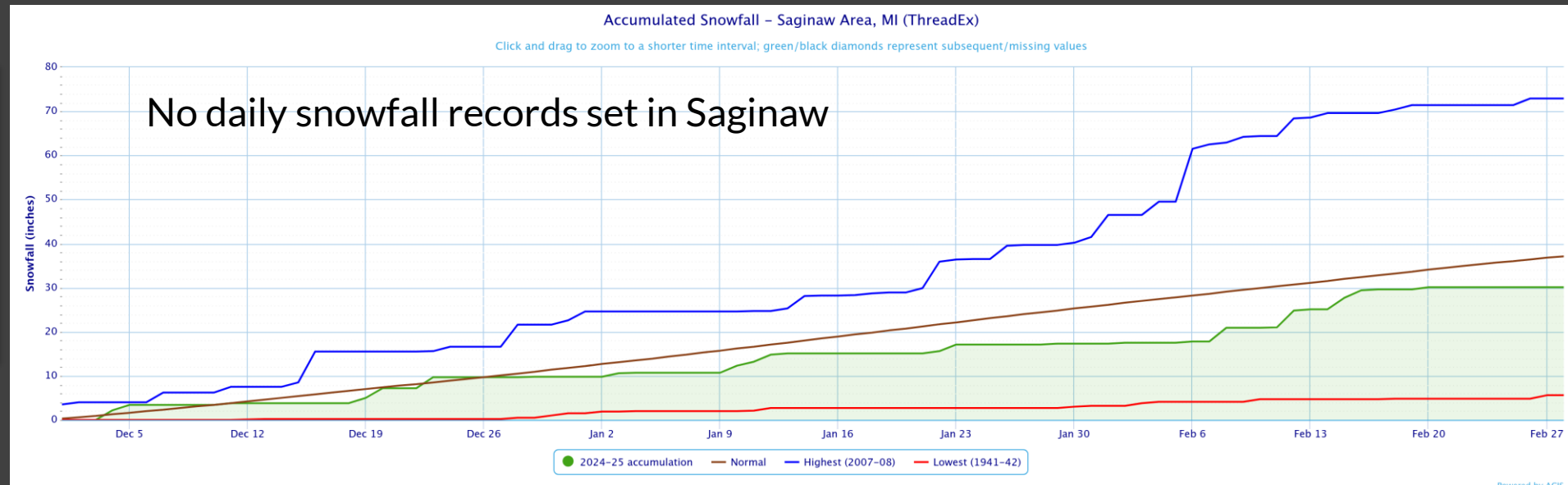
Precipitation Stats:

Days with 1" or more: 1
Days with 0.01" or more: 31
Highest daily precip: 1.14"
(Dec 29)



Snowfall Stats:

Days with 6" or more: 0
Days with 3" or more: 2
Days with 0.1" or more: 26
Highest daily snowfall: 3.8"
(Feb 12)



Winter 2024-2025 – Significant Weather Events

Weather Forecast Office
Detroit, MI



Follow links for web summaries

December 4 Snow Squalls

weather.gov/dtx/2024-12-04-Snow-Squalls

December 23 Snow and Freezing Rain

weather.gov/dtx/2024-12-23-Snow-Freezing-Rain-Advisory

January 10 Winter Weather Advisory

weather.gov/dtx/2025-01-10-Winter-Weather-Advisory

February 8 Snowfall

weather.gov/dtx/February_8_2025_Snowfall

February 12-13 Snowfall

weather.gov/dtx/February_12_2025_Snowfall

February 15-16 Snowfall

weather.gov/dtx/February_15_16_2025_Snowfall



Observed Weather | Climate Locations | Climate Prediction | Climate Resources | Local Data/Records | Astronomical | NOWData

Observed Weather Reports

1. Product »
 Daily Climate Report (CLI)
 Preliminary Monthly Climate Data (CF6)
 Record Event Report (RER)
 Monthly Weather Summary (CLM)
 Regional Summary (RTP)
 State Summary (Temp/Precip)

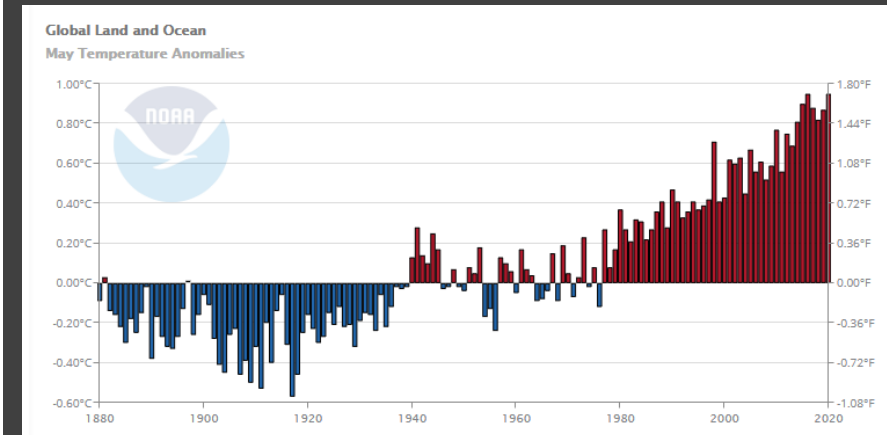
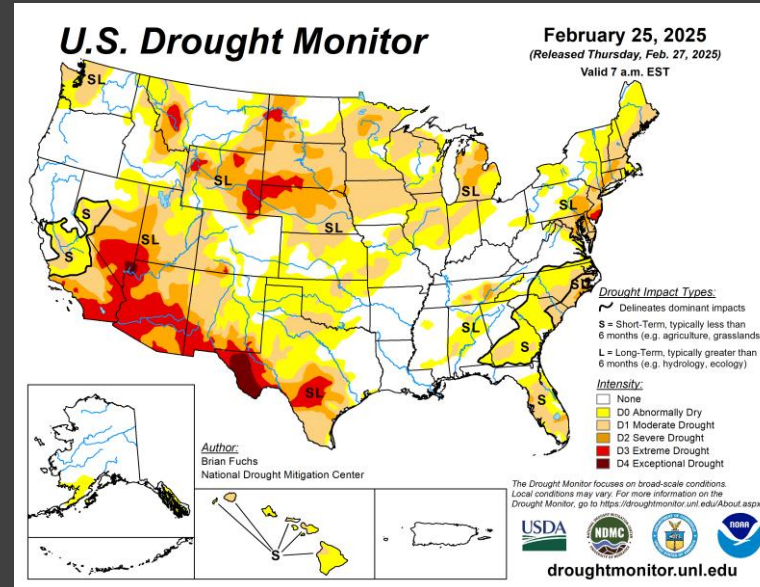
2. Location »
Detroit
Flint
Saginaw

3. Timeframe »
 Most Recent
 Archived Data:
July 3rd, 2020
July 2nd, 2020
July 1st, 2020
June 30th, 2020
June 29th, 2020
June 28th, 2020

4. View »
Go

[Storm Event Database \(NCDC\)](#)

Product Description:
DAILY CLIMATE REPORT - issued daily:
Detailed daily weather statistics (usually for yesterday), including temperature, precipitation, degree days, wind, humidity, sunrise/sunset, and record temperature data for the following day. Precipitation data includes both calendar year and water year totals, percent of normal values, and comparisons to normal. This product is



SE Michigan Climate Products

weather.gov/climate/index.php?wfo=dtx

U.S. Drought Monitor

drought.gov/drought/data-maps-tools/current-conditions

NOAA NCEI Climate at a Glance

ncdc.noaa.gov/cag/

Thank you to our COOP and CoCoRaHS volunteer weather observers!