

Southeast Michigan Climate Summary

Seasonal Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



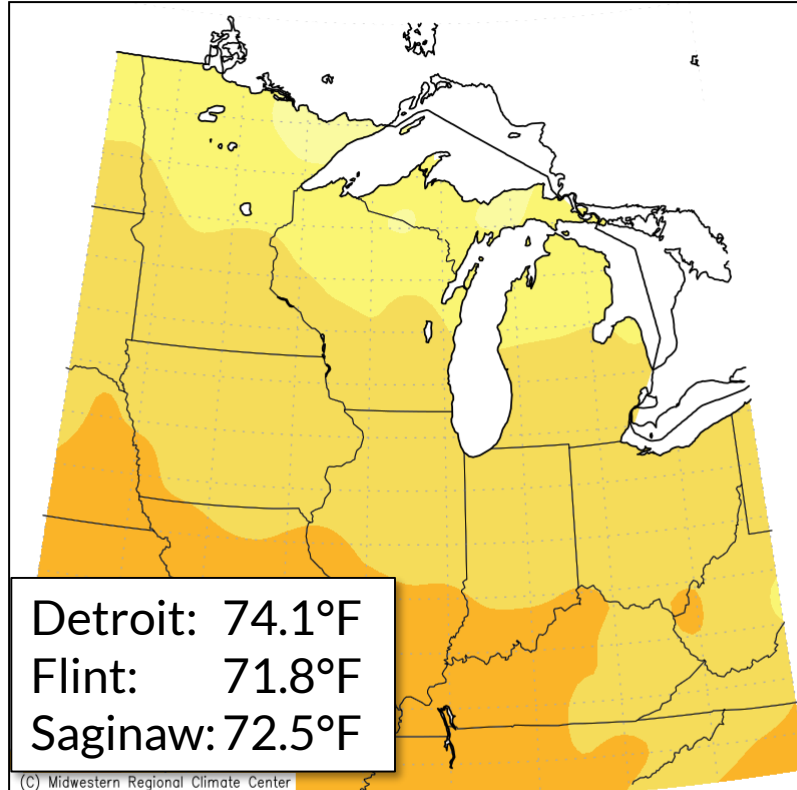
Summer 2020 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



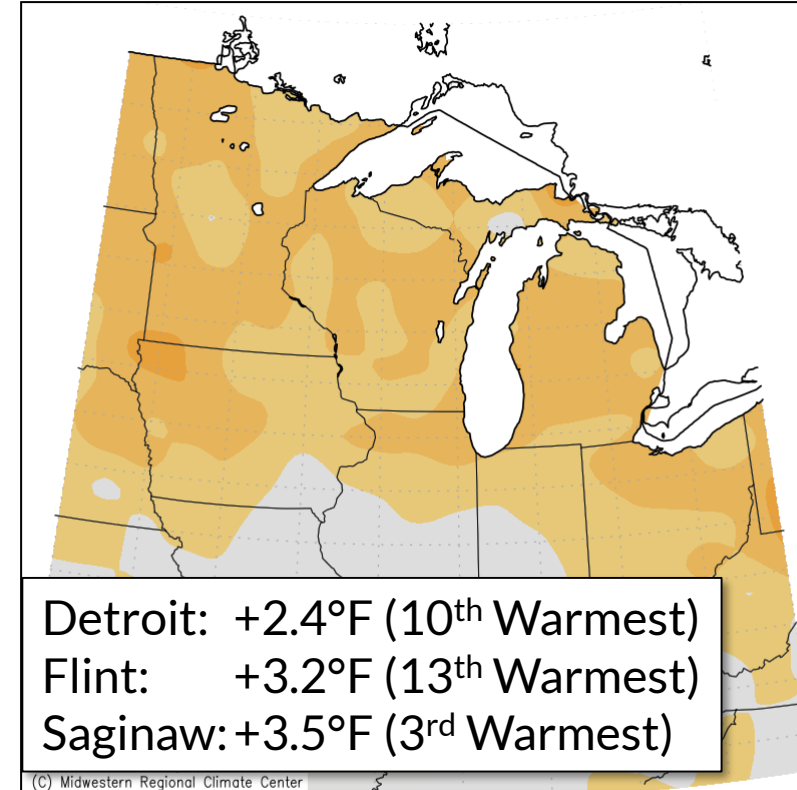
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
June 1, 2020 to August 31, 2020

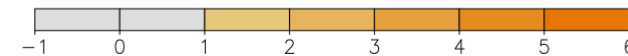


Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana–Champaign

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



Mean period is 1981–2010.



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Summer – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Summers 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	66.5	1915	74.9	2016	65.4	1992	74.2	1933	64.8	1915	73.0	1931
2	67.0	1992	74.8	2012	66.1	2009	74.0	1934	65.1	1992	72.9	1933
3	67.3	1927	74.8	2005	66.2	1958	73.8	2016	65.5	1982	72.5	2020
4	67.5	1875	74.5	1995	66.3	1960	72.7	1936	65.8	1945	72.5	1955
5	67.6	1903	74.5	1955	66.5	1969	72.6	1939	65.9	1950	72.3	1995
6	67.8	1985	74.4	2018	66.6	2004	72.6	1931	65.9	1924	72.1	1930
7	67.9	1912	74.4	2011	66.7	1985	72.3	2010	66.1	1985	72.1	1921
8	67.9	1907	74.4	2010	66.8	1972	72.3	1949	66.4	2009	72.0	2012
9	68.1	1982	74.2	1988	66.8	1967	72.2	1955	66.4	2004	72.0	2010
10	68.2	1972	74.1	2020	66.9	1962	72.0	1935	66.4	1979	72.0	1937
11	68.3	1979	74.0	1933	66.9	1927	71.9	2011	66.5	1977	71.9	1988
12	68.3	1902	73.8	1949	67.0	1982	71.9	1938	66.6	1951	71.9	1936
13	68.3	1891	73.7	1921	67.0	1950	71.8	2020	66.8	1946	71.8	2016
14	68.4	1889	73.6	1952	67.1	1965	71.8	1988	66.9	1965	71.7	1998
15	68.5	1883	73.5	1991	67.1	1945	71.7	2012	66.9	1962	71.5	1934
16	68.7	1917	73.5	1959	67.2	1997	71.7	1987	66.9	1917	71.5	2018
17	68.8	1924	73.5	2002	67.4	1951	71.7	1995	67.0	1958	71.5	1932
18	68.8	1904	73.5	1931	67.4	1957	71.7	2002	67.0	1926	71.4	2011
19	68.9	1967	73.2	1944	67.4	1924	71.7	1943	67.2	1972	71.4	1959
20	69.1	1897	73.0	1987	67.5	2000	71.6	2005	67.3	1981	71.2	1973

* Detroit Area temperature records date back to November 1874.

** Flint Bishop temperature records date back to January 1921.

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

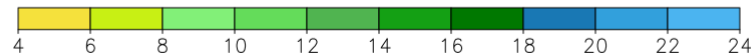
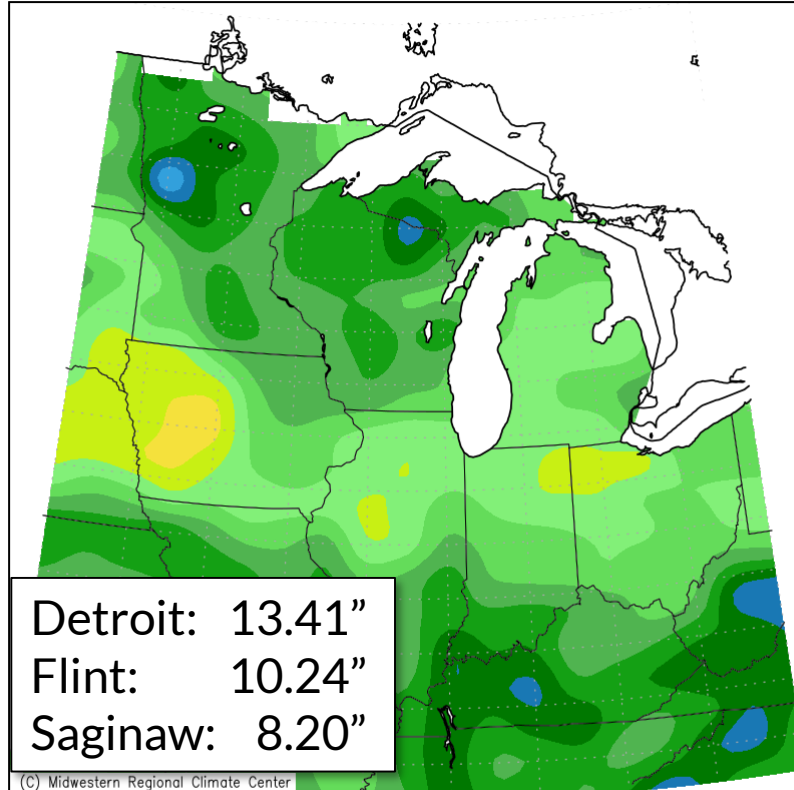
Summer 2020 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



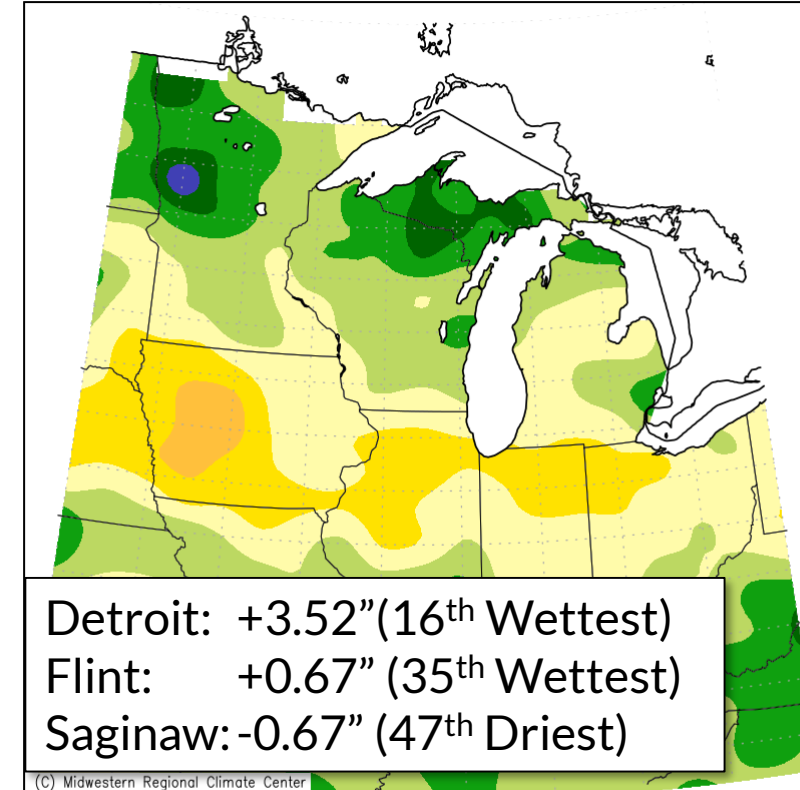
Total Seasonal Precipitation (left) & Percent of Mean (right)

Accumulated Precipitation (in)
June 1, 2020 to August 31, 2020

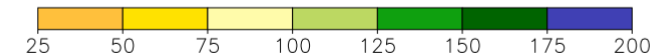


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Accumulated Precipitation: Percent of Mean
June 1, 2020 to August 31, 2020



Mean period is 1981-2010.



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Summer – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Summers 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	16.96	1896	3.58	1911	18.39	1937	3.76	1930	16.28	1928	3.54	1927
2	16.84	1980	4.06	1910	17.64	1975	4.36	1933	15.67	2012	3.80	1929
3	16.13	2013	4.10	1930	15.55	1956	4.56	1929	15.43	1975	4.16	1930
4	16.11	1987	4.85	1894	15.11	1992	4.73	1934	15.06	1995	4.17	1933
5	15.63	1880	4.87	1934	14.68	2009	4.82	1931	14.52	2017	4.42	1934
6	15.33	1915	4.92	1931	14.45	1945	5.00	1998	14.44	1914	4.45	1918
7	15.18	1903	4.99	1984	14.40	2000	5.01	1978	13.96	1994	4.62	1998
8	15.12	1902	5.01	1889	13.54	1986	5.74	1938	13.30	1996	4.69	1941
9	15.04	1878	5.33	1918	13.50	1957	5.85	1936	13.26	1913	4.75	1916
10	14.93	2000	5.39	1899	13.48	1968	5.93	2010	12.42	1915	5.19	1946
11	14.64	1909	5.44	1996	13.11	1989	6.01	1954	12.33	1987	5.66	1936
12	14.43	1966	5.64	1924	12.93	1950	6.03	1939	11.96	2015	5.71	1978
13	14.01	1925	5.72	1929	12.77	1949	6.12	1927	11.73	1940	5.74	1970
14	13.68	1937	5.74	1971	12.75	1994	6.26	1966	11.69	2007	5.77	2003
15	13.66	1877	5.75	1936	12.43	2018	6.29	1963	11.68	1950	5.89	1988
16	13.41	2020	5.82	1895	12.10	1961	6.30	1946	11.64	2008	6.03	1984
17	13.34	1920	5.90	1933	12.04	2014	6.40	1974	11.54	1945	6.04	1983
18	13.02	1875	5.92	1974	11.95	1959	6.47	2001	11.24	2018	6.06	1960
19	12.91	1892	6.38	1952	11.61	1932	6.52	1996	11.16	1981	6.24	2001
20	12.75	2014	6.39	1978	11.53	1972	6.62	1944	11.08	2016	6.32	1931

* 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.

Summer 2020 – Daily Temp/Precip Graphs

Weather Forecast Office
Detroit, MI



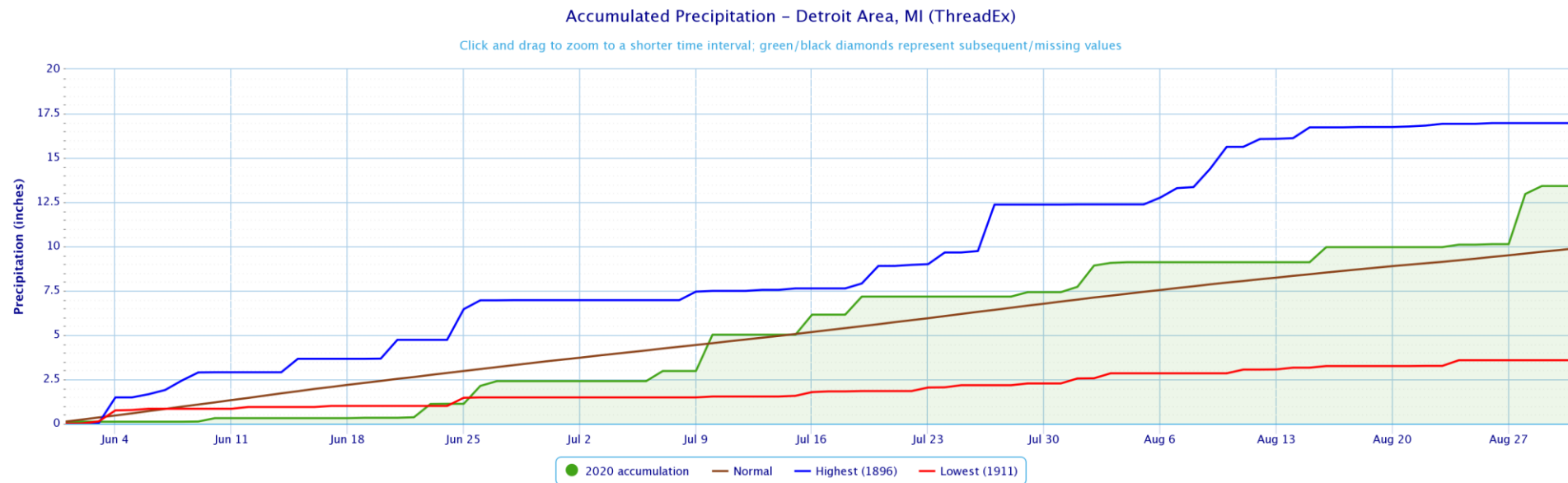
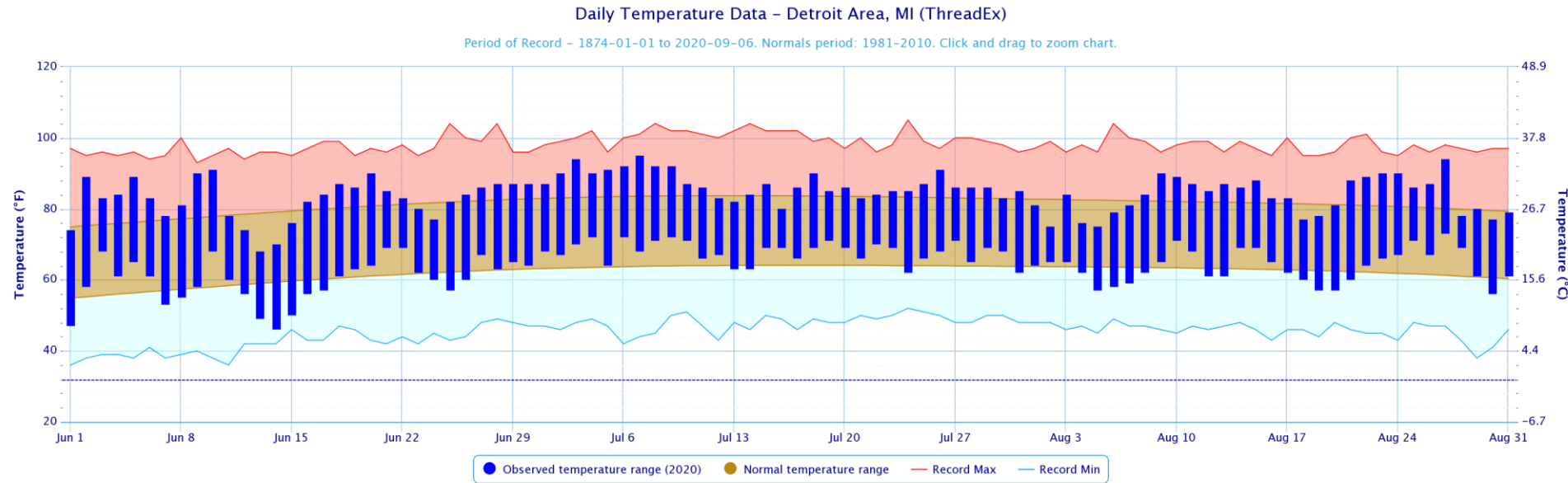
DETROIT

Temperature Stats:

Days at or above 90°F: 17
Highest max: 95°F (Jul 7)
Lowest min: 46°F (Jun 14)
Lowest max: 68°F (Jun 13)
Highest min: 73°F (Aug 27)

Precipitation Stats:

Days with 1" or more: 6
Days with 0.01" or more: 23
Highest 24 hr precip: 2.83"
(Aug 28)



Summer 2020 – Daily Temp/Precip Graphs



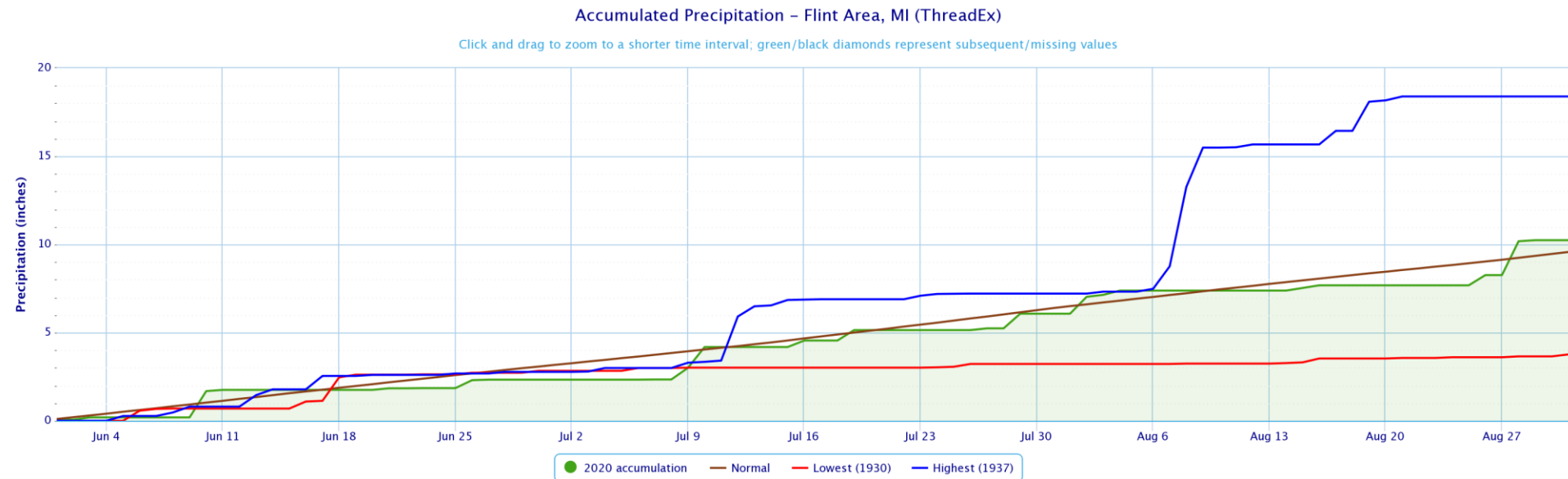
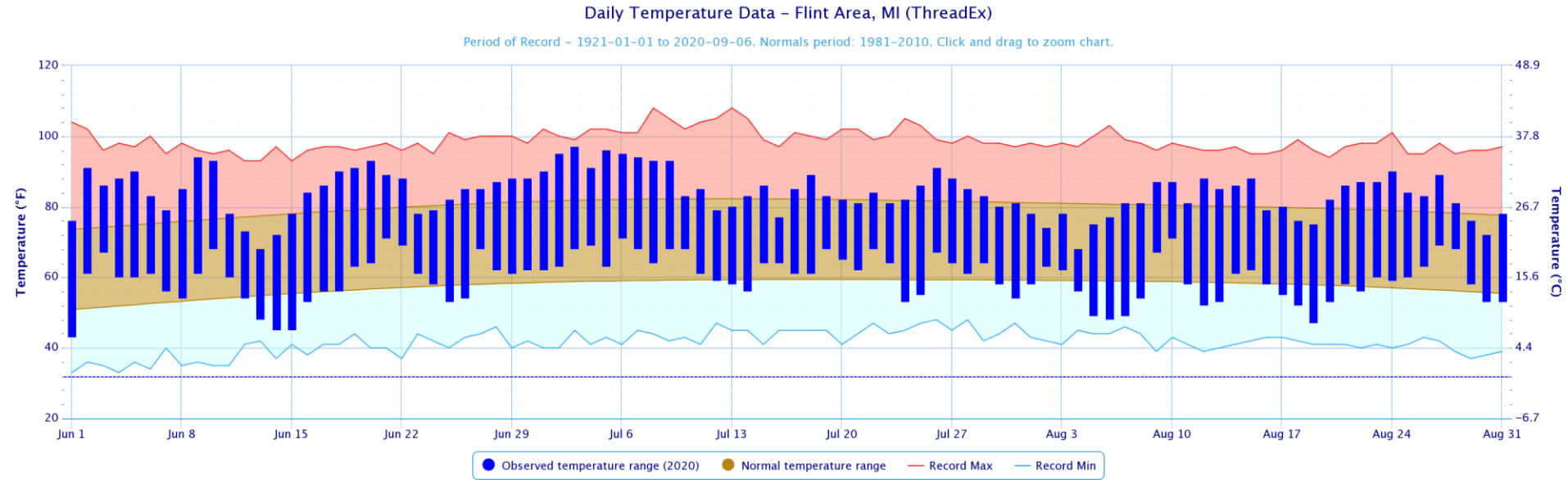
FLINT

Temperature Stats:

Days at or above 90°F: 18
Highest max: 97°F (Jul 3)
Lowest min: 43°F (Jun 1)
Lowest max: 68°F (Jun 13 & Aug 4)
Highest min: 71°F (Jun 21, Jul 6, Aug 10)

Precipitation Stats:

Days with 1" or more: 3
Days with 0.01" or more: 23
Highest 24 hr precip: 1.92" (Aug 28)



Summer 2020 – Daily Temp/Precip Graphs

Weather Forecast Office
Detroit, MI



SAGINAW

Temperature Stats:

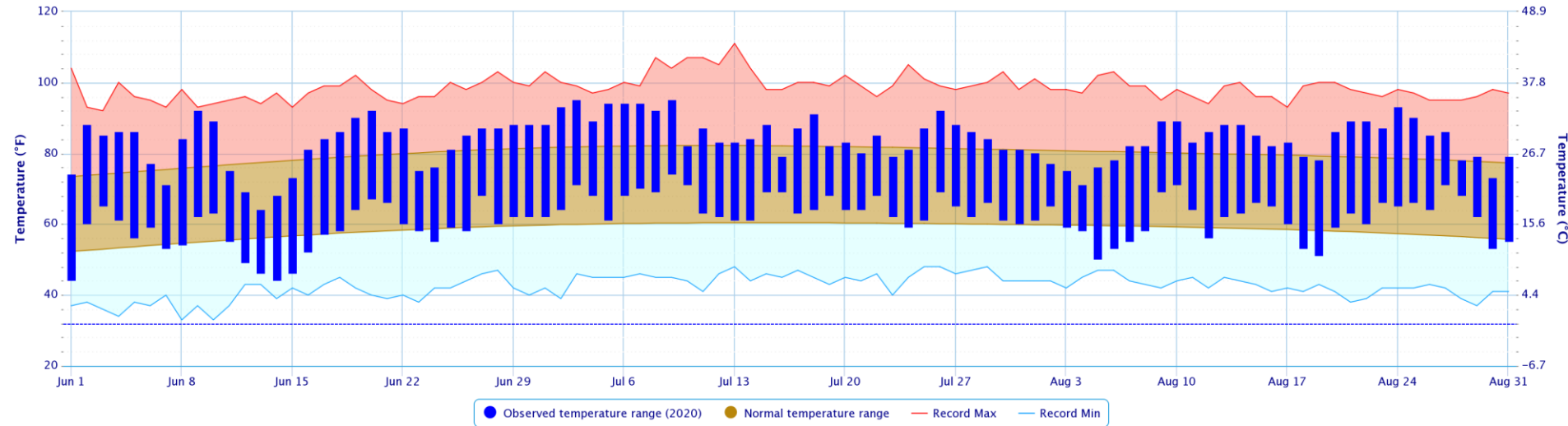
Days at or above 90°F: 14
Highest max: 95°F (Jul 3 & 9)
Lowest min: 44°F (Jun 1 & 14)
Lowest max: 64°F (Jun 13)
Highest min: 74°F (Jul 9)

Precipitation Stats:

Days with 1" or more: 3
Days with 0.01" or more: 24
Highest 24 hr precip: 1.68"
(Jun 10)

Daily Temperature Data – Saginaw Area, MI (ThreadEx)

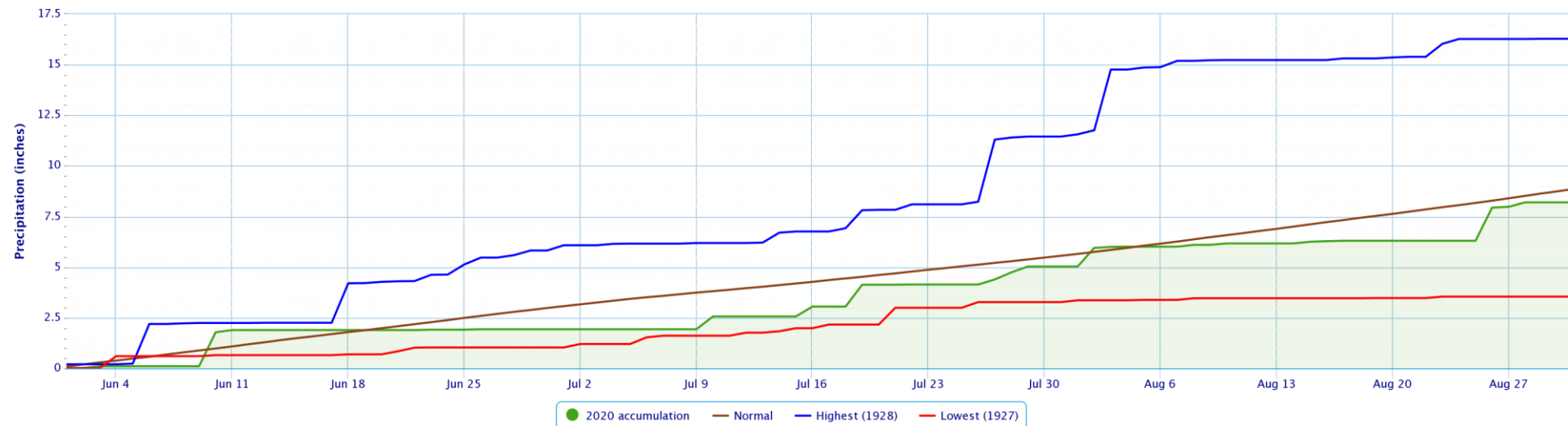
Period of Record – 1912-01-01 to 2020-09-06. Normals period: 1981-2010. Click and drag to zoom chart.



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Accumulated Precipitation – Saginaw Area, MI (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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Summer 2020 - Significant Weather Events

Weather Forecast Office
Detroit, MI



Follow links for web summaries

June 10 Widespread Severe Wind Event

weather.gov/dtx/SevereThunderstorms-06-10-2020

July 19 Severe Thunderstorms

weather.gov/dtx/SevereThunderstorms-07-19-2020

August 28-29 Severe Storms / Heavy Rain

weather.gov/dtx/HeavyRainSevereStorms-08-28-29-2020



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)

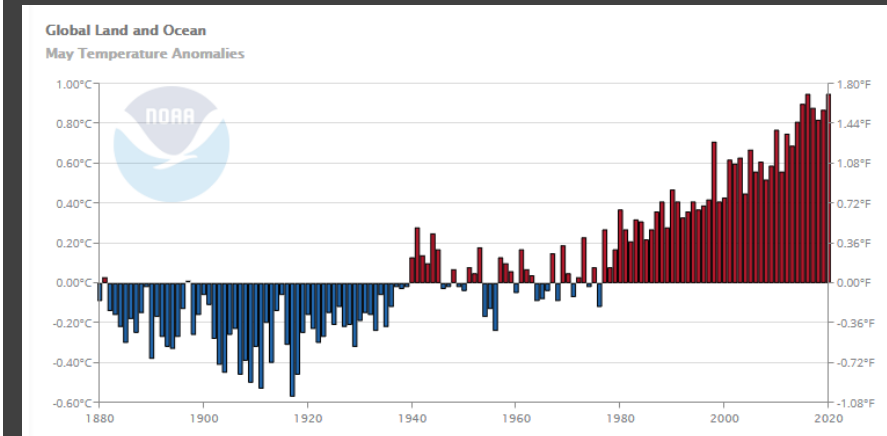
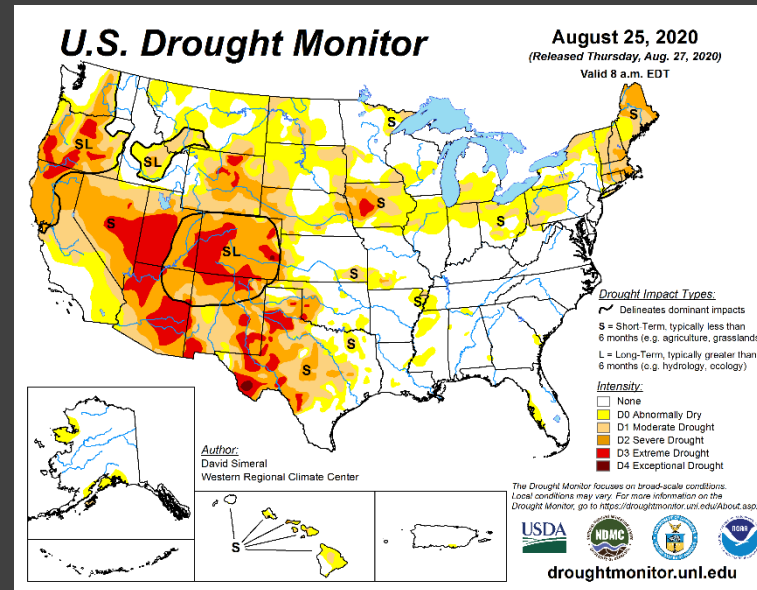
2. Location »
Detroit
Flint
Saginaw

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!