

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



September 2022



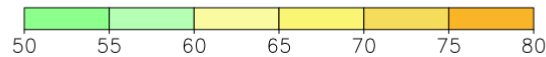
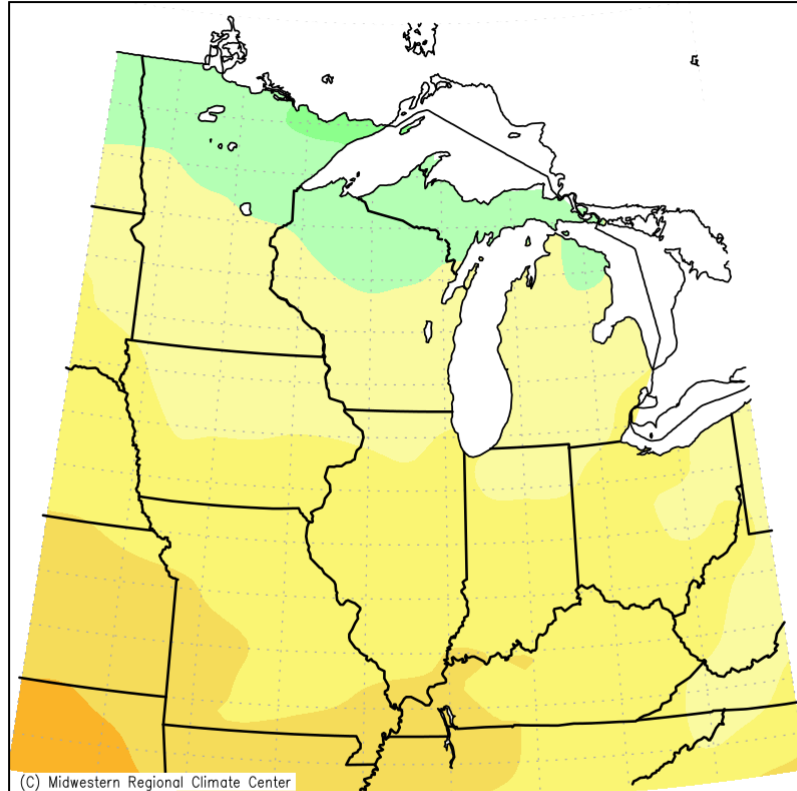
September 2022 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



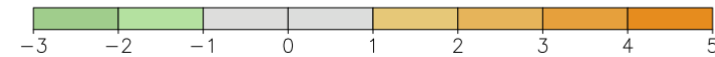
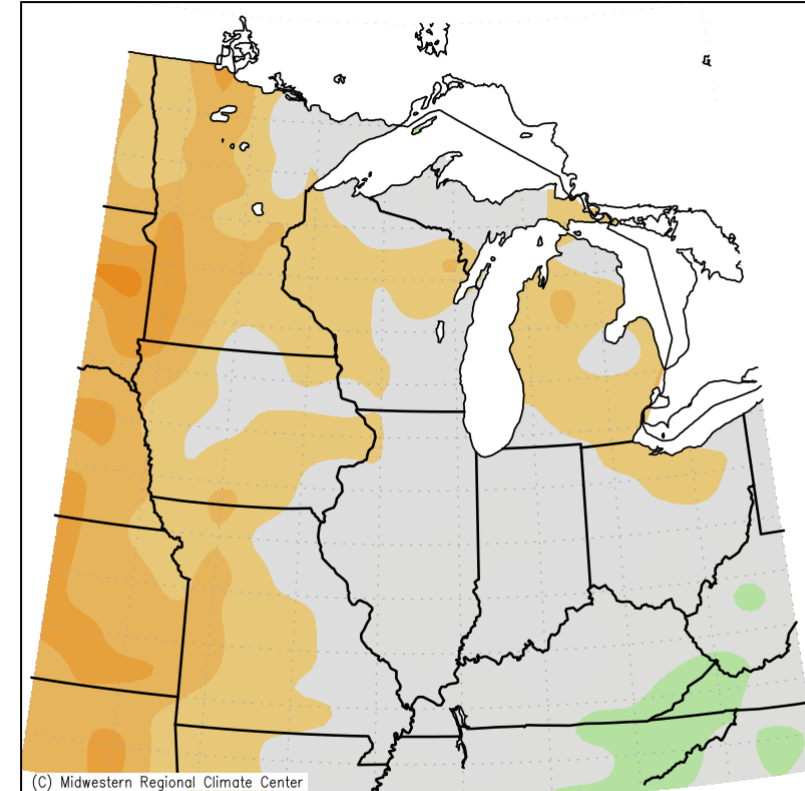
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
September 1, 2022 to September 30, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
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Average Temperature (°F): Departure from Mean
September 1, 2022 to September 30, 2022



Midwestern Regional Climate Center
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September 2022 – 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 COUNTY AP	86	39	74.5	54.1	64.3	GOODRICH	88	36	73.6	52.6	63.1
ALGONAC WWTP	92	39	78.0	53.7	65.9	GROSSE POINTE FARMS	92	44	74.9	58.3	66.6
ANN ARBOR MUNICIPAL AP	87	34	74.8	50.7	62.7	HARBOR BEACH 1 SSE	86	40	71.4	54.6	63.0
ANN ARBOR SE	88	36	75.5	52.3	63.9	LAPEER 2W	89	34	73.9	51.9	62.9
ANN ARBOR U OF MICH	87	33	76.1	52.3	64.2	LAPEER WWTP	89	36	74.4	51.9	63.2
BAD AXE	86	39	72.3	53.1	62.7	MANCHESTER	87	37	74.9	52.6	63.7
BURTON 4N	88	34	73.1	51.2	62.1	MIDLAND	84	32	69.6	51.4	60.7
CARO WWTP	87	36	73.9	52.2	63.1	OIL CITY 2S	85	32	69.9	49.4	59.6
CASS CITY 1 SSW	85	36	72.1	50.7	61.4	OWOSSO WWTP	88	37	74.0	52.6	63.1
CHELSEA	86	35	74.5	53.5	64.0	PONTIAC INTL AP	87	40	73.7	54.6	64.2
DEARBORN	89	39	76.0	55.5	65.7	PONTIAC WWTP	89	40	74.6	54.9	64.8
DEARBORN NO. 2	88	42	77.3	58.8	68.0	PORT HOPE	88	43	72.1	58.3	65.2
DETROIT CITY AP	89	45	76.8	59.4	68.1	PORT HURON	87	46	75.1	59.4	67.3
DETROIT METRO AIRPORT	89	42	76.3	57.4	66.9	RICHMOND 4 NNW	87	36	73.0	53.1	63.1
DETROIT WILLOW RUN AP	90	40	78.3	56.5	67.4	SAGINAW #3	84	38	71.1	49.7	60.4
DURAND WWTP	94	35	74.4	50.6	62.3	SAGINAW MBS INTL AP	85	38	72.2	54.2	63.2
FARMINGTON	90	39	75.6	53.4	64.5	SALINE 4SW	89	39	77.5	53.2	65.4
FILION 5NNW	89	43	74.0	56.7	65.3	TIPTON 2WNW	85	38	76.1	52.4	64.2
FLINT 7W	86	38	73.8	53.1	63.4	WHITE LAKE 4E	87	33	73.5	50.9	62.2
FLINT FCWOS	90	34	75.2	52.4	63.8	WHITMORE LAKE 1NW	88	39	73.9	53.2	63.4



September – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Septembers 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	57.4	1918	72.2	1881	55.4	1924	69.2	1933	54.9	1918	69.0	1931
2	58.6	1879	69.8	1931	56.3	1993	68.1	1931	56.4	1924	68.0	1933
3	59.1	1975	69.5	1921	57.3	1975	68.0	2015	56.7	1993	67.6	2015
4	59.1	1876	69.3	2015	57.4	1966	66.6	2002	56.8	1949	66.8	1921
5	59.2	1883	68.9	2018	57.4	1949	66.6	2019	56.9	1956	66.2	1961
6	59.4	1924	68.9	2002	57.5	1956	66.6	1934	57.0	1943	66.2	1927
7	59.6	1896	68.8	1961	57.7	1981	66.2	1921	57.3	1975	65.9	2005
8	59.6	1974	68.6	2019	57.8	1962	66.1	1961	57.4	1981	65.9	1998
9	59.6	1949	68.6	1908	58.0	1967	65.9	1927	58.5	1991	65.6	2017
10	59.6	1890	68.5	1933	58.5	1995	65.6	1939	58.5	1962	65.6	2016
11	59.7	1899	68.4	2005	58.6	1928	65.4	1978	58.7	1935	65.5	1971
12	59.9	1875	68.4	1906	58.7	2006	65.3	1998	58.8	1917	65.4	2019
13	60.0	1888	68.2	2016	58.8	1963	65.1	2005	58.9	1951	65.3	1930
14	60.1	1887	68.0	1998	58.9	1974	65.1	1930	58.9	1950	65.2	1936
15	60.3	1967	67.9	1891	59.1	1957	65.1	1925	59.0	1938	65.1	2018
16	60.4	1956	67.9	1884	59.3	2001	65.0	1936	59.0	1928	64.7	1948
17	60.7	1928	67.5	1978	59.3	1937	64.8	2016	59.1	2006	64.6	2004
18	60.8	1981	67.5	1941	59.4	2020	64.8	2018	59.3	1984	64.5	2002
19	61.0	1993	67.5	1898	59.5	1943	64.8	1983	59.3	2000	64.4	1941
20	61.2	1984	67.4	2004	59.6	1991	64.8	1971	59.3	1992	64.3	1968

* 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.

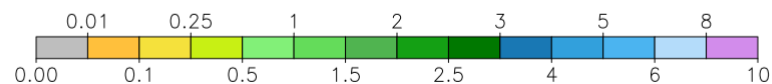
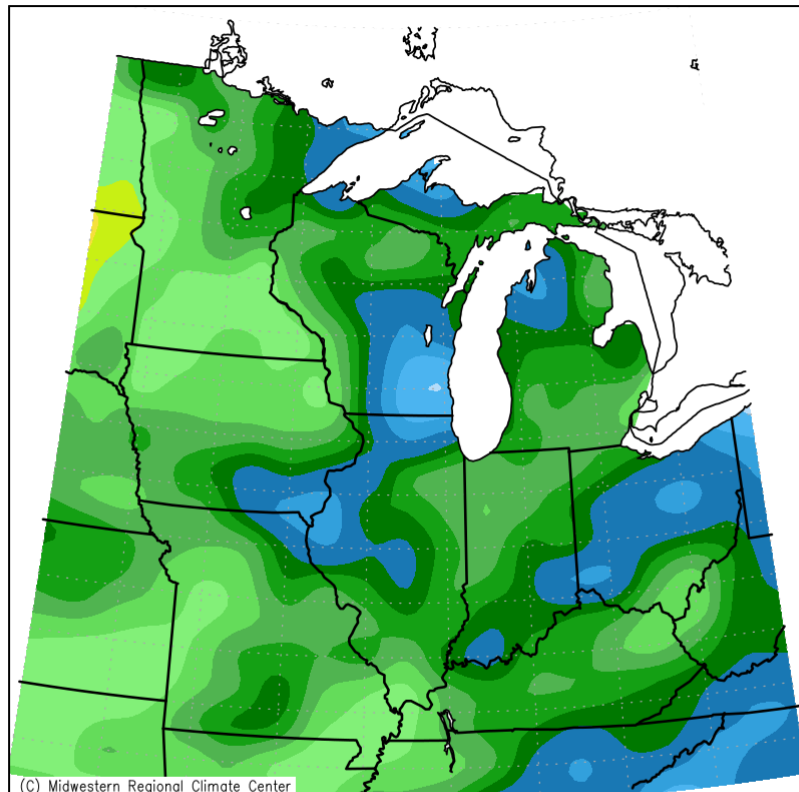
September 2022 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



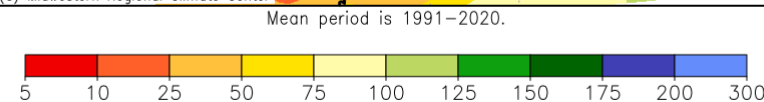
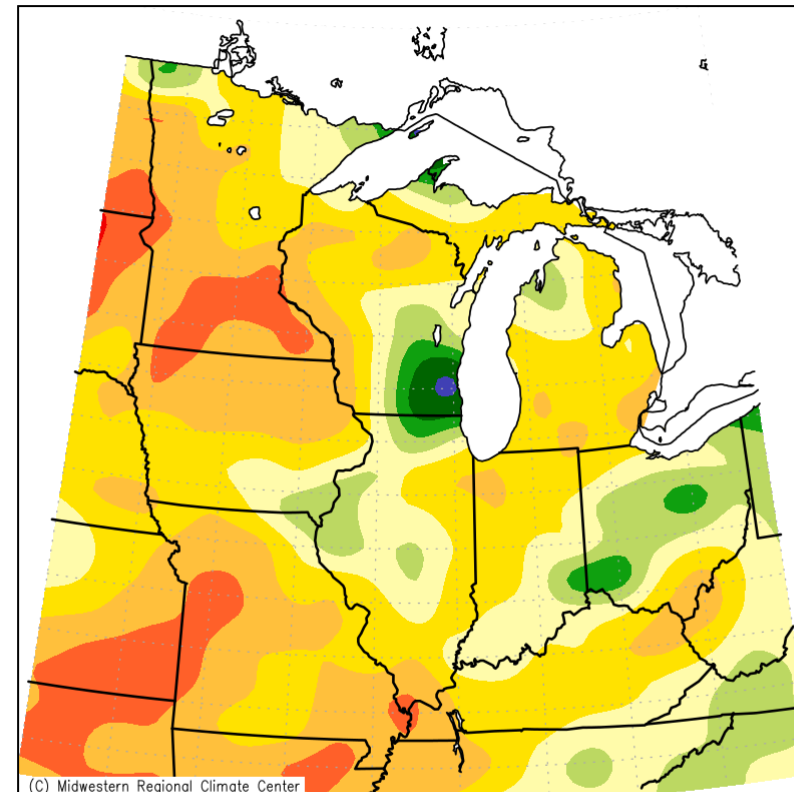
Total Monthly Precipitation (left) & Percent of Mean (right)

Accumulated Precipitation (in)
September 1, 2022 to September 30, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
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Accumulated Precipitation: Percent of Mean
September 1, 2022 to September 30, 2022



Midwestern Regional Climate Center
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September 2022 – 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	1.58	3.02	10	DEARBORN NO. 2	0.47	1.13	6	MIDLAND	0.79	2.34	12
ALGONAC WWTP	0.43	1.65	12	DETROIT CITY AP	0.45	1.33	8	MIDLAND 1.5 NNE	1.24	2.31	10
ANN ARBOR 3.0 SE	0.59	1.42	10	DETROIT METRO AIRPORT	0.51	0.99	6	MILFORD 4.3 ESE	0.52	1.65	9
ANN ARBOR 4.5 W	0.71	2.53	8	DETROIT WILLOW RUN AP	0.58	1.20	7	MONROE 3.0 S	0.48	1.55	10
ANN ARBOR MNCPL AP	0.63	1.42	8	DEXTER 0.3 ENE	0.91	2.08	10	OIL CITY 2S	1.65	3.15	10
ANN ARBOR SE	0.58	1.45	11	DEXTER 2.2 SE	1.28	3.36	7	OWOSSO WWTP	0.87	2.47	11
ANN ARBOR U OF MICH	0.64	2.14	10	DURAND 6.2 WNW	1.35	2.33	11	PLYMOUTH 5.4 W	1.08	2.17	8
BAD AXE	1.13	3.24	10	DURAND WWTP	0.80	1.55	8	PONTIAC INTL AP	0.58	1.98	10
BAD AXE 6.3 SSW	0.81	3.43	12	FARMINGTON	0.41	1.00	5	PONTIAC WWTP	0.45	1.48	9
BAY PORT 3.2 SSW	0.93	2.56	10	FENTON 2.7 SSE	0.82	2.35	11	PORT HOPE	0.51	1.64	8
CANTON 2.7 N	0.95	1.69	7	FENTON 6.2 WSW	1.05	1.84	9	PORT HURON	0.17	0.64	8
CARLETON 2.5 S	0.25	1.37	9	FILION 5NNW	0.51	2.31	11	PORT HURON 1.6 W	0.18	0.75	9
CARO WWTP	1.43	3.25	9	FLINT FCWOS	0.90	1.74	10	PORT HURON 2.8 WSW	0.24	0.83	8
CASS CITY 1 SSW	0.88	2.97	9	GOODRICH	0.43	1.44	9	RICHMOND 4 NNW	0.51	1.49	8
CHELSEA	0.94	1.61	10	GROSSE ILE 1.6 N	0.40	0.77	7	SAGINAW 6.4 W	0.68	2.22	14
CHELSEA 3.7 NNE	0.88	1.83	6	GROSSE POINTE FARMS	0.55	1.94	7	SAGINAW #3	1.31	2.90	13
CHESANING	0.56	1.38	10	HARBOR BEACH 1 SSE	0.84	2.48	10	SAGINAW MBS INTL AP	0.89	2.44	11
CHESTERFIELD 2.4 E	0.32	1.20	9	HIGHLAND 1.3 NE	1.43	3.48	11	SALINE 3.8 SSW	0.98	1.87	11
CLARKSTON 1.4 NE	0.61	2.23	9	HOWELL 4.9 ESE	1.20	1.84	7	SHELBY 0.4 SSE	0.47	1.81	9
DAVISBURG 1.3 ESE	1.08	2.73	11	LAPEER 2W	0.50	1.33	7	SHELBY 2.6 SW	0.83	2.51	14
DAVISON 3.4 NNW	0.52	1.79	9	LAPEER WWTP	0.74	2.05	9	WATERFORD 2.1 NW	0.68	2.15	13
DAVISON 5.2 N	0.31	1.30	8	LINDEN WWTP	0.35	0.68	9	WHITE LAKE 4E	0.70	2.47	10
DEARBORN	0.71	1.61	7	LIVONIA 2.0 NE	0.46	1.07	6	WYANDOTTE	0.66	1.25	8
DEARBORN HGHTS 1.8 NW	0.79	1.53	8	LIVONIA 2.3 NNW	0.46	1.14	10	YPSILANTI 2.5 SSE	0.69	1.54	11

September – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Septembers 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	7.52	1986	0.39	1877	10.86	1986	0.29	2002	16.16	1986	0.41	2002
2	6.71	2000	0.56	1908	8.68	1950	0.32	1979	8.15	1945	0.44	2017
3	6.50	1902	0.56	1889	8.64	2008	0.33	1969	7.49	1981	0.73	2004
4	6.46	2018	0.58	1956	8.29	1985	0.54	1955	6.02	1985	0.80	1948
5	6.28	2016	0.62	1995	7.65	1981	0.61	2013	5.80	1997	0.83	1969
6	6.28	2011	0.65	2004	6.61	1947	0.63	1991	5.74	1983	0.83	1956
7	6.24	1879	0.67	1874	6.24	2000	0.66	1956	5.66	1987	0.84	1917
8	6.06	1990	0.68	1969	5.95	1933	0.76	2004	5.64	1977	0.91	1991
9	5.99	2008	0.75	1909	5.62	2021	0.84	2017	5.61	1970	1.03	2013
10	5.90	1936	0.78	1960	5.57	1987	0.94	1957	5.53	1996	1.09	2009
11	5.67	1926	0.81	1941	5.47	2005	1.05	1995	5.50	1978	1.09	1920
12	5.55	1992	0.90	1991	5.14	1945	1.18	2009	5.33	1950	1.24	1955
13	5.55	1961	0.91	2017	4.99	1932	1.19	1953	5.12	2005	1.33	1989
14	5.47	1981	0.94	1979	4.88	1934	1.28	1998	4.91	1957	1.37	1940
15	5.43	2021	0.99	2022	4.79	1925	1.40	1941	4.87	1988	1.42	1938
16	4.71	2014	1.02	1897	4.75	1980	1.46	2007	4.84	1965	1.50	1972
17	4.69	1959	1.15	1895	4.70	1936	1.49	1938	4.80	1942	1.51	1916
18	4.64	1921	1.18	1913	4.66	1993	1.59	1946	4.77	1922	1.51	1914
19	4.54	1925	1.20	2013	4.59	1977	1.61	1928	4.59	1927	1.55	1976
20	4.47	1915	1.26	1888	4.57	1978	1.62	1966	4.55	2008	1.62	1982

* 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.

September 2022 – Significant Weather Events

Follow links for web summaries

Weather Forecast Office
Detroit, MI



September 21 Severe Weather weather.gov/dtx/severeweather09212022



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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

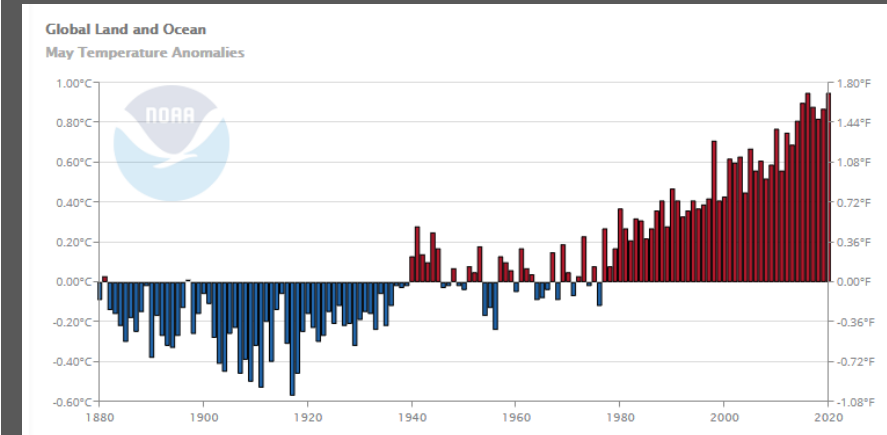
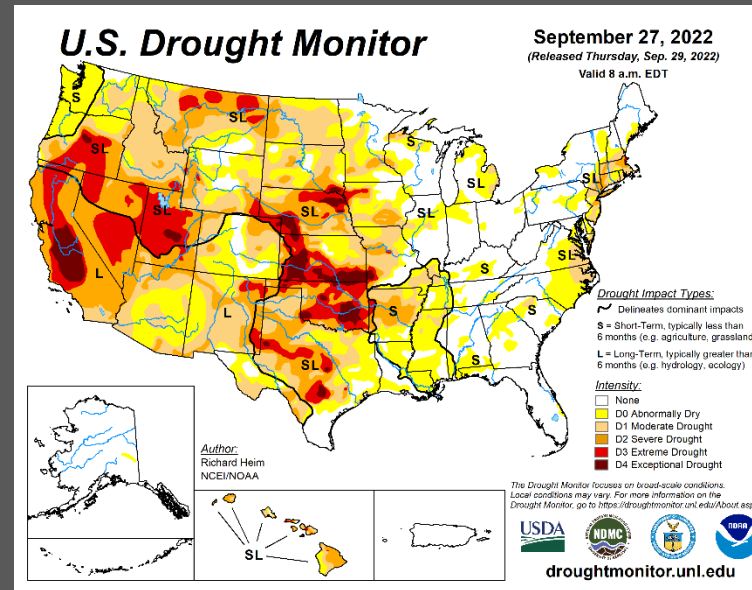
- Daily data for a month
- Daily almanac
- Monthly summarized data
- Calendar day summaries
- Daily/monthly normals
- Climatology for a day
- First/last dates
- Temperature graphs
- Accumulation graphs

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.

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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

ncdc.noaa.gov/cag/

Thank you to our COOP and CoCoRaHS volunteer weather observers!