

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Severe Weather Summaries



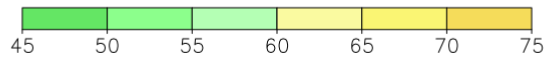
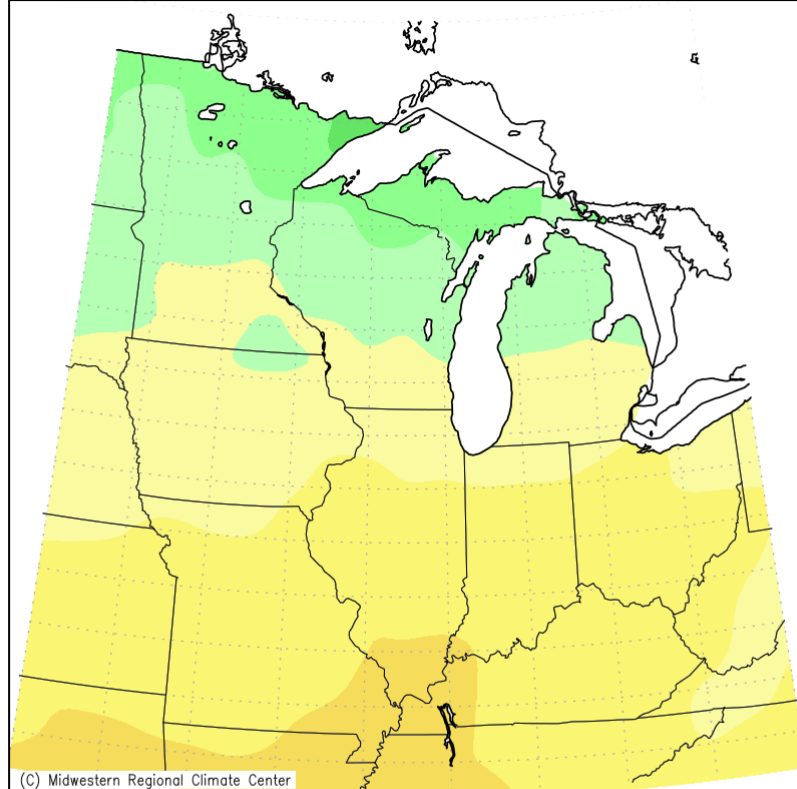
May 2024 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



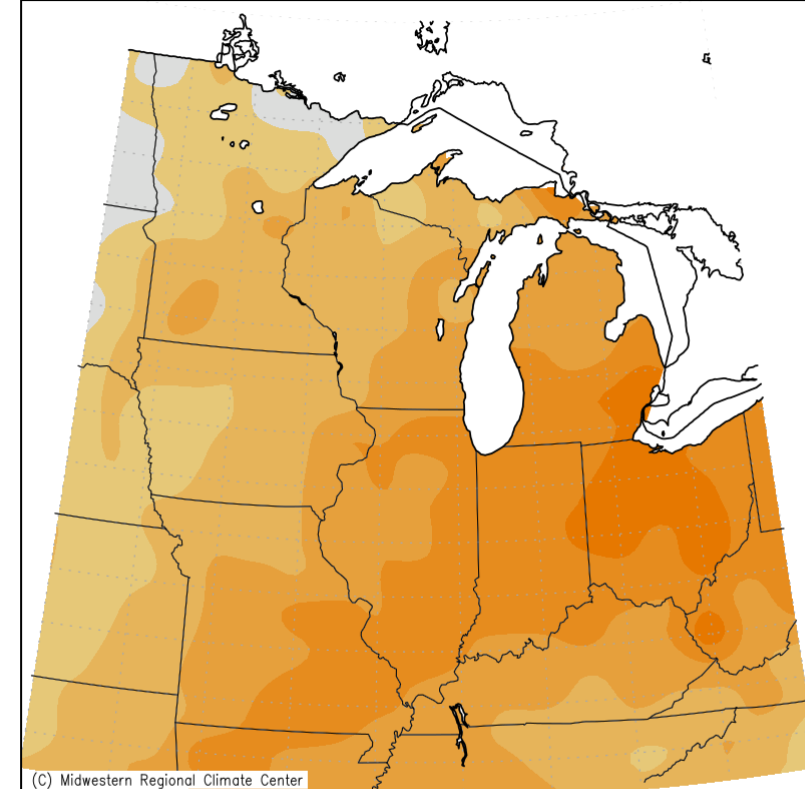
Average Temperature (left) & Departure from Average (right)

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



Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

May 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	88	43	75.0	52.4	63.7	GROSSE POINTE FARMS	92	43	73.4	53.2	63.3
ADRIAN LENAWEE CO AP	89	43	75.6	54.9	65.2	HARBOR BEACH 1 SSE	85	37	64.9	46.8	55.9
ALGONAC WWTP	91	39	75.8	49.8	62.8	LAPEER 2W	88	36	74.1	49.7	61.9
ANN ARBOR MUNICIPAL AP	88	36	74.4	49.4	61.9	LAPEER WWTP	88	38	74.7	49.6	62.3
ANN ARBOR SE	89	41	75.1	49.7	62.4	LEXINGTON WATER PLANT	87	37	67.4	47.9	57.7
ANN ARBOR U OF MICH	89	38	76.2	49.8	63.0	MANCHESTER	89	41	74.8	50.5	62.5
BAD AXE	83	37	70.1	47.5	58.8	MIDLAND	81	37	68.3	48.7	58.5
BURTON 4N	89	37	74.5	47.4	61.0	MORENCI	89	42	75.0	52.3	63.7
CARO WWTP	89	36	73.5	48.0	60.8	OIL CITY 2S	86	35	72.5	45.8	59.2
CASS CITY 1 SSW	86	37	72.3	46.8	59.5	OWOSSO WWTP	87	39	73.3	49.1	61.2
CHELSEA	88	41	74.7	52.0	63.4	PONTIAC INTL AP	87	42	74.0	51.9	63.0
DEARBORN	89	41	75.0	53.3	64.2	PONTIAC WWTP	88	42	75.3	52.9	64.1
DETROIT CITY AP	89	44	76.3	56.1	66.2	PORT HOPE	84	38	65.4	49.1	57.2
DETROIT METRO AIRPORT	89	44	75.1	54.4	64.7	PORT HURON	86	45	70.5	51.9	61.2
DETROIT WILLOW RUN AP	91	40	76.3	51.8	64.1	RICHMOND 4 NNW	87	40	73.8	50.3	62.0
DUNDEE	90	42	75.4	52.8	64.1	SAGINAW #3	84	40	72.7	50.1	61.5
DURAND WWTP	86	40	73.9	49.9	61.9	SAGINAW MBS INTL AP	87	39	72.8	51.1	62.0
FARMINGTON	89	41	74.9	50.5	62.7	SALINE 4SW	90	40	76.3	51.1	63.7
FLINT 7W	86	38	72.4	49.4	60.9	TECUMSEH	88	43	75.4	52.0	63.7
FLINT FCWOS	88	38	74.5	49.9	62.2	WHITE LAKE 4E	87	36	74.1	48.9	61.5
GOODRICH	89	38	72.8	49.6	61.2	WHITMORE LAKE 1NW	87	39	74.1	50.8	62.5

May – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Mays 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	51.1	1907	66.5	1991	48.7	1997	65.0	1982	49.8	1924	64.6	1977
2	51.3	1917	66.2	2018	50.0	1966	65.0	1936	49.9	1945	64.0	1998
3	51.8	1967	65.5	1998	50.6	1967	64.7	1934	50.0	1917	63.7	2018
4	51.9	1966	65.3	2012	50.6	1945	64.4	1922	50.2	1997	63.4	1975
5	52.0	1997	65.3	1896	51.5	1984	64.2	1991	51.3	1947	63.2	1991
6	52.1	1924	65.2	1962	51.9	1947	63.4	2018	51.6	1967	62.8	1936
7	52.5	1945	64.7	2024	52.5	1961	62.9	2015	51.6	1915	62.7	1934
8	52.6	1935	64.7	1911	52.6	1973	62.9	2012	51.8	1925	62.5	1982
9	52.7	1882	64.5	2015	52.7	1954	62.9	1998	51.9	2002	62.5	1922
10	53.1	1915	64.4	1977	52.9	1968	62.7	1987	51.9	1983	62.2	2012
11	53.8	1947	64.3	1881	52.9	1924	62.6	1977	51.9	1954	62.0	2024
12	53.9	1910	64.2	2022	53.1	2002	62.2	2024	52.1	1966	61.6	2015
13	54.2	1883	64.2	1982	53.4	2005	61.9	2013	52.5	1946	61.5	2013
14	54.3	1888	63.7	1964	53.5	1983	61.9	1939	52.7	1935	61.5	1962
15	54.4	1983	63.7	1880	53.8	1974	61.8	1975	52.8	1948	61.3	2010
16	54.5	1984	63.6	2013	53.8	1948	61.6	1965	53.0	1974	61.2	2022
17	54.5	2002	63.3	1987	54.0	1957	61.5	1962	53.1	1956	61.1	1964
18	54.5	1890	63.3	1944	54.1	1963	61.4	2022	53.4	1957	61.1	1959
19	54.7	1954	63.1	1965	54.1	1935	61.4	1944	53.4	1923	61.0	1985
20	54.7	1925	63.0	1887	54.1	1925	61.1	1933	53.6	2003	60.7	1965

* 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.

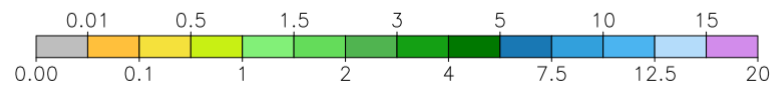
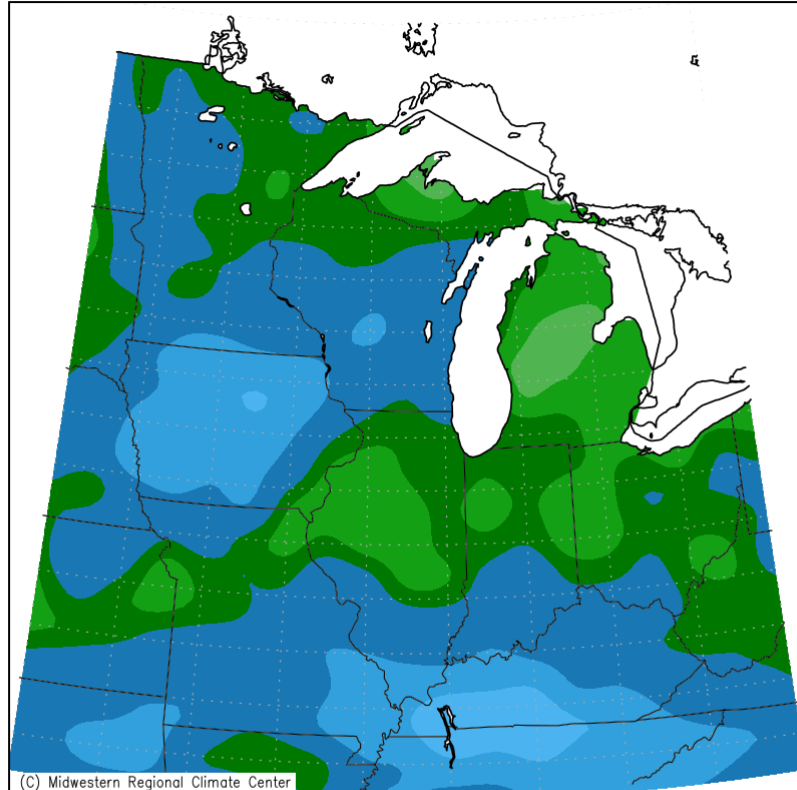
May 2024 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



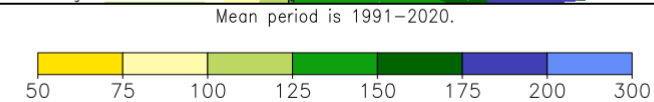
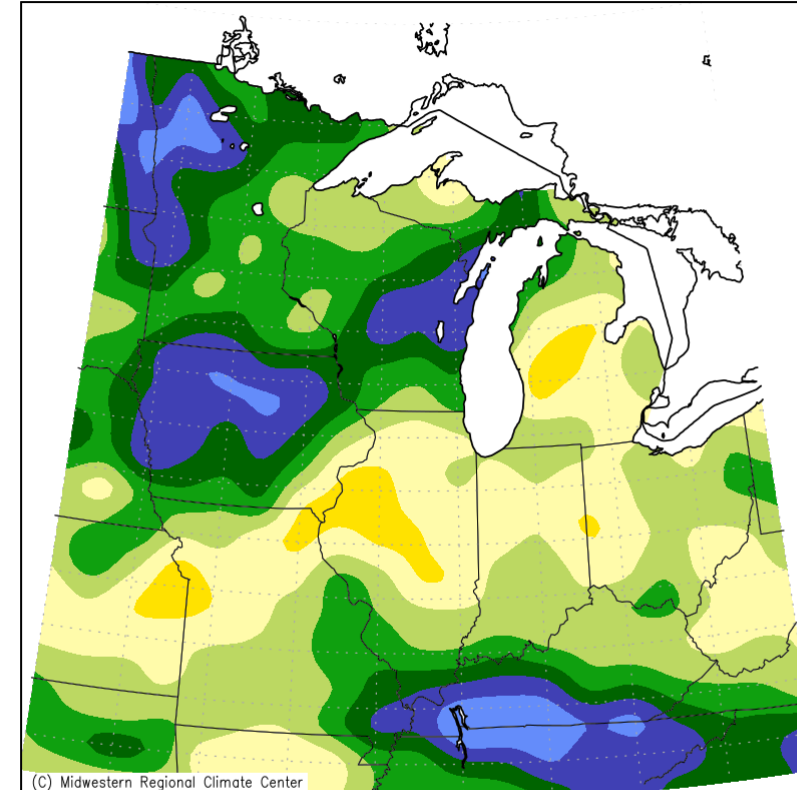
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

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



Midwestern Regional Climate Center
Purdue University

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



Midwestern Regional Climate Center
Purdue University

May 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 2 NNE	0.70	3.43	15	DETROIT WILLOW RUN AP	0.83	3.10	11	MILLINGTON 3 SE	0.86	3.14	11
ADRIAN LENAWEE CO AP	0.74	3.85	14	DEXTER 2.2 SE	0.84	3.68	12	MONROE 3.0 S	0.53	2.43	13
ALGONAC WWTP	0.71	3.92	13	DUNDEE	1.31	3.20	14	NEW BALTIMORE 0.4 SSE	1.09	5.00	16
ANN ARBOR 3.0 SE	1.12	2.99	10	DURAND 6.2 WNW	0.35	2.29	11	ORCHARD LAKE VLG 1 WSW	1.45	3.38	13
ANN ARBOR 4.3 WSW	0.47	3.08	15	DURAND WWTP	0.56	2.93	14	ORTONVILLE 2.3 S	0.71	3.70	17
ANN ARBOR MNCPL AP	1.39	3.51	11	FARMINGTON	2.42	3.78	12	OWOSSO WWTP	0.59	3.26	14
ANN ARBOR SE	1.11	3.04	14	FENTON 2.7 SSE	2.07	4.43	17	PLYMOUTH 5.4 W	0.88	2.78	12
ANN ARBOR U OF MICH	0.76	2.89	12	FENTON 5.6 WSW	1.88	4.62	15	PONTIAC INTL AP	0.83	2.77	11
BAD AXE	0.82	2.74	16	FENTON 6.2 WSW	1.33	3.56	16	PONTIAC WWTP	1.67	4.29	14
BAY PORT 3.2 SSW	0.61	2.80	16	FILION 5NNW	0.48	1.69	14	PORT HOPE	0.59	2.32	12
BRIGHTON 1.1 E	1.00	4.11	16	FLINT 7W	0.64	3.61	15	PORT HURON	0.71	3.33	10
BURTON 4N	1.05	4.51	14	FLINT FCWOS	0.58	3.56	12	PORT HURON 2.8 WSW	0.55	3.64	14
CANTON 2.7 N	2.17	3.62	15	GOODRICH	1.09	4.01	15	RICHMOND 4 NNW	1.37	4.22	14
CARLETON 2.5 S	1.80	3.80	11	GROSSE POINTE FARMS	0.84	3.93	15	SAGINAW 6.4 W	0.76	3.39	16
CASS CITY 1 SSW	1.46	5.96	16	HARBOR BEACH 1 SSE	0.32	1.99	14	SAGINAW MBS INTL AP	0.72	2.54	11
CHELSEA	1.77	4.55	11	HIGHLAND 1.3 NE	1.24	3.65	17	SALINE 3.8 SSW	0.73	2.48	13
CHELSEA 3.7 NNE	1.07	3.11	12	HOWELL 3.7 WSW	1.19	3.41	13	SALINE 4SW	0.69	2.54	16
CHESANING	0.88	4.08	16	LAPEER 2W	1.74	6.03	15	SHELBY 0.4 SSE	1.96	5.96	15
CLARKSTON 1.4 NE	1.31	4.50	16	LAPEER WWTP	0.71	3.76	13	ST CHARLES 5.0 W	0.49	2.52	17
CLINTON 0.5 NE	0.81	2.88	13	LEXINGTON WATER PLANT	0.70	3.67	15	ST CLAIR SHORES 2.5 N	1.03	4.45	16
DAVISON 3.4 NNW	1.11	4.62	15	LINDEN WWTP	1.68	4.19	13	STERLING HGHTS 2.2 NNE	1.65	5.06	16
DAVISON 5.2 N	0.46	1.95	11	LIVONIA 2.3 NNW	1.77	2.66	12	WATERFORD 1.1 NE	1.10	2.94	17
DEARBORN	1.50	2.86	14	MANCHESTER	0.55	3.20	12	WHITE LAKE 0.5 E	1.17	3.72	16
DEARBORN HGHTS 1.8 NW	1.54	3.29	16	MIDLAND	0.36	1.95	11	WHITE LAKE 4E	1.70	4.16	13
DETROIT CITY AP	0.82	4.22	14	MIDLAND 1.5 NNE	0.44	2.08	13	WHITMORE LAKE 1NW	1.10	5.10	10
DETROIT METRO AIRPORT	0.73	2.55	11	MIDLAND 4.4 SW	0.38	2.33	13	WYANDOTTE	0.72	2.83	13

May – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Mays 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	8.46	2004	0.43	1920	8.19	2004	0.34	1988	9.95	1912	0.53	1939
2	8.05	1943	0.58	1934	7.61	2011	0.59	1934	8.11	2004	0.76	1934
3	7.84	1892	0.87	1988	7.59	1945	0.76	1925	6.99	1942	0.80	2023
4	6.97	1947	0.90	1877	7.25	2014	0.79	1994	6.84	1945	0.80	1988
5	6.35	2018	0.92	2023	7.04	2012	0.92	1958	6.29	1996	0.81	1977
6	6.20	1991	0.97	1939	6.80	1956	0.93	1965	6.17	1983	0.84	1958
7	6.11	1945	0.97	1936	6.34	2000	0.95	1977	5.91	2020	0.89	1992
8	6.03	1956	1.16	1958	6.07	1943	0.99	1998	5.85	2006	1.03	1925
9	5.88	1968	1.16	1955	5.97	1932	1.02	1967	5.74	1927	1.12	1979
10	5.83	1875	1.18	1994	5.50	1974	1.02	1936	5.22	1956	1.16	1995
11	5.62	1876	1.21	1925	5.41	1924	1.08	2023	5.18	2000	1.18	1961
12	5.58	1927	1.24	1993	5.36	2020	1.25	1961	5.17	2013	1.20	1949
13	5.53	2015	1.26	1962	5.35	2001	1.31	1966	5.15	1997	1.25	1966
14	5.47	1983	1.33	1992	5.27	2006	1.37	1954	4.89	1989	1.26	1937
15	5.42	1932	1.36	1986	5.01	1927	1.40	2005	4.84	1943	1.29	1975
16	5.38	2011	1.39	1954	4.84	2007	1.55	1941	4.73	1986	1.34	1941
17	5.31	2010	1.50	1893	4.75	1957	1.56	1926	4.69	1933	1.44	1920
18	5.23	1997	1.55	1903	4.64	1969	1.58	1979	4.51	1926	1.47	1950
19	5.11	2000	1.63	1967	4.60	1947	1.59	2008	4.37	1916	1.47	1936
20	5.11	1883	1.65	1898	4.32	1959	1.61	1986	4.30	1946	1.48	1971

* 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.

May 2024 – Significant Weather Events

Follow links for web summaries

Weather Forecast Office
Detroit, MI



No Significant Events in May



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 »

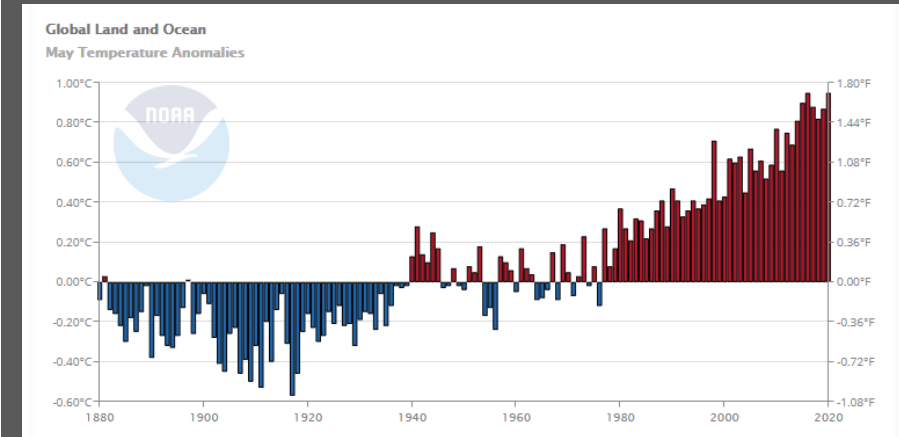
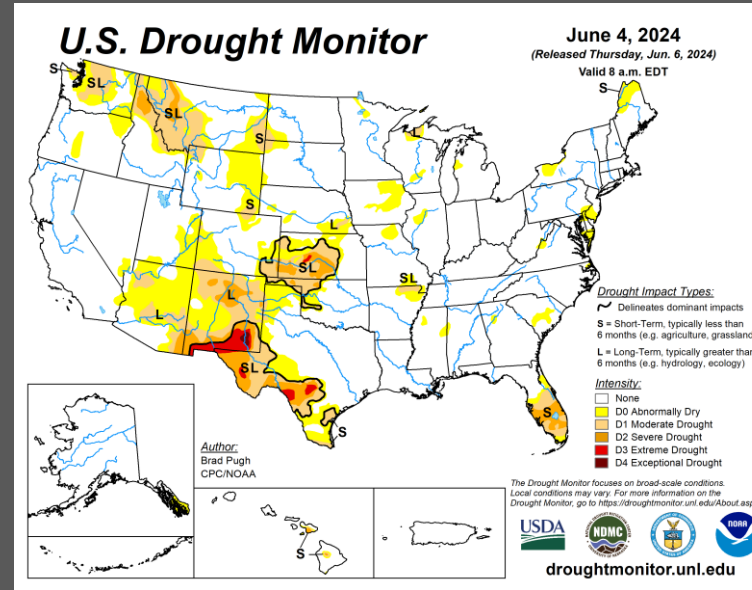
Daily data for a month Date: 2021-08

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

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.



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!