

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



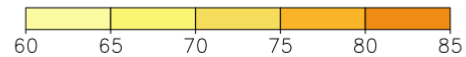
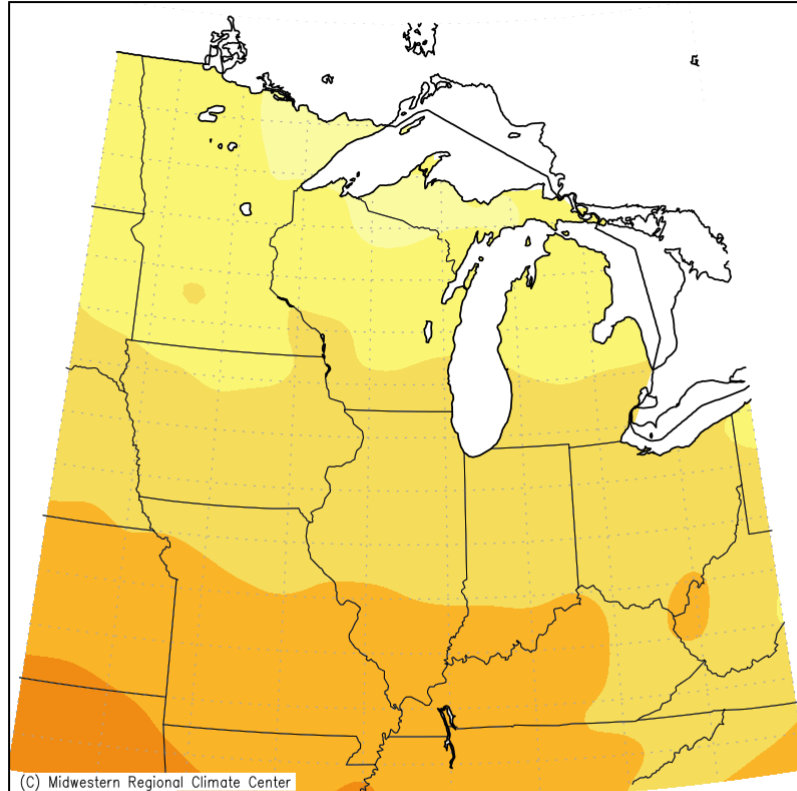
August 2024 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



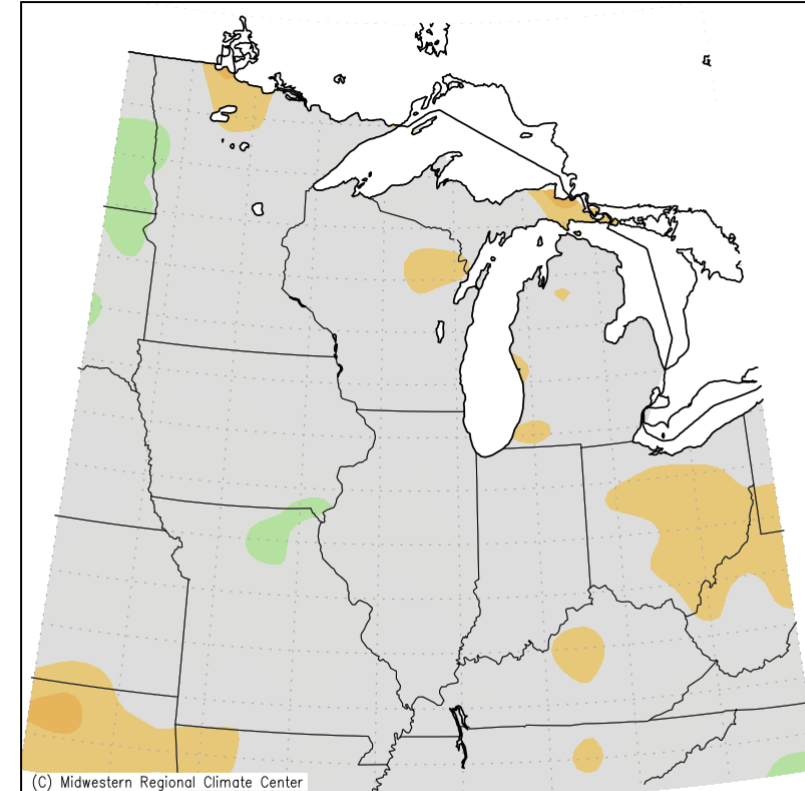
Average Temperature (left) & Departure from Average (right)

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

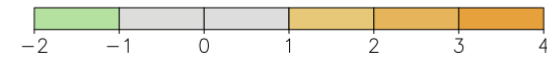


Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

August 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	95	45	82.3	59.9	71.1	FLINT FCWOS	93	48	80.7	59.6	70.2
ALGONAC WWTP	93	47	82.4	59.5	71.0	GOODRICH	90	47	78.8	59.6	69.2
ANN ARBOR MUNICIPAL AP	96	38	82.3	56.6	69.5	GROSSE POINTE FARMS	97	52	81.9	63.9	72.9
ANN ARBOR SE	94	45	81.3	59.0	70.1	HARBOR BEACH 1 SSE	91	50	76.2	60.2	68.2
ANN ARBOR U OF MICH	95	42	82.4	58.4	70.4	LAPEER 2W	92	47	80.5	59.1	69.8
BAD AXE	91	47	78.7	58.8	68.7	LAPEER WWTP	93	47	80.9	59.4	70.2
BURTON 4N	93	47	80.6	58.1	69.4	LEXINGTON WATER PLANT	91	50	78.0	60.8	69.4
CARO WWTP	93	48	81.3	58.0	69.8	LINDEN WWTP	90	47	78.7	59.1	68.8
CASS CITY 1 SSW	91	43	79.1	56.1	67.6	MORENCI	96	46	82.7	60.2	71.4
CHELSEA	94	45	81.2	60.5	70.8	OIL CITY 2S	90	44	78.3	55.8	67.0
DEARBORN	93	49	82.3	62.5	72.4	OWOSSO WWTP	92	47	80.1	58.9	69.5
DEARBORN NO. 2	93	52	83.0	65.0	74.0	PONTIAC INTL AP	93	50	80.1	61.4	70.8
DETROIT CITY AP	97	53	83.5	66.0	74.8	PONTIAC WWTP	93	51	81.6	61.9	71.8
DETROIT METRO AIRPORT	95	51	82.8	63.4	73.1	PORT AUSTIN WWTP	88	47	76.4	59.1	67.8
DETROIT WILLOW RUN AP	96	48	82.3	61.2	71.8	PORT HOPE	92	53	78.4	63.2	70.8
DUNDEE	96	47	82.9	61.2	72.1	RICHMOND 4 NNW	93	45	80.4	59.5	69.9
DURAND WWTP	92	47	80.5	58.7	69.6	SAGINAW #3	92	51	81.2	60.4	70.8
ECN DETROIT	96	52	81.9	64.0	73.0	SAGINAW MBS INTL AP	94	47	80.8	60.7	70.7
FARMINGTON	94	48	81.5	60.0	70.7	WHITE LAKE 4E	91	43	78.6	57.8	68.2
FILION 5NNW	90	50	78.5	60.4	69.4	WHITMORE LAKE 1NW	93	46	80.5	59.0	69.8
FLINT 7W	91	48	78.3	59.5	68.9						

August – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Augusts 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	65.9	1915	77.1	1995	64.7	1967	76.0	1947	64.0	1915	75.1	1937
2	66.6	1992	76.7	2016	65.0	1997	75.5	2016	64.6	1992	74.8	1947
3	66.6	1927	76.5	1947	65.2	1992	74.8	1938	65.0	1982	74.1	1959
4	66.8	1885	76.3	1959	65.2	1964	74.2	1995	65.0	1977	74.1	1955
5	66.8	1875	75.8	2018	65.3	1963	74.2	1936	65.0	1950	73.8	2021
6	67.0	1890	75.7	2021	65.5	1927	73.7	2010	65.3	1979	73.7	1995
7	67.0	1883	75.7	1955	65.6	2004	73.7	1955	65.4	1946	73.7	1969
8	67.3	1967	75.5	1900	65.9	1994	73.5	2021	65.5	1997	73.4	2016
9	67.3	1912	75.2	2010	66.0	1957	73.3	1983	65.6	2004	73.3	2010
10	67.4	1903	75.0	1988	66.3	1986	73.3	1959	65.6	1986	73.1	1936
11	67.7	1982	74.9	1938	66.3	1966	73.0	1939	65.7	1964	72.9	1938
12	67.8	1897	74.8	2005	66.4	1999	72.6	1937	65.8	1963	72.6	2018
13	67.9	1979	74.8	1918	66.4	1946	72.6	1988	66.0	1951	72.5	1932
14	68.0	1907	74.6	1916	66.5	1924	72.6	1935	66.0	1912	72.4	1931
15	68.0	1902	74.5	1906	66.6	1982	72.2	1944	66.3	1999	72.3	1998
16	68.1	1997	74.4	2022	66.6	1951	71.9	2018	66.3	1923	72.3	1918
17	68.1	1904	74.4	1993	66.8	1979	71.9	1931	66.4	1924	72.1	1930
18	68.3	1946	74.3	1944	66.8	1950	71.8	1984	66.5	1972	72.0	1973
19	68.5	2004	74.2	1953	66.9	2017	71.7	1933	66.5	1927	71.9	1988
20	68.5	1887	74.2	1881	67.2	1985	71.6	1926	66.8	1994	71.9	2020

* Detroit Area temperature records date back to January 1874.

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

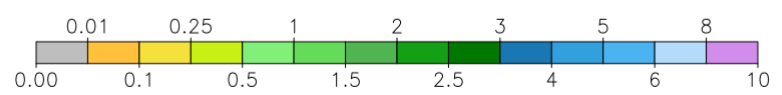
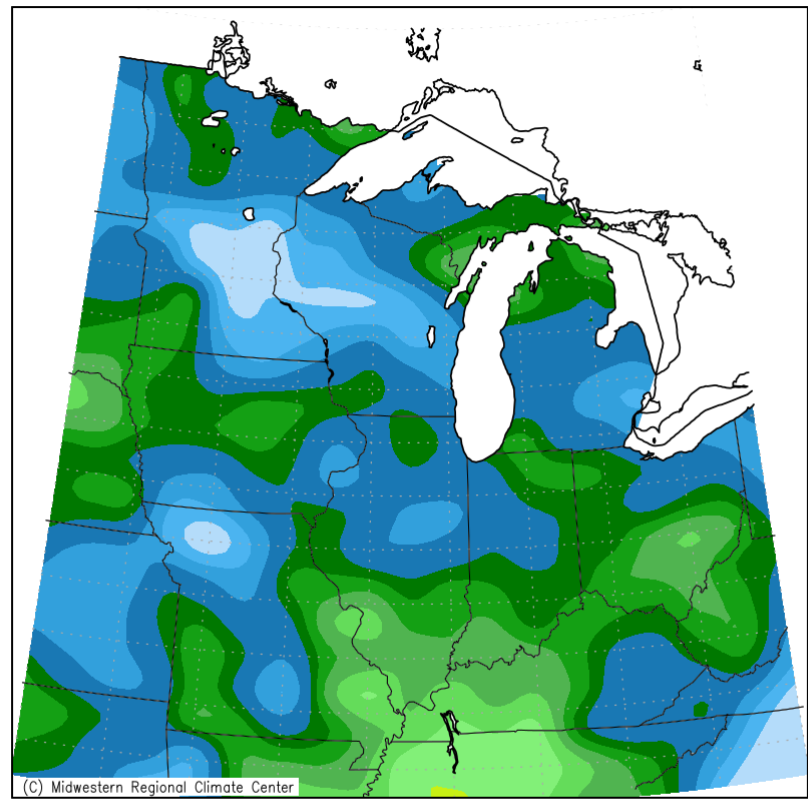
*** Saginaw Area temperature records date back to January 1912.

August 2024 – Regional Precipitation Summary



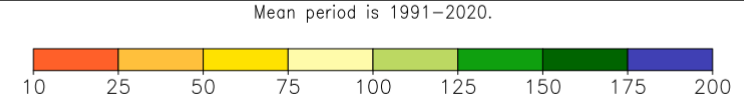
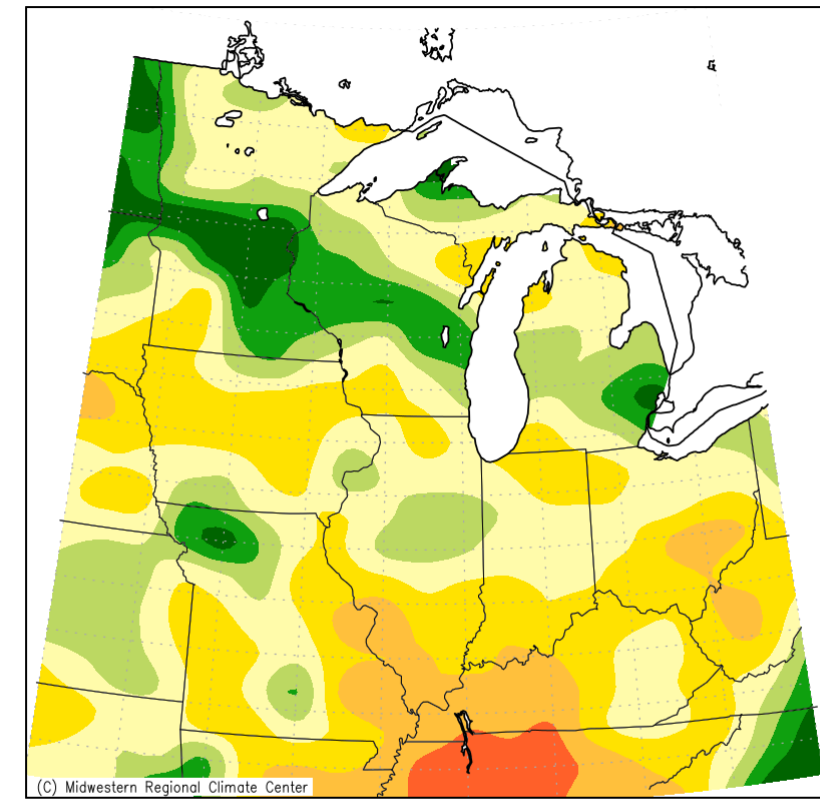
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

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



Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.
Midwestern Regional Climate Center
Purdue University

August 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	Location	Highest Daily Total	Monthly Total	# of Days with Precip
ANN ARBOR 3.8 WNW	2.54	4.44	11	DURAND 6.2 WNW	1.23	5.34	14	MILFORD 4.3 ESE	1.53	4.72	10
ANN ARBOR 4.3 WSW	2.85	4.59	12	DURAND WWTP	0.98	4.98	16	MILLINGTON 3 SE	1.24	5.10	9
ANN ARBOR 7.1 W	2.17	3.84	11	EASTPOINTE 1.2 SSW	1.24	5.14	13	MONROE 3.0 S	1.67	4.51	11
ANN ARBOR MNCPL AP	1.16	3.03	11	ECN DETROIT	1.02	5.50	13	MORENCI	0.74	2.51	12
ANN ARBOR SE	3.08	6.68	13	FARMINGTON	1.85	6.19	10	OIL CITY 2S	0.86	2.95	9
ANN ARBOR U OF MICH	2.49	6.21	12	FENTON 2.7 SSE	0.91	4.40	12	ORTONVILLE 2.3 S	1.08	3.43	13
BAD AXE	1.60	4.61	8	FENTON 5.6 WSW	1.11	3.77	11	OTTAWA LAKE 1.4 SSW	0.68	2.61	10
BAY PORT 3.2 SSW	1.09	2.80	9	FENTON 6.2 WSW	1.07	3.06	14	OWOSSO 1.0 NW	1.16	4.22	11
BERKLEY 0.6 N	2.16	6.02	10	FILION 5NNW	1.28	4.01	10	OWOSSO WWTP	1.26	4.95	13
BURTON 4N	1.72	5.27	12	FLINT 7W	1.39	5.76	15	PLYMOUTH 5.4 W	2.48	5.73	12
CARO WWTP	1.10	4.20	12	FLINT FCWOS	1.23	3.99	10	PONTIAC INTL AP	1.57	5.01	10
CASS CITY 1 SSW	1.11	2.94	6	GOODRICH	1.34	4.23	11	PONTIAC WWTP	1.55	7.35	16
CHELSEA	1.41	3.89	10	GROSSE POINTE FARMS	1.32	6.76	13	RICHMOND 4 NNW	1.39	5.41	11
CHELSEA 2.4 S	0.97	2.31	9	HARBOR BEACH 1 SSE	1.58	3.72	8	ROSEVILLE 1.7 ENE	1.27	5.93	12
CHELSEA 3.7 NNE	1.21	4.21	12	HOLLY 6.6 NE	1.05	3.37	14	SAGINAW 6.4 W	0.73	2.82	10
CLARKSTON 1.4 NE	1.73	6.81	13	HOWELL 3.7 WSW	1.93	5.53	11	SAGINAW #3	1.05	2.94	13
DAVISBURG 1.3 ESE	1.65	5.77	13	LAPEER 2W	1.31	4.20	12	SAGINAW MBS INTL AP	1.30	2.58	7
DAVISON 3.4 NNW	1.38	5.84	14	LAPEER 4.4 SSE	1.19	2.81	12	SALINE 3.8 SSW	2.20	4.68	9
DAVISON 5.2 N	0.84	3.35	11	LAPEER WWTP	1.43	3.77	12	SHELBY 0.4 SSE	1.61	5.03	11
DEARBORN HGHTS 1.8 NW	1.20	3.95	14	LEXINGTON WATER PLANT	0.95	2.15	9	SHELBY 2.6 SW	1.35	4.37	12
DETROIT CITY AP	1.30	3.68	8	LINDEN 6.5 SW	0.90	2.88	12	SOUTHFIELD 2.8 NNE	1.50	5.11	10
DETROIT METRO AIRPORT	1.52	4.50	10	LINDEN WWTP	1.15	4.08	12	ST CHARLES 5.0 W	0.93	2.89	10
DETROIT WILLOW RUN AP	2.16	4.59	9	MANCHESTER	1.38	3.51	8	WATERFORD 1.1 NE	1.24	5.20	13
DEXTER 0.3 ENE	1.40	4.36	12	MIDLAND 1.5 NNE	1.19	2.11	11	WHITE LAKE 4E	1.44	4.70	11
DEXTER 2.2 SE	1.86	4.61	13	MIDLAND 4.4 SW	1.19	3.04	10	WYANDOTTE	1.52	6.23	13
DUNDEE	0.80	2.87	8								

August – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Augusts 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	8.33	1926	0.16	1894	11.18	1937	0.32	2010	9.43	2012	0.27	1927
2	7.83	1975	0.19	1889	11.04	1975	0.41	1927	9.04	1995	0.63	1969
3	7.51	1940	0.27	2008	8.68	1956	0.45	1969	9.01	1975	0.68	1957
4	7.29	1877	0.43	1996	7.69	2018	0.54	1930	8.02	2018	0.68	1930
5	7.07	1959	0.52	1929	6.93	1961	0.65	1929	7.15	1914	0.81	1954
6	6.87	1987	0.59	2010	5.86	1921	0.68	1996	6.73	2007	0.93	1982
7	6.61	2007	0.60	1902	5.70	2023	0.81	1976	6.72	1987	1.00	2003
8	6.53	1956	0.62	1907	5.56	1989	0.93	2005	6.25	1940	1.00	1929
9	6.50	2023	0.62	1899	5.47	2009	1.08	1931	6.18	2023	1.04	1935
10	6.32	2014	0.72	1982	5.35	1968	1.19	1957	5.95	1913	1.13	1933
11	6.09	1980	0.84	1931	5.29	1986	1.26	1948	5.88	2016	1.15	1984
12	6.04	1875	0.90	1930	5.28	1942	1.38	1962	5.66	1955	1.25	1916
13	5.99	2020	0.90	1883	5.26	1959	1.51	2002	5.51	1938	1.29	1996
14	5.98	2013	1.06	1969	5.15	2021	1.54	2001	5.50	2015	1.30	1971
15	5.87	1964	1.06	1927	5.09	2007	1.62	1971	5.46	1981	1.37	2005
16	5.62	2016	1.07	1936	5.03	1987	1.64	1938	5.34	1926	1.37	1980
17	5.51	1880	1.11	1910	4.94	1926	1.65	1936	5.28	1915	1.41	1948
18	5.27	1888	1.12	1943	4.90	2016	1.76	1973	5.19	1977	1.43	1934
19	5.17	2021	1.20	2018	4.83	1995	1.76	1928	5.18	1972	1.46	1970
20	5.12	1961	1.29	1918	4.57	1972	1.81	1923	5.05	1956	1.51	1998

* 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.

August 2024 – Significant Weather Events



Follow links for web summaries

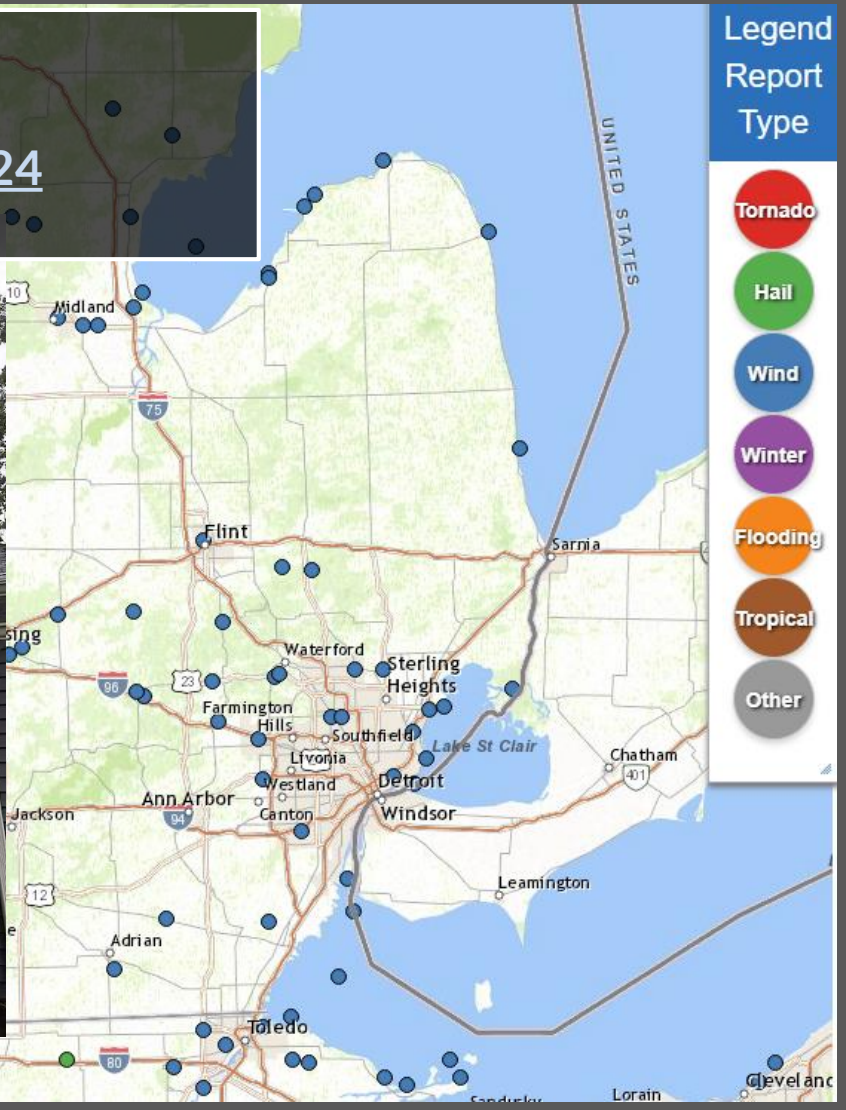
August 27 Severe Storms weather.gov/dtx/severeweather08272024



Sebewaing
Credit: Phill Wilson



Burton
Credit: Christopher Vogt





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

- ☑ 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

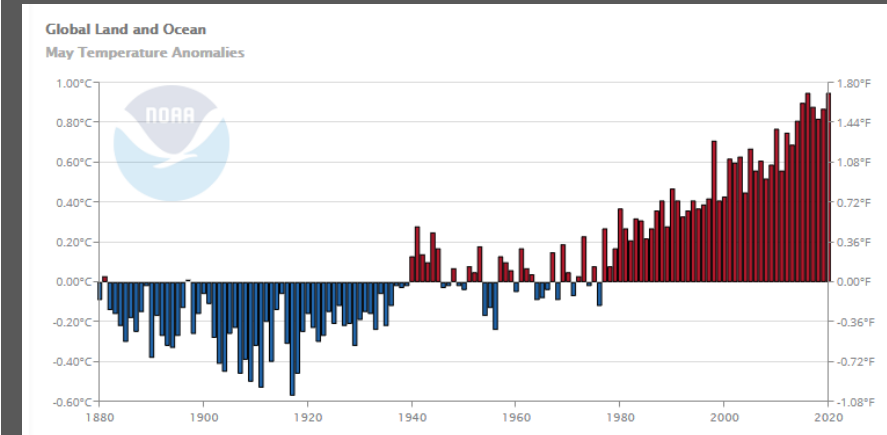
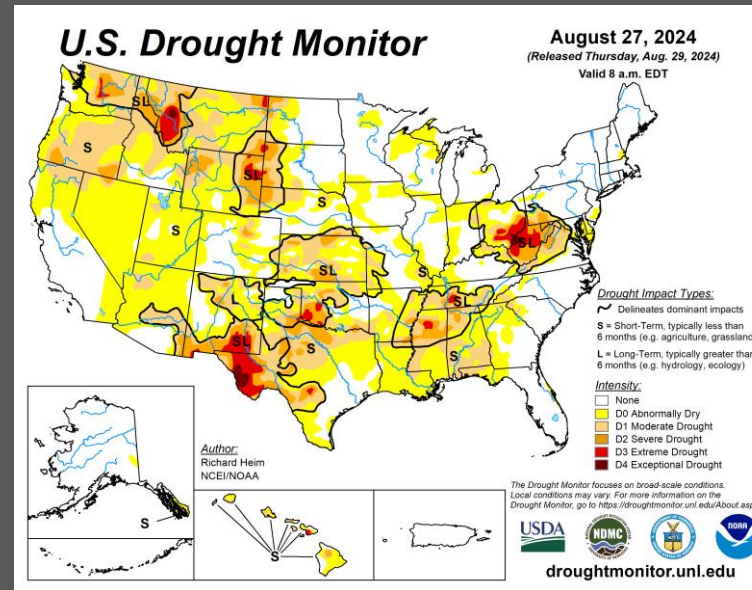
Date: 2021-08

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 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/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!