

# Southeast Michigan Climate Summary

## Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office  
Detroit, MI



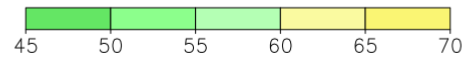
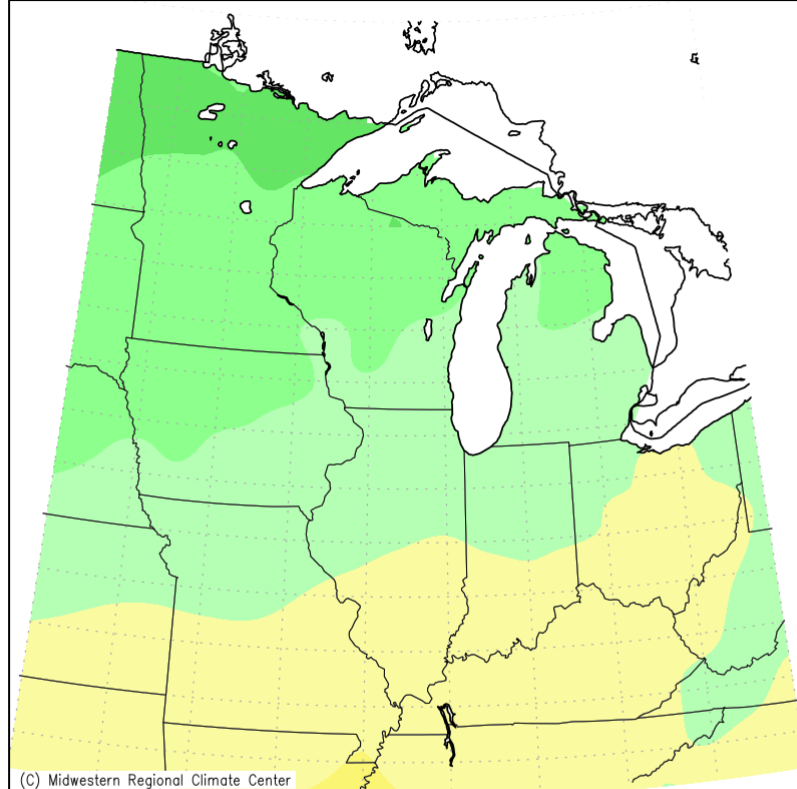
# October 2021 – Regional Temperature Summary

Weather Forecast Office  
Detroit, MI



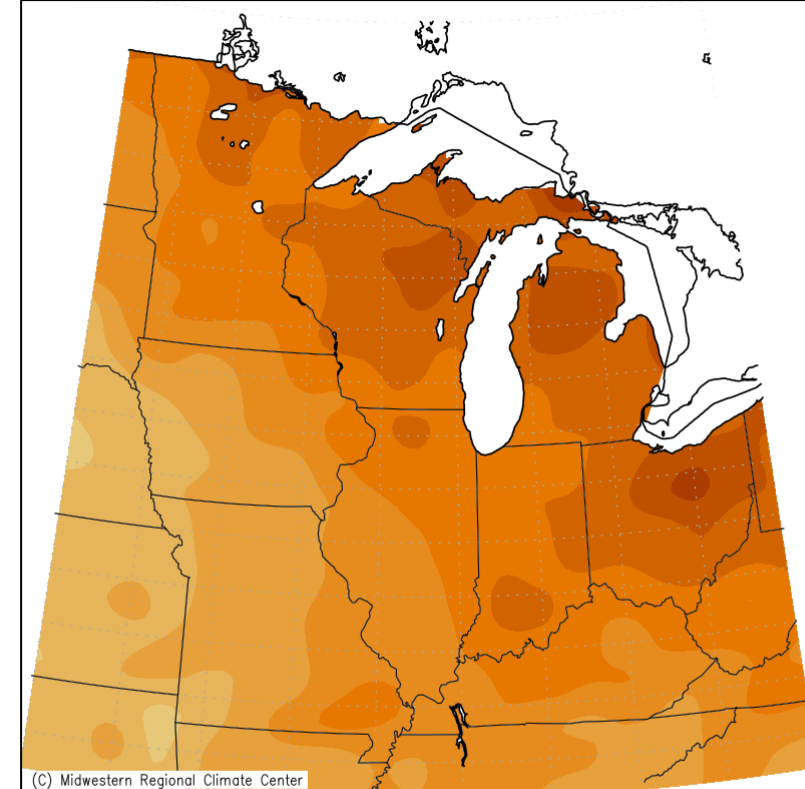
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)  
October 1, 2021 to October 31, 2021

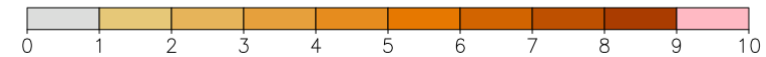


Midwestern Regional Climate Center  
Purdue University

Average Temperature (°F): Departure from Mean  
October 1, 2021 to October 31, 2021



Mean period is 1991–2020.

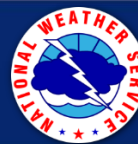


Midwestern Regional Climate Center  
Purdue University



# October 2021 – 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 CO AP	82	31	65.8	50.1	57.9	HARBOR BEACH 1 SSE	79	36	63.8	50.7	57.3
ALGONAC WWTP	83	33	67.7	49.6	58.7	LAPEER 2W	80	31	64.5	49.7	57.1
ANN ARBOR MUNICIPAL AP	80	26	65.5	47.4	56.4	LAPEER WWTP	82	31	67.3	49.3	58.3
ANN ARBOR SE	81	29	66.2	47.7	57.0	LEXINGTON WATER PLANT	79	34	63.6	50.0	56.8
ANN ARBOR U OF MICH	80	29	66.3	48.6	57.5	LINDEN WWTP	80	33	64.6	48.7	57.1
BAD AXE	80	33	64.0	48.8	56.4	MANCHESTER	82	30	66.9	48.7	57.8
BURTON 4N	81	30	65.3	48.3	56.8	MIDLAND	75	30	60.6	47.5	54.0
CASS CITY 1 SSW	79	31	64.7	47.7	56.2	MORENCI	81	30	65.1	46.3	55.7
CHELSEA	81	30	65.9	48.5	57.2	OIL CITY 2S	79	28	63.1	45.9	54.5
DEARBORN NO. 2	81	37	66.5	51.8	59.1	OWOSSO WWTP	82	34	66.2	49.1	57.6
DETROIT CITY AP	82	36	67.5	54.2	60.8	PONTIAC INTL AP	79	32	64.5	50.8	57.7
<b>DETROIT METRO AIRPORT</b>	<b>81</b>	<b>36</b>	<b>66.6</b>	<b>52.3</b>	<b>59.4</b>	PONTIAC WWTP	80	34	65.4	50.4	57.9
DETROIT WILLOW RUN AP	86	33	70.0	53.4	61.7	PORT HOPE	80	38	64.0	53.5	58.8
DUNDEE	83	33	66.5	49.2	57.8	RICHMOND 4 NNW	78	33	66.0	50.7	58.4
DURAND WWTP	81	32	65.5	48.1	56.8	SAGINAW #3	82	32	65.2	49.2	57.2
FARMINGTON	80	32	65.0	48.5	56.7	<b>SAGINAW MBS INTL AP</b>	<b>82</b>	<b>32</b>	<b>65.0</b>	<b>50.4</b>	<b>57.7</b>
FILION 5NNW	79	37	64.5	51.2	57.7	SALINE 4SW	83	31	67.8	47.4	57.6
FLINT 7W	80	31	64.3	48.0	56.1	TECUMSEH	83	24	67.5	43.5	55.5
<b>FLINT FCWOS</b>	<b>81</b>	<b>34</b>	<b>65.9</b>	<b>51.3</b>	<b>58.6</b>	VASSAR	83	29	65.6	46.3	55.9
GOODRICH	79	33	64.2	49.4	56.8	WHITE LAKE 4E	79	29	64.1	48.0	56.0
GROSSE POINTE FARMS	81	36	66.4	51.7	59.0	WHITMORE LAKE 1NW	80	32	65.6	48.7	57.2

# October – Top 20 Coldest/Warmest on Record

Weather Forecast Office  
Detroit, MI



## Top 20 Coldest/Warmest Octobers 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	44.5	1925	62.7	1963	42.5	1925	59.4	1947	40.6	1925	58.5	1963
2	44.9	1917	60.3	1947	44.3	1980	58.6	2021	42.1	1917	58.2	1947
3	45.3	1895	60.0	1900	44.5	1952	58.2	1963	43.7	1972	58.1	1971
4	45.8	1876	59.5	1920	44.7	1981	57.6	1971	43.9	1988	57.7	2021
5	46.0	1988	59.5	1879	44.8	1988	57.3	2007	44.1	1952	57.5	1920
6	46.3	1980	59.4	2021	45.2	1987	55.9	1924	44.6	1980	56.8	2007
7	46.4	1875	59.1	2007	46.0	2006	55.7	1946	44.7	1981	55.9	2017
8	46.5	1987	58.5	1971	46.1	1964	55.7	1938	45.6	1987	55.7	1931
9	47.0	1889	58.2	1946	46.2	1972	55.6	1949	46.1	2006	55.2	1956
10	47.0	1888	57.6	1882	46.8	1976	55.3	1973	46.1	2002	55.0	1973
11	47.3	1972	57.5	1956	47.3	1993	55.1	1956	46.4	1976	54.6	1914
12	47.3	1909	57.5	1931	47.3	1957	55.1	1931	46.5	1977	54.3	1946
13	47.3	1976	57.4	1949	47.4	2009	54.6	2017	46.9	1926	54.2	1938
14	47.3	1907	57.4	1924	47.6	2002	54.4	1950	47.1	1992	54.1	1927
15	47.5	1981	57.3	2017	47.6	1966	54.0	1984	47.2	1964	54.1	1924
16	47.6	1896	57.0	1881	47.7	2008	53.8	2015	47.5	1945	54.0	2016
17	47.9	1977	56.8	1953	47.9	1945	53.7	1953	47.5	1943	53.8	1949
18	48.0	1887	56.7	1927	48.0	1997	53.6	1975	47.7	2009	53.5	1975
19	48.1	1952	56.6	1914	48.0	1937	53.6	1928	47.8	1993	53.5	1970
20	48.6	1880	56.5	1919	48.1	1992	53.5	2000	47.8	1978	53.5	1928

\* 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.

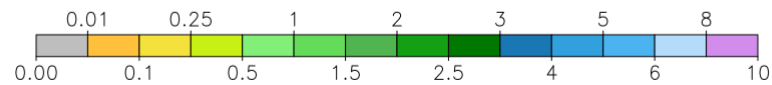
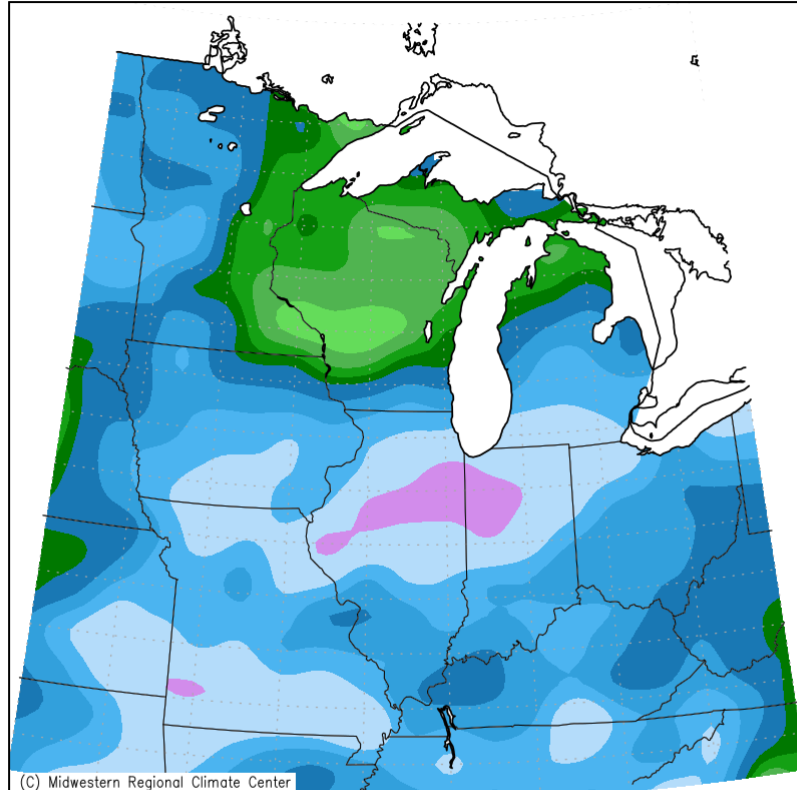
# October 2021 – Regional Precipitation Summary

Weather Forecast Office  
Detroit, MI



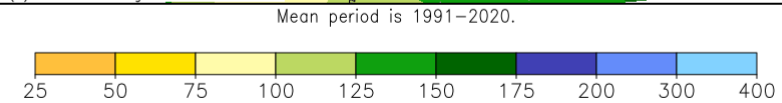
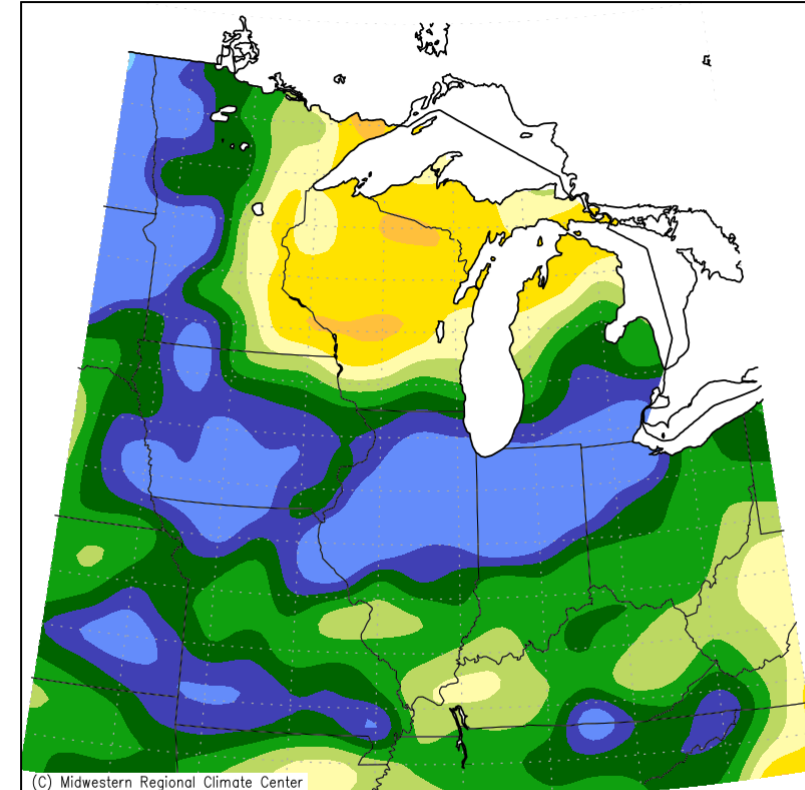
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)  
October 1, 2021 to October 31, 2021



Midwestern Regional Climate Center  
Purdue University

Accumulated Precipitation: Percent of Mean  
October 1, 2021 to October 31, 2021



Midwestern Regional Climate Center  
Purdue University

# October 2021 – 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	1.11	6.42	18	LAPEER 2W	0.88	5.28	24
ADRIAN LENAWEE COUNTY AP	1.09	6.14	16	LAPEER WWTP	0.79	4.46	19
ALGONAC WWTP	0.90	5.71	17	LINDEN WWTP	1.07	5.39	20
ANN ARBOR SE	1.50	5.41	18	MANCHESTER	1.81	6.10	17
ANN ARBOR U OF MICH	1.91	5.99	21	MIDLAND	2.04	6.82	19
BAD AXE	0.86	3.82	23	OIL CITY 2S	2.48	7.51	16
BURTON 4N	0.83	4.86	21	OWOSSO WWTP	0.97	5.52	20
CASS CITY 1 SSW	0.51	3.27	19	PONTIAC INTL AP	1.13	5.51	18
CHELSEA	1.72	6.52	16	PONTIAC WWTP	0.94	5.68	18
CHESANING	0.71	4.63	16	PORT HOPE	0.75	3.48	21
DETROIT CITY AP	1.19	5.02	19	RICHMOND 4 NNW	1.36	6.44	17
<b>DETROIT METRO AIRPORT</b>	<b>1.16</b>	<b>5.25</b>	<b>16</b>	ROSEVILLE	0.73	4.10	17
DETROIT WILLOW RUN AP	1.19	5.39	19	SAGINAW 8NW	1.91	5.86	20
DURAND WWTP	1.00	5.66	19	SAGINAW #3	1.02	5.40	21
FARMINGTON	1.66	7.60	15	<b>SAGINAW MBS INTL AP</b>	<b>0.79</b>	<b>3.94</b>	<b>18</b>
FLINT 7W	0.84	5.14	20	SALINE 4SW	1.91	6.26	20
<b>FLINT FCWOS</b>	<b>1.14</b>	<b>5.45</b>	<b>18</b>	WHITE LAKE 4E	1.28	6.08	17
GOODRICH	1.26	5.62	16	WHITMORE LAKE 1NW	1.35	5.97	16
GROSSE POINTE FARMS	1.50	5.39	15	WYANDOTTE	1.38	5.37	15
HARBOR BEACH 1 SSE	0.74	3.63	17				

# October – Top 20 Wettest/Driest on Record

Weather Forecast Office  
Detroit, MI



## Top 20 Wettest/Driest Octobers 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	7.80	1954	0.13	2005	6.59	2001	0.13	1923	7.78	1954	0.18	1952
2	6.76	2001	0.30	1892	6.33	2019	0.33	2005	7.49	2019	0.28	1956
3	6.52	1881	0.47	1924	5.52	1941	0.33	1944	5.57	1990	0.38	1924
4	5.67	1890	0.50	1964	5.45	2021	0.38	1956	5.33	1962	0.46	1975
5	5.50	1949	0.51	1963	4.72	1921	0.57	1982	5.29	1951	0.48	1982
6	5.45	1880	0.56	1895	4.69	2017	0.58	1963	5.29	1941	0.64	1944
7	5.25	2021	0.61	1956	4.21	1954	0.59	1952	5.08	2006	0.68	1963
8	4.98	1919	0.63	1953	4.20	1929	0.61	1964	4.96	1932	0.72	1938
9	4.96	1951	0.73	1944	4.13	1932	0.63	1938	4.76	1933	0.75	1915
10	4.87	1967	0.78	1915	4.06	1990	0.81	1935	4.73	1929	0.78	1978
11	4.83	1957	0.78	1874	3.98	1940	0.87	1948	4.45	2017	0.99	2003
12	4.77	1893	0.81	1974	3.96	1933	0.88	1966	4.45	1969	0.99	1964
13	4.72	1877	0.83	1879	3.95	1951	0.95	1924	4.28	1942	1.01	1948
14	4.61	1959	0.86	1904	3.73	1972	1.05	1930	4.19	2009	1.02	1946
15	4.45	1955	0.94	1938	3.69	2018	1.06	1965	4.11	1957	1.06	1931
16	4.41	2019	1.01	1982	3.66	1928	1.23	1953	4.04	1928	1.18	1939
17	4.35	1925	1.01	1971	3.65	1957	1.25	1958	4.03	1993	1.22	1923
18	4.30	1911	1.04	1886	3.59	2006	1.26	2008	4.01	2001	1.23	2000
19	4.20	1906	1.05	1889	3.53	1942	1.27	2002	3.99	1998	1.26	1999
20	4.14	1991	1.07	2010	3.52	1991	1.28	1934	3.99	1959	1.26	1935

\* 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.



# October 2021 – Significant Weather Events

Follow links for web summaries

Weather Forecast Office  
Detroit, MI



No Significant Events in October





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**

- ✓ 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

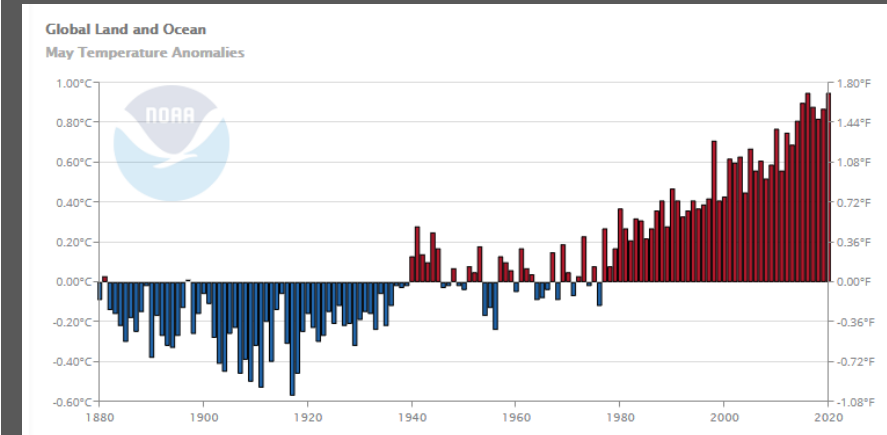
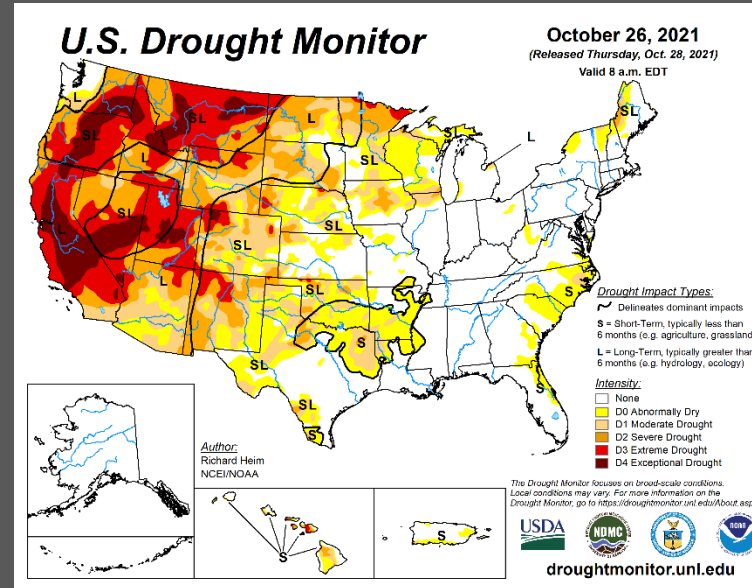
Date: 2021-08

**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.

**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](http://weather.gov/wrh/climate?wfo=dtx)

**U.S. Drought Monitor**

[drought.gov/drought/data-maps-tools/current-conditions](http://drought.gov/drought/data-maps-tools/current-conditions)

**NOAA NCEI Climate at a Glance**

[ncdc.noaa.gov/cag/](http://ncdc.noaa.gov/cag/)

Thank you to our COOP and CoCoRaHS volunteer weather observers!