

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



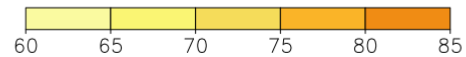
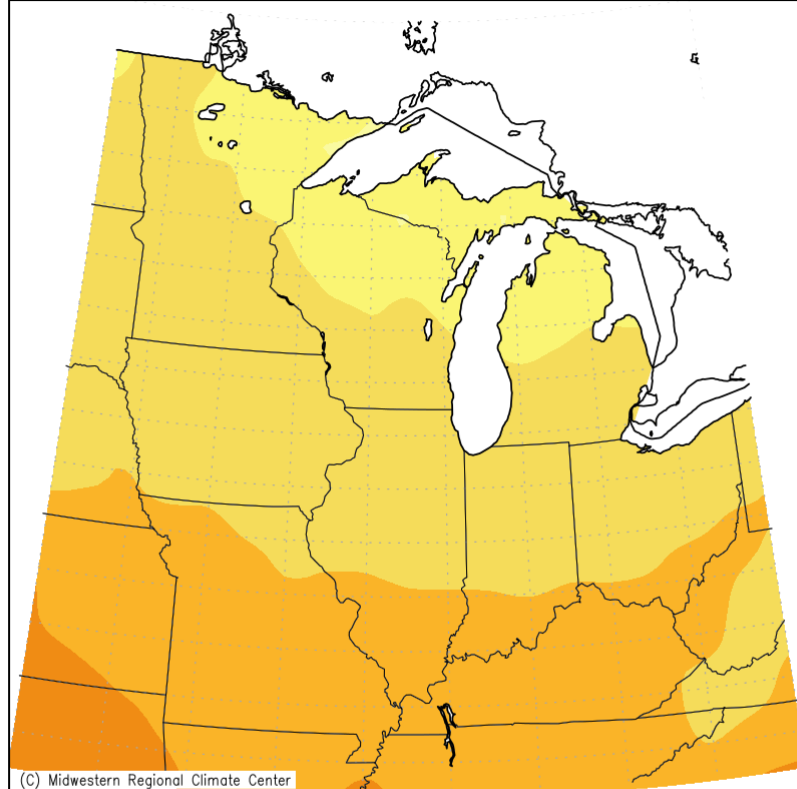
July 2024 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



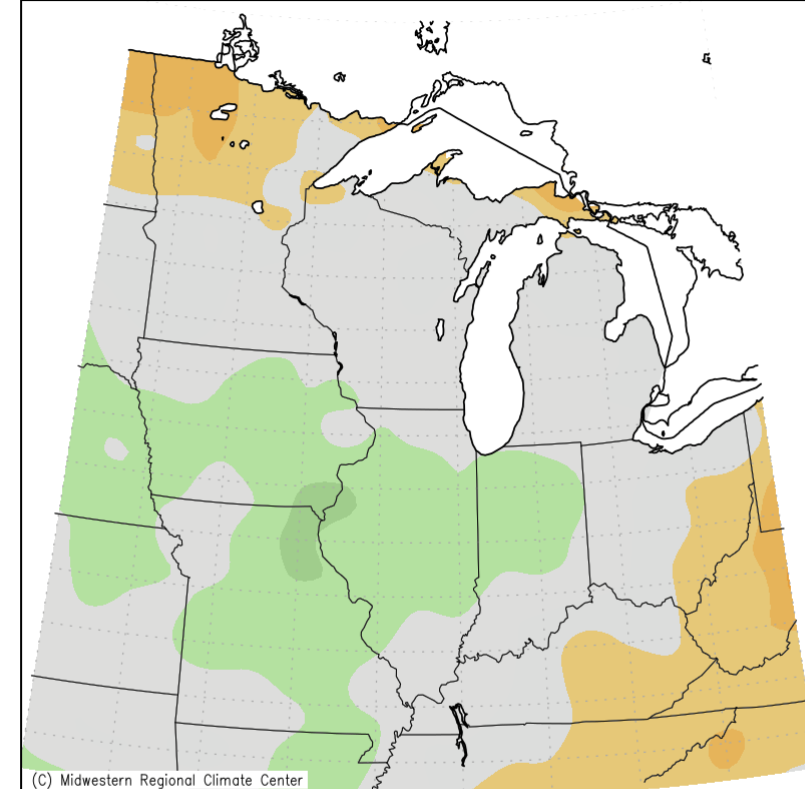
Average Temperature (left) & Departure from Average (right)

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

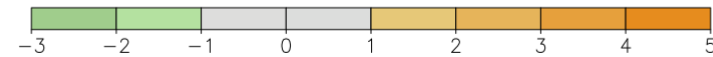


Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

July 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	90	50	82.5	60.7	71.6	FILION 5NNW	86	49	79.4	61.7	70.6
ADRIAN LENAWEE CO AP	91	50	83.1	62.5	72.8	FLINT 7W	86	47	79.1	60.4	69.7
ALGONAC WWTP	90	49	83.2	60.7	72.0	FLINT FCWOS	89	45	82.6	60.9	71.8
ANN ARBOR MNCPL AP	90	42	81.9	58.0	69.9	GOODRICH	87	47	79.5	60.8	70.2
ANN ARBOR SE	88	46	81.2	59.6	70.4	GROSSE POINTE FARMS	93	52	82.7	65.0	73.8
ANN ARBOR U OF MICH	90	44	82.9	59.1	71.0	LAPEER 2W	90	47	81.5	60.7	71.1
BAD AXE	87	48	79.8	60.3	70.0	LAPEER WWTP	88	47	81.4	60.8	71.1
BURTON 4N	88	46	81.1	59.6	70.3	LEXINGTON WATER PLANT	86	49	78.0	59.0	68.5
CARO WWTP	88	46	81.1	59.7	70.4	MORENCI	91	51	82.9	61.6	72.3
CASS CITY 1 SSW	87	45	79.3	58.0	68.7	OWOSSO WWTP	87	47	80.5	60.0	70.3
CHELSEA	89	48	81.4	60.9	71.1	PONTIAC INTL AP	89	49	81.4	63.2	72.3
DEARBORN	89	51	81.3	62.9	72.1	PONTIAC WWTP	89	50	81.5	63.4	72.4
DEARBORN NO. 2	90	55	83.1	66.1	74.6	PORT HOPE	86	55	78.3	63.5	70.9
DETROIT CITY AP	91	55	84.5	67.5	76.0	RICHMOND 4 NNW	89	49	82.1	61.6	71.9
DETROIT METRO AIRPORT	91	53	82.7	64.9	73.8	SAGINAW #3	89	50	82.3	61.6	72.0
DETROIT WILLOW RUN AP	91	49	82.9	62.8	72.9	SAGINAW MBS INTL AP	90	47	82.5	62.6	72.5
DUNDEE	91	51	82.5	62.2	72.3	SALINE 4SW	91	48	84.6	59.8	72.4
DURAND WWTP	87	47	80.7	59.9	70.3	WHITE LAKE 4E	88	44	81.3	58.9	70.1
FARMINGTON	93	48	81.8	60.6	71.2	WHITMORE LAKE 1NW	88	49	80.1	60.7	70.4

July – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Julys 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	67.1	1891	79.3	2011	65.6	2009	78.0	1921	66.0	2009	77.5	1921
2	68.8	1992	79.0	2012	66.9	1992	77.7	1935	66.2	1992	76.8	1916
3	68.9	2009	79.0	1955	67.3	1967	76.8	2011	67.1	1924	76.4	2012
4	68.9	1967	79.0	1921	67.3	1962	76.7	1934	67.2	1920	76.2	1935
5	69.6	1971	77.9	1916	67.4	1971	76.5	1955	67.3	1945	76.1	2011
6	69.6	1875	77.7	1931	67.4	1960	76.1	2012	67.5	1962	76.0	1931
7	69.7	1920	77.5	2020	67.5	2000	76.1	1931	67.5	1956	75.9	2020
8	69.9	2014	77.1	1988	67.6	1996	76.0	2016	67.8	1950	75.9	1955
9	69.9	1924	76.8	2016	68.3	2014	75.9	1936	67.9	2000	75.9	1936
10	69.9	1884	76.8	2019	68.3	1950	75.8	1933	68.2	1965	75.8	1988
11	70.2	2000	76.8	1999	68.4	2004	75.5	1987	68.4	2014	75.5	1934
12	70.3	1882	76.8	1901	68.4	1965	75.2	1988	68.4	1985	75.3	1933
13	70.4	1979	76.6	2010	68.6	1956	75.0	2019	68.5	2004	74.4	2019
14	70.4	1965	76.5	2002	68.6	1968	74.9	2002	68.6	1981	74.3	2010
15	70.4	1915	76.5	1952	68.6	1945	74.7	2020	68.6	1925	74.2	1930
16	70.4	1895	76.2	1949	69.0	1969	74.5	1949	68.7	1947	74.1	1983
17	70.6	1996	76.2	1935	69.1	1947	74.5	1939	68.8	1979	74.1	1937
18	70.6	1978	76.1	2006	69.2	1924	74.2	2010	68.8	1915	73.9	1987
19	70.7	1984	76.0	1987	69.4	1997	74.0	1983	69.1	1978	73.5	2006
20	70.7	1945	75.9	2018	69.4	1954	73.8	1977	69.1	1951	73.5	2002

* 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.

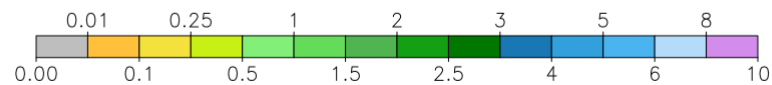
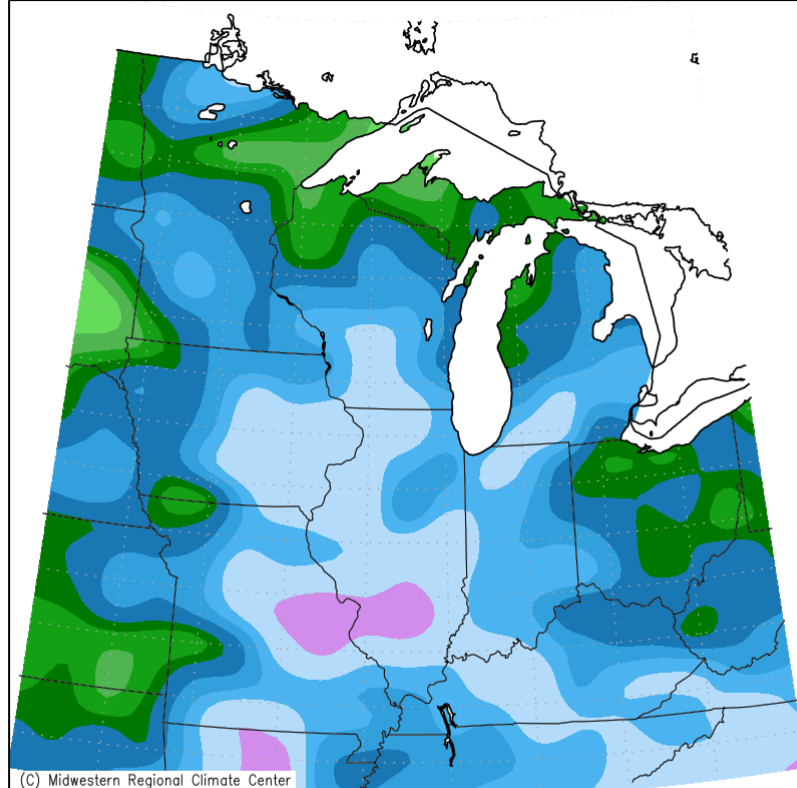
July 2024 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



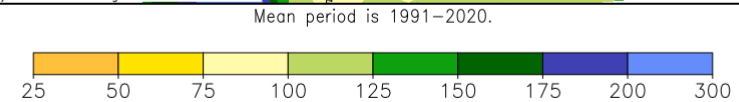
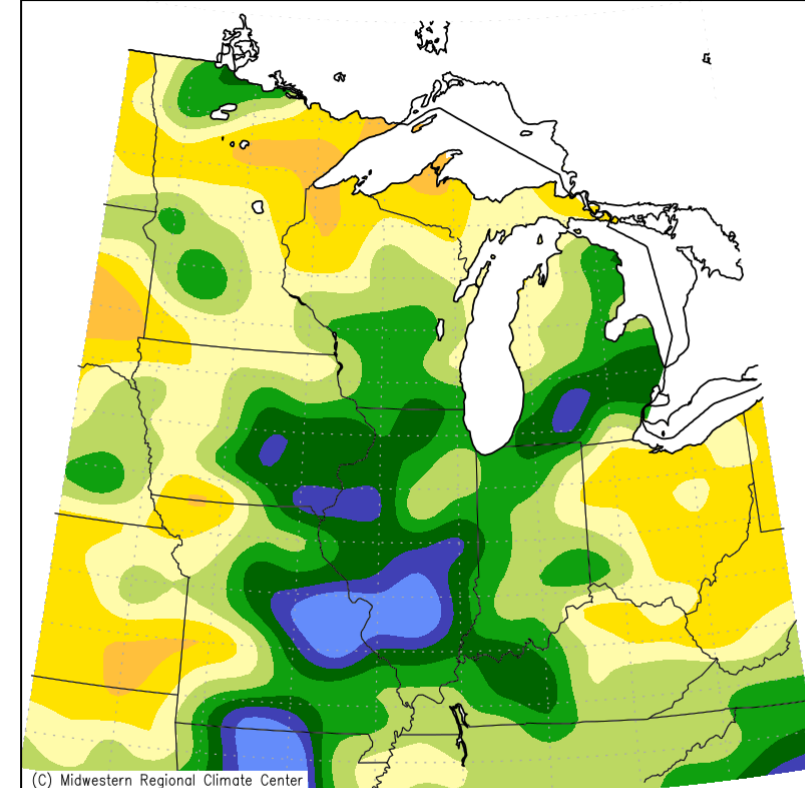
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

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



Midwestern Regional Climate Center
Purdue University

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



Midwestern Regional Climate Center
Purdue University

July 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
ADRIAN LENAWEE CO AP	1.48	2.35	10	DETROIT WILLOW RUN AP	2.24	3.82	7	ORTONVILLE 2.3 S	1.97	7.08	12
ALGONAC WWTP	1.34	4.65	11	DEXTER 2.2 SE	2.38	6.39	12	OTTAWA LAKE 1.4 SSW	1.67	3.38	8
ANN ARBOR 4.3 WSW	1.72	4.22	9	DUNDEE	1.62	2.39	10	OWOSSO WWTP	2.35	6.41	14
ANN ARBOR 4.5 W	1.86	5.48	11	DURAND WWTP	2.28	5.64	13	PONTIAC INTL AP	1.72	5.12	11
ANN ARBOR 6.4 NNE	1.75	5.29	12	EASTPOINTE 1.2 SSW	2.30	6.00	11	PORT HOPE	0.91	2.53	8
ANN ARBOR MNCPL AP	2.26	4.00	11	FARMINGTON	1.40	5.97	12	PORT HURON 2.8 WSW	2.50	5.28	7
ANN ARBOR SE	1.44	4.17	13	FENTON 2.7 SSE	2.15	8.04	14	RICHMOND 4 NNW	1.35	3.63	8
ANN ARBOR U OF MICH	3.10	4.68	12	FENTON 5.6 WSW	2.10	8.15	12	SAGINAW 6.4 W	0.87	2.71	12
BAD AXE	0.56	2.65	15	FILION 5NNW	2.45	5.80	14	SAGINAW #3	0.84	3.67	11
BLOOMFIELD TWP 3.1 SW	1.81	6.61	9	FLINT 7W	2.30	5.98	12	SAGINAW MBS INTL AP	0.68	3.21	14
BURTON 4N	5.49	10.09	13	FLINT FCWOS	3.27	6.83	12	SALINE 4SW	1.62	3.08	11
CANTON 3.7 WNW	1.44	5.93	13	GOODRICH	1.66	6.97	11	SHELBY 0.4 SSE	2.04	5.81	10
CARLETON 2.5 S	1.40	2.46	6	GROSSE POINTE FARMS	2.07	5.35	9	SHELBY 2.6 SW	1.50	5.52	13
CARO WWTP	1.56	4.90	10	HOLLY 6.6 NE	1.82	6.57	13	ST CHARLES 5.0 W	0.76	2.27	12
CASS CITY 1 SSW	1.44	4.19	11	HOWELL 3.7 WSW	2.27	6.88	10	WATERFORD 2.1 NW	1.20	5.12	12
CHELSEA	3.08	6.87	10	HOWELL 4.9 ESE	2.42	7.27	10	WHITE LAKE 4E	2.53	8.10	11
CHELSEA 3.7 NNE	1.94	5.60	10	LAPEER 2W	2.24	7.56	14	WHITMORE LAKE 1NW	4.00	13.12	12
CHESANING	1.17	3.81	12	LAPEER WWTP	3.67	8.26	12	WYANDOTTE	1.94	5.40	10
CHESTERFIELD 2.4 E	1.63	4.83	13	LINDEN 6.5 SW	2.00	6.99	10	SHELBY 0.4 SSE	2.21	6.39	12
CLARKSTON 1.4 NE	2.47	8.53	14	LINDEN WWTP	1.98	7.68	11	SHELBY 2.6 SW	1.86	5.99	19
CLAWSON 0.5 S	1.69	6.21	13	LIVONIA 2.3 NNW	1.29	4.35	12	SOUTH LYON 2.6 SW	3.65	7.09	11
DAVISBURG 1.3 ESE	2.85	10.49	13	MANCHESTER	1.62	3.35	6	ST CHARLES 5.0 W	1.79	6.33	13
DAVISON 5.2 N	1.80	5.01	9	MIDLAND 1.5 NNE	1.42	4.25	14	STERLING HEIGHTS 2.2 NNE	2.01	6.53	11
DEARBORN	1.59	5.28	14	MIDLAND 4.4 SW	0.78	3.87	13	WATERFORD 2.1 NW	2.20	7.28	12
DEARBORN HGHTS 1.8 NW	1.24	3.45	12	MONROE 3.0 S	1.33	1.94	5	WHITE LAKE 0.5 E	2.58	10.12	11
DETROIT CITY AP	2.88	5.98	10	NEW BALTIMORE 0.4 SSE	1.69	4.88	11	WHITE LAKE 4E	3.85	8.90	11
DETROIT METRO AIRPORT	1.22	2.08	10	ORCHARD LAKE VLG 1 WSW	1.85	6.29	12	WYANDOTTE	1.64	5.05	12

July – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Julys 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	8.76	1878	0.50	1930	9.35	1992	0.16	1939	6.90	2023	0.38	1930
2	7.66	2011	0.59	1974	8.55	2000	0.39	1930	6.83	1950	0.44	1939
3	7.55	1902	0.74	1918	7.92	1957	0.67	1931	6.42	1912	0.45	1989
4	7.03	1937	0.78	1924	7.73	1932	0.73	1978	6.38	1952	0.65	1968
5	6.99	1915	0.79	1911	6.83	2024	0.83	1944	5.63	1928	0.74	1948
6	6.94	1925	0.81	1936	6.43	2011	0.87	1954	5.33	1964	0.78	1987
7	6.22	1879	0.95	1984	6.03	1945	0.88	1946	5.31	1980	0.82	1916
8	6.02	1969	0.99	1916	5.92	1969	1.05	1933	5.19	1924	0.92	1984
9	6.01	1943	1.10	1955	5.76	2014	1.08	1934	5.09	1996	0.93	1978
10	5.98	1957	1.10	1946	5.61	1980	1.11	1940	4.83	1957	0.98	1941
11	5.96	2010	1.16	2001	5.55	1959	1.13	1998	4.75	1913	1.01	1965
12	5.94	1909	1.17	1940	5.43	2005	1.19	1960	4.70	1999	1.08	2013
13	5.94	1876	1.20	1956	5.13	1950	1.37	2018	4.47	1947	1.10	1921
14	5.91	1992	1.20	1944	5.03	2023	1.38	1963	4.45	2012	1.11	1954
15	5.74	1880	1.23	1991	4.77	1923	1.43	1943	4.43	1994	1.11	1935
16	5.72	1998	1.24	1926	4.56	1947	1.47	1926	4.34	2021	1.13	1933
17	5.50	1901	1.27	1959	4.55	1922	1.51	1966	4.25	1992	1.14	2004
18	5.40	2000	1.31	1887	4.53	1952	1.53	1955	4.25	1923	1.22	1918
19	5.39	1896	1.44	1960	4.44	1937	1.57	1929	4.19	1997	1.23	1931
20	5.38	2005	1.47	1990	4.29	2021	1.60	2022	4.19	1991	1.23	1929

* 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.

July 2024 – Significant Weather Events

Weather Forecast Office
Detroit, MI



Follow links for web summaries

July 9-10 Heavy Rain and Flooding from the Remnants of Hurricane Beryl weather.gov/dtx/flooding071024



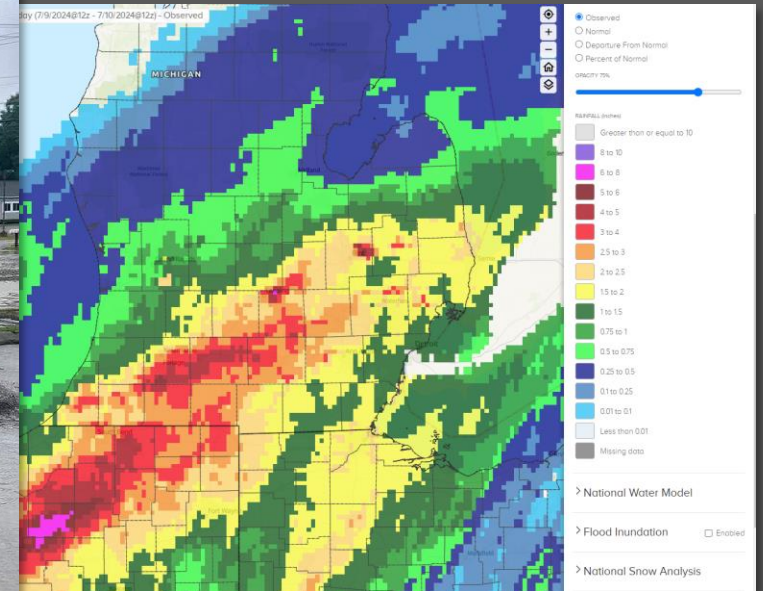
Davison Township
Credit: WNEM-TV



Davison Township
Credit: WNEM-TV



Oakland Township
Credit: Aria





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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

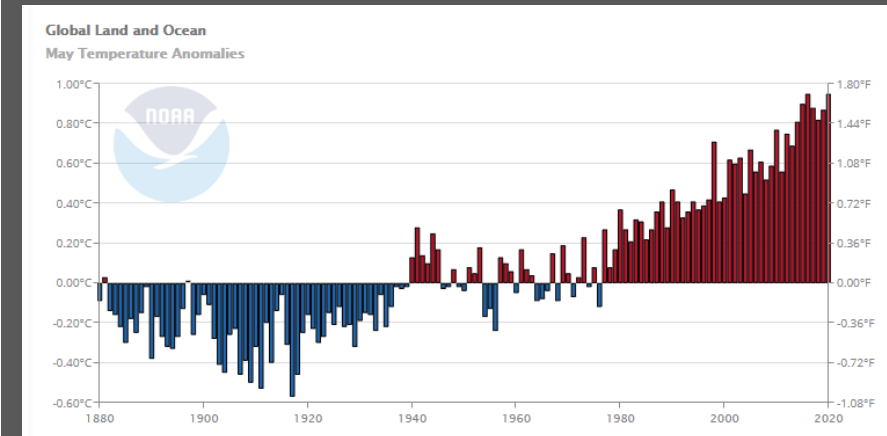
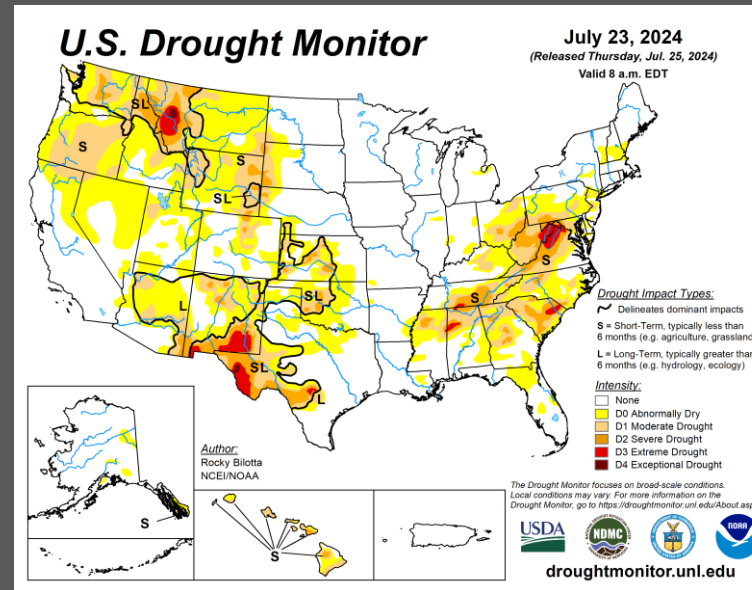
Product Description:

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!