

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



February 2023



National
Weather
Service

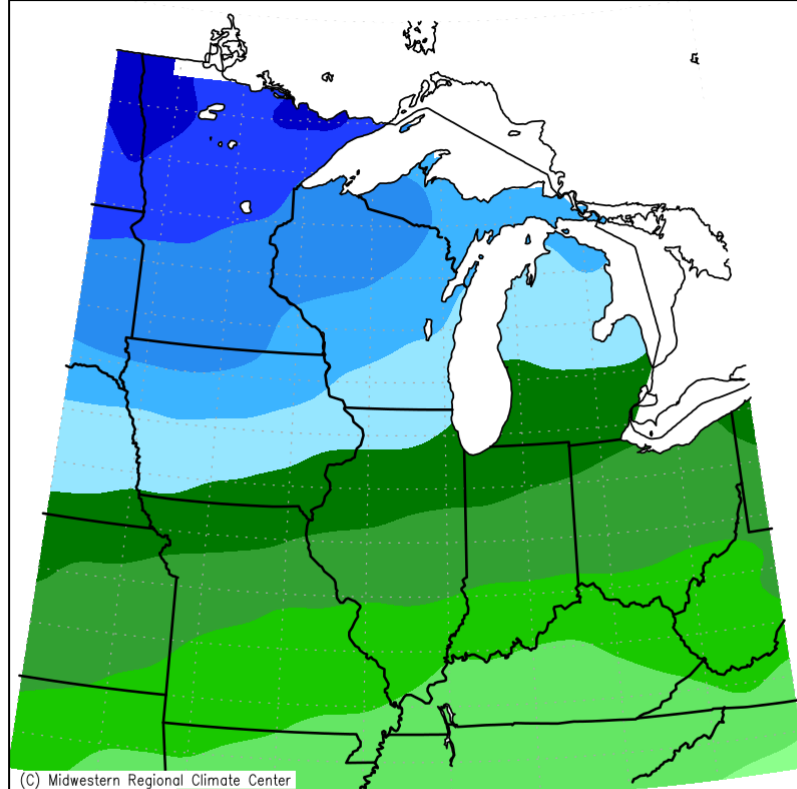
February 2023 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



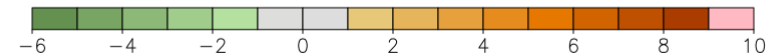
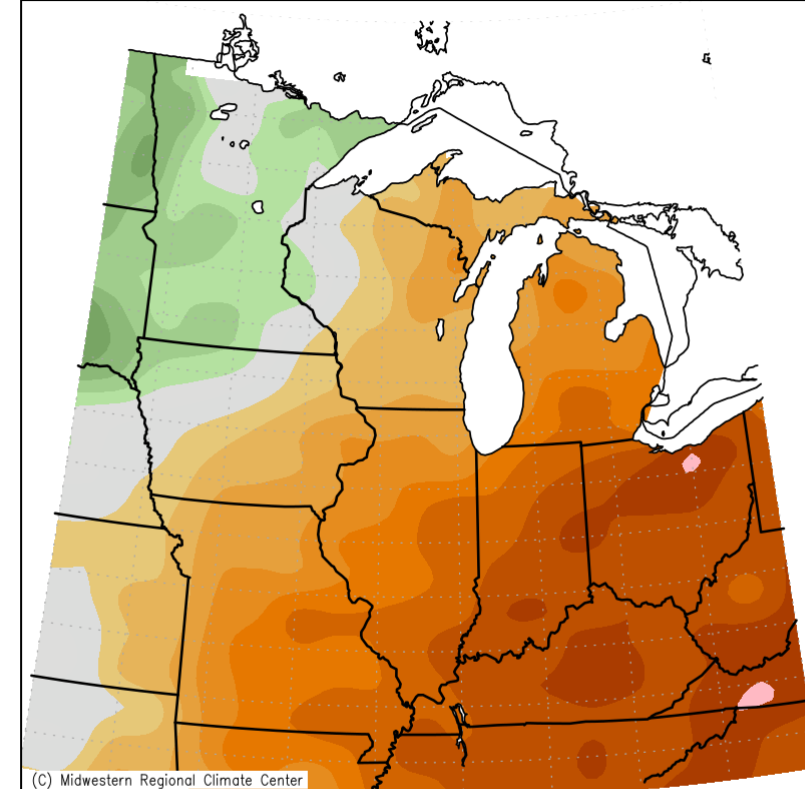
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
February 1, 2023 to February 28, 2023



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2023 10:49:45 AM CST

Average Temperature (°F): Departure from Mean
February 1, 2023 to February 28, 2023



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February 2023 – SE Michigan Temperature Summary

Weather Forecast Office
Detroit, MI



Warmest, Coldest, and Averages (°F)

Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg	Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg
ALGONAC WWTP	59	3	40.7	21.6	31.1	GROSSE POINTE FARMS	60	5	39.5	23.9	31.7
ANN ARBOR MUNICIPAL AP	58	-8	41.2	20.9	31.1	LAPEER 2W	55	-4	39.8	22.1	30.9
ANN ARBOR SE	58	-1	41.6	21.1	31.4	LAPEER WWTP	56	-2	39.5	20.9	30.2
ANN ARBOR U OF MICH	57	-4	43.2	22.0	32.6	MANCHESTER	59	1	42.5	22.8	32.6
BAD AXE	54	-4	35.7	19.3	27.5	MIDLAND	52	-3	34.1	19.6	26.8
BURTON 4N	57	-6	38.8	19.4	29.4	OIL CITY 2S	55	-8	36.7	20.0	28.3
CARO WWTP	55	-8	36.0	19.1	27.6	OWOSSO WWTP	56	-1	37.6	20.8	29.2
CASS CITY 1 SSW	55	-7	36.6	18.6	27.6	PONTIAC INTL AP	55	-1	39.8	23.1	31.5
CHELSEA	56	-2	41.4	23.0	32.2	PONTIAC WWTP	56	3	40.4	22.0	31.2
DEARBORN	59	4	41.1	23.8	32.4	PORT HOPE	54	6	37.2	24.4	30.8
DEARBORN NO. 2	61	6	42.5	25.1	33.8	PORT HURON	59	6	39.9	26.2	33.1
DETROIT CITY AP	62	6	43.5	27.9	35.7	RICHMOND 4 NNW	57	-5	39.1	20.2	29.6
DETROIT METRO AIRPORT	60	6	42.3	25.8	34.0	SAGINAW #3	56	-3	37.2	20.0	28.6
DETROIT WILLOW RUN AP	58	0	41.5	24.2	32.9	SAGINAW MBS INTL AP	55	-1	36.9	22.3	29.6
DUNDEE	59	5	41.3	23.5	32.4	SALINE 4SW	58	-1	42.1	22.6	32.3
FARMINGTON	56	1	39.8	20.7	30.2	TECUMSEH	60	3	42.0	21.9	31.9
FILION 5NNW	54	6	36.8	23.8	30.3	WHITE LAKE 4E	56	-7	40.6	21.0	30.8
FLINT FCWOS	57	-7	39.5	22.0	30.8	WHITMORE LAKE 1NW	55	-1	39.8	21.4	30.6
GOODRICH	55	-2	38.5	20.5	29.5						

February – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Februaries 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	12.2	1875	39.5	1882	11.3	2015	34.5	1998	11.5	2015	33.6	2017
2	14.1	2015	37.9	2017	12.8	1979	34.4	2017	12.1	1979	33.4	1998
3	14.8	1934	36.7	1998	13.4	1978	31.8	1983	13.0	1914	31.5	1984
4	16.0	1936	34.0	2023	14.9	1963	31.2	1984	13.2	1963	30.7	1932
5	16.1	1904	33.8	1930	16.0	2014	31.1	1930	13.4	1934	30.7	1930
6	16.3	1978	33.6	1877	16.4	1936	31.1	1932	13.6	1978	30.6	1931
7	16.4	1979	33.5	1954	17.1	1934	31.1	1927	13.6	1936	30.5	1999
8	16.5	1901	33.3	1984	17.3	2007	31.0	2012	14.3	1917	30.3	2012
9	17.2	1885	33.3	1976	18.3	1967	31.0	1976	15.5	2014	29.9	1954
10	17.6	1914	33.0	1932	18.4	1994	31.0	1931	16.8	2007	29.6	2023
11	17.9	1905	32.9	2002	18.5	1923	30.9	1999	16.9	1962	29.2	2016
12	17.9	1895	32.8	1931	18.7	1958	30.8	2023	16.9	1994	29.1	1983
13	18.3	1912	32.7	1999	19.9	1942	30.8	1954	16.9	1912	29.0	1938
14	18.8	1963	32.6	2012	20.0	1962	30.1	1938	17.1	1923	28.9	1976
15	19.3	2007	32.6	1890	20.0	1959	30.0	2002	17.4	1916	28.8	2002
16	19.4	2014	32.1	1953	20.1	1988	29.8	2016	17.8	1920	28.3	2000
17	19.5	1917	32.1	1880	20.2	1982	29.4	1992	18.5	2003	28.2	1921
18	19.8	1899	31.8	2000	20.3	1980	29.3	2000	18.6	1967	28.1	1927
19	19.8	1889	31.8	1927	20.3	1929	29.2	1991	18.9	1958	28.1	1915
20	20.7	1982	31.6	1983	20.5	2003	28.8	1953	18.9	1913	28.0	1991

* Detroit Area temperature records date back to January 1874.

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

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

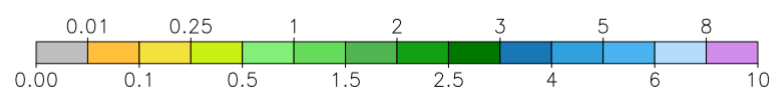
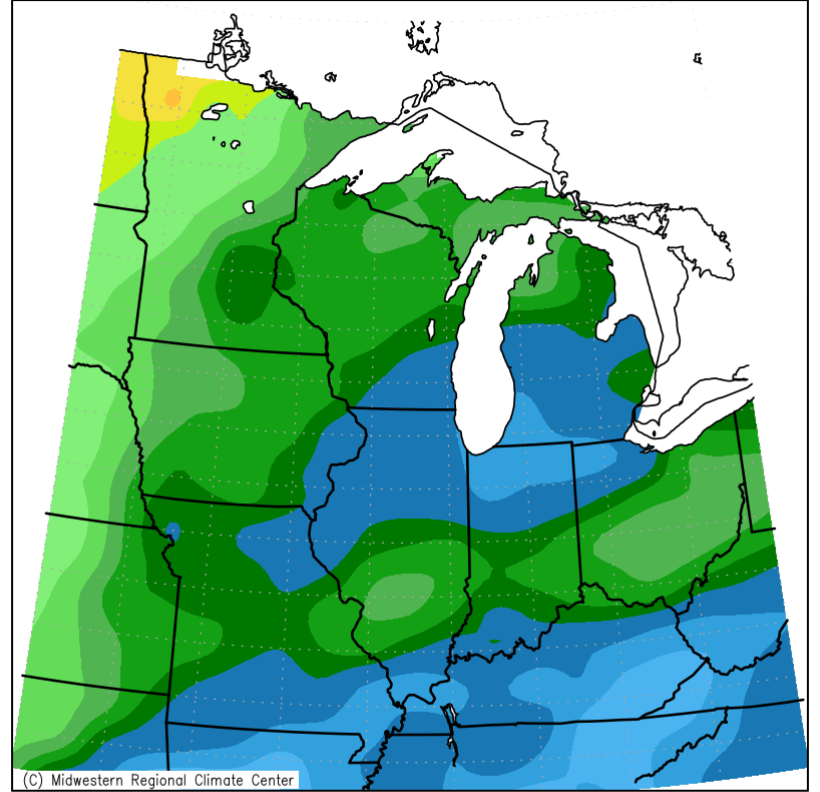
February 2023 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



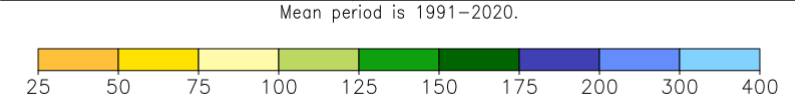
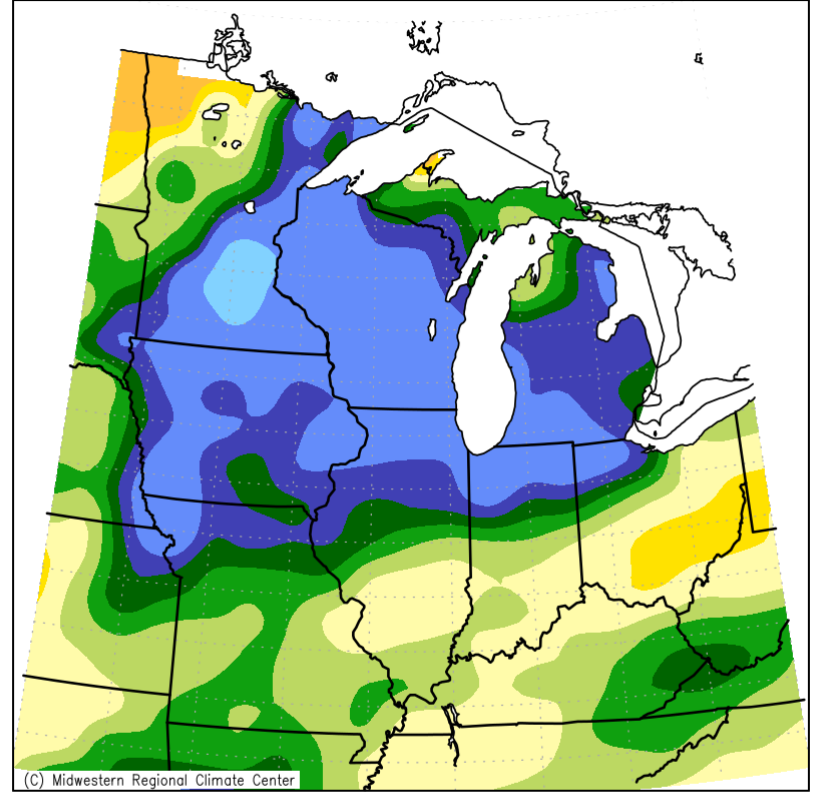
Total Monthly Precipitation (left) & Percent of Mean (right)

Accumulated Precipitation (in)
February 1, 2023 to February 28, 2023



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/1/2023 10:51:16 AM CST

Accumulated Precipitation: Percent of Mean
February 1, 2023 to February 28, 2023



Midwestern Regional Climate Center
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Generated at: 3/1/2023 10:51:45 AM CST

February 2023 – SE Michigan Precipitation Summary

Weather Forecast Office
Detroit, MI



Highest daily total, monthly total, and total number of days of measureable precip (in.)

Location	Highest Daily Total	Monthly Total	# of Days with Precip	Location	Highest Daily Total	Monthly Total	# of Days with Precip
ADRIAN 2 NNE	1.58	4.38	7	FILION 5NNW	0.94	2.98	13
ADRIAN LENAWEЕ CO AP	1.53	3.49	6	FLINT FCWOS	0.92	2.86	10
ALGONAC WWTP	0.79	2.30	7	GOODRICH	0.97	2.46	11
ANN ARBOR MNCPL AP	0.97	2.85	8	GROSSE POINTE FARMS	1.13	3.02	7
ANN ARBOR SE	1.12	3.24	7	LAPEER 2W	1.06	3.54	13
ANN ARBOR U OF MICH	0.91	3.15	10	LAPEER WWTP	0.98	3.23	12
BAD AXE	1.00	3.36	12	MANCHESTER	1.20	3.42	7
CARO WWTP	1.00	3.18	14	OWOSSO WWTP	0.96	2.77	13
CASS CITY 1 SSW	0.83	2.78	11	PONTIAC INTL AP	0.74	2.13	10
CHELSEA	1.03	2.86	7	PORT HOPE	0.68	1.90	13
DEARBORN	1.17	3.17	6	PORT HURON	0.95	2.79	10
DETROIT CITY AP	0.84	2.21	6	RICHMOND 4 NNW	0.92	2.52	7
DETROIT METRO AIRPORT	1.23	2.99	9	SAGINAW #3	0.90	3.34	12
DETROIT WILLOW RUN AP	1.05	2.89	8	SAGINAW MBS INTL AP	0.85	3.12	11
DUNDEE	1.62	4.65	7	WHITE LAKE 4E	0.89	2.56	10
DURAND WWTP	0.95	3.11	10	WHITMORE LAKE 1NW	1.12	2.59	7
FARMINGTON	0.76	2.56	7	WYANDOTTE	1.39	3.32	7

February – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Februaries 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	6.41	1881	0.04	1877	5.28	1954	0.17	1969	6.10	1997	0.21	1969
2	5.59	1876	0.15	1969	5.13	1938	0.25	1934	4.33	1938	0.24	1947
3	5.02	1990	0.22	1895	4.02	2018	0.27	1963	4.09	1990	0.32	1964
4	4.95	1938	0.38	1947	3.52	2001	0.29	2007	3.55	1950	0.34	1963
5	4.95	1908	0.45	1978	3.52	1950	0.34	1979	3.13	2008	0.39	1984
6	4.85	1950	0.47	1934	3.12	1997	0.37	1958	3.12	2023	0.41	1979
7	4.70	1939	0.52	1964	3.01	1985	0.42	1987	3.06	1935	0.42	2007
8	4.30	1900	0.53	1987	2.86	2023	0.51	1978	3.03	2009	0.43	2020
9	4.27	2018	0.55	1941	2.77	1949	0.52	1989	3.02	1965	0.44	1942
10	4.26	1909	0.57	1979	2.59	1990	0.52	1984	2.98	1918	0.46	1917
11	4.16	1887	0.61	1907	2.57	2009	0.55	1964	2.83	1954	0.47	1982
12	4.05	1926	0.63	2004	2.50	1924	0.55	1947	2.79	1998	0.47	1934
13	4.05	1893	0.66	2003	2.45	2005	0.56	1970	2.74	2001	0.49	2003
14	3.90	1997	0.67	1958	2.42	2017	0.60	2003	2.69	2018	0.49	1995
15	3.83	1985	0.70	1963	2.37	2019	0.66	2004	2.69	1939	0.51	1987
16	3.61	2008	0.72	1902	2.36	2022	0.66	1982	2.64	1960	0.59	1978
17	3.60	2011	0.76	1889	2.36	2011	0.68	1991	2.62	1985	0.60	1983
18	3.56	1998	0.77	1989	2.35	2008	0.70	1977	2.61	1930	0.72	1920
19	3.56	1918	0.82	2007	2.32	1971	0.71	1941	2.56	1974	0.73	1989
20	3.48	1954	0.82	1953	2.27	1976	0.71	1929	2.51	1959	0.73	1977

* 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.

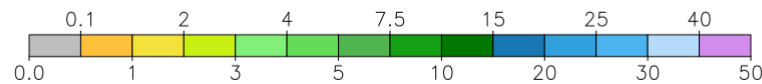
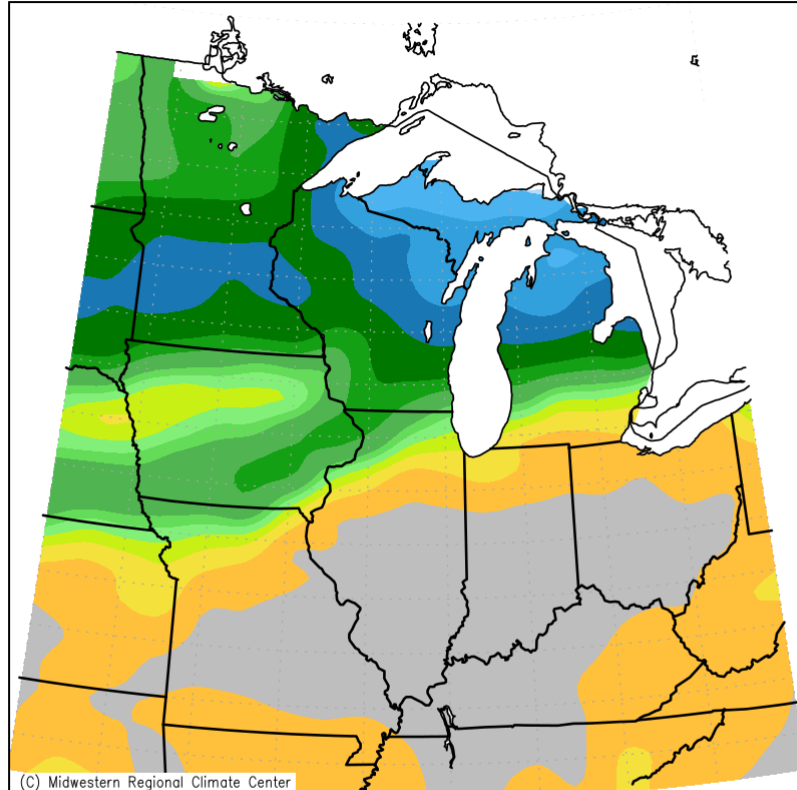
February 2023 – Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



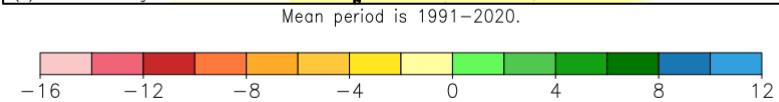
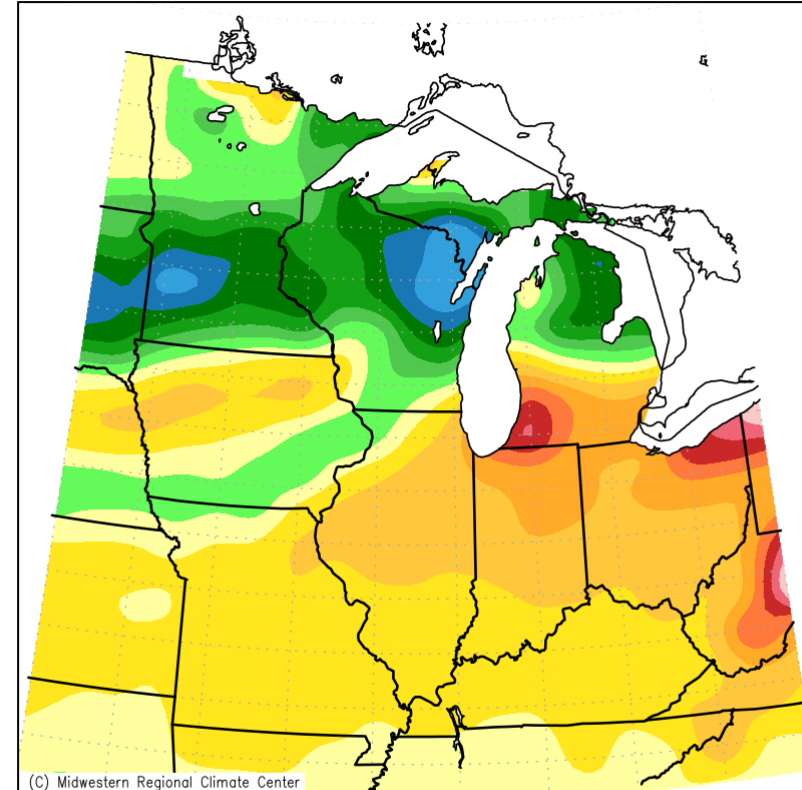
Total Monthly Snowfall (*left*) & Departure from Normal (*right*)

Accumulated Snowfall (in)
February 1, 2023 to February 28, 2023



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
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Accumulated Snowfall (in): Departure from Mean
February 1, 2023 to February 28, 2023



Midwestern Regional Climate Center
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February 2023 – SE Michigan Snowfall Summary

Weather Forecast Office
Detroit, MI



Highest daily total, monthly total, and total number of days of measureable snow (in.)

Location	Highest Daily Total	Monthly Total	# of Days with Snow	Location	Highest Daily Total	Monthly Total	# of Days with Snow	Location	Highest Daily Total	Monthly Total	# of Days with Snow
ALGONAC WWTP	1.0	1.0	1	DURAND WWTP	1.0	2.8	4	OWOSSO WWTP	2.0	4.2	7
ANN ARBOR 2.1 WNW	1.2	1.4	3	FARMINGTON	1.1	1.5	3	PLEASANT RDG 0.5 WNW	1.4	1.4	1
ANN ARBOR 7.1 W	1.0	1.2	2	FENTON 6.2 WSW	1.0	1.8	3	PLYMOUTH 5.4 W	1.3	1.4	2
ANN ARBOR SE	1.5	2.3	6	FILION 5NNW	7.0	19.0	8	PONTIAC WWTP	1.8	2.3	3
ANN ARBOR U OF MICH	1.5	2.3	5	FLINT 7W	2.6	4.3	5	PORT HURON	0.9	1.9	4
BAD AXE	6.9	18.5	8	FLINT FCWOS	2.6	5.9	8	RICHMOND 4 NNW	1.7	3.5	5
BAY PORT 3.2 SSW	5.9	11.4	7	FRANKENMUTH 1SE	2.0	6.5	4	ROSEVILLE 1.7 ENE	0.5	0.5	1
BERKLEY 0.6 N	1.5	1.6	2	GOODRICH	1.6	4.0	7	SAGINAW 8NW	3.9	8.3	6
BURTON 4N	1.9	4.2	6	GROSSE POINTE FARMS	0.4	0.4	1	SAGINAW #3	4.5	10.2	6
CANTON 2.7 N	1.1	1.2	2	HARBOR BEACH 1 SSE	7.0	11.0	2	SAGINAW MBS INTL AP	7.0	13.2	6
CARO WWTP	5.5	14.8	8	LAPEER 2W	4.3	9.2	9	SALINE 3.8 SSW	1.0	1.2	2
CASS CITY 1 SSW	7.0	16.6	5	LAPEER WWTP	2.0	4.7	4	SALINE 4SW	1.2	1.3	2
CHELSEA	0.6	0.7	2	LEXINGTON WWTP	5.0	12.1	6	SHELBY 0.4 SSE	1.5	1.5	1
CHELSEA 3.7 NNE	1.0	1.1	2	LIVONIA 2.3 NNW	0.2	0.2	1	TECUMSEH	1.1	1.1	1
CHESANING	2.0	4.9	7	MANCHESTER	1.0	1.1	2	VASSAR	2.2	4.8	3
DAVISON 5.2 N	3.5	5.0	3	MIDLAND	8.9	14.3	5	WATERFORD 2.1 NW	1.2	1.4	2
DEARBORN	1.4	1.9	2	MILLINGTON 3 SE	2.2	6.8	6	WHITE LAKE 4E	1.8	3.5	7
DETROIT METRO AIRPORT	1.4	2.0	4	NEW BALTIMORE 0.4 SSE	0.2	0.2	1	WHITMORE LAKE 1NW	0.7	0.7	1
DEXTER 0.3 ENE	1.0	1.2	2	OIL CITY 2S	6.9	17.2	8	WYANDOTTE	1.4	2.0	4

February – Top 20 Snowiest/Least Snowy on Record

Weather Forecast Office
Detroit, MI



Top 20 Snowiest/Snowless Februaries in Southeast Lower Michigan (in.)

Rank	Detroit Area*				Flint Bishop**				Saginaw Area***			
	Snowiest		Snowless		Snowiest		Snowless		Snowiest		Snowless	
	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year
1	38.4	1908	0.0	1998	31.7	2011	0.4	1998	34.2	2008	0.0	1987
2	31.7	2011	0.7	1953	29.7	2021	1.4	1992	29.4	2011	0.1	1984
3	28.4	1881	0.9	2004	29.4	2008	1.9	2017	23.4	1935	0.5	1998
4	28.0	1900	1.5	1895	22.7	2016	2.2	1987	22.2	2013	1.4	1983
5	27.6	1926	1.6	1906	22.5	2022	2.4	1953	20.3	1965	1.9	2017
6	27.0	2010	2.0	2023	21.8	2018	2.4	1937	20.0	1912	1.9	1977
7	26.4	2015	2.0	1987	21.8	2014	2.9	1969	19.8	1985	2.0	1932
8	24.2	2008	2.1	1882	21.2	2010	2.9	1943	18.6	1926	2.1	1980
9	23.5	2013	2.2	2017	20.8	1990	3.0	1979	18.4	1990	2.2	1947
10	23.4	2014	2.2	1915	20.6	1986	3.0	1934	18.3	2010	2.4	1942
11	21.8	2021	2.3	1969	20.1	1994	3.5	1945	18.1	2021	2.5	1969
12	21.0	2018	2.4	1992	19.7	1965	3.6	1984	18.0	2016	2.6	1928
13	20.8	1986	2.4	1937	19.6	1988	3.6	1938	18.0	2005	3.1	1995
14	20.4	2022	2.5	1966	18.8	2020	3.8	1977	17.7	1924	3.2	1919
15	19.6	1898	2.6	1891	18.3	1946	4.1	1928	17.5	1950	3.4	1958
16	19.2	2003	2.7	1943	17.4	2015	4.5	1957	17.1	1956	3.5	1963
17	19.2	1988	2.8	1968	17.2	1960	4.8	1983	17.0	2014	3.7	1957
18	18.0	1893	2.8	1925	17.0	1924	4.9	1932	17.0	2012	3.7	1917
19	17.1	1994	2.9	2001	16.7	1973	5.0	2001	16.2	1962	3.8	1913
20	16.9	1985	3.1	1949	16.6	2013	5.1	1921	16.2	2015	4.0	1964

* Detroit Area snowfall records date back to January 1880.

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

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

Note: this table does not account for trace (T) events

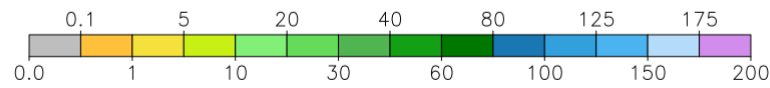
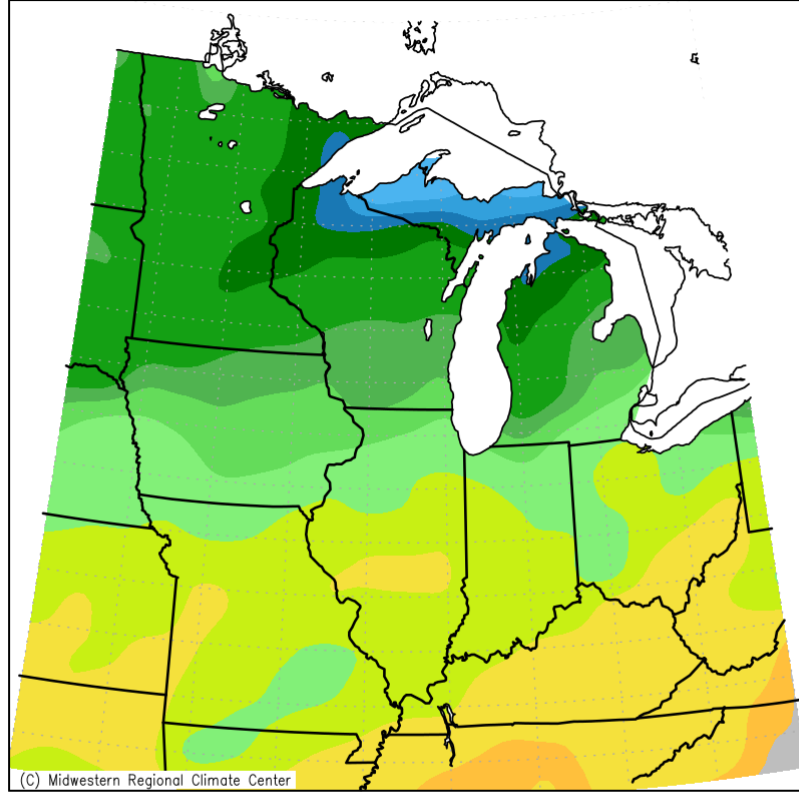
Season-to-Date 2022-2023 Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



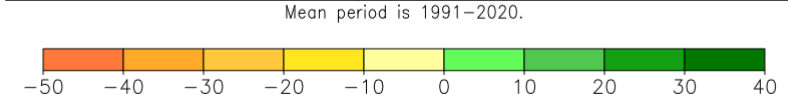
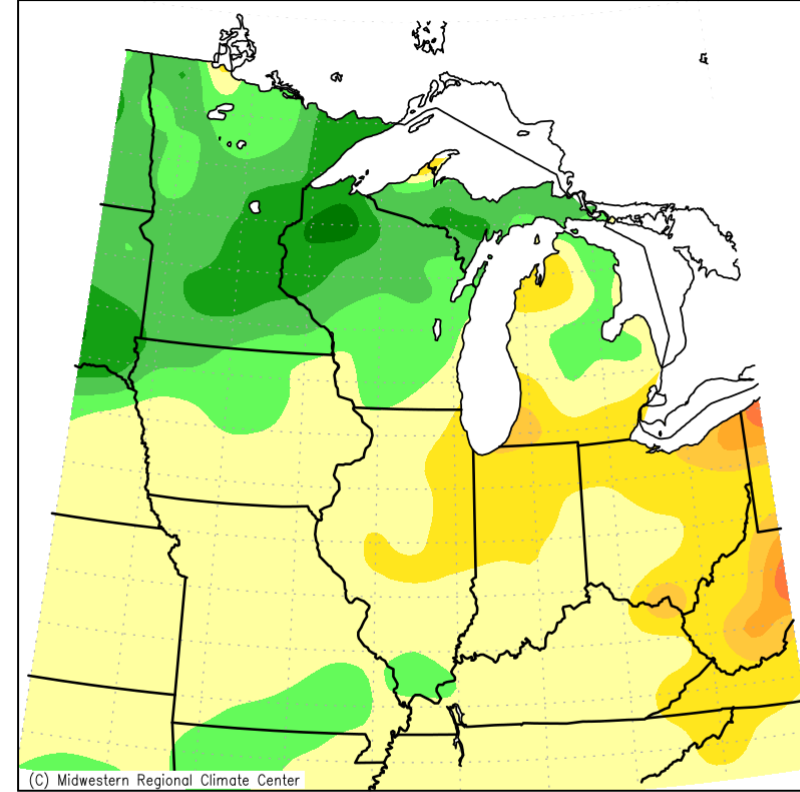
Total Snowfall (left) & Departure from Normal (right)

Accumulated Snowfall (in)
October 1, 2022 to February 28, 2023



Midwestern Regional Climate Center
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Accumulated Snowfall (in): Departure from Mean
October 1, 2022 to February 28, 2023



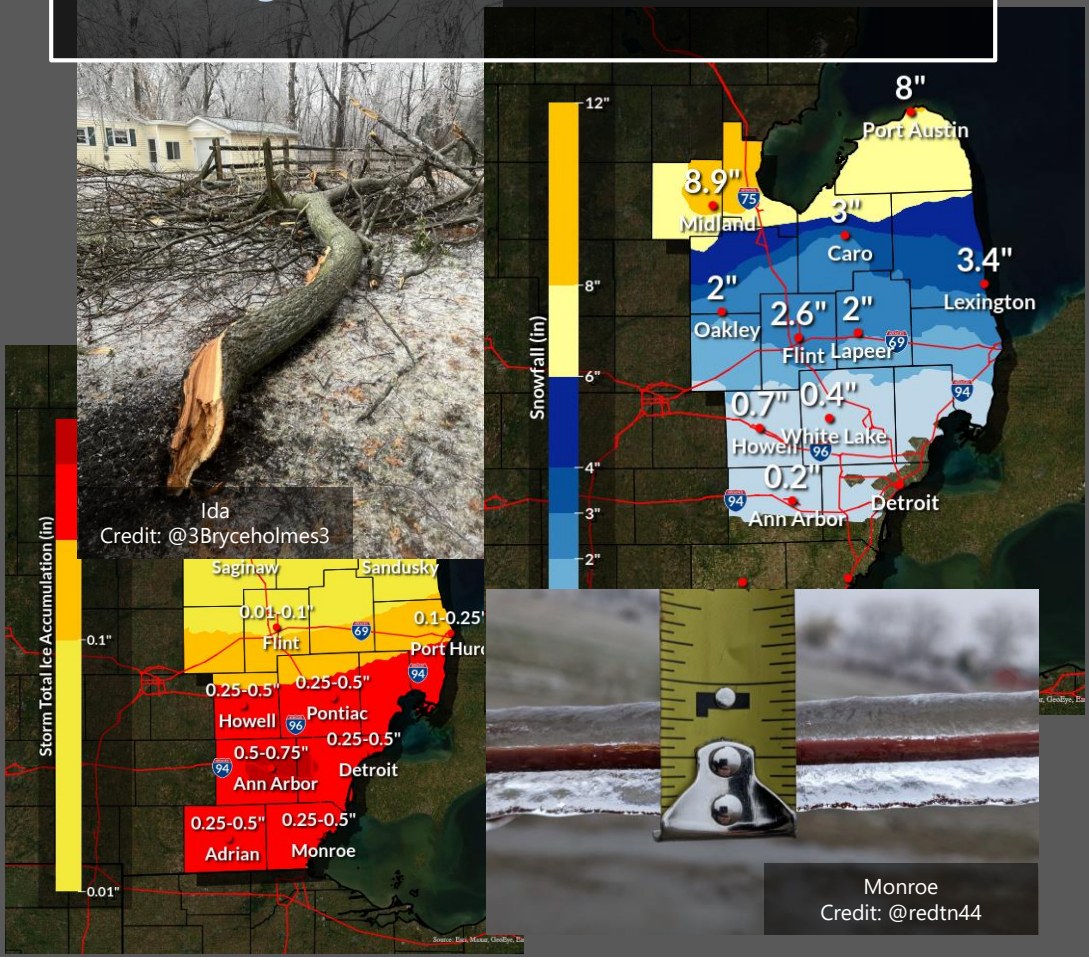
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Follow links for web summaries

February 22 Winter Storm

weather.gov/dtx/2023-02-22-Winter-Storm



February 27 Winter Storm

weather.gov/dtx/2023-02-27-Winter-Storm





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1. Location » 2. Product » 3. Options » 4. View »

View map

- ☑ Daily data for a month
- Daily almanac
- Monthly summarized data
- Calendar day summaries
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- Temperature graphs
- Accumulation graphs

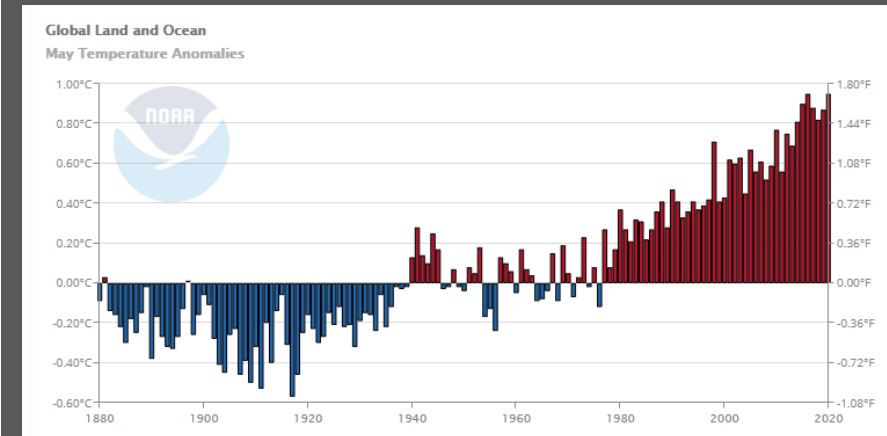
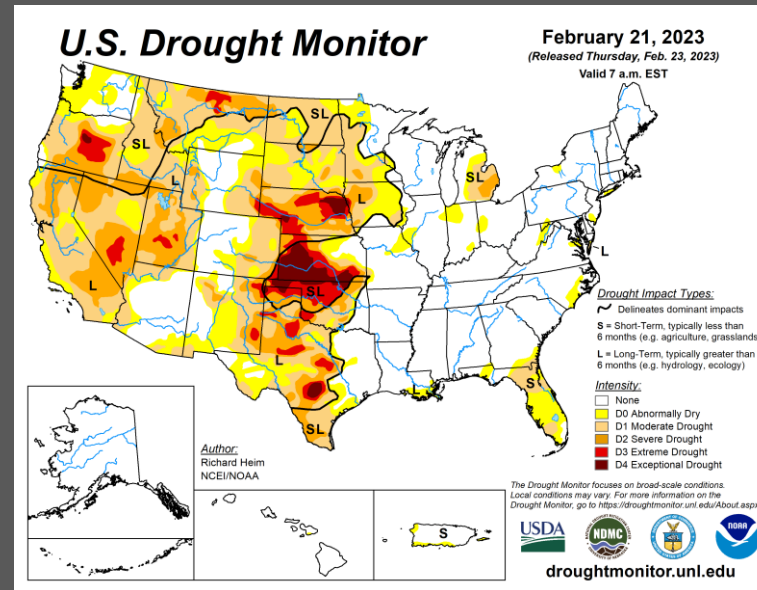
Date: 2021-08 [calendar icon] [Go]

Product Description:
DAILY DATA FOR A MONTH - daily maximum, minimum and average temperature (degrees F), average temperature departure from normal (degrees F), heating and cooling degree days (base 65), precipitation, snowfall and snow depth (inches) for all days of the selected month. Basic monthly summary statistics are also provided.

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10/22 Regional Climate Centers

The Applied Climate Information System (ACIS) is a joint project of the Regional Climate Centers, the National Centers for Environmental Information (NCEI) and the National Weather Service. Official data and data for additional locations are available from the Regional Climate Centers and NCEI.

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SE Michigan Climate Products

weather.gov/wrh/climate?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!