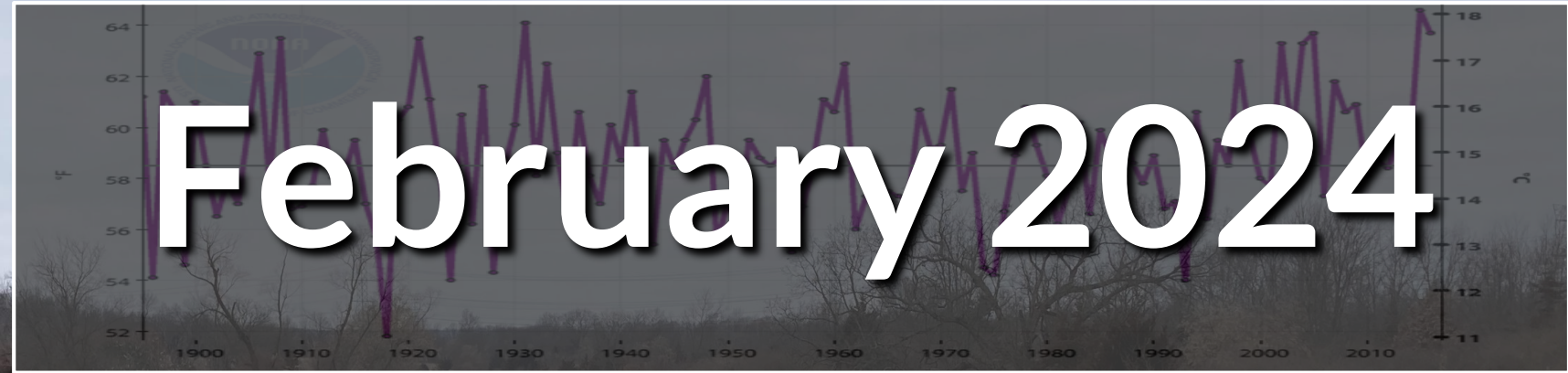


Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



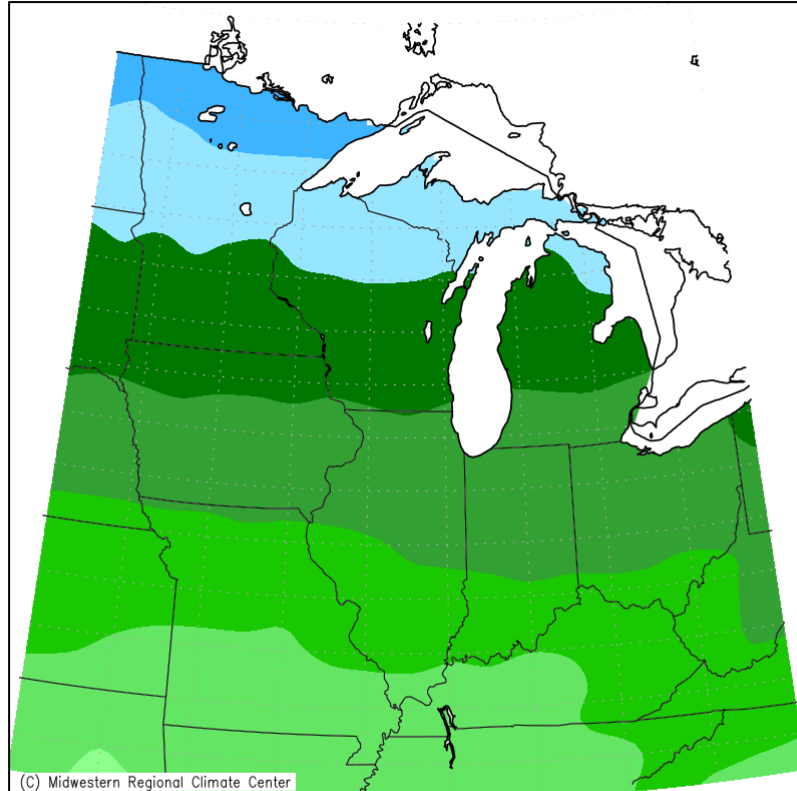
February 2024 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



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

Average Temperature (°F)
February 1, 2024 to February 29, 2024

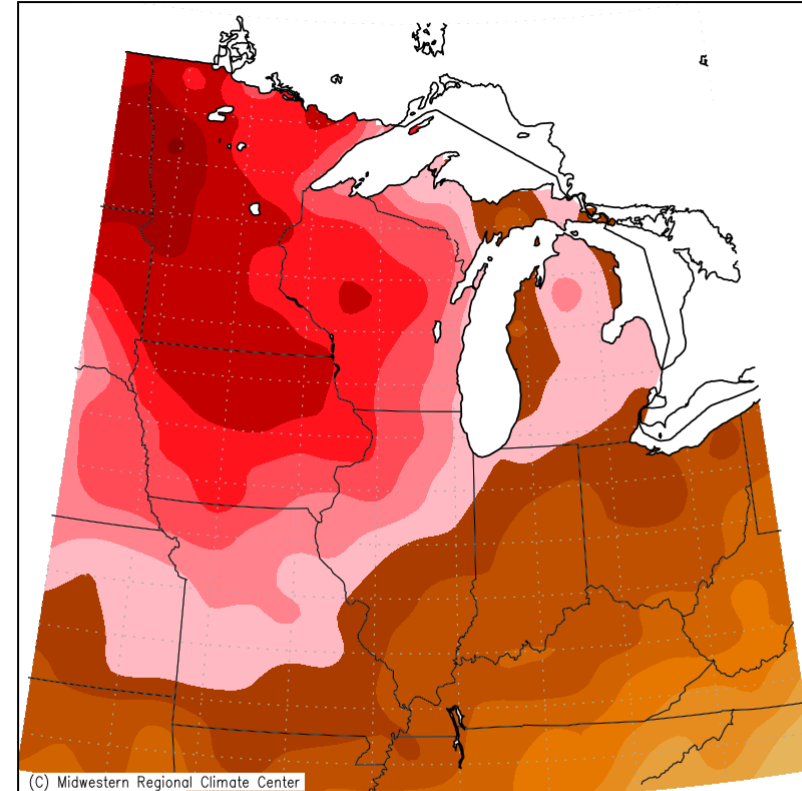


(C) Midwestern Regional Climate Center



Midwestern Regional Climate Center
Purdue University

Average Temperature (°F): Departure from Mean
February 1, 2024 to February 29, 2024



(C) Midwestern Regional Climate Center

Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

February 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 2 NNE	71	15	46.7	25.4	36.1	GROSSE POINTE FARMS	71	16	42.3	27.9	35.1
ADRIAN LENAWEE CO AP	64	16	45.9	26.7	36.3	HARBOR BEACH 1 SSE	63	13	40.1	25.0	32.5
ALGONAC WWTP	68	16	44.8	26.3	35.6	LAPEER 2W	75	13	43.5	26.1	34.8
ANN ARBOR MNCPL AP	63	13	44.5	23.3	33.9	LAPEER WWTP	74	14	44.9	25.3	35.1
ANN ARBOR SE	73	14	46.2	25.2	35.7	LEXINGTON WATER PLANT	63	14	40.4	24.8	32.2
ANN ARBOR U OF MICH	73	12	47.1	24.6	35.8	MANCHESTER	72	15	46.4	24.7	35.6
BAD AXE	72	11	41.3	24.1	32.7	MIDLAND	69	8	40.3	23.7	32.0
BURTON 4N	71	14	44.5	24.1	34.3	MORENCI	70	14	45.4	24.0	34.7
CARO WWTP	72	6	43.5	23.3	33.5	OIL CITY 2S	73	10	42.2	22.5	32.4
CASS CITY 1 SSW	72	8	43.3	23.3	33.4	OWOSSO WWTP	74	16	43.4	25.4	34.4
CHELSEA	72	13	45.2	25.7	35.4	PONTIAC INTL AP	62	18	42.8	25.4	34.1
DEARBORN NO. 2	73	18	47.4	27.2	37.3	PONTIAC WWTP	72	18	46.0	27.5	36.8
DETROIT CITY AP	66	19	46.1	28.8	37.5	PORT AUSTIN WWTP	71	12	40.1	25.5	32.8
DETROIT METRO AIRPORT	73	17	46.5	27.7	37.1	PORT HOPE	73	15	40.9	28.0	34.5
DETROIT WILLOW RUN AP	66	15	45.6	25.0	35.3	PORT HURON	66	19	42.1	29.0	35.5
DUNDEE	73	15	46.8	26.7	36.7	RICHMOND 4 NNW	72	13	43.4	25.0	34.2
DURAND WWTP	73	13	43.1	23.1	33.3	SAGINAW #3	74	15	43.6	24.5	34.1
FARMINGTON	72	16	45.2	24.4	34.8	SAGINAW MBS INTL AP	74	13	43.6	26.7	35.1
FILION 5NNW	72	14	42.5	27.5	35.0	SALINE 4SW	74	12	46.4	24.8	35.6
FLINT 7W	72	16	43.2	23.9	33.6	WHITE LAKE 4E	74	15	45.0	24.6	34.8
FLINT FCWOS	74	18	44.9	26.1	35.5	WHITMORE LAKE 1NW	71	14	44.6	25.0	34.8
GOODRICH	72	17	43.8	25.3	34.6						

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	35.5	2024	11.5	2015	35.1	2024
2	14.1	2015	37.9	2017	12.8	1979	34.5	1998	12.1	1979	33.6	2017
3	14.8	1934	37.1	2024	13.4	1978	34.4	2017	13.0	1914	33.4	1998
4	16.0	1936	36.7	1998	14.9	1963	31.8	1983	13.2	1963	31.5	1984
5	16.1	1904	34.0	2023	16.0	2014	31.2	1984	13.4	1934	30.7	1932
6	16.3	1978	33.8	1930	16.4	1936	31.1	1930	13.6	1978	30.7	1930
7	16.4	1979	33.6	1877	17.1	1934	31.1	1932	13.6	1936	30.6	1931
8	16.5	1901	33.5	1954	17.3	2007	31.1	1927	14.3	1917	30.5	1999
9	17.2	1885	33.3	1984	18.3	1967	31.0	2012	15.5	2014	30.3	2012
10	17.6	1914	33.3	1976	18.4	1994	31.0	1976	16.8	2007	29.9	1954
11	17.9	1905	33.0	1932	18.5	1923	31.0	1931	16.9	1962	29.6	2023
12	17.9	1895	32.9	2002	18.7	1958	30.9	1999	16.9	1994	29.2	2016
13	18.3	1912	32.8	1931	19.9	1942	30.8	2023	16.9	1912	29.1	1983
14	18.8	1963	32.7	1999	20.0	1962	30.8	1954	17.1	1923	29.0	1938
15	19.3	2007	32.6	2012	20.0	1959	30.1	1938	17.4	1916	28.9	1976
16	19.4	2014	32.6	1890	20.1	1988	30.0	2002	17.8	1920	28.8	2002
17	19.5	1917	32.1	1953	20.2	1982	29.8	2016	18.5	2003	28.3	2000
18	19.8	1899	32.1	1880	20.3	1980	29.4	1992	18.6	1967	28.2	1921
19	19.8	1889	31.8	2000	20.3	1929	29.3	2000	18.9	1958	28.1	1927
20	20.7	1982	31.8	1927	20.5	2003	29.2	1991	18.9	1913	28.1	1915

* 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.

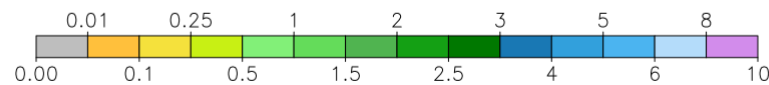
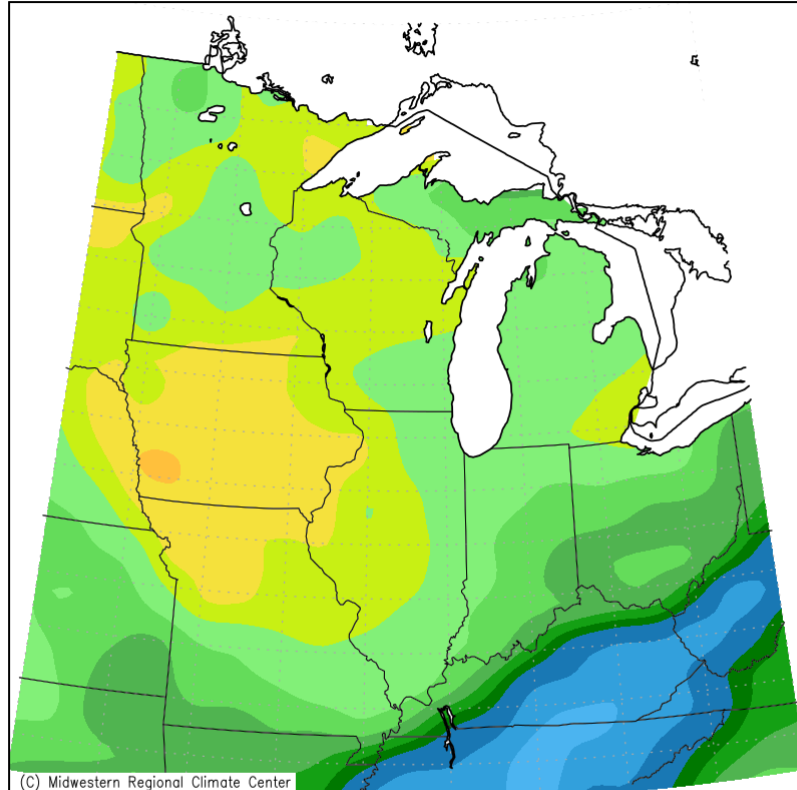
February 2024 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



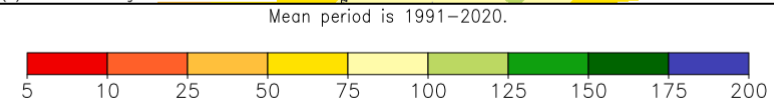
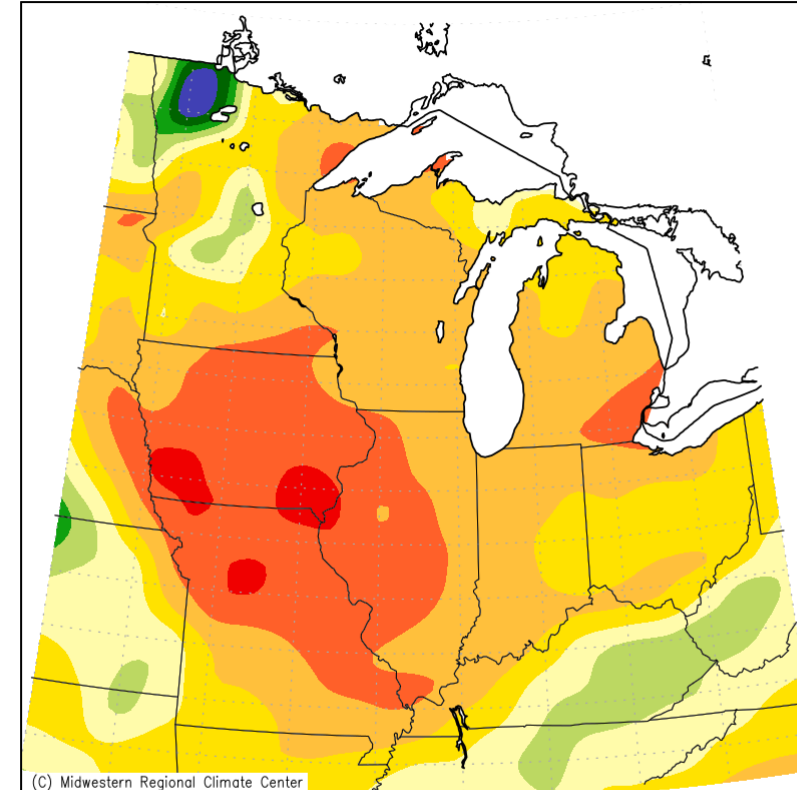
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)
February 1, 2024 to February 29, 2024



Midwestern Regional Climate Center
Purdue University

Accumulated Precipitation: Percent of Mean
February 1, 2024 to February 29, 2024



Midwestern Regional Climate Center
Purdue University

February 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 2 NNE	0.19	0.45	9	HARBOR BEACH 1 SSE	0.41	0.86	5
ALGONAC WWTP	0.28	0.79	6	LAPEER 2W	0.55	0.83	7
ANN ARBOR SE	0.25	0.40	3	LAPEER WWTP	0.48	0.91	6
ANN ARBOR U OF MICH	0.21	0.39	5	LEXINGTON WATER PLANT	0.33	0.47	5
BAD AXE	0.37	0.52	6	MANCHESTER	0.05	0.16	4
CARO WWTP	0.20	0.42	3	MIDLAND	0.41	0.79	3
CASS CITY 1 SSW	0.21	0.42	5	MORENCI	0.37	0.76	6
CHELSEA	0.12	0.14	2	OIL CITY 2S	0.39	0.63	4
DEARBORN	0.12	0.13	2	OWOSSO WWTP	0.18	0.34	3
DEARBORN NO. 2	0.09	0.17	2	PONTIAC WWTP	0.39	0.55	4
DETROIT METRO AIRPORT	0.11	0.24	4	PORT HOPE	0.38	0.65	8
DUNDEE	0.19	0.43	5	PORT HURON	0.15	0.23	2
FARMINGTON	0.15	0.26	2	RICHMOND 4 NNW	0.28	0.47	4
FILION 5NNW	0.22	0.48	8	SAGINAW 8NW	0.32	0.77	5
FLINT 7W	0.41	0.66	4	SAGINAW #3	0.40	0.92	6
FLINT FCWOS	0.35	0.53	4	SAGINAW MBS INTL AP	0.36	0.73	4
GOODRICH	0.37	0.45	5	WHITE LAKE 4E	0.36	0.56	4
GROSSE POINTE FARMS	0.11	0.18	3	WYANDOTTE	0.11	0.17	3

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	0.24	2024	3.52	2001	0.29	2007	3.55	1950	0.34	1963
5	4.95	1908	0.38	1947	3.52	1950	0.34	1979	3.13	2008	0.39	1984
6	4.85	1950	0.45	1978	3.12	1997	0.37	1958	3.12	2023	0.41	1979
7	4.70	1939	0.47	1934	3.01	1985	0.42	1987	3.06	1935	0.42	2007
8	4.30	1900	0.52	1964	2.86	2023	0.51	1978	3.03	2009	0.43	2020
9	4.27	2018	0.53	1987	2.77	1949	0.52	1989	3.02	1965	0.44	1942
10	4.26	1909	0.55	1941	2.59	1990	0.52	1984	2.98	1918	0.46	1917
11	4.16	1887	0.57	1979	2.57	2009	0.53	2024	2.83	1954	0.47	1982
12	4.05	1926	0.61	1907	2.50	1924	0.55	1964	2.79	1998	0.47	1934
13	4.05	1893	0.63	2004	2.45	2005	0.55	1947	2.74	2001	0.49	2003
14	3.90	1997	0.66	2003	2.42	2017	0.56	1970	2.69	2018	0.49	1995
15	3.83	1985	0.67	1958	2.37	2019	0.60	2003	2.69	1939	0.51	1987
16	3.61	2008	0.70	1963	2.36	2022	0.66	2004	2.64	1960	0.59	1978
17	3.60	2011	0.72	1902	2.36	2011	0.66	1982	2.62	1985	0.60	1983
18	3.56	1998	0.76	1889	2.35	2008	0.68	1991	2.61	1930	0.72	1920
19	3.56	1918	0.77	1989	2.32	1971	0.70	1977	2.56	1974	0.73	2024
20	3.48	1954	0.82	2007	2.27	1976	0.71	1941	2.51	1959	0.73	1989

* 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.

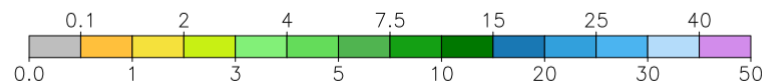
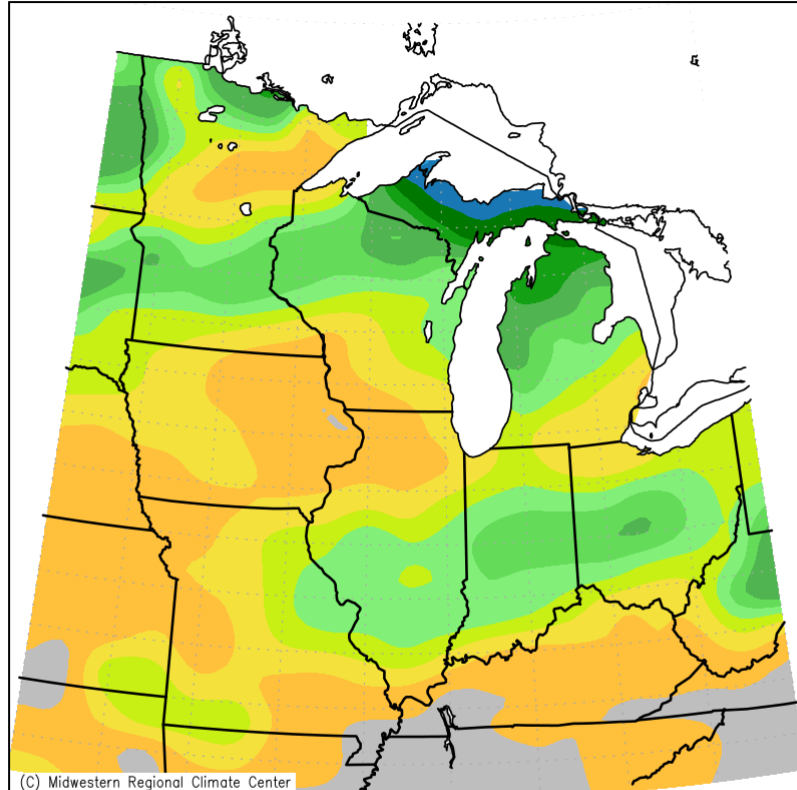
February 2024 – Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



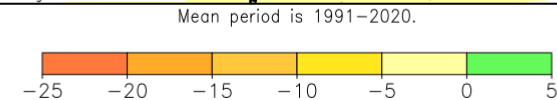
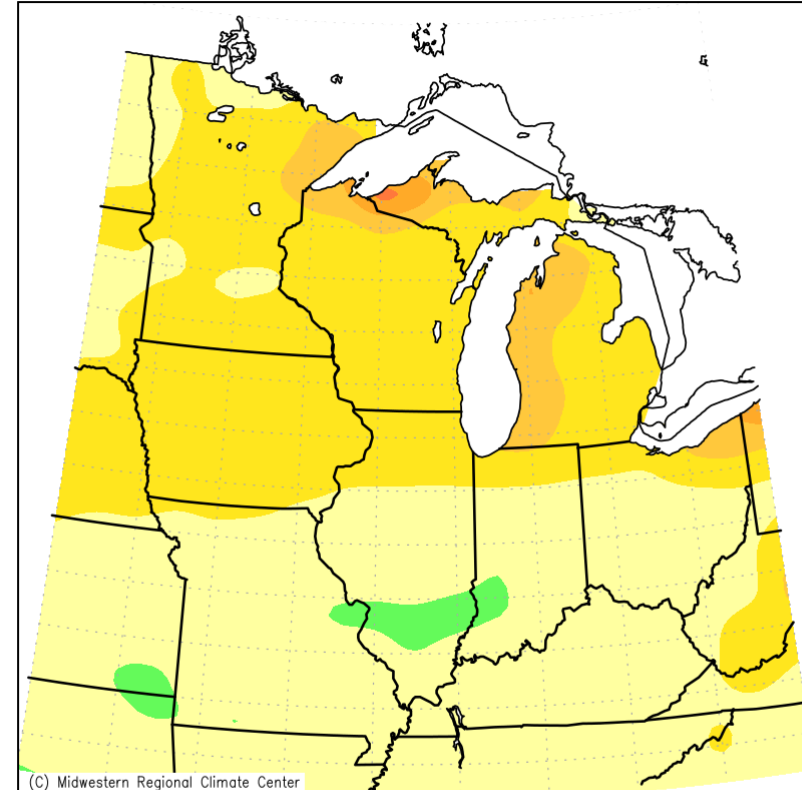
Total Monthly Snowfall (*left*) & Departure from Normal (*right*)

Accumulated Snowfall (in)
February 1, 2024 to February 29, 2024



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/2/2024 4:17:45 AM EST

Accumulated Snowfall (in): Departure from Mean
February 1, 2024 to February 29, 2024



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/2/2024 4:18:08 AM EST

February 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	0.7	1.0	3	DEARBORN NO. 2	0.9	0.9	1	MIDLAND 4.4 SW	4.0	5.0	2
ALGONAC WWTP	T	T	0	DETROIT METRO AIRPORT	1.9	3.1	3	MONROE 3.0 S	0.3	0.5	2
ANN ARBOR 2.1 WNW	1.5	1.5	1	DURAND 6.2 WNW	1.0	1.5	2	MORENCI	0.6	1.4	3
ANN ARBOR 4.5 W	1.0	1.0	1	DURAND WWTP	1.0	1.0	1	OIL CITY 2S	4.8	5.2	2
ANN ARBOR 7.1 W	0.5	0.5	1	FARMINGTON	1.0	1.0	1	ORTONVILLE 2.3 S	0.4	0.7	2
ANN ARBOR SE	1.5	1.8	4	FENTON 5.6 WSW	1.0	1.0	1	OWOSSO WWTP	2.5	2.5	1
ANN ARBOR U OF MICH	1.6	2.1	4	FENTON 6.2 WSW	1.6	1.7	2	PLYMOUTH 5.4 W	1.3	1.3	1
BAD AXE	2.4	3.8	4	FILION 5NNW	2.6	3.5	6	PONTIAC WWTP	0.1	0.1	1
BAY PORT 3.2 SSW	2.5	3.4	3	FLINT 7W	2.7	3.2	3	PORT HURON	T	T	0
BERKLEY 0.6 N	1.5	1.5	1	FLINT FCWOS	2.7	3.3	4	PORT HURON 1.6 W	2.2	2.2	1
BURTON 4N	1.0	1.5	2	GOODRICH	0.7	1.2	2	RICHMOND 4 NNW	1.4	2.7	3
CANTON 2.7 N	1.5	2.3	2	GROSSE POINTE FARMS	T	T	0	ROSEVILLE 1.7 ENE	0.1	0.1	1
CARO WWTP	2.0	2.0	1	HARBOR BEACH 1 SSE	2.6	3.3	4	SAGINAW 6.4 W	4.5	5.5	2
CASS CITY 1 SSW	1.0	1.4	3	HOWELL 3.7 WSW	1.8	3.6	2	SAGINAW 8NW	2.2	3.4	2
CHELSEA	2.0	2.0	1	LAPEER 2W	1.2	2.8	5	SAGINAW #3	3.0	5.5	4
CHELSEA 3.7 NNE	1.3	1.3	1	LAPEER WWTP	1.0	1.6	2	SAGINAW MBS INTLAP	5.0	6.2	2
CLINTON 0.5 NE	0.3	0.3	1	LIVONIA 2.0 NE	1.0	1.0	1	SALINE 3.8 SSW	0.5	0.7	2
DAVISON 5.2 N	1.5	1.7	2	LIVONIA 2.3 NNW	1.5	1.7	2	WHITE LAKE 0.5 E	0.2	0.2	1
DEARBORN HGHTS 2 NW	1.3	1.3	1	MANCHESTER	0.4	0.8	3	WHITE LAKE 4E	1.6	2.2	3
				MIDLAND 1.5 NNE	3.0	5.0	3	WYANDOTTE	2.0	2.5	3

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	3.3	2024	18.1	2021	2.5	1969
12	21.0	2018	2.4	1992	19.7	1965	3.5	1945	18.0	2016	2.6	1928
13	20.8	1986	2.4	1937	19.6	1988	3.6	1984	18.0	2005	3.1	1995
14	20.4	2022	2.5	1966	18.8	2020	3.6	1938	17.7	1924	3.2	1919
15	19.6	1898	2.6	1891	18.3	1946	3.8	1977	17.5	1950	3.4	1958
16	19.2	2003	2.7	1943	17.4	2015	4.1	1928	17.1	1956	3.5	1963
17	19.2	1988	2.8	1968	17.2	1960	4.5	1957	17.0	2014	3.7	1957
18	18.0	1893	2.8	1925	17.0	1924	4.8	1983	17.0	2012	3.7	1917
19	17.1	1994	2.9	2001	16.7	1973	4.9	1932	16.2	2015	3.8	1913
20	16.9	1985	3.1	1949	16.6	2013	5.0	2001	16.2	1962	4.0	1964

* Detroit Area snowfall records date back to January 1880.

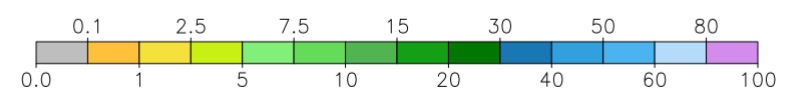
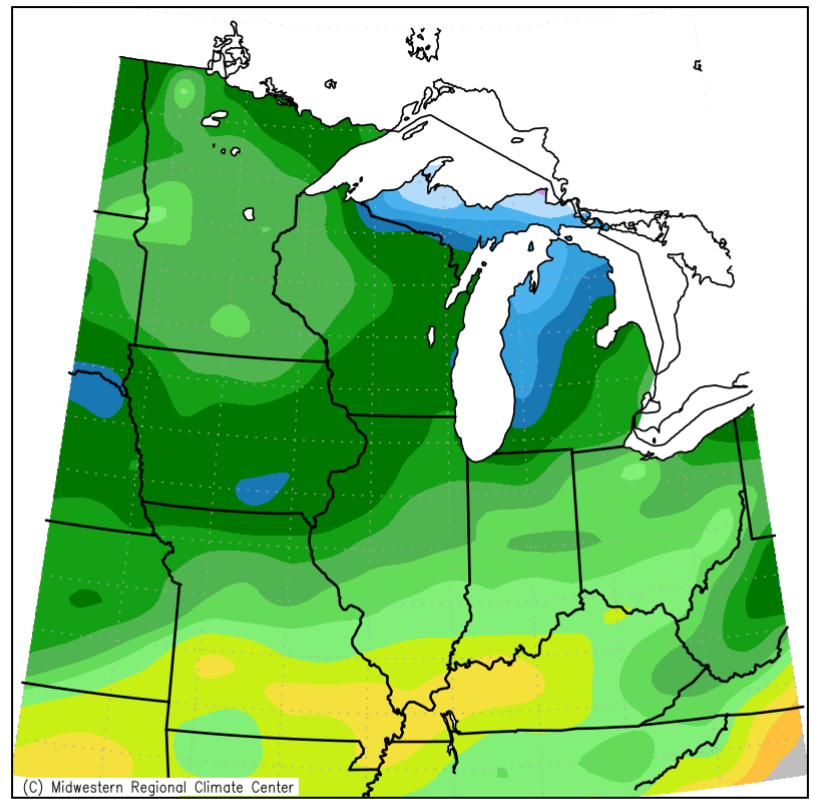
** Flint Bishop snowfall records date back to January 1921.

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

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

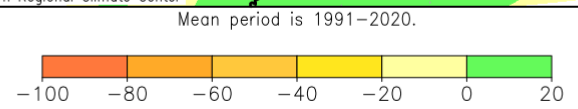
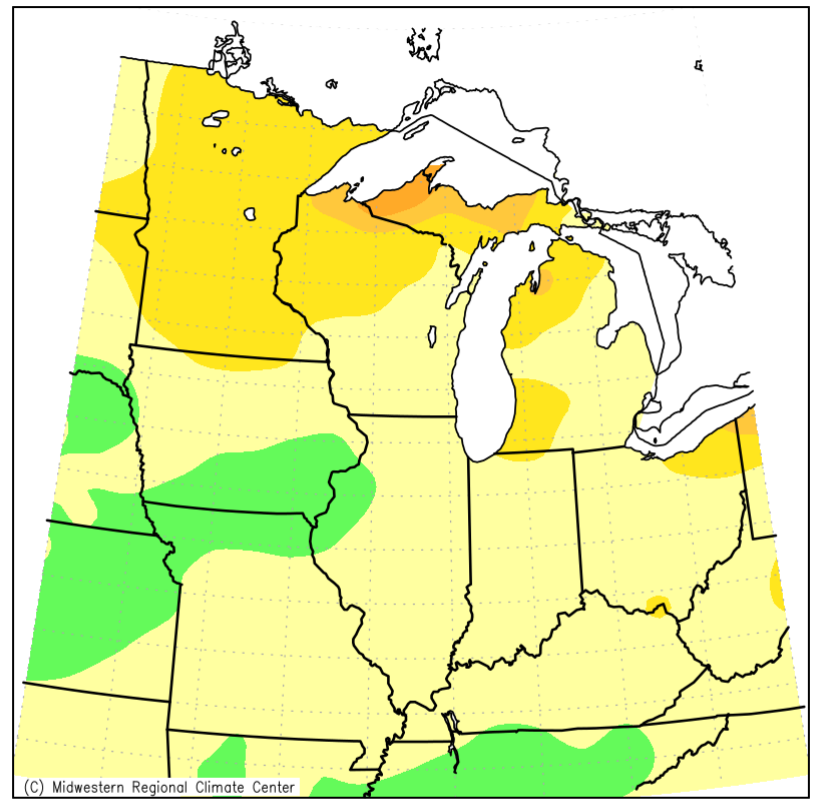
Total Snowfall (left) & Departure from Normal (right)

Accumulated Snowfall (in)
October 1, 2023 to February 29, 2024



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/2/2024 4:18:54 AM EST

Accumulated Snowfall (in): Departure from Mean
October 1, 2023 to February 29, 2024



Midwestern Regional Climate Center
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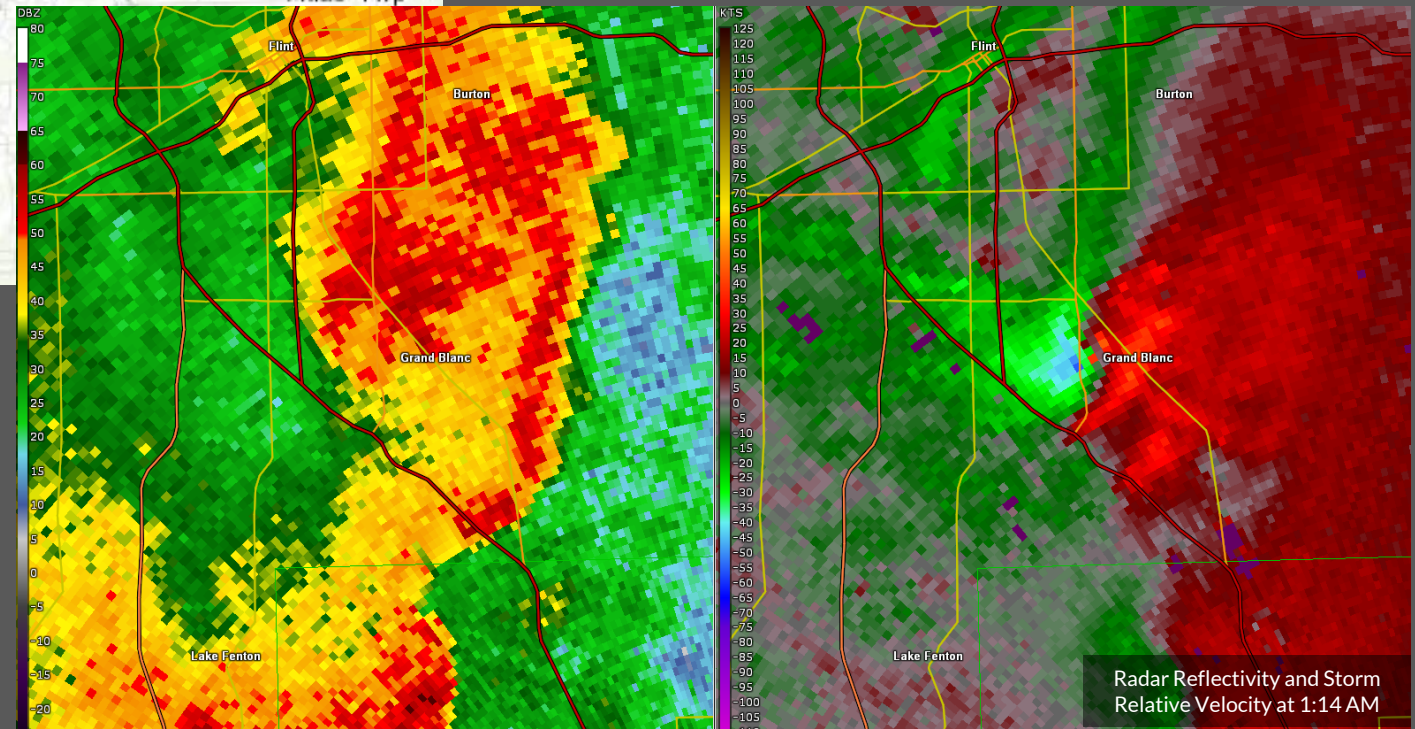
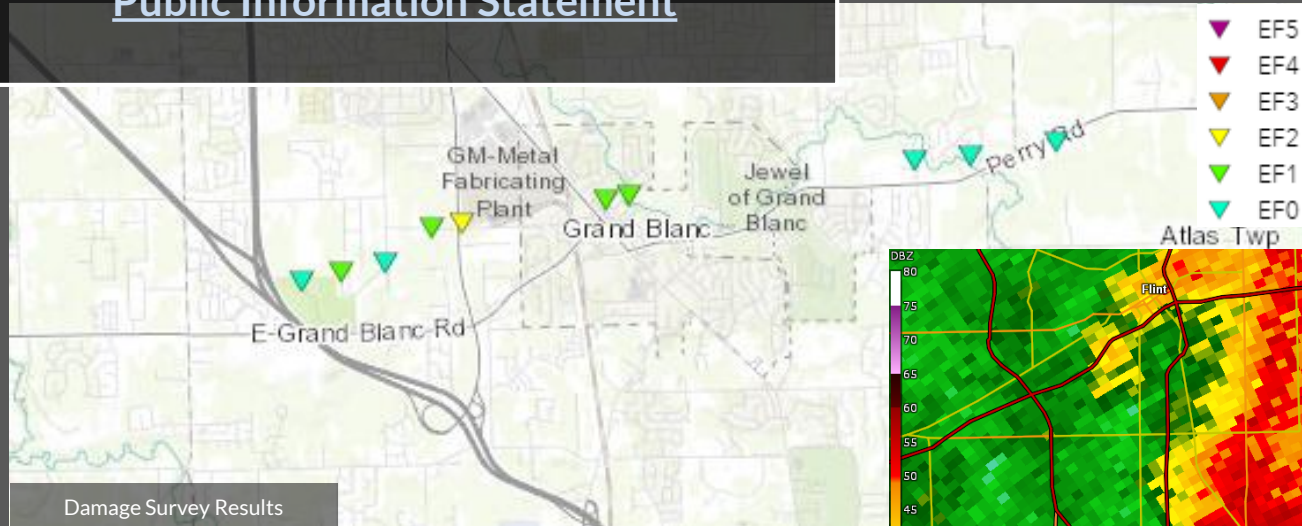
February 2024 – Significant Weather Events

Weather Forecast Office
Detroit, MI



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February 28 Grand Blanc Tornado Public Information Statement





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

NOWData - NOAA Online Weather Data

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View map

- ☑ 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

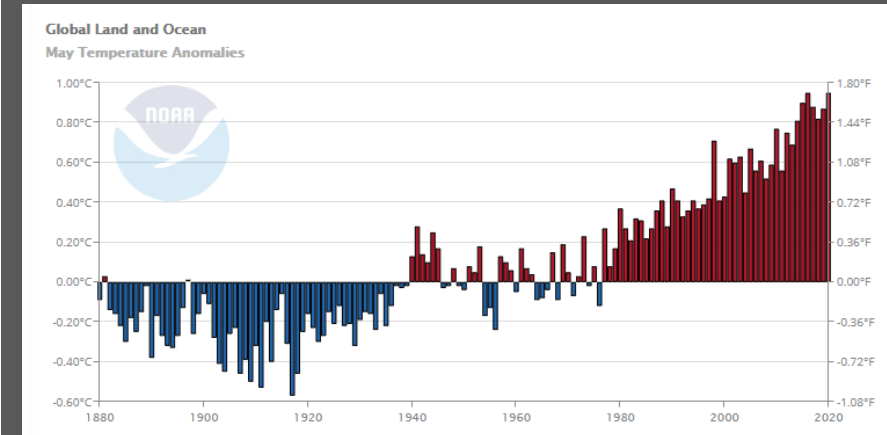
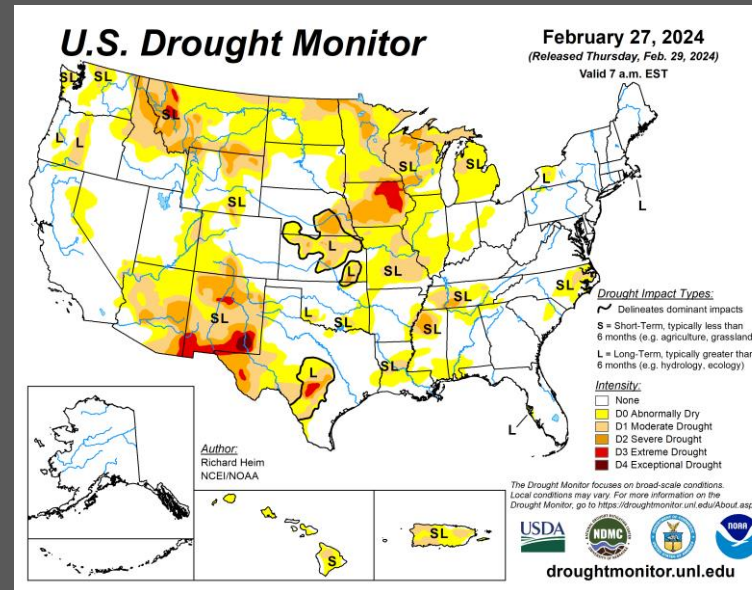
Date: 2021-08 Go

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 -

Powered by **CACIS**
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!