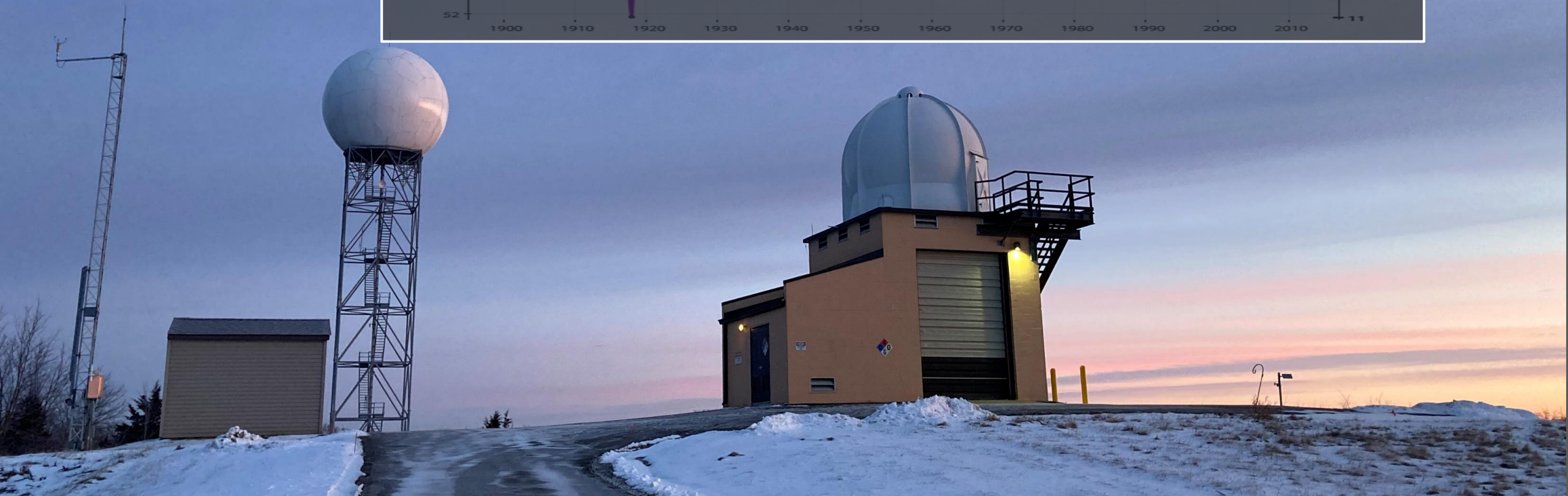


Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



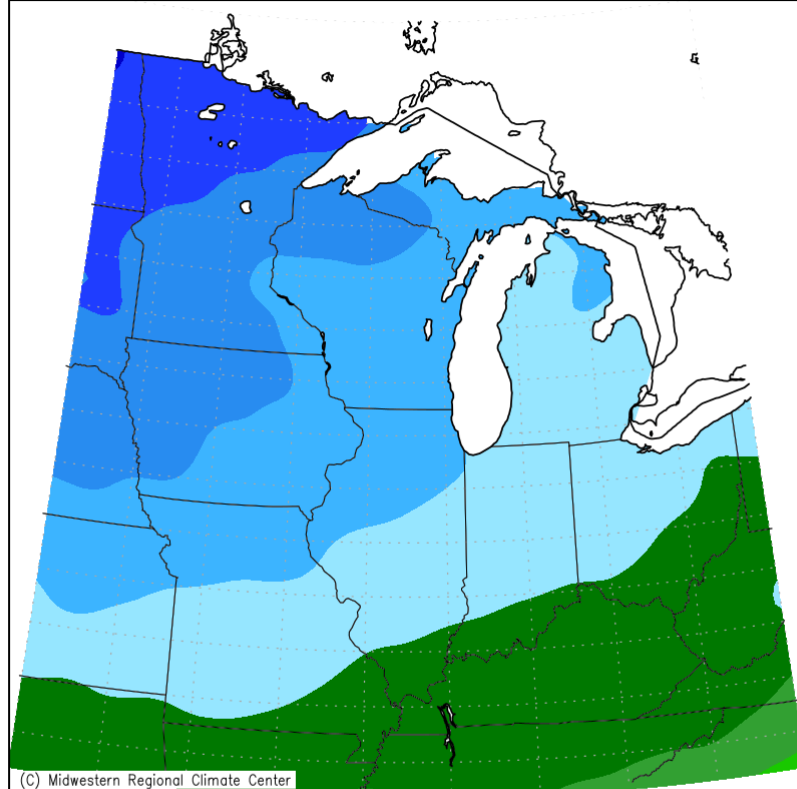
January 2024 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI

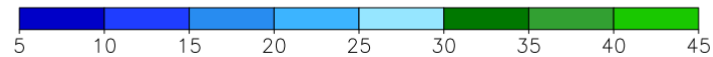


Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
January 1, 2024 to January 31, 2024

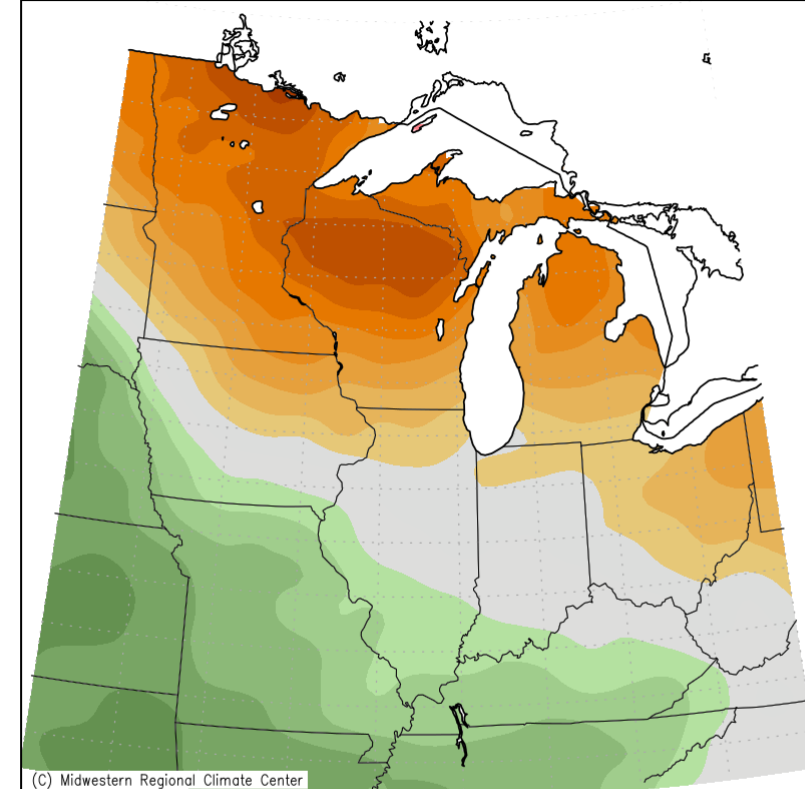


(C) Midwestern Regional Climate Center



Midwestern Regional Climate Center
Purdue University

Average Temperature (°F): Departure from Mean
January 1, 2024 to January 31, 2024



(C) Midwestern Regional Climate Center

Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

January 2024 – 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
ADRIAN LENAWEE CO AP	44	-3	31.9	23.2	27.5	HARBOR BEACH 1 SSE	40	2	30.9	23.3	27.1
ALGONAC WWTP	44	2	32.4	21.9	27.1	LAPEER 2W	41	-3	30.3	22.4	26.4
ANN ARBOR MNCPL AP	42	-7	31.1	21.2	26.1	LAPEER WWTP	42	-1	30.6	22.3	26.5
ANN ARBOR SE	42	-6	31.5	21.5	26.5	LEXINGTON WATER PLANT	42	-1	31.0	21.9	26.5
ANN ARBOR U OF MICH	41	-7	31.9	21.6	26.8	LINDEN WWTP	40	-7	29.7	18.6	24.5
BAD AXE	40	-1	29.4	21.6	25.5	MANCHESTER	41	-6	31.1	20.3	25.7
BURTON 4N	41	-2	30.8	21.7	26.3	MIDLAND	37	-8	28.4	19.6	24.0
CARO WWTP	39	-1	30.2	21.2	25.7	MORENCI	42	-9	30.1	19.7	24.9
CASS CITY 1 SSW	42	-1	30.4	21.2	25.7	OIL CITY 2S	40	-5	29.8	20.9	25.4
CHELSEA	41	-8	30.7	21.5	26.1	OWOSSO WWTP	38	-3	30.2	21.7	25.9
DETROIT CITY AP	47	0	34.4	25.8	30.1	PONTIAC WWTP	42	-5	31.3	22.4	26.8
DETROIT METRO AIRPORT	44	-3	32.2	22.8	27.5	PORT HOPE	41	2	32.3	25.1	28.7
DETROIT WILLOW RUN AP	44	-5	31.7	22.4	27.0	PORT HURON	43	0	32.3	24.5	28.4
DUNDEE	44	-5	30.9	21.1	26.0	RICHMOND 4 NNW	42	-4	31.6	21.2	26.4
DURAND WWTP	40	-8	29.9	19.1	24.4	SAGINAW #3	39	-2	30.2	22.0	26.1
FARMINGTON	42	-6	30.2	20.4	25.3	SAGINAW MBS INTL AP	40	-2	30.6	22.4	26.5
FILION 5NNW	43	6	32.3	25.0	28.6	SALINE 4SW	41	-7	31.6	20.4	26.0
FLINT 7W	40	-3	30.2	21.7	26.0	TECUMSEH	42	-5	30.6	20.4	25.4
FLINT FCWOS	42	-1	31.6	23.1	27.4	WHITE LAKE 4E	41	-6	30.6	20.5	25.5
GOODRICH	41	-3	30.6	21.7	26.2	WHITMORE LAKE 1NW	41	-8	29.3	19.6	24.4
GROSSE POINTE FARMS	43	-2	30.9	22.4	26.7						

January – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Januaries 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	12.8	1977	36.7	1932	10.9	1977	34.3	1932	9.4	1912	34.7	1932
2	13.1	1912	36.7	1880	13.1	1963	33.7	1933	10.4	1918	33.1	1933
3	13.2	1918	35.3	2006	13.8	1994	32.7	2006	11.6	1963	31.4	2006
4	15.2	1893	34.7	1933	14.3	1984	32.0	2020	12.1	1994	30.9	2023
5	15.3	1875	33.6	1906	14.5	2009	31.8	1990	12.7	1920	30.9	1990
6	16.4	2014	33.5	2023	15.1	1970	31.5	2023	12.8	1977	30.4	2020
7	16.6	1970	33.5	1990	15.6	2014	30.9	2002	14.3	1982	29.3	1937
8	16.8	1920	33.5	1890	15.6	1945	30.8	1989	14.8	1979	29.0	1989
9	17.1	1982	32.8	1998	15.8	1979	30.7	1934	14.8	1970	28.9	2002
10	17.2	1963	32.8	1989	15.9	1959	30.3	1950	14.9	2009	28.7	1921
11	17.3	2009	32.7	2002	16.4	1982	29.9	1998	15.1	2004	28.6	1998
12	17.3	1994	32.5	1950	16.6	1948	29.1	2012	15.6	1945	28.5	1934
13	17.4	1881	32.4	2020	17.2	2004	29.0	1949	15.9	1948	28.4	2012
14	17.6	1904	32.1	2017	17.6	2022	28.8	2017	16.0	2014	28.2	1919
15	17.9	1984	32.1	1876	17.6	1957	28.8	1944	16.1	1959	28.1	1950
16	17.9	1888	31.6	1949	17.8	1962	28.7	1973	16.4	1984	28.0	1949
17	18.0	1945	31.0	1919	18.0	1981	28.6	1921	16.5	1962	27.9	2017
18	18.6	1979	31.0	1882	18.0	1929	28.2	2021	16.6	1981	27.6	1916
19	19.0	1981	30.8	1944	18.1	1976	28.2	1937	16.6	1978	27.4	1944
20	19.0	1940	30.7	2012	18.2	1978	28.1	2016	16.8	1985	27.2	1964

* 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.

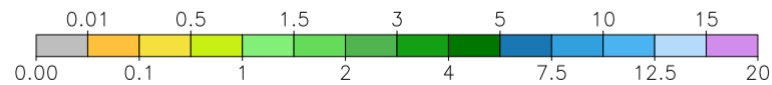
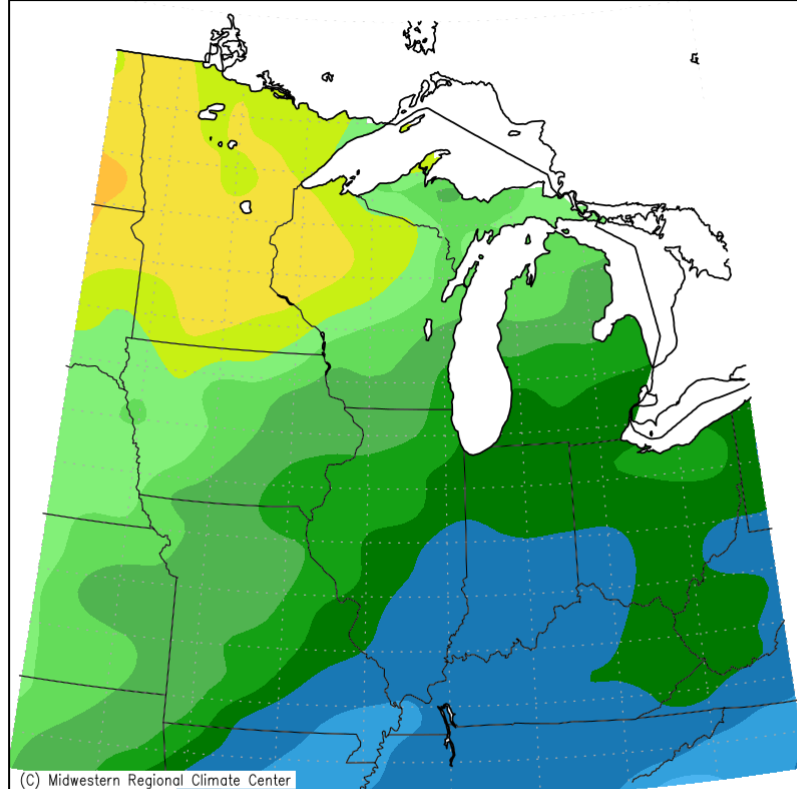
January 2024 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



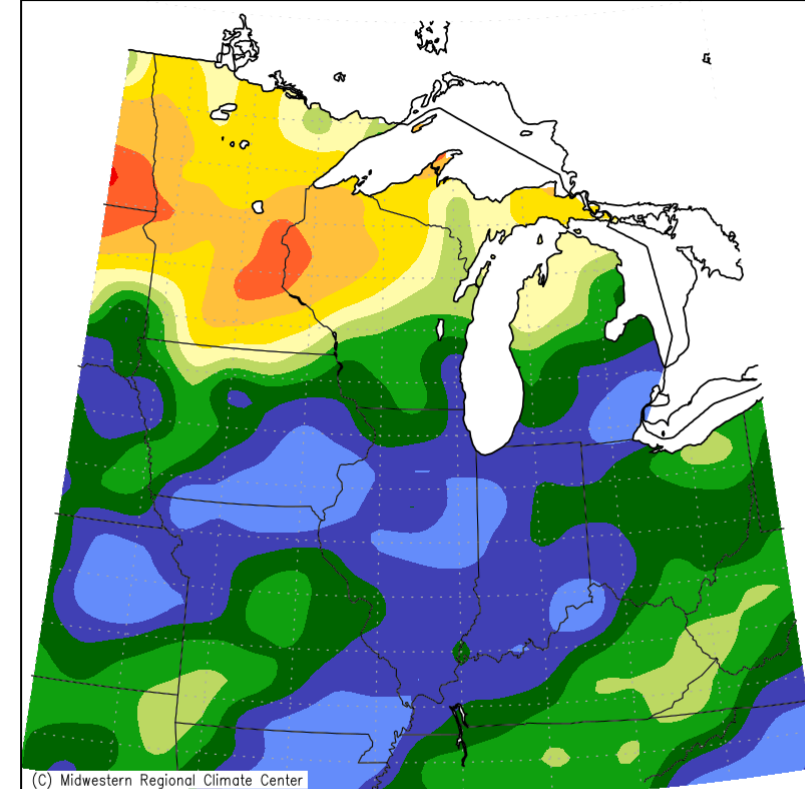
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)
January 1, 2024 to January 31, 2024



Midwestern Regional Climate Center
Purdue University

Accumulated Precipitation: Percent of Mean
January 1, 2024 to January 31, 2024



Midwestern Regional Climate Center
Purdue University

January 2024 – 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 LENAWEE CO AP	0.90	3.87	18	GOODRICH	0.98	3.20	20
ALGONAC WWTP	1.10	4.81	18	GROSSE POINTE FARMS	1.12	4.13	17
ANN ARBOR MNCPL AP	1.10	4.34	15	HARBOR BEACH 1 SSE	1.09	3.54	14
ANN ARBOR SE	1.41	5.94	25	LAPEER WWTP	0.91	4.04	20
ANN ARBOR U OF MICH	1.53	6.17	21	MANCHESTER	1.30	5.64	22
CARO WWTP	0.78	3.52	16	MORENCI	1.02	4.90	19
CASS CITY 1 SSW	0.94	3.33	18	OIL CITY 2S	0.98	3.48	18
CHELSEA	1.14	4.60	22	OWOSSO WWTP	0.93	4.05	19
CHESANING	0.72	3.56	18	PONTIAC WWTP	1.15	4.96	21
DEARBORN	1.10	4.27	18	PORT HOPE	1.10	3.17	15
DETROIT CITY AP	1.04	3.98	15	PORT HURON	0.99	4.03	13
DETROIT METRO AIRPORT	1.07	5.25	21	RICHMOND 4 NNW	0.78	3.91	13
DETROIT WILLOW RUN AP	0.93	3.96	15	SAGINAW 8NW	0.77	3.20	14
DUNDEE	0.97	5.54	21	SAGINAW #3	0.82	3.51	21
DURAND WWTP	0.87	3.06	16	SAGINAW MBS INTL AP	0.59	2.25	12
FILION 5NNW	1.08	3.32	21	SALINE 4SW	1.30	5.04	18
FLINT 7W	0.78	3.59	20	WHITE LAKE 4E	0.85	4.20	19
FLINT FCWOS	0.66	3.10	19	WYANDOTTE	1.15	5.18	22

January – Top 20 Wettest/Driest on Record



Top 20 Wettest/Driest Januaries 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	5.25	2024	0.23	1961	4.02	2006	0.07	1945	4.04	1998	0.24	1945
2	5.02	1932	0.28	1921	3.90	2013	0.26	2003	3.74	1993	0.29	1919
3	4.96	1874	0.42	2003	3.56	1947	0.32	1961	3.55	1932	0.38	1921
4	4.38	1950	0.45	1945	3.36	2020	0.41	1940	3.50	1950	0.40	1934
5	4.31	1916	0.52	2022	3.21	1950	0.45	1921	3.43	2005	0.44	2022
6	4.27	1929	0.57	1981	3.17	1951	0.46	1971	3.26	2013	0.46	1961
7	4.12	2020	0.57	1902	3.13	2017	0.48	1958	3.19	1967	0.46	1933
8	3.95	1913	0.64	1963	3.10	2024	0.51	1966	3.11	1914	0.50	2003
9	3.92	1993	0.68	1966	3.07	1932	0.56	1984	3.09	1999	0.50	1942
10	3.87	1907	0.69	2001	3.05	1998	0.57	1977	3.06	1978	0.54	1981
11	3.85	1930	0.69	1980	2.93	2005	0.59	1981	3.00	2006	0.59	1980
12	3.74	1965	0.76	2010	2.89	1999	0.62	2022	2.97	1962	0.62	1984
13	3.64	1937	0.78	1984	2.89	1975	0.63	1963	2.92	1974	0.68	1977
14	3.45	2013	0.80	1958	2.80	1993	0.63	1934	2.91	1969	0.74	1920
15	3.43	1982	0.84	1983	2.61	1974	0.70	1986	2.79	1965	0.75	1926
16	3.40	2005	0.87	1938	2.60	1965	0.78	1970	2.72	1982	0.77	2021
17	3.36	2002	0.91	1919	2.60	1949	0.82	1922	2.71	1959	0.77	2009
18	3.34	1904	0.92	1891	2.53	2014	0.83	2010	2.67	1951	0.78	1912
19	3.32	1898	0.94	1894	2.52	1959	0.91	1925	2.64	1975	0.79	1986
20	3.26	1974	0.97	1875	2.49	2008	0.93	1936	2.63	1997	0.81	1964

* 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.

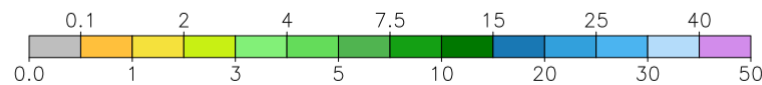
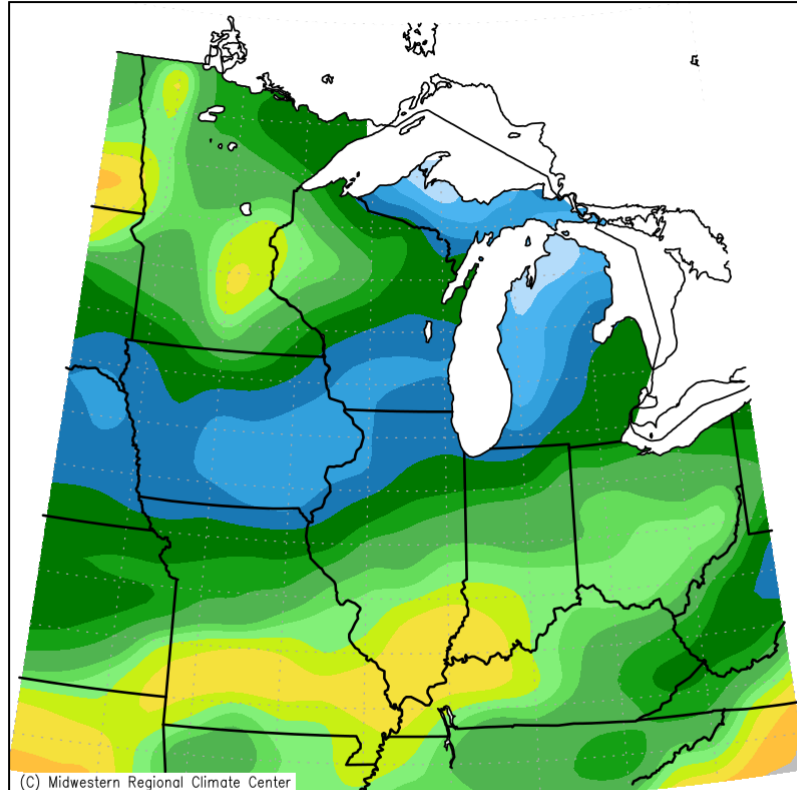
January 2024 – Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



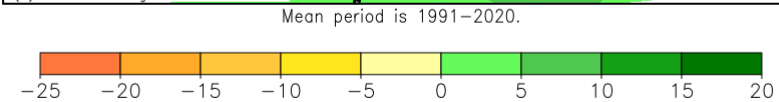
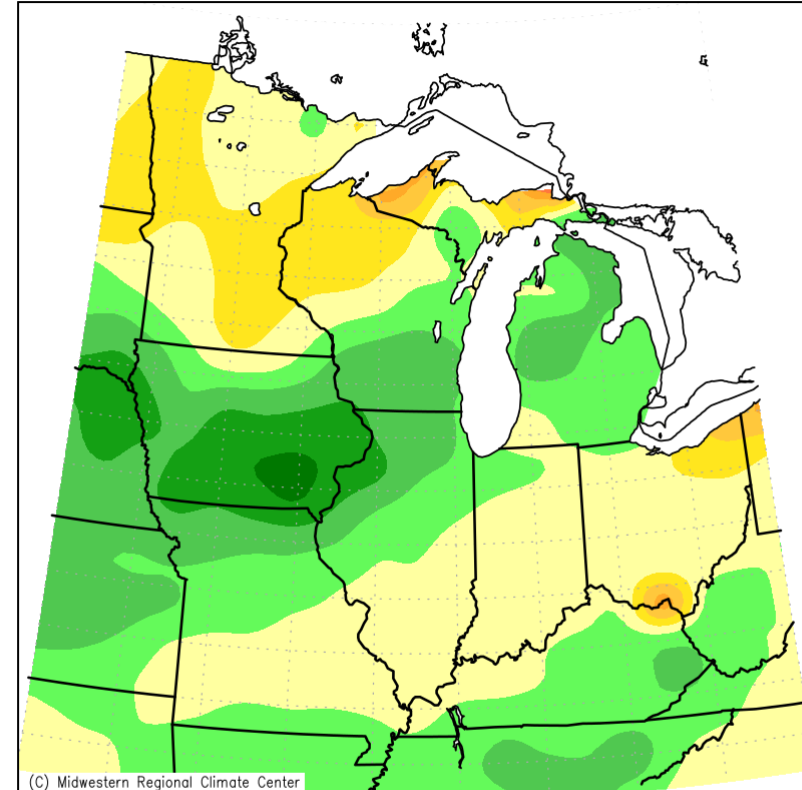
Total Monthly Snowfall (*left*) & Departure from Normal (*right*)

Accumulated Snowfall (in)
January 1, 2024 to January 31, 2024



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 2/1/2024 7:44:04 PM EST

Accumulated Snowfall (in): Departure from Mean
January 1, 2024 to January 31, 2024



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 2/1/2024 7:44:29 PM EST

January 2024 – 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
ADRIAN 2 NNE	4.5	14.6	8	DEARBORN	2.0	8.5	7	NEW BALTIMORE SSE	1.2	6.7	9
ALGONAC WWTP	2.0	7.0	6	DETROIT METRO AIRPORT	4.6	17.0	13	OIL CITY 2S	7.4	20.0	13
ANN ARBOR 2.1 WNW	5.0	11.1	10	DURAND WWTP	3.0	6.5	7	OWOSSO WWTP	2.8	10.5	11
ANN ARBOR 7.1 W	6.5	10.7	13	FARMINGTON	4.0	12.4	9	PLEASANT RDG WNW	2.4	7.4	8
ANN ARBOR SE	6.3	21.0	21	FENTON 6.2 WSW	1.7	7.9	13	PLYMOUTH 5.4 W	5.0	9.7	9
ANN ARBOR U OF MICH	4.5	22.0	16	FILION 5NNW	2.2	14.3	17	PONTIAC WWTP	3.8	12.2	8
AUBURN 2NE	5.8	18.0	13	FLINT 7W	2.3	15.0	16	PORT HURON	4.5	9.5	4
BAD AXE	3.9	15.4	15	FLINT FCWOS	4.2	14.9	14	PORT HURON 1.6 W	4.0	8.5	8
BAD AXE 6.3 SSW	4.0	9.3	7	GOODRICH	3.1	11.8	14	RICHMOND 4 NNW	5.9	20.4	11
BAY PORT 3.2 SSW	3.7	10.9	8	GROSSE POINTE FARMS	2.0	6.8	7	SAGINAW 8NW	5.6	14.4	10
BERKLEY 0.6 N	4.5	10.0	9	HARBOR BEACH 1 SSE	2.5	10.2	10	SAGINAW #3	5.5	10.5	10
BURTON 4N	3.5	11.6	14	LAPEER 2W	8.2	23.0	16	SAGINAW MBS INTL AP	3.5	16.2	14
CARO WWTP	4.8	13.3	10	LAPEER WWTP	4.6	12.4	9	SALINE 3.8 SSW	4.5	8.6	8
CASS CITY 1 SSW	4.0	15.6	12	MANCHESTER	4.0	10.5	12	SALINE 4SW	5.1	11.2	8
CHELSEA	4.8	15.2	11	MILLINGTON 3 SE	3.6	12.7	10	WATERFORD 2.1 NW	5.5	13.4	11
CHELSEA 3.7 NNE	5.6	11.3	11	MORENCI	4.0	10.8	10	WHITE LAKE 4E	7.5	23.2	17
CHESANING	3.2	7.9	11					WYANDOTTE	4.2	16.0	14

January – Top 20 Snowiest/Least Snowy on Record

Weather Forecast Office
Detroit, MI



Top 20 Snowiest/Snowless Januaries 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	39.1	2014	0.4	1933	32.9	2014	0.0	1934	30.9	1967	0.1	1973
2	29.6	1978	0.5	1880	28.5	1976	0.2	1933	30.3	1978	0.4	1933
3	27.3	1999	0.9	1932	27.6	1967	0.5	1932	29.0	1999	0.9	1921
4	26.9	2005	0.9	1921	26.1	1979	0.8	1921	26.1	1979	1.0	1919
5	25.2	2009	1.1	1916	26.0	1959	1.2	1937	26.0	1997	1.5	1937
6	24.0	1987	1.4	1935	24.9	1999	1.3	1973	24.4	2004	1.7	1942
7	23.1	1893	1.4	1894	24.7	2004	2.0	1945	22.6	1914	1.8	1916
8	22.2	1910	1.5	1983	23.6	1978	3.1	1955	22.0	2011	2.0	1934
9	21.9	1929	1.5	1891	22.8	2008	3.1	1949	21.7	1918	2.3	1944
10	21.8	1914	1.6	1890	20.2	2018	3.1	1944	21.2	1947	2.5	1950
11	21.8	1881	1.7	1919	19.7	2005	3.4	1935	19.7	1943	2.8	1945
12	21.5	1895	1.9	1944	19.3	1982	3.8	1983	19.6	1976	2.9	1949
13	21.1	1939	2.4	1973	18.4	1995	4.1	1940	19.2	1962	2.9	1928
14	20.9	1985	2.6	1896	18.3	1930	4.9	1996	18.9	2008	3.1	1964
15	20.8	1997	2.8	1980	17.4	1943	5.1	2001	18.0	1982	3.4	1990
16	20.1	1904	2.9	1955	17.3	2011	5.2	1964	16.9	1959	3.4	1980
17	20.0	1982	3.3	1961	17.3	1997	5.2	1950	16.2	2024	3.5	1983
18	18.6	1918	3.4	2001	17.1	2009	5.3	1938	16.0	1929	4.0	1932
19	18.4	1943	3.4	1958	16.9	1987	5.5	1941	15.9	2005	4.1	1975
20	18.4	1992	3.6	1942	16.8	2019	5.5	1922	15.8	1985	4.4	2018

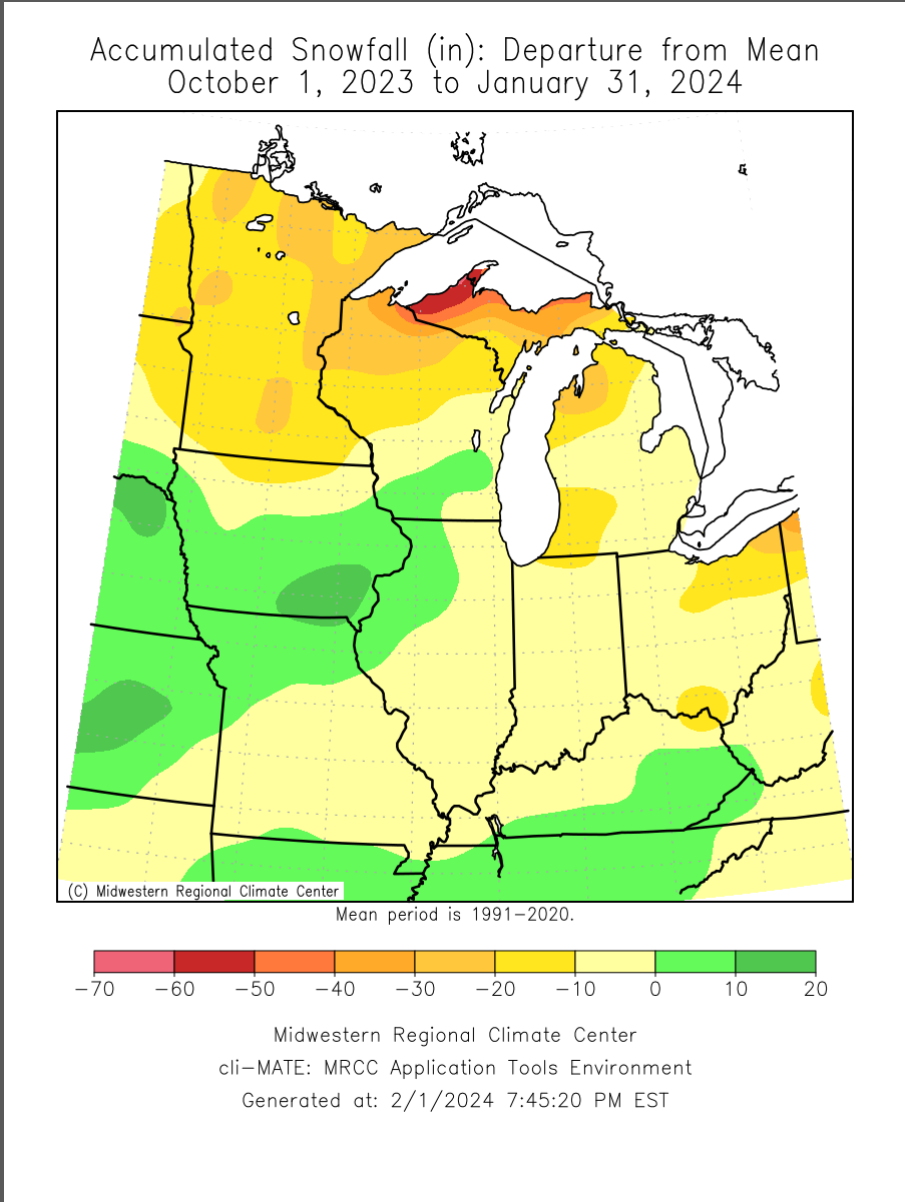
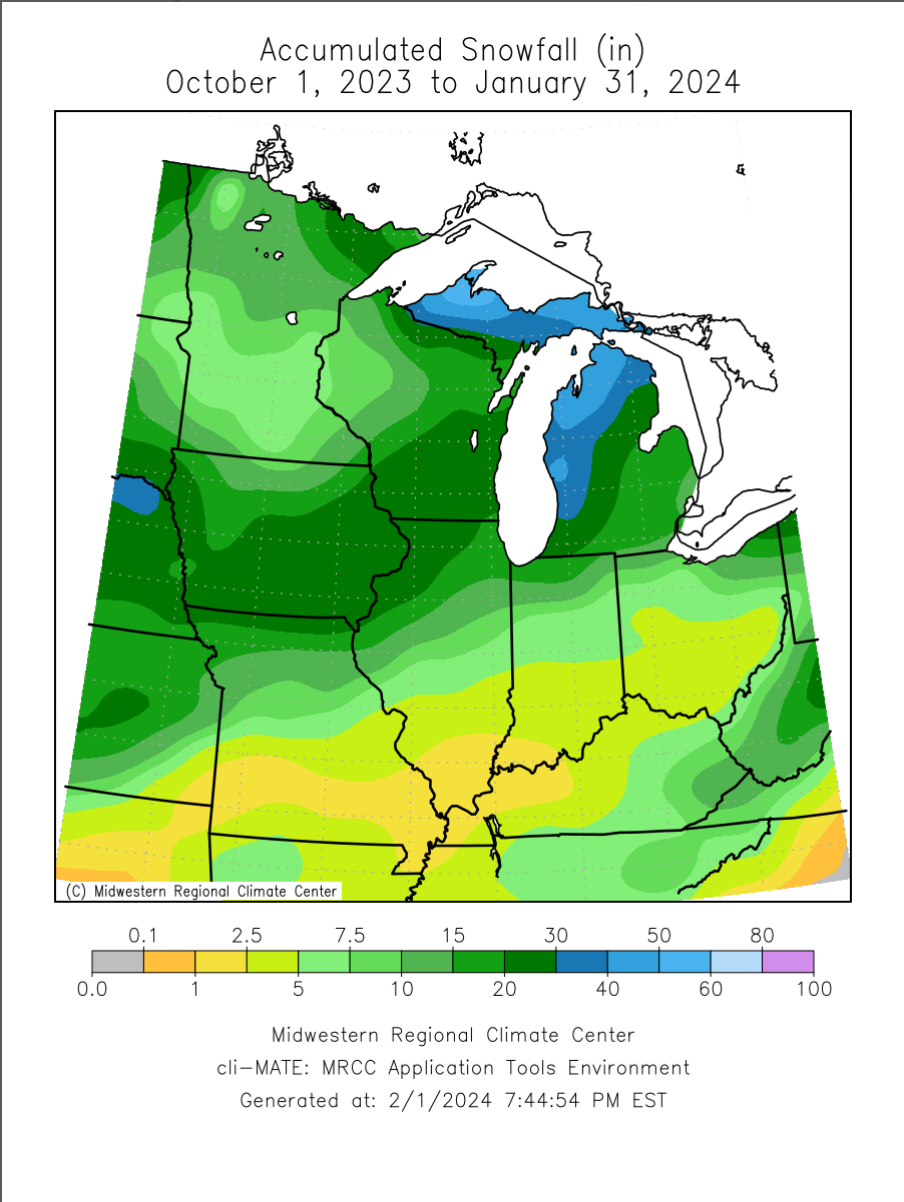
* Detroit Area snowfall records date back to January 1880.

** 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

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



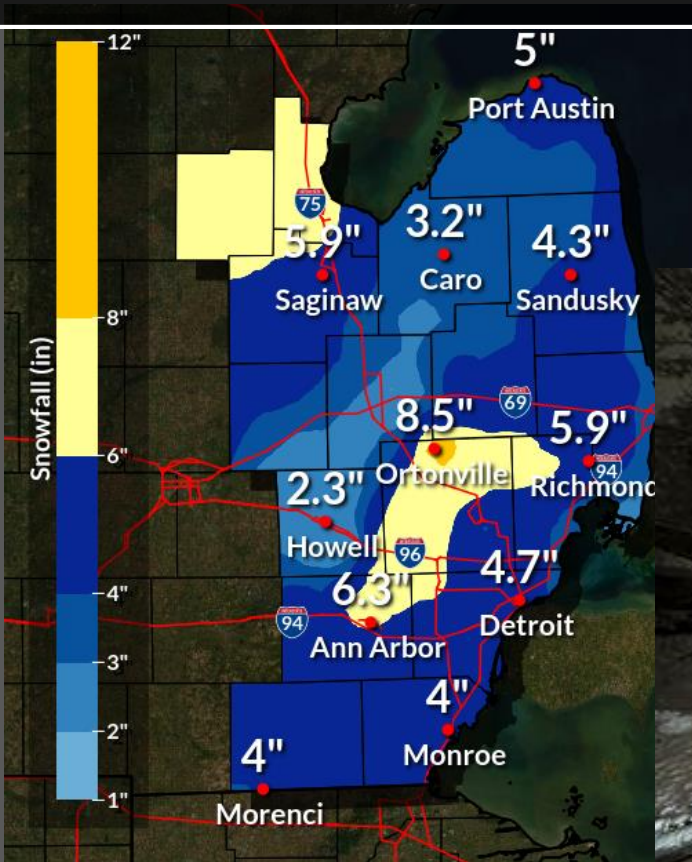
January 2024 – Significant Weather Events

Weather Forecast Office
Detroit, MI



Follow links for web summaries

January 12-13 Winter Storm [weather.gov/dtx/2024-01-12-Winter-Storm](https://www.weather.gov/dtx/2024-01-12-Winter-Storm)



Wyandotte
Credit: Josh Halasy



Oakland Twp
Credit: Ryan Jake Jakubowski



NOWData Observed Weather Climate Prediction and Variability Local Data/Records Climate Resources

NOWData - NOAA Online Weather Data

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

View map

- ☑ Detroit Area
- ☐ Flint Area
- ☐ Saginaw Area
- ☐ Adrian 2 Nne, MI
- ☐ Ann Arbor Univ O, MI
- ☐ Bad Axe, MI
- ☐ Caro Wwtp, MI
- ☐ Chelsea, MI
- ☐ Detroit City Ap, MI
- ☐ Detroit Metropol, MI

Product

- ☑ Daily data for a month
- ☐ Daily almanac
- ☐ Monthly summarized data
- ☐ Calendar day summaries
- ☐ Daily/monthly normals
- ☐ Climatology for a day
- ☐ First/last dates
- ☐ Temperature graphs
- ☐ Accumulation graphs

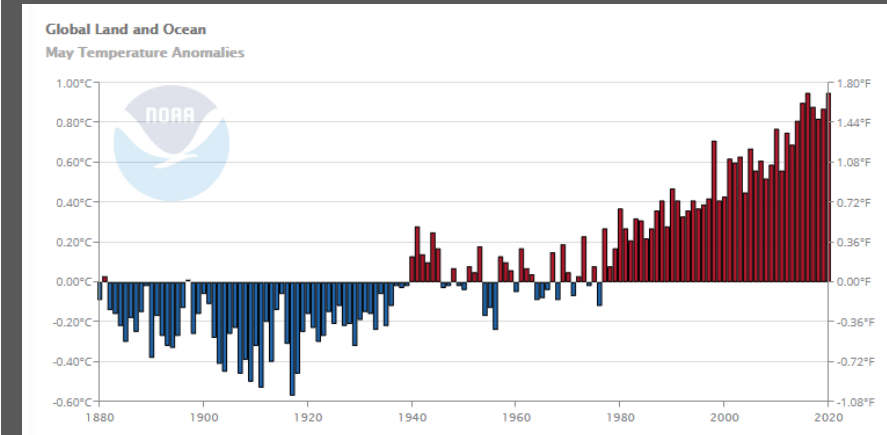
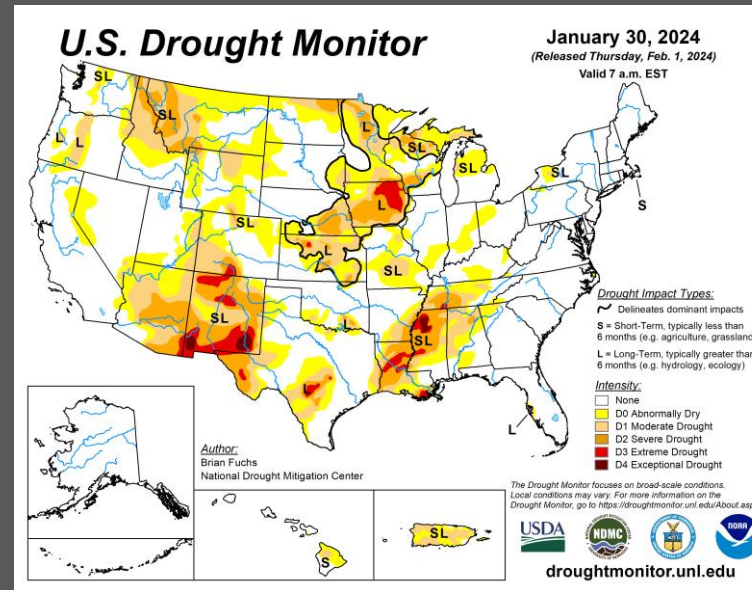
Options Date: 2021-08 **Go**

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.

Common questions - Submit a question/comment -

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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.



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

ncei.noaa.gov/access/monitoring/climate-at-a-glance/

Thank you to our COOP and CoCoRaHS volunteer weather observers!