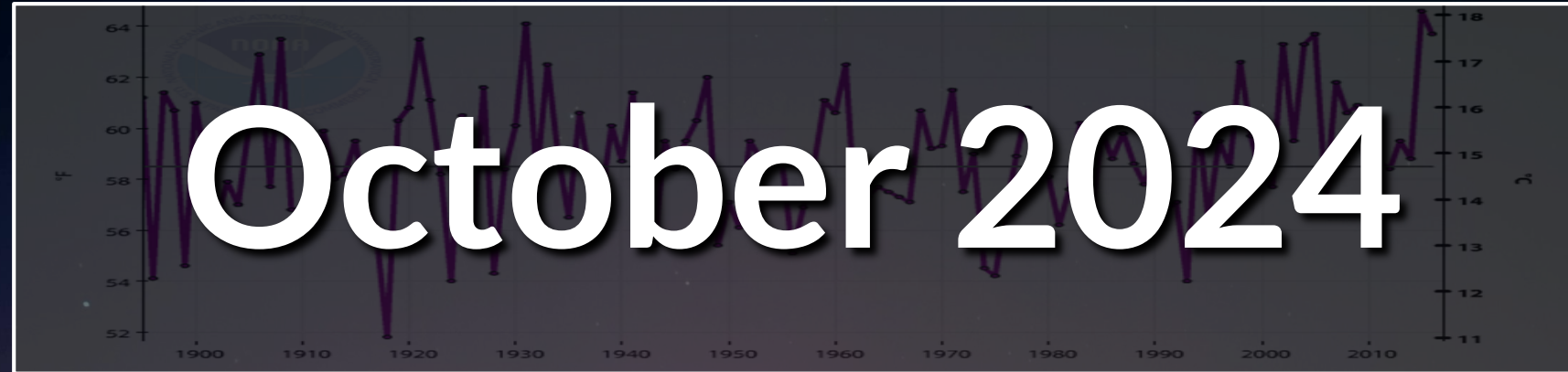


Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



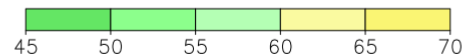
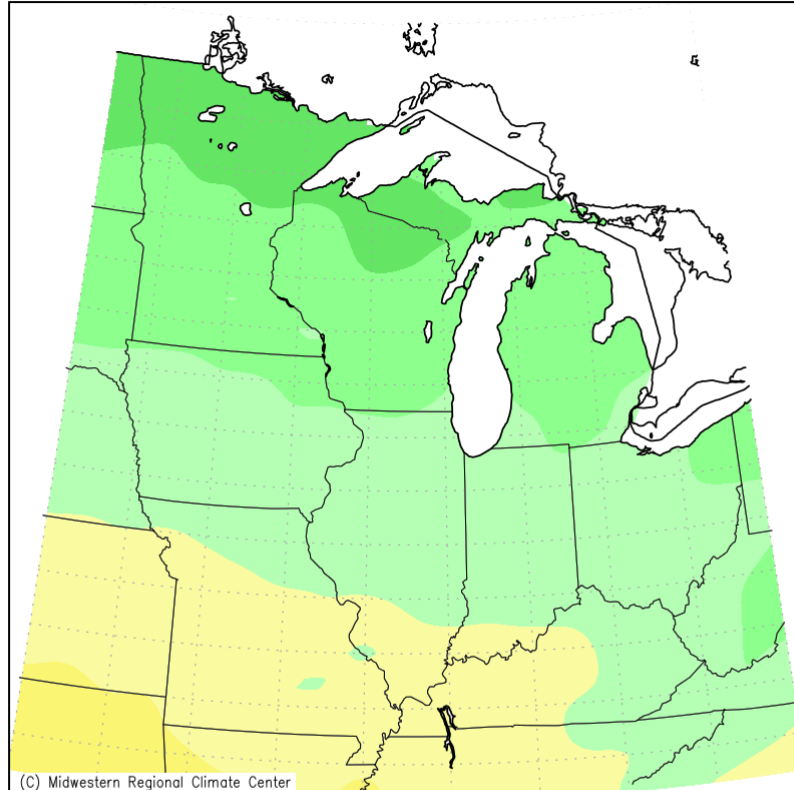
October 2024 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



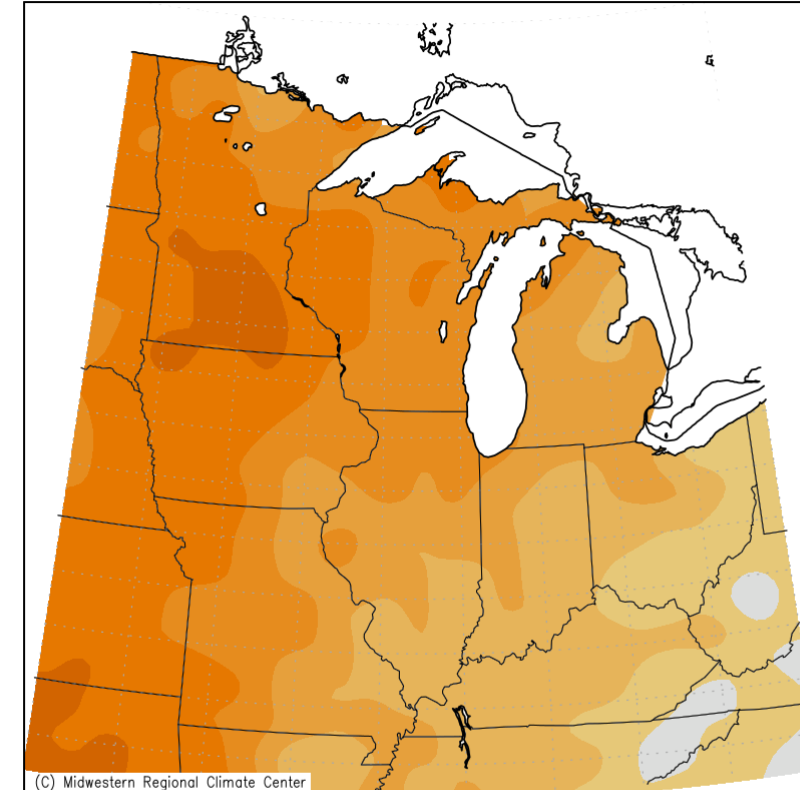
Average Temperature (left) & Departure from Average (right)

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



Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

October 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 LENAWEE CO AP | 81 | 30 | 69.0 | 42.8 | 55.9 | FLINT FCWOS | 79 | 26 | 67.0 | 41.1 | 54.1 |
| ALGONAC WWTP | 80 | 30 | 67.7 | 41.6 | 54.7 | GOODRICH | 79 | 29 | 66.0 | 41.2 | 53.6 |
| ANN ARBOR MUNICIPAL AP | 79 | 24 | 67.1 | 37.7 | 52.4 | GROSSE POINTE FARMS | 79 | 35 | 65.8 | 45.6 | 55.7 |
| ANN ARBOR SE | 80 | 28 | 68.0 | 40.1 | 54.0 | HARBOR BEACH 1 SSE | 80 | 31 | 65.3 | 44.1 | 54.7 |
| ANN ARBOR U OF MICH | 80 | 26 | 68.1 | 40.1 | 54.1 | LAPEER 2W | 81 | 27 | 66.4 | 41.9 | 54.2 |
| AUBURN 2NE | 82 | 27 | 68.0 | 40.0 | 54.0 | LAPEER WWTP | 81 | 28 | 67.1 | 40.5 | 53.8 |
| BAD AXE | 80 | 28 | 64.9 | 41.7 | 53.3 | LEXINGTON WATER PLANT | 82 | 32 | 65.3 | 43.5 | 54.4 |
| BURTON 4N | 81 | 27 | 67.1 | 38.8 | 53.0 | LINDEN WWTP | 79 | 28 | 66.6 | 40.7 | 53.7 |
| CARO WWTP | 81 | 28 | 66.0 | 39.0 | 52.5 | MANCHESTER | 80 | 31 | 69.2 | 40.6 | 54.9 |
| CASS CITY 1 SSW | 80 | 26 | 66.7 | 38.0 | 52.5 | MIDLAND | 77 | 27 | 63.6 | 40.8 | 52.2 |
| CHELSEA | 79 | 27 | 67.6 | 41.4 | 54.5 | MORENCI | 81 | 28 | 68.8 | 39.8 | 54.3 |
| DEARBORN | 82 | 30 | 68.4 | 43.5 | 56.0 | OIL CITY 2S | 79 | 26 | 65.1 | 35.5 | 50.2 |
| DEARBORN NO. 2 | 80 | 33 | 68.3 | 46.5 | 57.4 | OWOSSO WWTP | 80 | 29 | 67.0 | 41.0 | 54.0 |
| DETROIT CITY AP | 82 | 34 | 69.1 | 47.7 | 58.4 | PONTIAC INTL AP | 79 | 29 | 66.5 | 43.0 | 54.7 |
| DETROIT METRO AIRPORT | 80 | 33 | 67.8 | 45.2 | 56.5 | PONTIAC WWTP | 80 | 32 | 66.9 | 44.4 | 55.6 |
| DETROIT WILLOW RUN AP | 81 | 29 | 67.6 | 42.0 | 54.8 | RICHMOND 4 NNW | 81 | 25 | 65.3 | 39.0 | 52.2 |
| DUNDEE | 80 | 29 | 70.1 | 42.8 | 56.4 | SAGINAW #3 | 81 | 31 | 67.4 | 41.3 | 54.2 |
| DURAND WWTP | 79 | 27 | 67.3 | 40.6 | 53.9 | SAGINAW MBS INTL AP | 81 | 30 | 67.5 | 43.1 | 55.3 |
| ECN DETROIT | 82 | 34 | 66.4 | 44.7 | 55.6 | SALINE 4SW | 80 | 29 | 69.4 | 41.2 | 55.3 |
| FARMINGTON | 81 | 29 | 67.7 | 40.5 | 54.1 | WHITE LAKE 4E | 80 | 26 | 64.5 | 42.3 | 53.4 |
| FLINT 7W | 78 | 28 | 66.0 | 39.1 | 52.5 | WHITMORE LAKE 1NW | 79 | 28 | 66.6 | 40.9 | 53.8 |

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 | 55.3 | 2024 |
| 10 | 47.0 | 1888 | 57.6 | 1882 | 46.8 | 1976 | 55.3 | 1973 | 46.1 | 2002 | 55.2 | 1956 |
| 11 | 47.3 | 1972 | 57.5 | 1956 | 47.3 | 1993 | 55.1 | 1956 | 46.4 | 1976 | 55.0 | 1973 |
| 12 | 47.3 | 1909 | 57.5 | 1931 | 47.3 | 1957 | 55.1 | 1931 | 46.5 | 1977 | 54.6 | 1914 |
| 13 | 47.3 | 1976 | 57.4 | 1949 | 47.4 | 2009 | 54.6 | 2017 | 46.9 | 1926 | 54.3 | 1946 |
| 14 | 47.3 | 1907 | 57.4 | 1924 | 47.6 | 2002 | 54.4 | 1950 | 47.1 | 1992 | 54.2 | 1938 |
| 15 | 47.5 | 1981 | 57.3 | 2017 | 47.6 | 1966 | 54.1 | 2024 | 47.2 | 1964 | 54.1 | 1927 |
| 16 | 47.6 | 1896 | 57.0 | 1881 | 47.7 | 2008 | 54.0 | 1984 | 47.5 | 1945 | 54.1 | 1924 |
| 17 | 47.9 | 1977 | 56.8 | 1953 | 47.9 | 1945 | 53.8 | 2015 | 47.5 | 1943 | 54.0 | 2016 |
| 18 | 48.0 | 1887 | 56.7 | 1927 | 48.0 | 1997 | 53.7 | 1953 | 47.7 | 2009 | 53.8 | 1949 |
| 19 | 48.1 | 1952 | 56.6 | 1914 | 48.0 | 1937 | 53.6 | 1975 | 47.8 | 1993 | 53.5 | 1975 |
| 20 | 48.6 | 1880 | 56.5 | 2024 | 48.1 | 1992 | 53.6 | 1928 | 47.8 | 1978 | 53.5 | 1970 |

* 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.

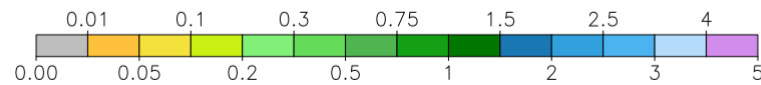
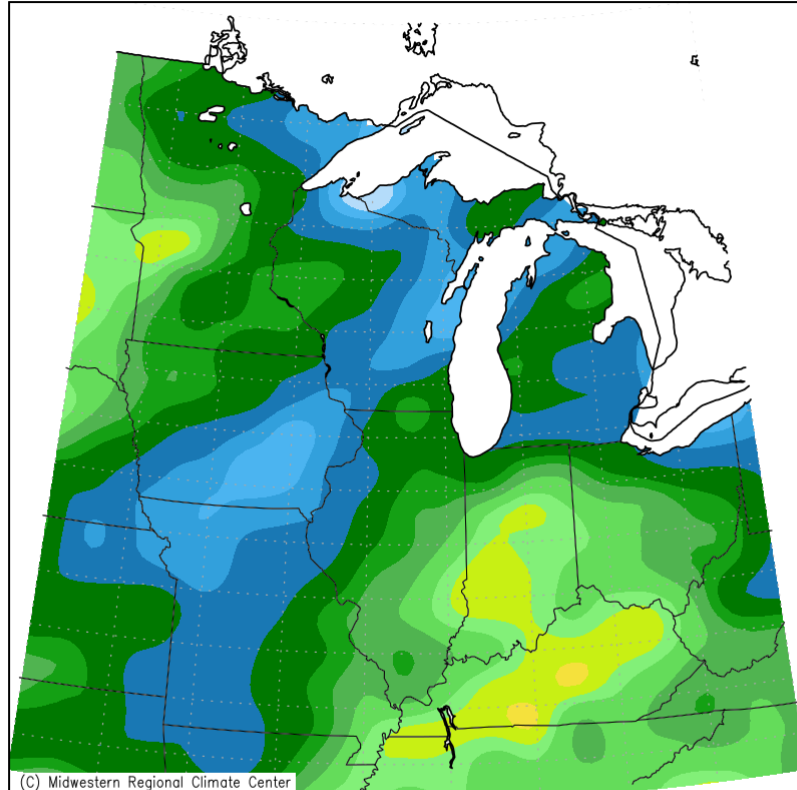
October 2024 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



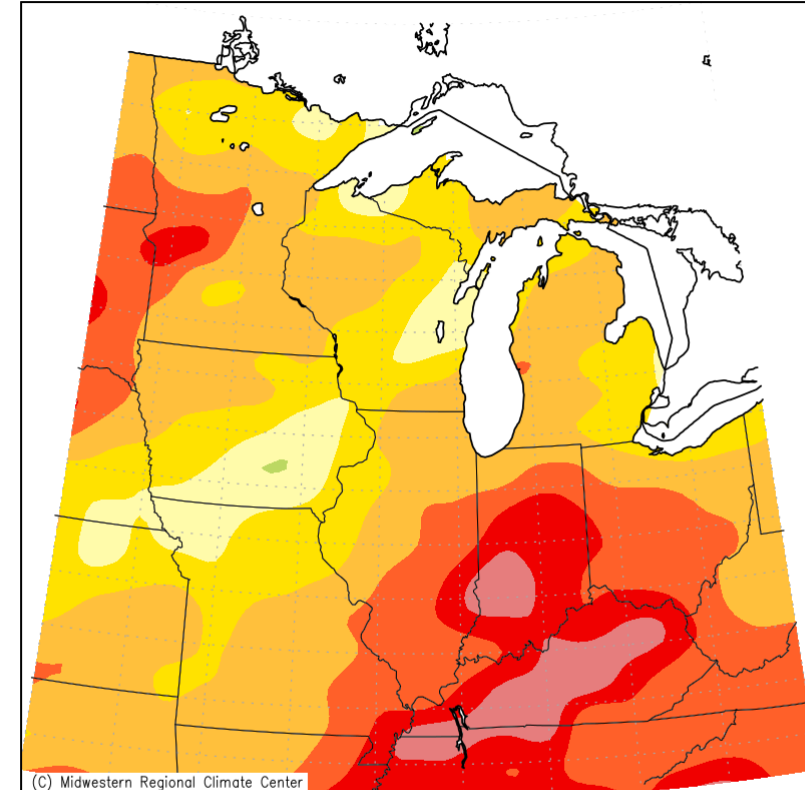
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

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

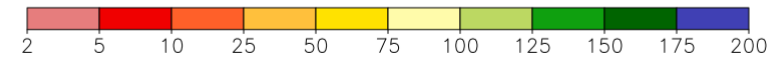


Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

October 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 | 1.01 | 1.63 | 6 | DURAND WWTP | 0.65 | 1.32 | 10 | MONROE 3.0 S | 1.49 | 2.27 | 4 |
| ALGONAC WWTP | 0.64 | 1.88 | 8 | EASTPOINTE 1.2 SSW | 1.06 | 2.46 | 7 | MONROE 5.9 NW | 1.75 | 2.51 | 5 |
| ANN ARBOR 7.1 W | 0.87 | 1.49 | 6 | ECN DETROIT | 1.12 | 2.41 | 9 | NEW BALTIMORE 0.4 SSE | 0.87 | 2.04 | 6 |
| ANN ARBOR SE | 0.88 | 1.50 | 6 | FARMINGTON | 1.18 | 1.94 | 6 | OIL CITY 2S | 0.51 | 0.77 | 6 |
| ANN ARBOR U OF MICH | 0.98 | 1.60 | 6 | FENTON 2.7 SSE | 0.67 | 1.67 | 8 | ORTONVILLE 2.3 S | 0.67 | 1.75 | 6 |
| BAD AXE | 0.60 | 1.86 | 7 | FENTON 5.6 WSW | 0.62 | 1.45 | 7 | OTTAWA LAKE 1.4 SSW | 1.14 | 1.72 | 6 |
| BAD AXE 6.3 SSW | 0.72 | 1.97 | 7 | FENTON 6.2 WSW | 0.56 | 1.22 | 6 | OWOSSO 1.0 NW | 0.65 | 1.38 | 8 |
| BAY PORT 3.2 SSW | 0.77 | 2.03 | 8 | FLINT 7W | 0.78 | 1.39 | 10 | OWOSSO WWTP | 0.73 | 1.61 | 8 |
| BERKLEY 0.6 N | 0.88 | 2.00 | 6 | FLINT FCWOS | 0.43 | 1.22 | 7 | PLYMOUTH 5.4 W | 1.00 | 1.81 | 4 |
| BLOOMFIELD TWP 3.1 SW | 0.90 | 1.94 | 5 | GOODRICH | 0.62 | 1.43 | 8 | PONTIAC WWTP | 0.84 | 1.91 | 6 |
| BURTON 4N | 1.01 | 1.72 | 7 | GROSSE POINTE FARMS | 1.23 | 2.61 | 6 | RICHMOND 4 NNW | 1.10 | 2.20 | 7 |
| CANTON 2.7 N | 1.00 | 1.72 | 8 | HARBOR BEACH 1 SSE | 0.73 | 1.94 | 7 | ROSEVILLE 1.7 ENE | 0.71 | 1.76 | 6 |
| CANTON 3.7 WNW | 0.84 | 1.56 | 8 | HIGHLAND 1.3 NE | 0.76 | 1.77 | 8 | SAGINAW 6.4 W | 1.33 | 1.91 | 6 |
| CASS CITY 1 SSW | 0.68 | 1.50 | 8 | HOLLY 6.6 NE | 0.64 | 1.49 | 7 | SAGINAW 8NW | 1.03 | 1.68 | 5 |
| CHELSEA | 0.86 | 1.34 | 4 | HOWELL 3.7 WSW | 0.78 | 1.16 | 6 | SAGINAW #3 | 1.22 | 2.05 | 8 |
| CHELSEA 3.7 NNE | 0.88 | 1.43 | 6 | LAPEER 2W | 1.17 | 1.97 | 9 | SAGINAW MBS INTL AP | 0.61 | 1.50 | 7 |
| CHESANING | 1.32 | 2.13 | 6 | LAPEER 4.4 SSE | 1.13 | 1.94 | 10 | SALINE 3.8 SSW | 1.36 | 1.95 | 6 |
| CLAWSON 0.5 S | 0.69 | 1.99 | 8 | LAPEER WWTP | 1.28 | 2.07 | 9 | SALINE 4SW | 1.37 | 1.97 | 5 |
| CLINTON 0.5 NE | 1.57 | 2.34 | 6 | LEXINGTON WATER PLANT | 1.00 | 3.16 | 6 | SHELBY 0.4 SSE | 1.00 | 2.28 | 5 |
| DEARBORN HGHTS 1.8 NW | 0.72 | 1.31 | 6 | LINDEN WWTP | 0.60 | 1.51 | 7 | ST CHARLES 5.0 W | 1.14 | 1.94 | 7 |
| DETROIT METRO AIRPORT | 0.89 | 1.44 | 6 | LIVONIA 2.0 NE | 0.90 | 1.47 | 4 | ST CLAIR SHORES 2.5 N | 0.85 | 2.00 | 8 |
| DETROIT WILLOW RUN AP | 0.79 | 1.32 | 6 | MANCHESTER | 1.20 | 1.66 | 5 | WATERFORD 1.1 NE | 0.70 | 1.89 | 8 |
| DEXTER 0.3 ENE | 0.95 | 1.46 | 7 | MIDLAND | 0.69 | 2.01 | 7 | WHITE LAKE 4E | 0.60 | 1.74 | 7 |
| DEXTER 2.2 SE | 1.02 | 1.78 | 7 | MIDLAND 1.5 NNE | 1.17 | 1.94 | 8 | WHITMORE LAKE 1NW | 1.50 | 3.25 | 5 |
| DURAND 6.2 WNW | 0.60 | 1.17 | 7 | MIDLAND 4.4 SW | 1.01 | 1.67 | 6 | WYANDOTTE | 1.17 | 1.73 | 5 |

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 | 4.05 | 2023 | 0.87 | 1948 | 4.45 | 2017 | 0.99 | 2003 |
| 12 | 4.77 | 1893 | 0.81 | 1974 | 3.98 | 1940 | 0.88 | 1966 | 4.45 | 1969 | 0.99 | 1964 |
| 13 | 4.72 | 1877 | 0.83 | 1879 | 3.96 | 1933 | 0.95 | 1924 | 4.28 | 1942 | 1.01 | 1948 |
| 14 | 4.61 | 1959 | 0.86 | 1904 | 3.95 | 1951 | 1.05 | 1930 | 4.19 | 2009 | 1.02 | 1946 |
| 15 | 4.45 | 1955 | 0.94 | 1938 | 3.73 | 1972 | 1.06 | 1965 | 4.11 | 1957 | 1.06 | 1931 |
| 16 | 4.41 | 2019 | 1.01 | 1982 | 3.69 | 2018 | 1.22 | 2024 | 4.04 | 1928 | 1.18 | 1939 |
| 17 | 4.35 | 1925 | 1.01 | 1971 | 3.66 | 1928 | 1.23 | 1953 | 4.03 | 1993 | 1.22 | 1923 |
| 18 | 4.30 | 1911 | 1.04 | 1886 | 3.65 | 1957 | 1.25 | 1958 | 4.01 | 2001 | 1.23 | 2000 |
| 19 | 4.20 | 1906 | 1.05 | 1889 | 3.59 | 2006 | 1.26 | 2008 | 3.99 | 1998 | 1.26 | 1999 |
| 20 | 4.14 | 1991 | 1.06 | 2022 | 3.53 | 1942 | 1.27 | 2002 | 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 2024 – 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

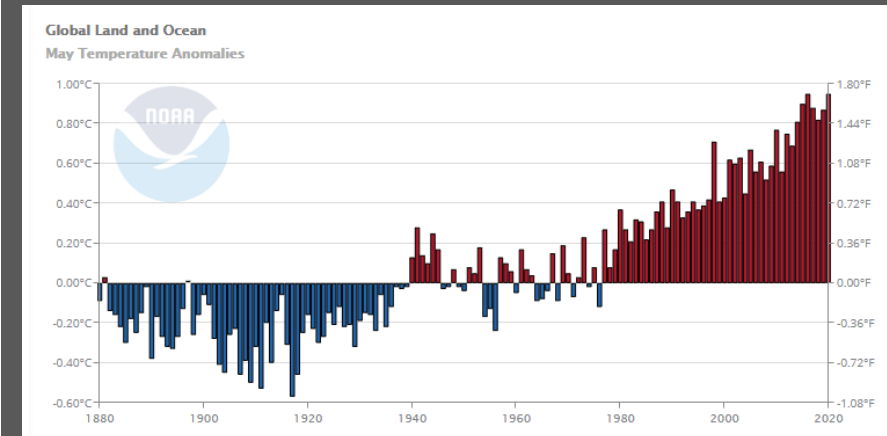
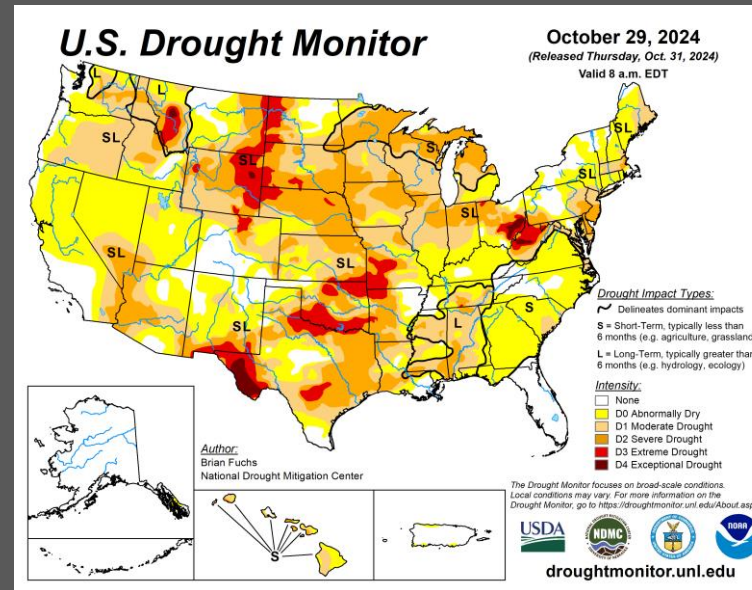
- ✓ Daily data for a month
- Daily almanac
- Monthly summarized data
- Calendar day summaries
- Daily/monthly normals
- Climatology for a day
- First/last dates
- Temperature graphs
- Accumulation graphs

Options Date: 2021-08 **Go**

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.

Powered by **CACIS**
10 Regional Climate Centers

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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!