

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



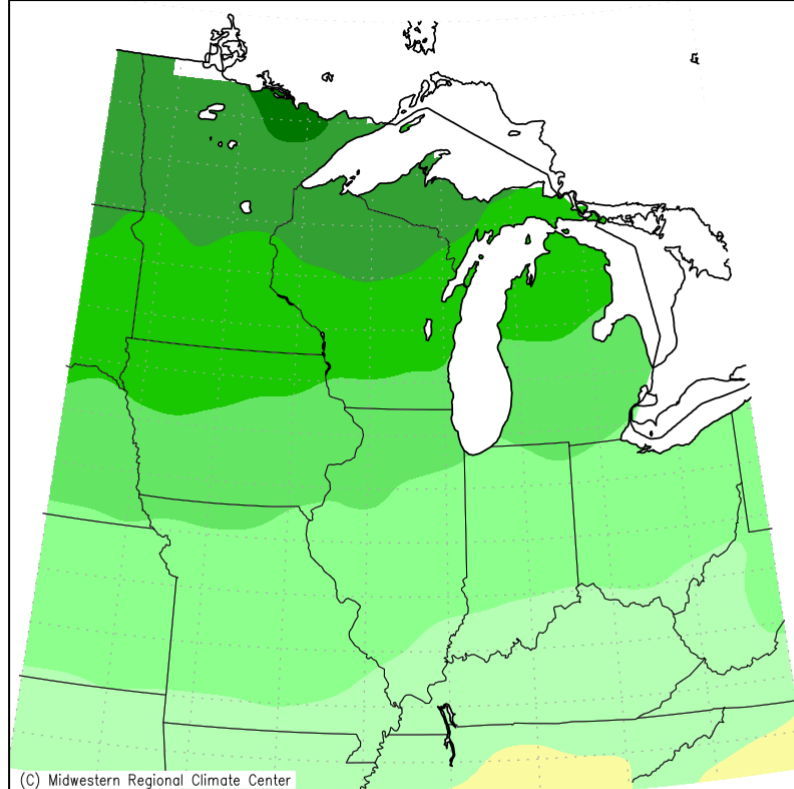
October 2020 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI

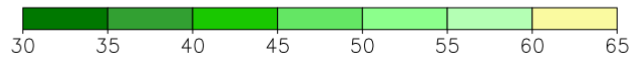


Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
October 1, 2020 to October 31, 2020

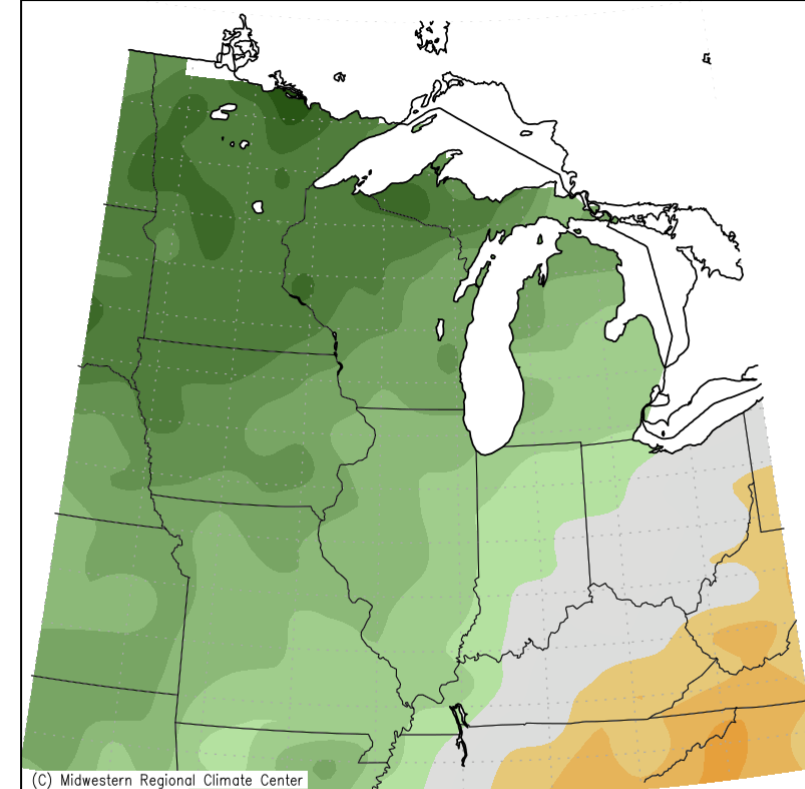


(C) Midwestern Regional Climate Center



Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana-Champaign

Average Temperature (°F): Departure from Mean
October 1, 2020 to October 31, 2020



(C) Midwestern Regional Climate Center

Mean period is 1981-2010.



Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana-Champaign

October 2020 – 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
ADRIAN LENAWEE COUNTY AP	81	28	59.6	40.0	49.8
ALGONAC WWTP	78	27	60.5	39.3	49.9
ANN ARBOR MUNICIPAL AP	79	21	59.6	36.7	48.1
ANN ARBOR SE	80	23	59.4	37.1	48.2
ANN ARBOR U OF MICH	79	23	59.9	39.0	49.4
BAD AXE	74	22	56.1	39.0	47.5
BURTON 4N	76	25	58.3	36.7	47.5
CARO WWTP	74	22	57.1	37.9	47.4
CASS CITY 1 SSW	74	21	56.6	36.9	46.6
CHELSEA	78	24	58.4	37.8	48.1
DETROIT CITY AP	78	28	59.6	43.3	51.5
DETROIT METRO AIRPORT	78	29	59.8	42.3	51.0
DETROIT WILLOW RUN AP	83	27	62.5	42.0	52.2
DUNDEE	81	27	60.9	39.4	49.9
DURAND WWTP	78	29	60.7	36.7	48.7
FARMINGTON	78	25	58.1	37.8	48.0
FLINT 7W	75	26	57.3	36.8	47.0
FLINT FCWOS	77	28	59.1	39.4	49.2
GOODRICH	75	28	57.6	37.9	47.8
GROSSE POINTE FARMS	78	28	59.4	41.0	50.2
HARBOR BEACH 1 SSE	75	32	57.1	40.5	48.8
LAPEER 2W	76	18	57.5	38.3	47.9
LAPEER WWTP	76	23	58.4	38.2	48.3

Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg
LEXINGTON WATER PLANT	77	23	57.6	39.3	48.2
LINDEN WWTP	74	24	56.9	35.7	46.4
MANCHESTER	80	26	59.3	37.3	48.1
MIDLAND	79	28	55.7	38.6	47.2
MORENCI	82	27	61.1	38.1	49.6
NEWPORT 4SSE	80	28	59.7	40.5	50.1
OIL CITY 2S	76	21	55.0	33.4	44.2
OWOSSO WWTP	79	22	57.2	35.9	46.6
PONTIAC INTL AP	77	27	57.6	39.7	48.6
PONTIAC WWTP	76	27	58.0	39.9	49.0
PORT HOPE	73	25	56.6	42.3	49.4
PORT HURON	76	36	59.2	45.1	52.1
RICHMOND 4 NNW	78	24	58.3	38.2	48.2
SAGINAW #3	77	28	57.0	38.0	47.5
SAGINAW MBS INTL AP	78	29	56.7	39.0	47.9
SALINE 4SW	80	26	60.6	38.1	49.4
TECUMSEH	81	25	61.1	35.2	48.2
TIPTON 2WNW	80	23	60.0	35.2	47.6
VASSAR	74	21	57.7	35.5	46.9
WHITE LAKE 4E	73	22	55.1	35.3	45.2
WHITMORE LAKE 1NW	77	26	57.4	36.7	47.0
YALE 1 NNW	76	23	57.9	37.8	47.9

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	58.2	1963	42.1	1917	58.2	1947
3	45.3	1895	60.0	1900	44.5	1952	57.6	1971	43.7	1972	58.1	1971
4	45.8	1876	59.5	1920	44.7	1981	57.3	2007	43.9	1988	57.5	1920
5	46.0	1988	59.5	1879	44.8	1988	55.9	1924	44.1	1952	56.8	2007
6	46.3	1980	59.1	2007	45.2	1987	55.7	1946	44.6	1980	55.9	2017
7	46.4	1875	58.5	1971	46.0	2006	55.7	1938	44.7	1981	55.7	1931
8	46.5	1987	58.2	1946	46.1	1964	55.6	1949	45.6	1987	55.2	1956
9	47.0	1889	57.6	1882	46.2	1972	55.3	1973	46.1	2006	55.0	1973
10	47.0	1888	57.5	1956	46.8	1976	55.1	1956	46.1	2002	54.6	1914
11	47.3	1972	57.5	1931	47.3	1993	55.1	1931	46.4	1976	54.3	1946
12	47.3	1909	57.4	1949	47.3	1957	54.6	2017	46.5	1977	54.2	1938
13	47.3	1976	57.4	1924	47.4	2009	54.4	1950	46.9	1926	54.1	1927
14	47.3	1907	57.3	2017	47.6	2002	54.0	1984	47.1	1992	54.1	1924
15	47.5	1981	57.0	1881	47.6	1966	53.8	2015	47.2	1964	54.0	2016
16	47.6	1896	56.8	1953	47.7	2008	53.7	1953	47.5	1945	53.8	1949
17	47.9	1977	56.7	1927	47.9	1945	53.6	1975	47.5	1943	53.5	1975
18	48.0	1887	56.6	1914	48.0	1997	53.6	1928	47.7	2009	53.5	1970
19	48.1	1952	56.5	1919	48.0	1937	53.5	2000	47.8	1993	53.5	1928
20	48.6	1880	56.4	1950	48.1	1992	53.5	1927	47.8	1978	53.4	1961

* 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.

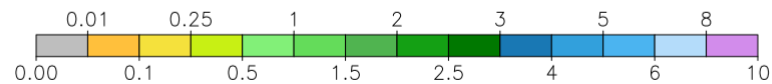
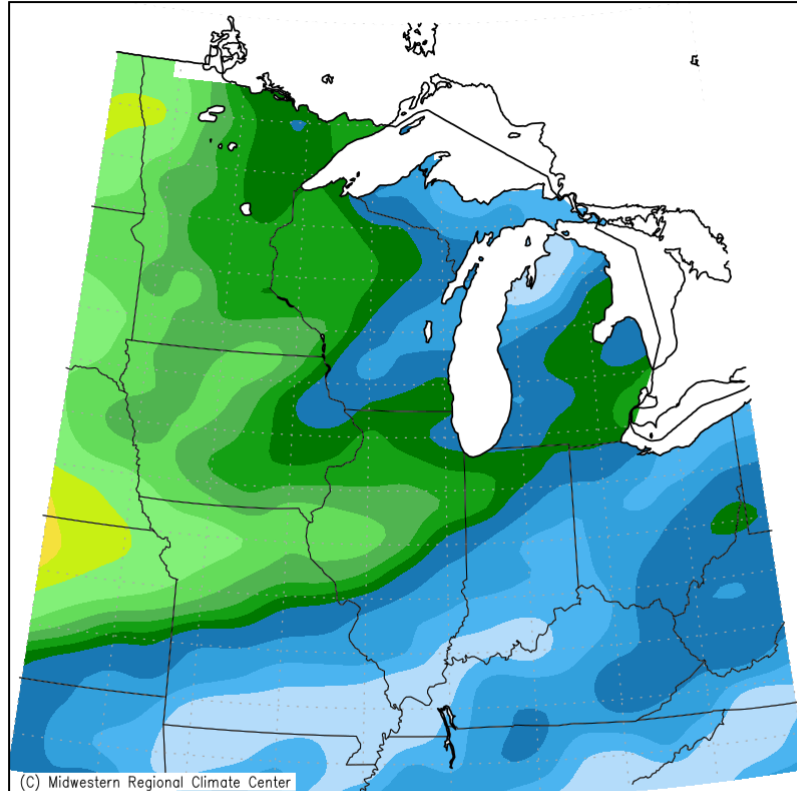
October 2020 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



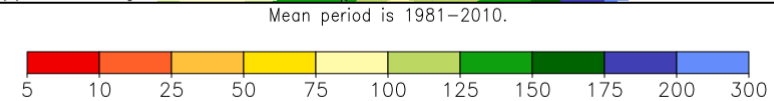
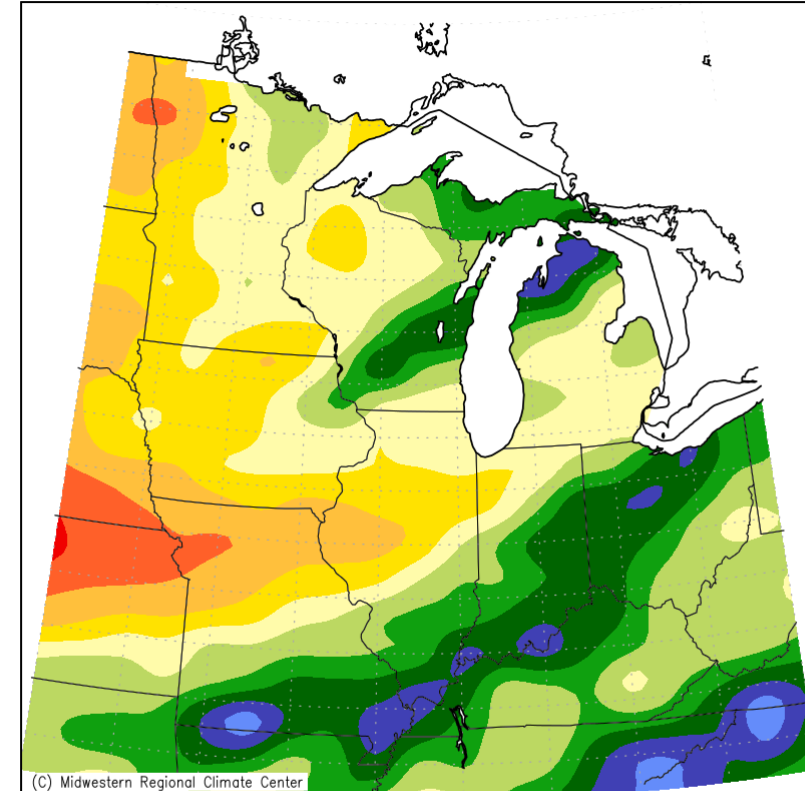
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)
October 1, 2020 to October 31, 2020



Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana–Champaign

Accumulated Precipitation: Percent of Mean
October 1, 2020 to October 31, 2020



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Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana–Champaign

October 2020 – 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
ADRIAN LENAWEE COUNTY AP	0.91	2.84	12
ALGONAC WWTP	0.56	2.31	16
ANN ARBOR SE	0.64	2.23	15
ANN ARBOR U OF MICH	0.66	2.58	14
BAD AXE	0.87	3.73	20
BAY PORT 3.2 SSW	0.64	2.87	18
CANTON 2.7 N	0.45	2.37	17
CARO WWTP	0.58	3.74	16
CASS CITY 1 SSW	0.61	3.18	13
CHELSEA	0.49	2.39	16
CHESANING	0.54	3.44	16
CHESTERFIELD 2.4 E	0.44	2.11	14
CLARKSTON 1.4 NE	0.57	2.77	13
DAVISBURG 1.3 ESE	0.53	2.78	15
DAVISON 5.2 N	0.28	1.80	12
DEARBORN HEIGHTS 1.8 NW	0.38	2.29	15
DETROIT CITY AP	0.29	1.61	11
DETROIT METRO AIRPORT	0.62	2.41	12
DEXTER 2.2 SE	0.40	2.38	14
DUNDEE	1.18	3.44	15
DURAND 6.2 WNW	0.62	3.14	17
DURAND WWTP	0.42	2.83	15
FARMINGTON	0.31	1.79	11
FARMINGTON HILLS 1.4 N	0.25	1.98	14

Location	Highest Daily Total	Monthly Total	# of Days with Precip
FENTON 2.7 SSE	0.65	3.16	16
FENTON 5.6 WSW	0.62	3.43	15
FENTON 6.2 WSW	0.58	3.16	14
FILION 5NNW	0.74	3.73	18
FLINT 7W	0.58	3.25	16
FLINT FCWOS	0.62	2.71	12
FRASER 1.2 N	0.30	2.28	16
GOODRICH	0.46	2.52	14
GROSSE ILE 1.6 N	0.83	2.77	16
HARBOR BEACH 1 SSE	1.13	4.25	22
HIGHLAND 1.3 NE	0.47	2.58	15
LAPEER 2W	0.45	2.60	17
LEXINGTON WATER PLANT	0.41	2.44	15
LINDEN WWTP	0.56	3.15	12
LIVONIA 2.0 NE	0.33	2.15	15
LIVONIA 2.3 NNW	0.27	2.10	16
MIDLAND	0.45	2.27	14
MIDLAND 1.5 NNE	0.43	2.61	22
MIDLAND 2.9 SW	0.51	2.75	15
MONROE 3.0 S	0.49	2.46	15
MORENCI	0.88	2.82	14
NEW BALTIMORE 0.4 SSE	0.37	1.98	15
OIL CITY 2S	0.50	2.48	17
ORTONVILLE 2.3 S	0.50	2.69	14

Location	Highest Daily Total	Monthly Total	# of Days with Precip
OTTAWA LAKE 1.4 SSW	0.54	1.99	14
OWOSSO WWTP	0.52	3.16	16
PLEASANT RIDGE 0.5 WNW	0.31	2.02	16
PLYMOUTH 5.4 W	0.55	2.58	15
PLYMOUTH 6.3 W	0.55	2.51	15
PONTIAC INTL AP	0.53	1.89	11
PONTIAC WWTP	0.43	1.99	16
PORT HURON 1.6 W	0.43	2.41	18
RICHMOND 4 NNW	0.49	2.65	15
ROSEVILLE 1.7 ENE	0.33	2.10	15
SAGINAW 6.4 W	0.40	2.91	18
SAGINAW 8NW	0.56	2.92	17
SAGINAW #3	0.40	2.97	19
SAGINAW MBS INTL AP	0.31	1.52	15
SALINE 3.8 SSW	0.74	2.61	14
SALINE 4SW	0.70	2.64	14
TECUMSEH	1.11	3.42	11
TIPTON 2WNW	0.80	2.88	12
UTICA 2.9 E	0.26	1.94	15
WATERFORD 2.6 N	0.59	2.35	14
WHITE LAKE 0.5 E	0.54	2.76	15
WHITE LAKE 4E	0.64	2.33	12
WHITMORE LAKE 1NW	0.54	2.60	13
WIXOM 2.0 NNW	0.52	2.53	17
WYANDOTTE	0.69	3.27	14
YALE 1 NNW	0.42	2.22	13

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	4.72	1921	0.38	1956	5.33	1962	0.46	1975
5	5.50	1949	0.51	1963	4.69	2017	0.57	1982	5.29	1951	0.48	1982
6	5.45	1880	0.56	1895	4.21	1954	0.58	1963	5.29	1941	0.64	1944
7	4.98	1919	0.61	1956	4.20	1929	0.59	1952	5.08	2006	0.68	1963
8	4.96	1951	0.63	1953	4.13	1932	0.61	1964	4.96	1932	0.72	1938
9	4.87	1967	0.73	1944	4.06	1990	0.63	1938	4.76	1933	0.75	1915
10	4.83	1957	0.78	1915	3.98	1940	0.81	1935	4.73	1929	0.78	1978
11	4.77	1893	0.78	1874	3.96	1933	0.87	1948	4.45	2017	0.99	2003
12	4.72	1877	0.81	1974	3.95	1951	0.88	1966	4.45	1969	0.99	1964
13	4.61	1959	0.83	1879	3.73	1972	0.95	1924	4.28	1942	1.01	1948
14	4.45	1955	0.86	1904	3.69	2018	1.05	1930	4.19	2009	1.02	1946
15	4.41	2019	0.94	1938	3.66	1928	1.06	1965	4.11	1957	1.06	1931
16	4.35	1925	1.01	1982	3.65	1957	1.23	1953	4.04	1928	1.18	1939
17	4.30	1911	1.01	1971	3.59	2006	1.25	1958	4.03	1993	1.22	1923
18	4.20	1906	1.04	1886	3.53	1942	1.26	2008	4.01	2001	1.23	2000
19	4.14	1991	1.05	1889	3.52	1991	1.27	2002	3.99	1998	1.26	1999
20	4.14	1990	1.07	2010	3.49	1959	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.

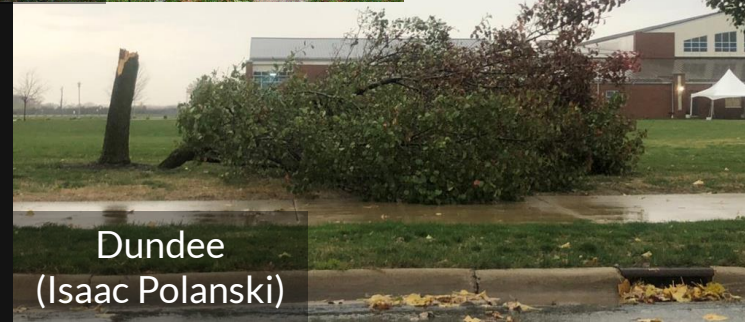
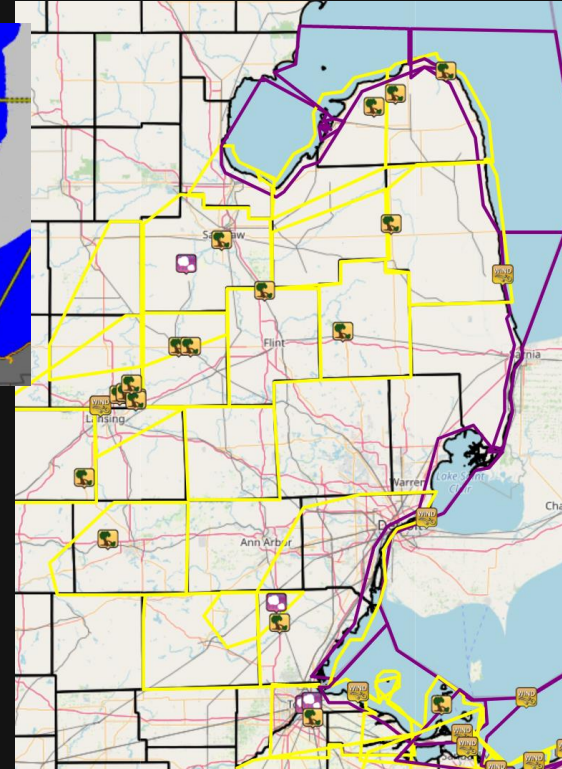
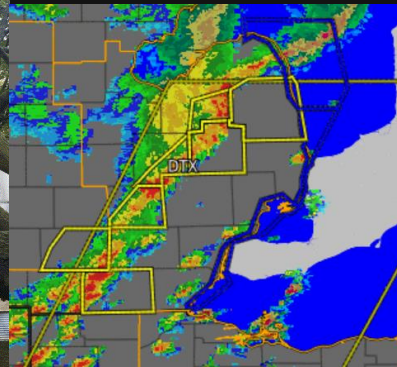
*** Saginaw Area precipitation records date back to January 1912.

October 2020 - Significant Weather Events

Weather Forecast Office
Detroit, MI



Follow links for web summaries



October 23 Severe Storms
weather.gov/dtx/SevereThunderstorms-10-23-2020



Observed Weather Reports

1. Product »
 Daily Climate Report (CLI)
 Preliminary Monthly Climate Data (CF6)
 Record Event Report (RER)
 Monthly Weather Summary (CLM)
 Regional Summary (RTP)
 State Summary (Temp/Precip)

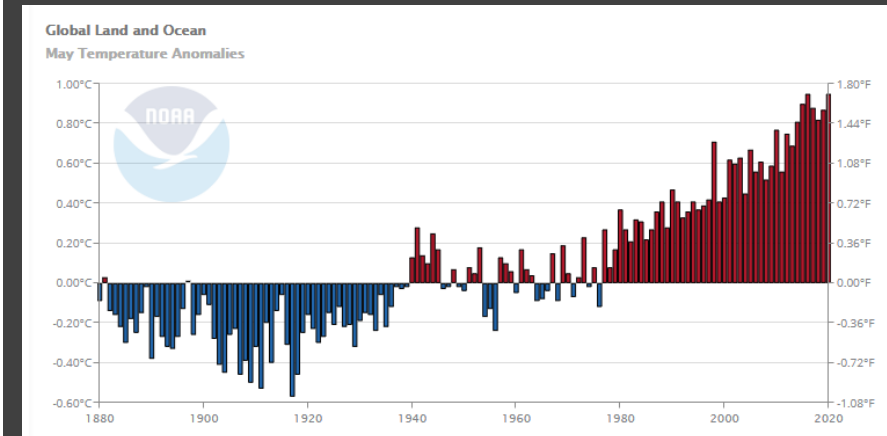
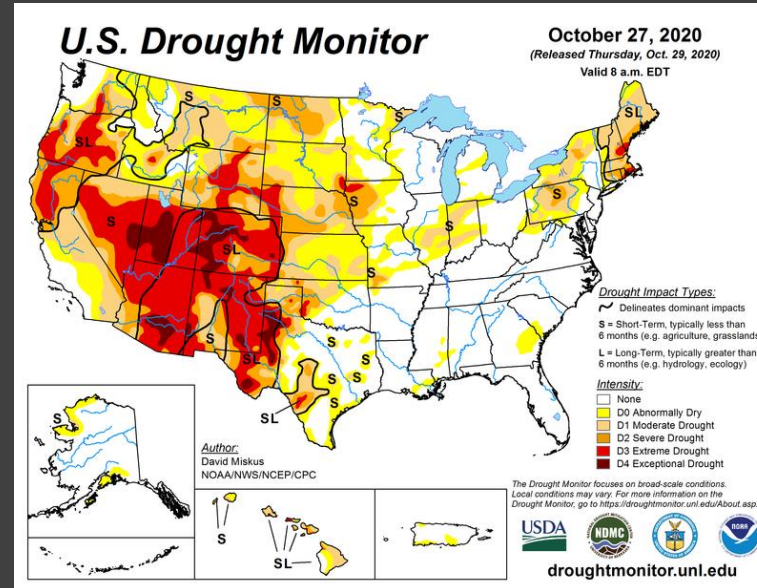
2. Location »
Detroit
Flint
Saginaw

3. Timeframe »
 Most Recent
 Archived Data:
July 3rd, 2020
July 2nd, 2020
July 1st, 2020
June 30th, 2020
June 29th, 2020
June 28th, 2020

4. View »
Go

Storm Event Database (NCDC)

Product Description:
DAILY CLIMATE REPORT - issued daily:
Detailed daily weather statistics (usually for yesterday), including temperature, precipitation, degree days, wind, humidity, sunrise/sunset, and record temperature data for the following day. Precipitation data includes both calendar year and water year totals, percent of normal values, and comparisons to normal. This product is



SE Michigan Climate Products

weather.gov/climate/index.php?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!