

# Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office  
Detroit, MI



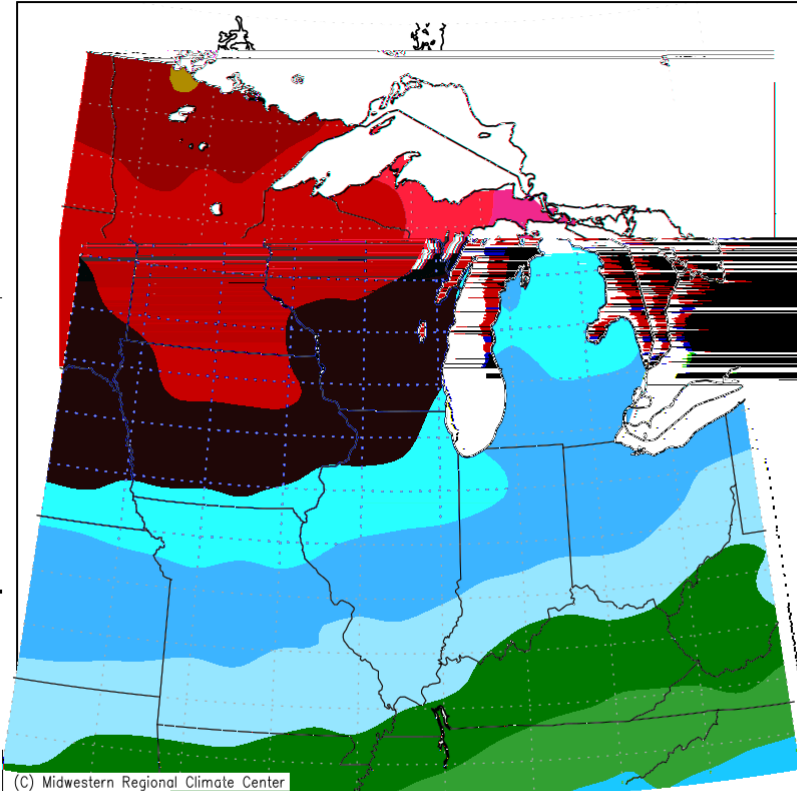
# February 2021 – Regional Temperature Summary

Weather Forecast Office  
Detroit, MI

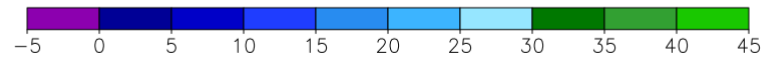


Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)  
February 1, 2021 to February 28, 2021

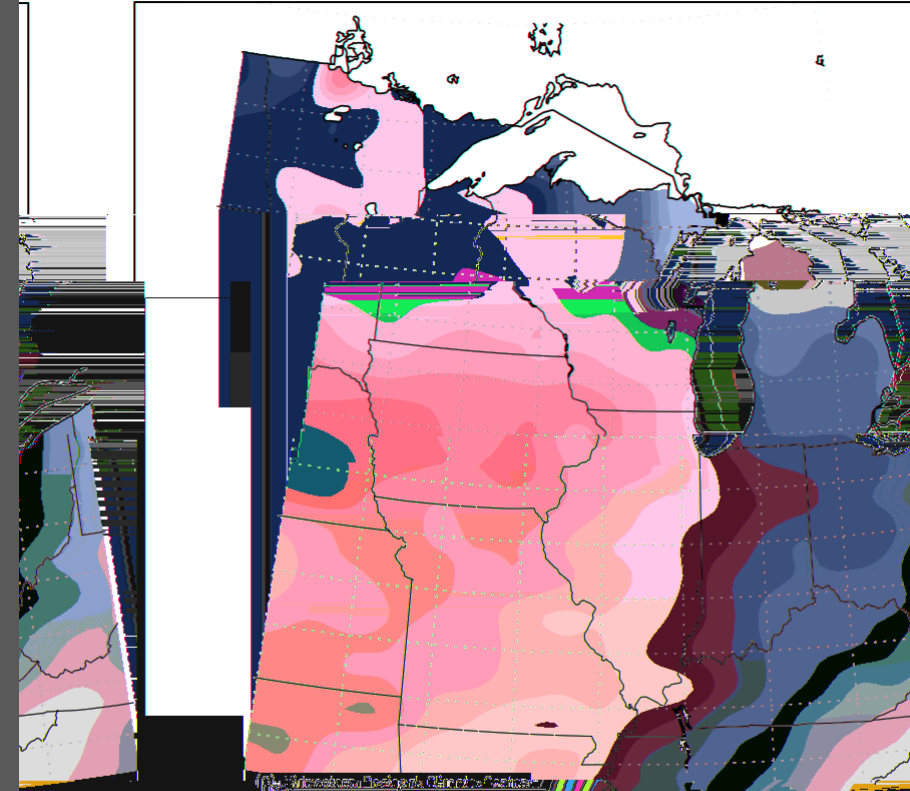


(C) Midwestern Regional Climate Center

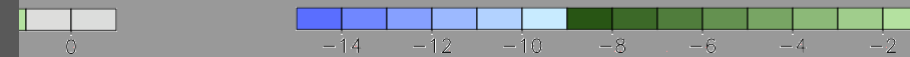


Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign

Average Temperature (°F) & Departure from Average  
February 1, 2021 to February 28, 2021



(C) Midwestern Regional Climate Center  
Near period is 1981-2010.



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

# February 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
ADRIAN LENAWEE COUNTY AP	59	-14	29.0	12.2	20.6
ALGONAC WWTP	52	2	32.3	12.6	22.4
ANN ARBOR MUNICIPAL AP	60	-19	30.2	9.3	19.8
ANN ARBOR SE	53	-10	30.6	10.9	20.8
ANN ARBOR U OF MICH	59	-16	31.5	12.0	21.7
AUBURN 2NE	48	-10	29.4	8.4	18.9
BAD AXE	44	-9	26.1	10.1	18.1
BURTON 4N	49	-17	28.6	8.0	18.3
CARO WWTP	46	-14	27.1	8.4	17.8
CASS CITY 1 SSW	46	-17	27.6	5.7	16.6
CHELSEA	50	-16	28.4	10.4	19.4
DEARBORN NO. 2	54	3	32.2	17.3	24.8
DETROIT CITY AP	59	0	32.4	17.7	25.4
<b>DETROIT METRO AIRPORT</b>	<b>60</b>	<b>-5</b>	<b>31.1</b>	<b>15.6</b>	<b>23.3</b>
DETROIT WILLOW RUN AP	63	-7	33.4	15.9	24.6
DUNDEE	50	-4	29.3	13.0	21.1
DURAND WWTP	49	-18	28.2	9.3	18.6
FARMINGTON	53	-6	29.0	11.7	20.3
FILION 5NNW	45	-1	30.7	16.3	23.5
FLINT 7W	47	-12	27.2	9.2	18.2
<b>FLINT FCWOS</b>	<b>58</b>	<b>-18</b>	<b>29.8</b>	<b>11.3</b>	<b>20.6</b>
FRANKENMUTH 1SE	44	-17	26.3	8.3	17.3
GOODRICH	48	-13	28.8	10.5	19.6

Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg
GROSSE POINTE FARMS	54	3	28.8	14.6	21.7
HARBOR BEACH 1 SSE	46	-2	27.2	12.4	19.8
LAPEER 2W	48	-14	27.9	10.9	19.4
LAPEER WWTP	49	-14	28.6	9.8	19.2
LEXINGTON WATER PLANT	50	-2	28.8	12.4	20.6
LINDEN WWTP	48	-12	28.1	11.3	19.7
MANCHESTER	52	-14	30.0	8.9	19.4
MIDLAND	48	-6	28.7	12.8	20.8
MORENCI	51	-13	30.8	8.5	19.6
NEWPORT 4SSE	48	-6	28.6	13.5	21.1
OWOSSO WWTP	47	-11	28.6	8.3	18.5
PONTIAC INTL AP	49	-9	27.5	12.1	19.8
PONTIAC WWTP	53	-3	29.5	13.6	21.5
PORT HOPE	46	0	28.7	16.4	22.5
PORT HURON	51	3	31.0	18.0	24.5
RICHMOND 4 NNW	51	-17	28.9	11.5	20.2
SAGINAW #3	47	-11	28.2	9.9	19.0
<b>SAGINAW MBS INTL AP</b>	<b>47</b>	<b>-6</b>	<b>28.1</b>	<b>12.4</b>	<b>20.3</b>
SALINE 4SW	53	-8	30.8	12.4	21.6
TECUMSEH	53	-11	32.4	10.0	21.2
TIPTON 2WNW	53	-10	30.8	9.6	20.2
WHITE LAKE 4E	55	-15	28.0	9.3	18.6
WHITMORE LAKE 1NW	53	-16	30.3	9.7	20.0

# February – Top 20 Coldest/Warmest on Record

Weather Forecast Office  
Detroit, MI



## Top 20 Coldest/Warmest Februaries 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	12.2	1875	39.5	1882	11.3	2015	34.5	1998	11.5	2015	33.6	2017
2	14.1	2015	37.9	2017	12.8	1979	34.4	2017	12.1	1979	33.4	1998
3	14.8	1934	36.7	1998	13.4	1978	31.8	1983	13.0	1914	31.5	1984
4	16.0	1936	33.8	1930	14.9	1963	31.2	1984	13.2	1963	30.7	1932
5	16.1	1904	33.6	1877	16.0	2014	31.1	1930	13.4	1934	30.7	1930
6	16.3	1978	33.5	1954	16.4	1936	31.1	1932	13.6	1978	30.6	1931
7	16.4	1979	33.3	1984	17.1	1934	31.1	1927	13.6	1936	30.5	1999
8	16.5	1901	33.3	1976	17.3	2007	31.0	2012	14.3	1917	30.3	2012
9	17.2	1885	33.0	1932	18.3	1967	31.0	1976	15.5	2014	29.9	1954
10	17.6	1914	32.9	2002	18.4	1994	31.0	1931	16.8	2007	29.2	2016
11	17.9	1905	32.8	1931	18.5	1923	30.9	1999	16.9	1962	29.1	1983
12	17.9	1895	32.7	1999	18.7	1958	30.8	1954	16.9	1994	29.0	1938
13	18.3	1912	32.6	2012	19.9	1942	30.1	1938	16.9	1912	28.9	1976
14	18.8	1963	32.6	1890	20.0	1962	30.0	2002	17.1	1923	28.8	2002
15	19.3	2007	32.1	1953	20.0	1959	29.8	2016	17.4	1916	28.3	2000
16	19.4	2014	32.1	1880	20.1	1988	29.4	1992	17.8	1920	28.2	1921
17	19.5	1917	31.8	2000	20.2	1982	29.3	2000	18.5	2003	28.1	1927
18	19.8	1899	31.8	1927	20.3	1980	29.2	1991	18.6	1967	28.1	1915
19	19.8	1889	31.6	1983	20.3	1929	28.8	1953	18.9	1958	28.0	1991
20	20.7	1982	31.2	2016	20.5	2003	28.7	1987	18.9	1913	28.0	1987

\* Detroit Area temperature records date back to January 1874.

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

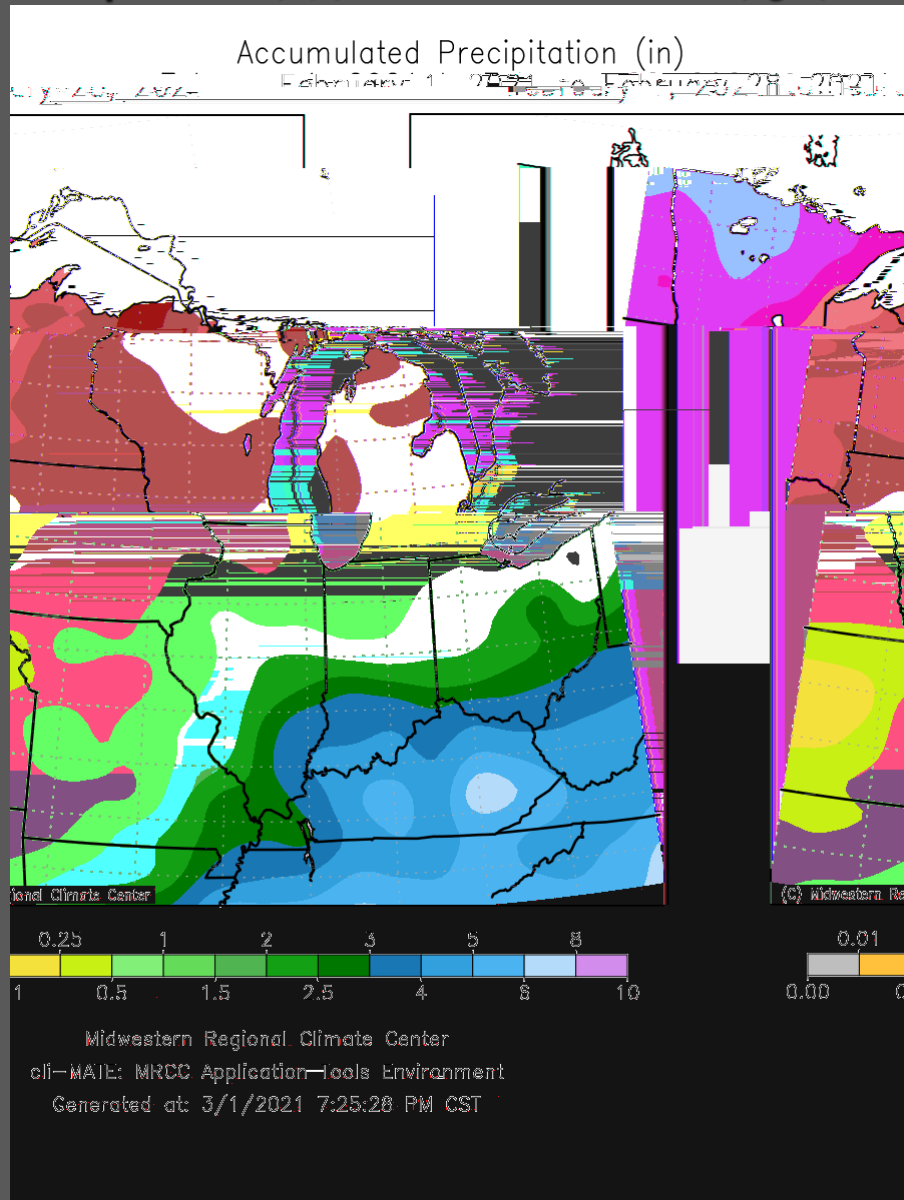
\*\*\* Saginaw Area temperature records date back to January 1912.

# February 2021 – Regional Precipitation Summary

Weather Forecast Office  
Detroit, MI



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



# February 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	Location	Highest Daily Total	Monthly Total	# of Days with Precip
ADRIAN LENAWEE AP	0.12	0.52	12	DURAND 6.2 WNW	0.56	1.49	15	ORTONVILLE 2.3 S	0.57	1.41	15
ALGONAC WWTP	0.55	1.73	15	DURAND WWTP	0.36	1.01	13	OTTAWA LAKE 1.4 SSW	0.58	1.41	11
ANN ARBOR 3.1 SE	0.61	1.30	11	FARMINGTON	0.45	1.31	11	PLEASANT RDG 0.5 WNW	0.41	1.50	14
ANN ARBOR 4.5 W	0.40	1.25	11	FENTON 2.7 SSE	0.53	1.34	14	PLYMOUTH 5.4 W	0.62	1.66	13
ANN ARBOR 7.1 W	0.47	1.38	14	FENTON 6.2 WSW	0.40	1.03	13	PLYMOUTH 6.3 W	0.34	1.17	13
ANN ARBOR AP	0.17	0.59	11	FLINT 7W	0.39	1.46	16	PONTIAC WWTP	0.47	1.38	11
ANN ARBOR SE	0.69	1.92	16	<b>FLINT FCWOS</b>	<b>0.34</b>	<b>1.65</b>	<b>18</b>	PORT HOPE	0.23	1.50	16
ANN ARBOR U OF MICH	0.67	2.02	18	FRASER 1.2 N	0.62	1.43	11	PORT HURON	0.30	1.32	12
AUBURN 2NE	0.23	0.96	8	GOODRICH	0.38	0.92	14	PORT HURON 1.6 W	0.45	1.31	15
BAY PORT 3.2 SSW	0.30	1.11	13	GRAND BLANC 2.9 SE	0.86	1.67	14	RICHMOND 4 NNW	0.51	1.41	12
BURTON 4N	0.66	1.84	15	GROSSE ILE 1.6 N	0.40	1.31	17	ROSEVILLE 1.7 ENE	0.46	1.61	13
CANTON 2.7 N	0.40	1.31	14	HIGHLAND 1.3 NE	0.65	1.60	14	SAGINAW 8NW	0.24	0.92	11
CASS CITY 1 SSW	0.47	1.43	12	LAPEER 2W	0.72	1.88	17	SAGINAW #3	0.33	1.47	15
CHELSEA	0.42	1.16	10	LAPEER WWTP	0.65	1.57	14	<b>SAGINAW MBS INTL AP</b>	<b>0.22</b>	<b>1.05</b>	<b>13</b>
CHELSEA 3.7 NNE	0.51	1.35	11	LEXINGTON WWTP	0.64	1.63	11	SALINE 4SW	0.60	1.31	10
CHESANING	0.44	1.56	14	LIVONIA 2.0 NE	0.35	1.16	12	SHELBY 0.4 SSE	0.38	1.30	11
CHESTERFIELD 2.4 E	0.51	1.27	13	MANCHESTER	0.51	1.48	12	UTICA 2.9 E	0.27	0.79	12
CLINTON 0.5 NE	0.51	1.12	13	MIDLAND	0.21	1.08	8	VASSAR	0.54	1.26	14
DAVISBURG 1.3 ESE	0.49	1.38	13	MIDLAND 1.5 NNE	0.50	1.35	13	WATERFORD 2.1 NW	0.27	1.00	14
DAVISON 5.2 N	0.34	0.84	12	MIDLAND 2.9 SW	0.34	1.33	10	WHITE LAKE 0.5 E	0.37	1.30	14
DEARBORN HGHTS 1.8 NW	0.49	1.60	16	MILLINGTON 3 SE	0.50	1.21	13	WHITE LAKE 4E	0.30	1.52	17
DEARBORN NO. 2	0.35	1.06	13	MONROE 3.0 S	0.60	1.32	13	WHITMORE LAKE 1NW	0.70	1.26	12
DETROIT CITY AP	0.12	0.45	9	MORENCI	0.45	1.45	13	WYANDOTTE	0.58	1.59	14
<b>DETROIT METRO AIRPORT</b>	<b>0.38</b>	<b>1.47</b>	<b>15</b>	NEW BALTIMORE 0.4 SSE	0.50	1.26	13	YPSILANTI 1.2 WSW	0.68	1.65	12
DEXTER 2.2 SE	0.49	1.43	14	NEWPORT 4SSE	0.63	1.33	10	YPSILANTI 2.5 SSE	0.53	1.47	14

# February – Top 20 Wettest/Driest on Record

Weather Forecast Office  
Detroit, MI



## Top 20 Wettest/Driest Februaries 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	6.41	1881	0.04	1877	5.28	1954	0.17	1969	6.10	1997	0.21	1969
2	5.59	1876	0.15	1969	5.13	1938	0.25	1934	4.33	1938	0.24	1947
3	5.02	1990	0.22	1895	4.02	2018	0.27	1963	4.09	1990	0.32	1964
4	4.95	1938	0.38	1947	3.52	2001	0.29	2007	3.55	1950	0.34	1963
5	4.95	1908	0.45	1978	3.52	1950	0.34	1979	3.13	2008	0.39	1984
6	4.85	1950	0.47	1934	3.12	1997	0.37	1958	3.06	1935	0.41	1979
7	4.70	1939	0.52	1964	3.01	1985	0.42	1987	3.03	2009	0.42	2007
8	4.30	1900	0.53	1987	2.77	1949	0.51	1978	3.02	1965	0.43	2020
9	4.27	2018	0.55	1941	2.59	1990	0.52	1989	2.98	1918	0.44	1942
10	4.26	1909	0.57	1979	2.57	2009	0.52	1984	2.83	1954	0.46	1917
11	4.16	1887	0.61	1907	2.50	1924	0.55	1964	2.79	1998	0.47	1982
12	4.05	1926	0.63	2004	2.45	2005	0.55	1947	2.74	2001	0.47	1934
13	4.05	1893	0.66	2003	2.42	2017	0.56	1970	2.69	2018	0.49	2003
14	3.90	1997	0.67	1958	2.37	2019	0.60	2003	2.69	1939	0.49	1995
15	3.83	1985	0.70	1963	2.36	2011	0.66	2004	2.64	1960	0.51	1987
16	3.61	2008	0.72	1902	2.35	2008	0.66	1982	2.62	1985	0.59	1978
17	3.60	2011	0.76	1889	2.32	1971	0.68	1991	2.61	1930	0.60	1983
18	3.56	1998	0.77	1989	2.27	1976	0.70	1977	2.56	1974	0.72	1920
19	3.56	1918	0.82	2007	2.21	2016	0.71	1941	2.51	1959	0.73	1989
20	3.48	1954	0.82	1953	2.21	1930	0.71	1929	2.39	1915	0.73	1977

\* Detroit Area precipitation records date back to November 1874.

\*\* Flint Bishop precipitation records date back to January 1921.

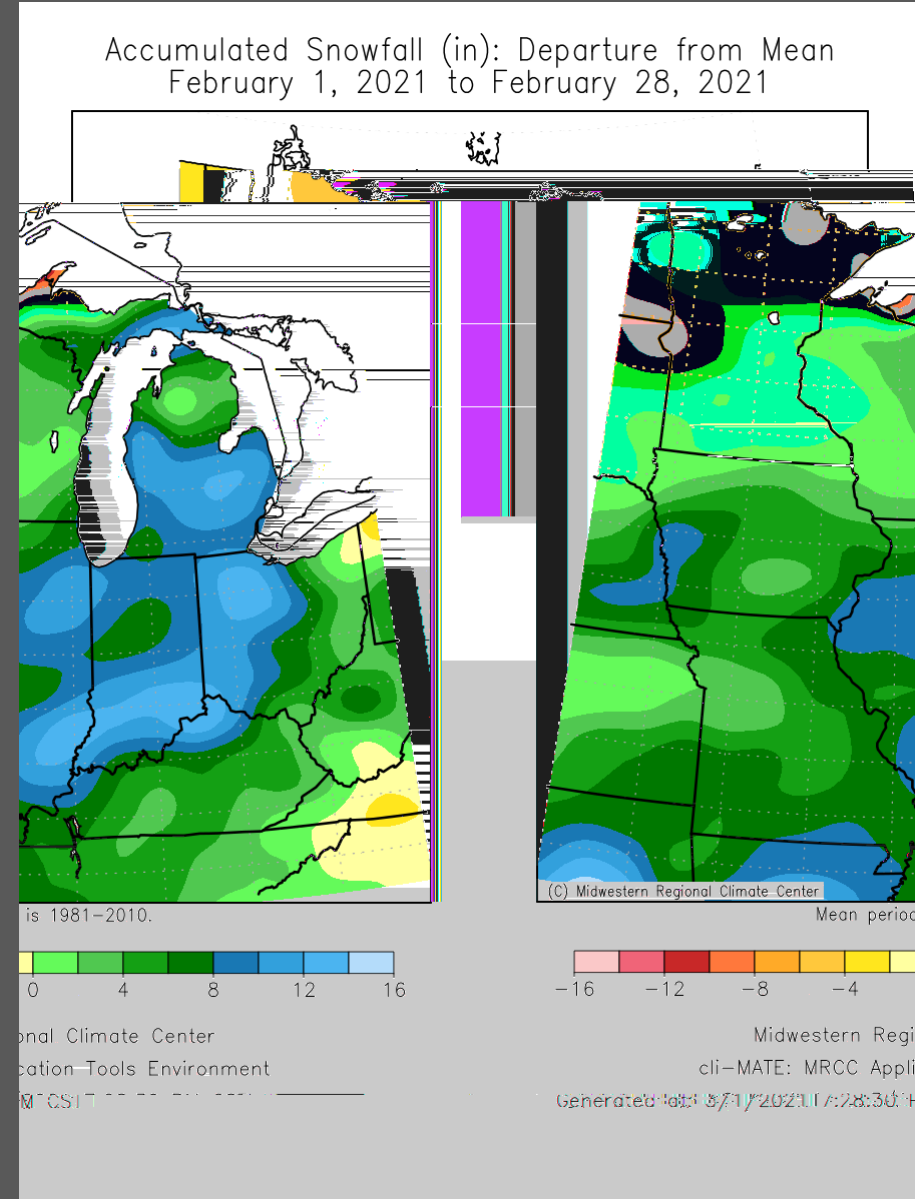
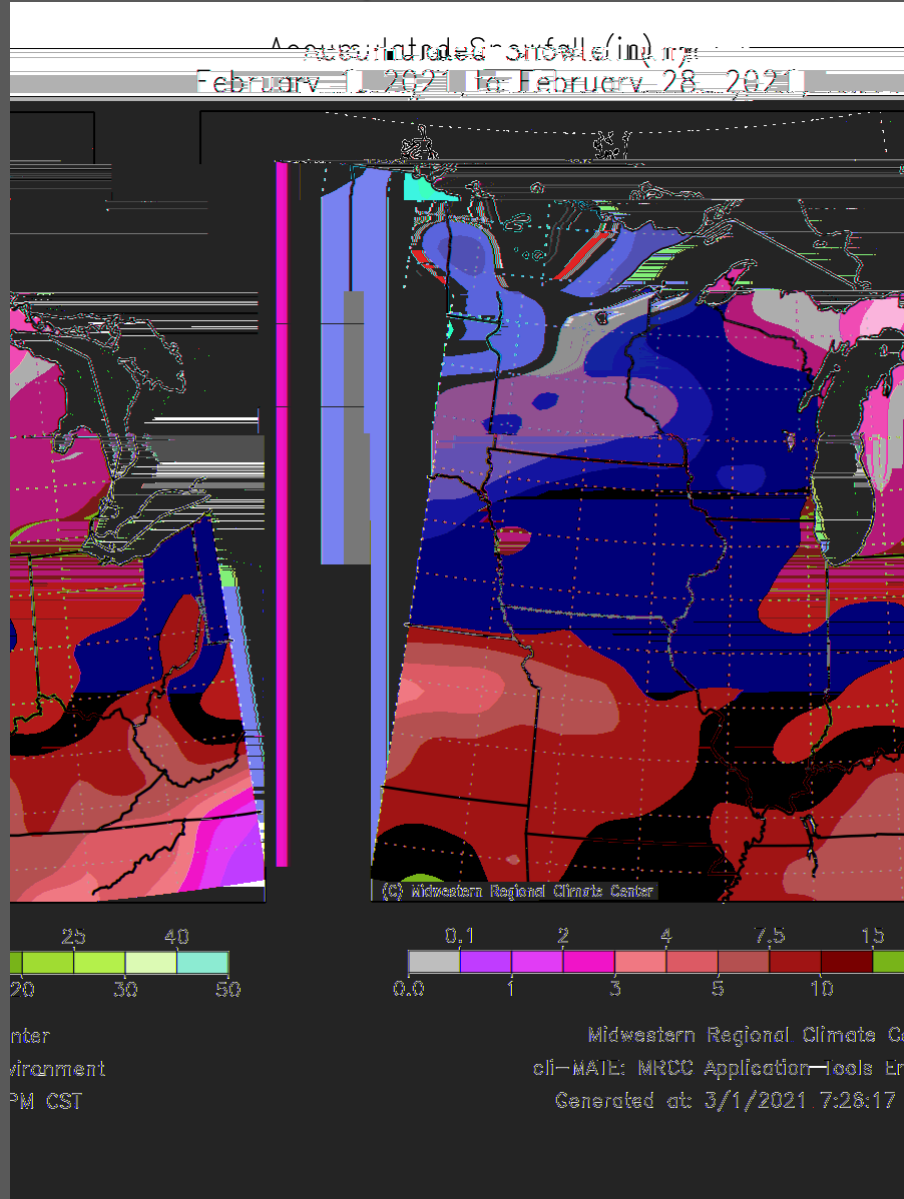
\*\*\* Saginaw Area precipitation records date back to January 1912.

# February 2021 – Regional Snowfall Summary

Weather Forecast Office  
Detroit, MI



Total Monthly Snowfall (left) & Departure from Normal (right)





# February 2021 – SE Michigan Snowfall Summary

Weather Forecast Office  
Detroit, MI



Highest daily total, monthly total, and total number of days of measureable snow (in.)

Location	Highest Daily Total	Monthly Total	# of Days with Snow	Location	Highest Daily Total	Monthly Total	# of Days with Snow	Location	Highest Daily Total	Monthly Total	# of Days with Snow
ALGONAC WWTP	10.0	23.5	11	FRMNGTN HLS 1.4 N	6.7	20.8	10	NEW BALTIMORE 0.4 SSE	10.0	19.6	10
ANN ARBOR 3.1 SE	6.8	16.3	11	FRMNGTN HLS 2.3 WNW	8.0	19.8	9	NEWPORT 4SSE	10.6	21.7	14
ANN ARBOR 4.5 W	6.8	16.6	10	FENTON 6.2 WSW	7.5	18.1	14	OIL CITY 2S	3.8	11.6	9
ANN ARBOR 7.1 W	6.5	15.9	12	FILION 5NNW	5.1	20.3	14	ORTONVILLE 2.3 S	6.9	16.4	12
ANN ARBOR SE	7.4	21.9	18	FLINT 7W	9.4	29.6	18	OTTAWA LAKE 1.4 SSW	8.0	15.7	10
ANN ARBOR U OF MICH	7.3	22.8	18	<b>FLINT FCWOS</b>	<b>6.7</b>	<b>29.7</b>	<b>18</b>	OWOSSO WWTP	4.6	16.0	14
AUBURN 2NE	4.7	15.9	14	FRANKENMUTH 1SE	7.3	16.7	9	PLEASANT RDG 0.5 WNW	3.5	13.2	10
BAD AXE	3.5	13.3	13	FRASER 1.2 N	2.0	10.8	8	PLYMOUTH 5.4 W	6.9	17.2	11
BAY PORT 3.2 SSW	5.0	15.5	12	GOODRICH	7.9	17.1	15	PONTIAC WWTP	7.0	18.9	13
BLOOMFIELD TWP 3.1 SW	7.0	20.6	12	GRAND BLANC 2.9 SE	8.2	21.9	15	PORT HURON 2.8 WSW	17.0	28.0	7
BURTON 4N	8.3	29.4	14	HARBOR BEACH 1 SSE	6.8	17.7	12	RICHMOND 4 NNW	9.7	22.3	11
CANTON 2.7 N	4.3	14.6	12	HIGHLAND 1.3 NE	7.4	18.3	11	SAGINAW 6.4 W	4.5	15.7	12
CARO WWTP	9.5	20.7	12	LAPEER 2W	9.3	21.1	15	SAGINAW 8NW	4.1	15.2	14
CASS CITY 1 SSW	7.0	19.7	12	LAPEER WWTP	8.0	19.5	12	SAGINAW #3	5.0	16.0	13
CHELSEA	6.6	15.1	10	LEXINGTON WWTP	7.0	18.4	10	<b>SAGINAW MBS INTL AP</b>	<b>3.5</b>	<b>18.1</b>	<b>16</b>
CHELSEA 3.7 NNE	6.3	15.4	10	LINDEN WWTP	6.5	11.8	7	SALINE 3.8 SSW	5.2	11.7	9
CHESANING	6.5	16.4	12	LIVONIA 2.0 NE	3.5	12.4	9	SALINE 4SW	6.0	15.0	9
CLINTON 0.5 NE	8.2	16.5	12	LIVONIA 2.3 NNW	4.8	16.8	15	SHELBY 0.4 SSE	6.0	17.2	10
DAVISON 5.2 N	7.1	11.9	11	MIDLAND	4.0	15.5	8	TIPTON 2WNW	7.3	18.1	10
DEARBORN	5.0	13.0	8	MIDLAND 1.5 NNE	5.5	16.4	11	VASSAR	10.2	23.1	15
DEARBORN NO. 2	7.2	18.2	11	MIDLAND 2.9 SW	5.1	16.1	10	WATERFORD 2.1 NW	6.5	19.2	13
<b>DETROIT METRO AIRPORT</b>	<b>7.2</b>	<b>21.8</b>	<b>16</b>	MILLINGTON 3 SE	11.8	22.6	13	WHITE LAKE 0.5 E	17.0	25.2	10
DURAND 6.2 WNW	7.0	20.5	15	MONROE 3.0 S	10.7	19.3	12	WHITE LAKE 4E	4.6	22.1	16
DURAND WWTP	6.0	14.5	8	MORENCI	5.9	14.2	10	WHITMORE LAKE 1NW	6.5	13.6	11
FARMINGTON	5.7	16.3	10					WYANDOTTE	9.0	22.8	14

# February – Top 20 Snowiest/Least Snowy on Record

Weather Forecast Office  
Detroit, MI



## Top 20 Snowiest/Snowless Februaries in Southeast Lower Michigan (in.)

Rank	Detroit Area*				Flint Bishop**				Saginaw Area***			
	Snowiest		Snowless		Snowiest		Snowless		Snowiest		Snowless	
	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year
1	38.4	1908	0.0	1998	31.7	2011	0.4	1998	34.2	2008	0.0	1987
2	31.7	2011	0.7	1953	29.7	2021	1.4	1992	29.4	2011	0.1	1984
3	28.4	1881	0.9	2004	29.4	2008	1.9	2017	23.4	1935	0.5	1998
4	28.0	1900	1.5	1895	22.7	2016	2.2	1987	22.2	2013	1.4	1983
5	27.6	1926	1.6	1906	21.8	2018	2.4	1953	20.3	1965	1.9	2017
6	27.0	2010	2.0	1987	21.8	2014	2.4	1937	20.0	1912	1.9	1977
7	26.4	2015	2.1	1882	21.2	2010	2.9	1969	19.8	1985	2.0	1932
8	24.2	2008	2.2	2017	20.8	1990	2.9	1943	18.6	1926	2.1	1980
9	23.5	2013	2.2	1915	20.6	1986	3.0	1979	18.4	1990	2.2	1947
10	23.4	2014	2.3	1969	20.1	1994	3.0	1934	18.3	2010	2.4	1942
11	21.8	2021	2.4	1992	19.7	1965	3.5	1945	18.1	2021	2.5	1969
12	21.0	2018	2.4	1937	19.6	1988	3.6	1984	18.0	2016	2.6	1928
13	20.8	1986	2.5	1966	18.8	2020	3.6	1938	18.0	2005	3.1	1995
14	19.6	1898	2.6	1891	18.3	1946	3.8	1977	17.7	1924	3.2	1919
15	19.2	2003	2.7	1943	17.4	2015	4.1	1928	17.5	1950	3.4	1958
16	19.2	1988	2.8	1968	17.2	1960	4.5	1957	17.1	1956	3.5	1963
17	18.0	1893	2.8	1925	17.0	1924	4.8	1983	17.0	2014	3.7	1957
18	17.1	1994	2.9	2001	16.7	1973	4.9	1932	17.0	2012	3.7	1917
19	16.9	1985	3.1	1949	16.6	2013	5.0	2001	16.2	1962	3.8	1913
20	16.5	1936	3.1	1919	16.5	1926	5.1	1921	16.2	2015	4.0	1964

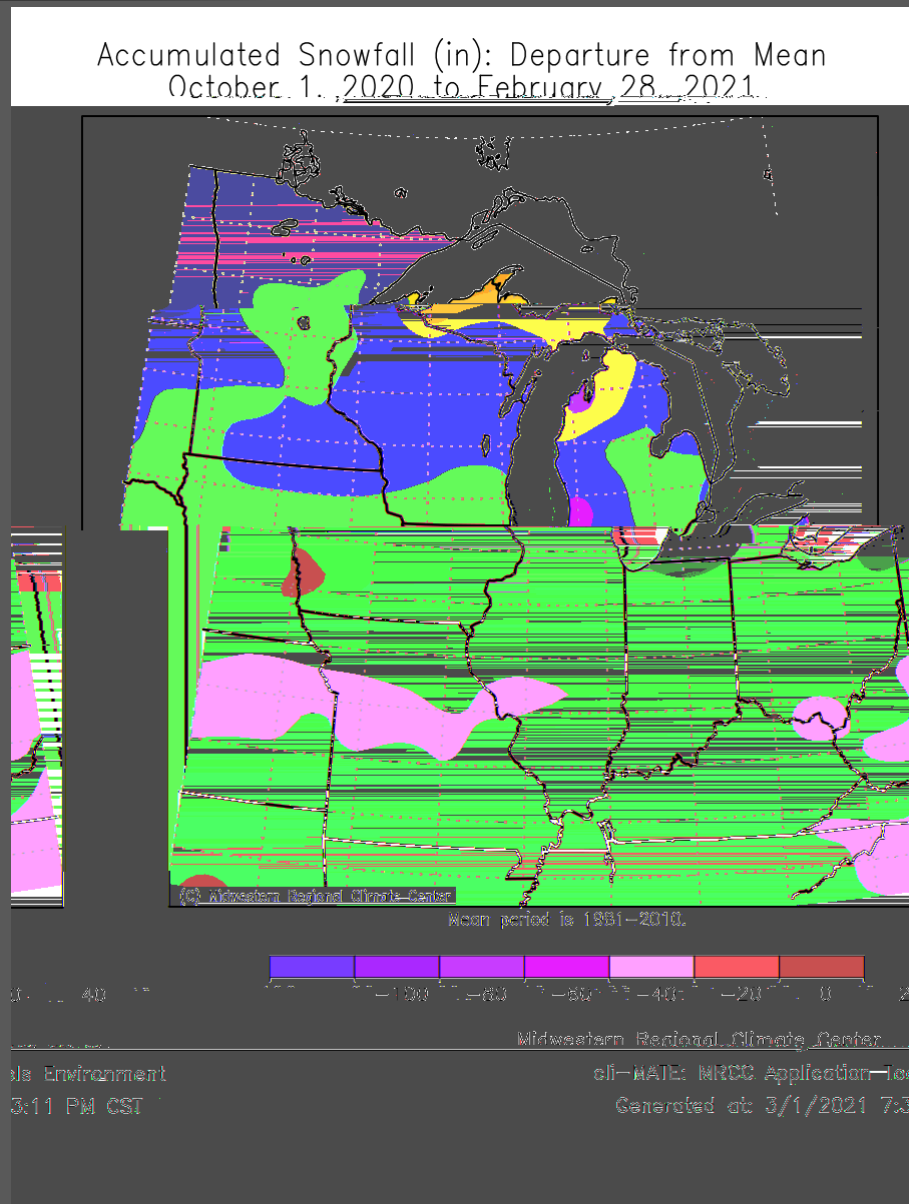
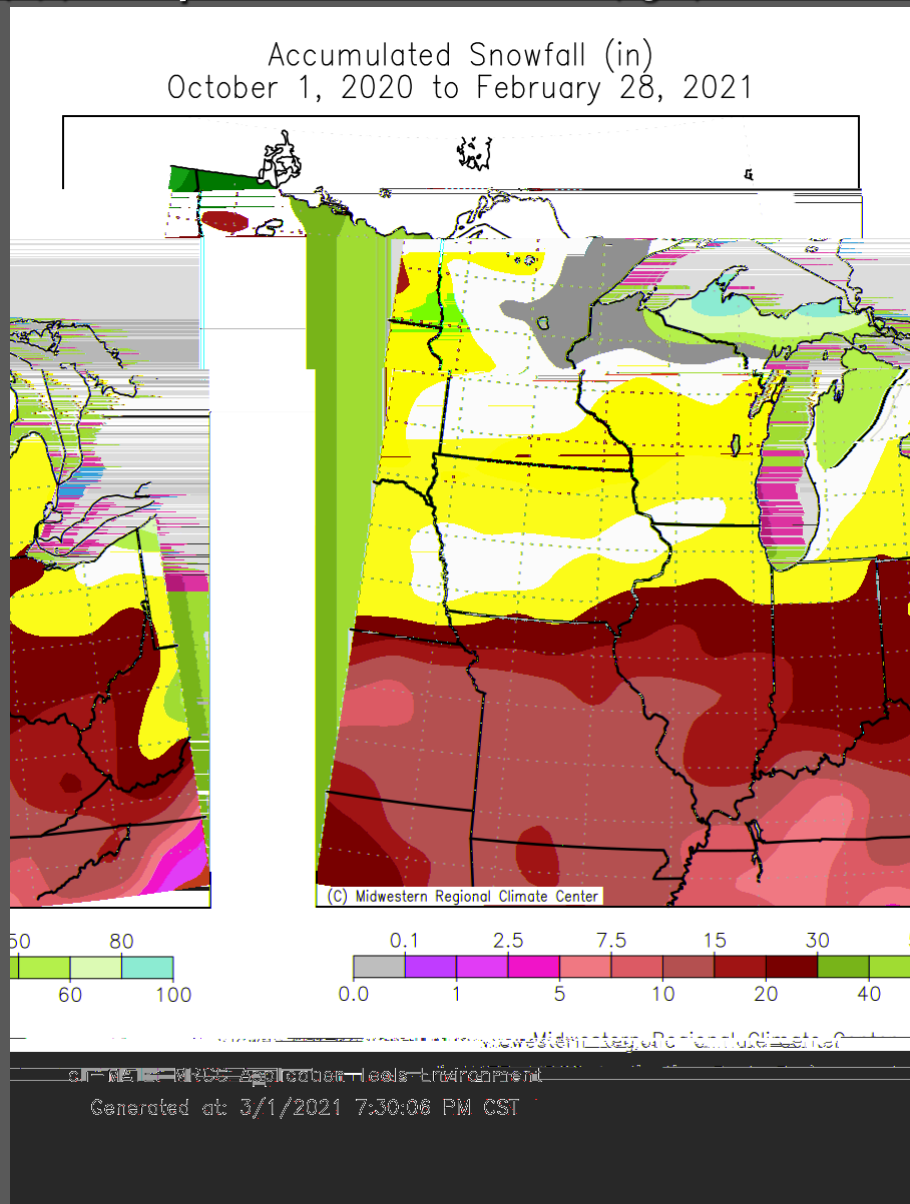
\* Detroit Area snowfall records date back to January 1880.

\*\* Flint Bishop snowfall records date back to January 1921.

\*\*\* Saginaw Area snowfall records date back to January 1912.

Note: this table does not account for trace (T) events

Total Snowfall (left) & Departure from Normal (right)

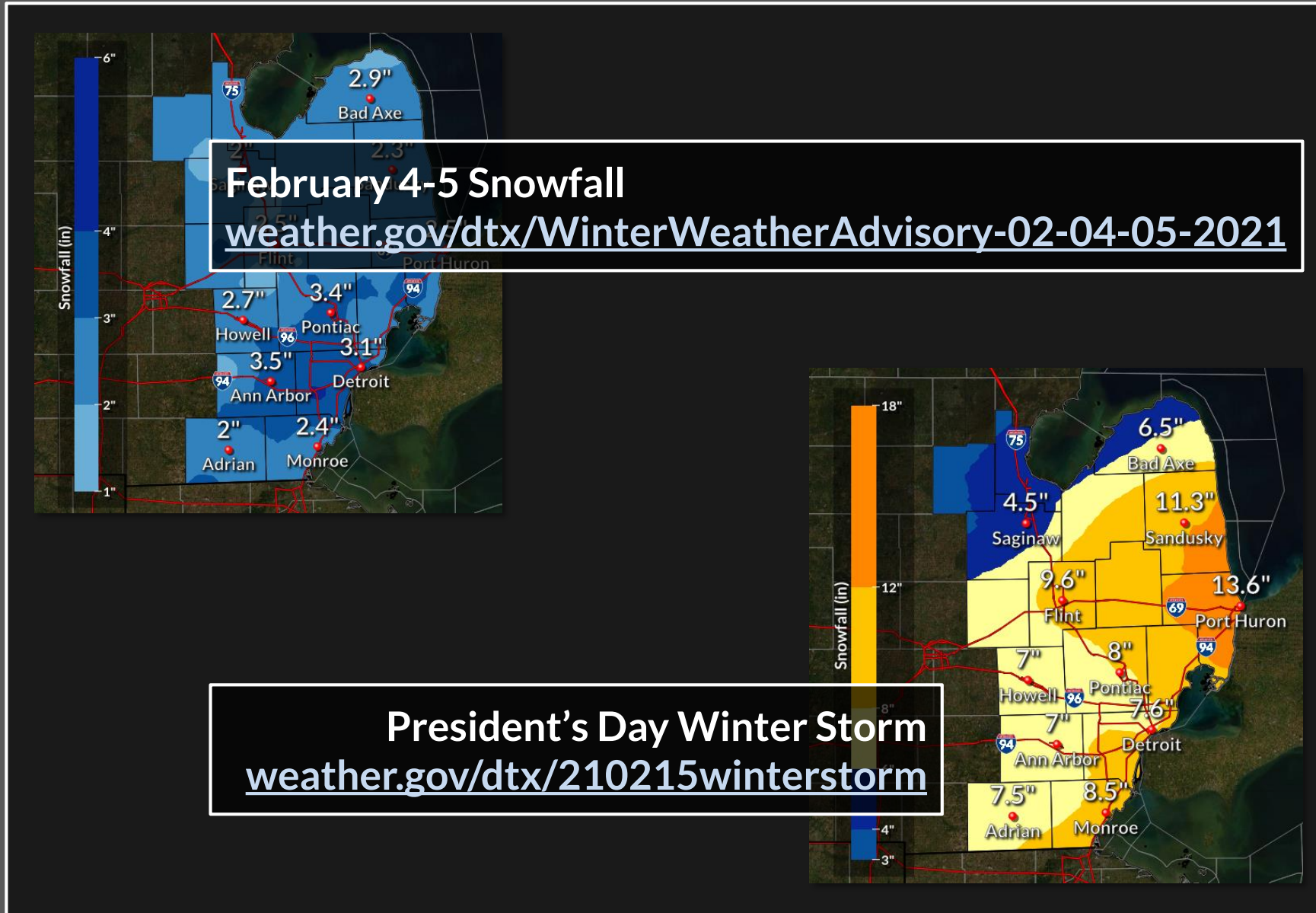


# February 2021 – Significant Weather Events

Weather Forecast Office  
Detroit, MI



Follow links for web summaries



## February 4-5 Snowfall

[weather.gov/dtx/WinterWeatherAdvisory-02-04-05-2021](https://weather.gov/dtx/WinterWeatherAdvisory-02-04-05-2021)

## President's Day Winter Storm

[weather.gov/dtx/210215winterstorm](https://weather.gov/dtx/210215winterstorm)



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)

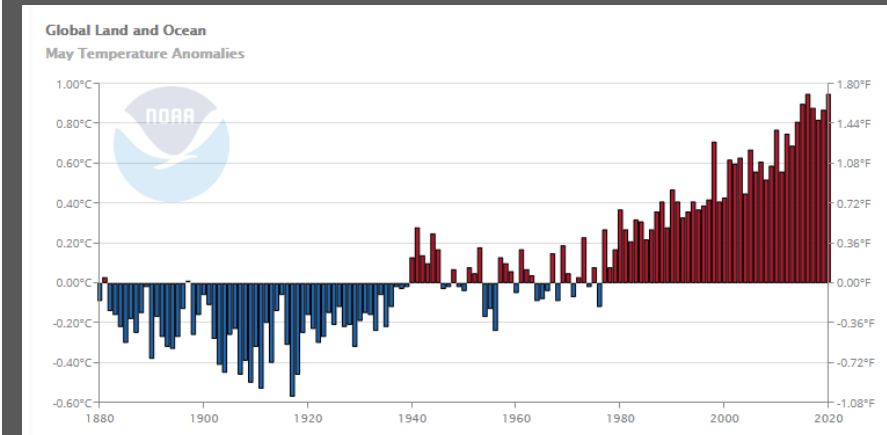
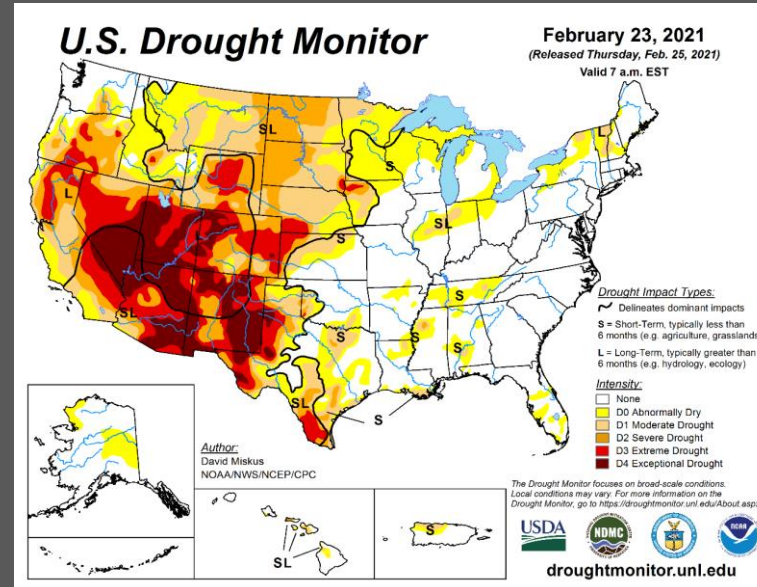
2. Location »  
Detroit  
Flint  
Saginaw

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](http://weather.gov/climate/index.php?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!