

# Southeast Michigan Climate Summary

## Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office  
Detroit, MI



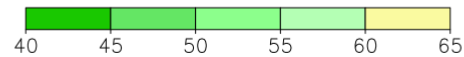
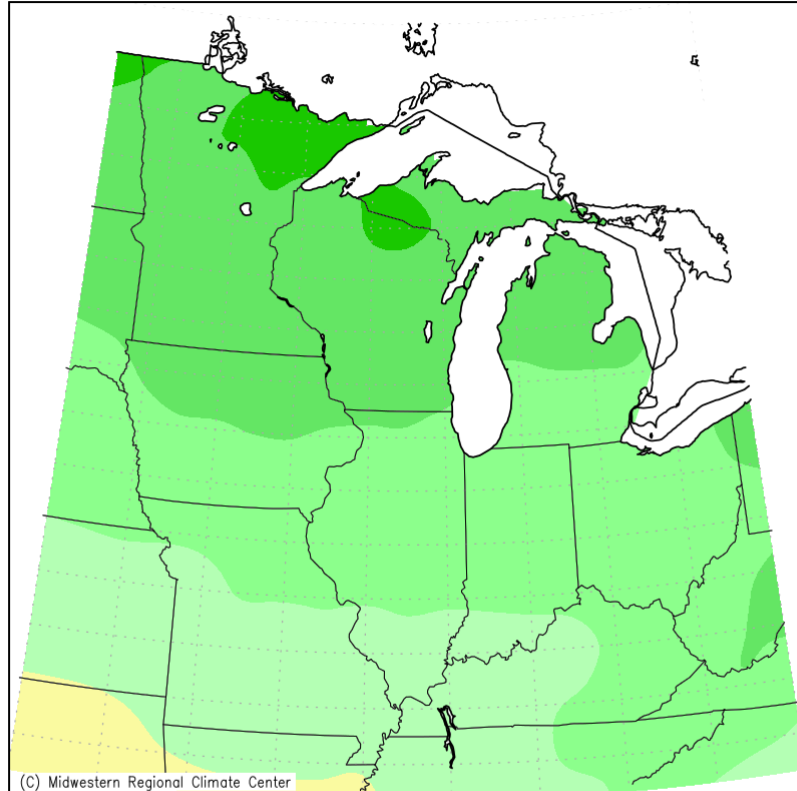
# October 2022 – Regional Temperature Summary

Weather Forecast Office  
Detroit, MI



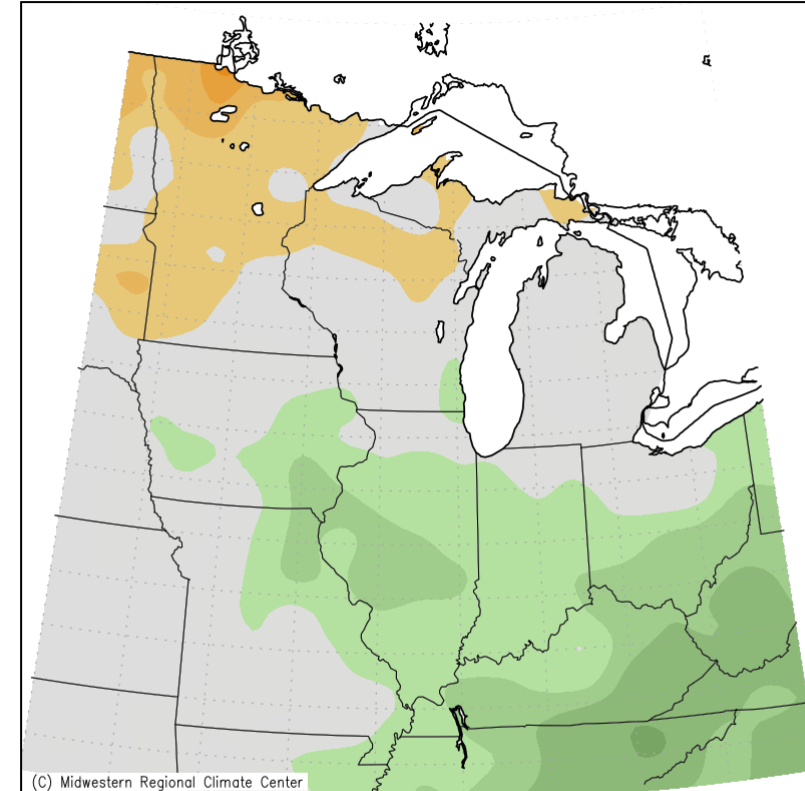
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)  
October 1, 2022 to October 31, 2022

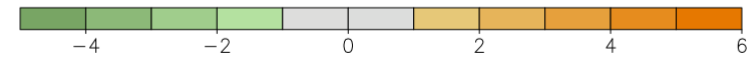


Midwestern Regional Climate Center  
Purdue University

Average Temperature (°F): Departure from Mean  
October 1, 2022 to October 31, 2022



Mean period is 1991–2020.



Midwestern Regional Climate Center  
Purdue University

# October 2022 – 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 COUNTY AP	77	30	63.2	39.6	51.4	HARBOR BEACH 1 SSE	75	33	58.3	40.5	49.4
ALGONAC WWTP	78	31	63.9	39.6	51.7	LAPEER 2W	76	27	61.3	38.7	50.0
ANN ARBOR MUNICIPAL AP	77	23	63.1	34.9	49.0	LAPEER WWTP	76	29	62.2	37.7	50.1
ANN ARBOR SE	78	28	64.0	36.4	50.2	MANCHESTER	78	30	64.4	38.0	51.0
ANN ARBOR U OF MICH	78	26	64.5	37.3	50.9	MIDLAND	72	29	57.8	37.7	47.7
BAD AXE	75	30	59.5	38.8	49.2	MORENCI	79	28	64.4	37.2	50.8
BURTON 4N	76	25	62.0	36.6	49.3	OIL CITY 2S	76	26	59.4	35.1	47.2
CARO WWTP	77	28	60.9	37.4	49.1	OWOSSO WWTP	79	31	62.6	39.2	50.9
CASS CITY 1 SSW	76	24	60.3	36.1	48.3	PONTIAC INTL AP	76	28	61.2	39.8	50.5
CHELSEA	77	28	62.3	37.7	50.0	PONTIAC WWTP	76	30	62.3	39.9	51.1
DEARBORN	78	30	63.7	40.2	51.9	PORT HOPE	75	34	60.1	43.4	51.7
DEARBORN NO. 2	79	34	64.6	43.3	53.9	PORT HURON	82	36	62.0	45.5	53.8
DETROIT CITY AP	79	35	64.6	45.0	54.8	RICHMOND 4 NNW	75	28	61.0	36.7	48.7
<b>DETROIT METRO AIRPORT</b>	<b>79</b>	<b>33</b>	<b>64.0</b>	<b>42.2</b>	<b>53.1</b>	SAGINAW #3	76	31	61.1	39.4	50.2
FARMINGTON	77	27	62.5	37.1	49.5	<b>SAGINAW MBS INTL AP</b>	<b>77</b>	<b>31</b>	<b>61.6</b>	<b>39.9</b>	<b>50.7</b>
FILION 5NNW	77	35	61.8	43.2	52.6	SALINE 4SW	79	29	65.0	38.5	51.7
FLINT 7W	76	28	61.1	37.7	49.4	TECUMSEH	77	31	65.0	38.4	51.7
<b>FLINT FCWOS</b>	<b>78</b>	<b>27</b>	<b>63.1</b>	<b>38.5</b>	<b>50.8</b>	WHITE LAKE 4E	76	26	61.5	36.8	49.2
GOODRICH	76	29	61.5	38.3	49.9	WHITMORE LAKE 1NW	76	29	62.1	38.2	50.0
GROSSE POINTE FARMS	78	33	60.9	41.9	51.4						



## 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.

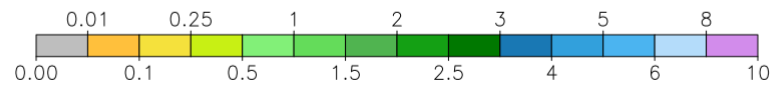
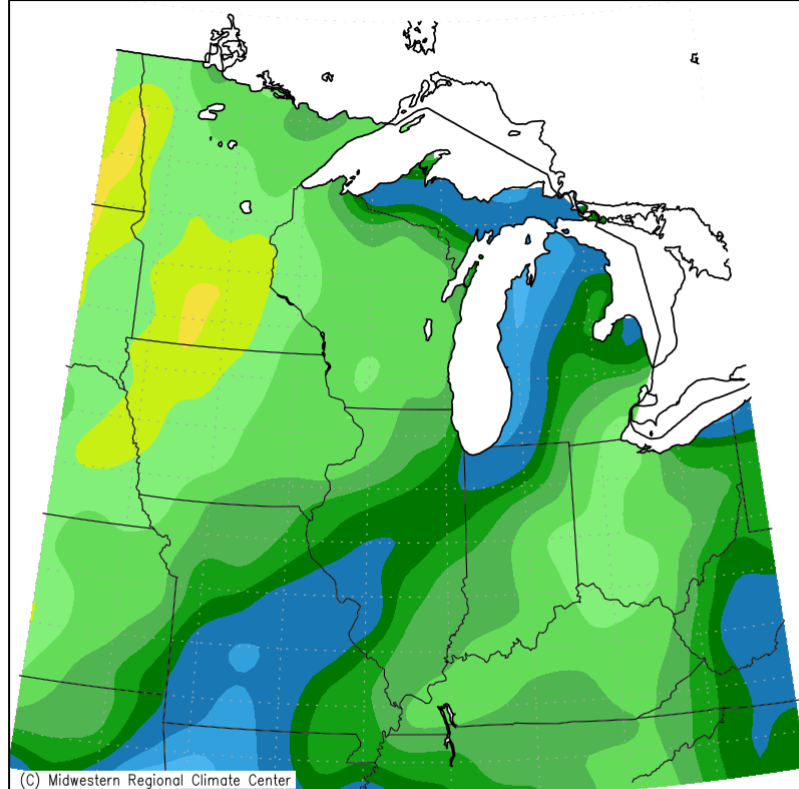
# October 2022 – Regional Precipitation Summary

Weather Forecast Office  
Detroit, MI



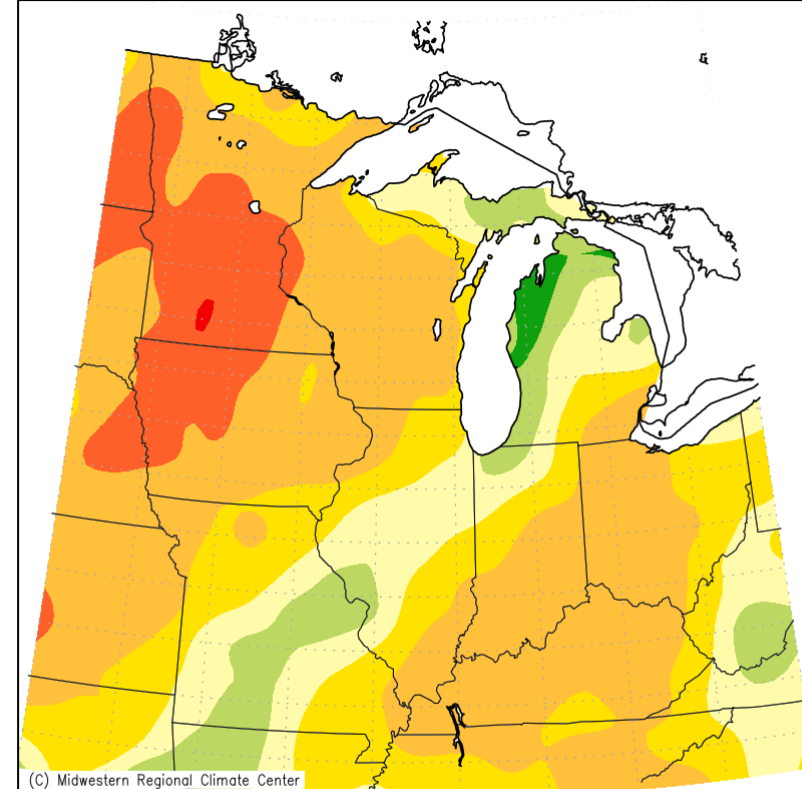
Total Monthly Precipitation (left) & Percent of Mean (right)

Accumulated Precipitation (in)  
October 1, 2022 to October 31, 2022

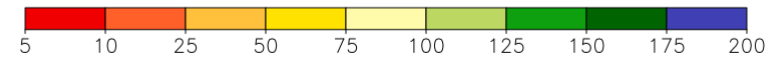


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Accumulated Precipitation: Percent of Mean  
October 1, 2022 to October 31, 2022



Mean period is 1991–2020.



Midwestern Regional Climate Center  
Purdue University

# October 2022 – 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 LENAWEЕ CO AP	0.48	1.00	11	GOODRICH	0.31	1.61	13
ANN ARBOR MNCPL AP	0.31	0.92	13	HARBOR BEACH 1 SSE	0.90	3.60	12
ANN ARBOR SE	0.22	0.86	13	LAPEER 2W	0.41	2.21	13
ANN ARBOR U OF MICH	0.31	1.32	12	LAPEER WWTP	0.47	2.49	13
BAD AXE	0.73	3.29	14	LINDEN WWTP	0.41	1.79	12
BURTON 4N	0.38	2.10	13	MANCHESTER	0.31	0.87	10
CARO WWTP	0.82	3.41	14	OIL CITY 2S	0.92	2.71	13
CASS CITY 1 SSW	0.81	3.16	13	OWOSSO WWTP	0.48	2.28	13
CHELSEA	0.38	1.36	12	PONTIAC INTL AP	0.23	1.12	12
CHESANING	0.43	2.15	12	PORT HOPE	0.74	2.96	13
DEARBORN	0.32	1.34	8	PORT HURON	0.46	1.59	11
DEARBORN NO. 2	0.23	0.65	11	RICHMOND 4 NNW	0.24	0.96	11
DETROIT CITY AP	0.44	0.73	8	SAGINAW 8NW	0.43	2.03	12
<b>DETROIT METRO AIRPORT</b>	<b>0.45</b>	<b>1.06</b>	<b>11</b>	<b>SAGINAW MBS INTL AP</b>	<b>0.64</b>	<b>2.13</b>	<b>11</b>
DETROIT WILLOW RUN AP	0.29	0.94	14	SALINE 4SW	0.26	0.99	12
FARMINGTON	0.28	1.00	10	WHITE LAKE 4E	0.27	1.67	13
FLINT 7W	0.39	2.49	13	WHITMORE LAKE 1NW	0.30	1.26	11
<b>FLINT FCWOS</b>	<b>0.44</b>	<b>2.16</b>	<b>13</b>	WYANDOTTE	0.25	0.69	8

# 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	1.06	2022	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 2022 – 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**

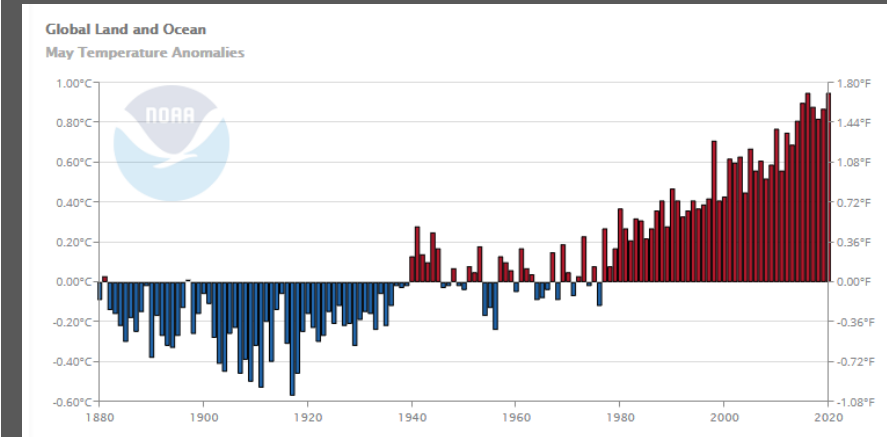
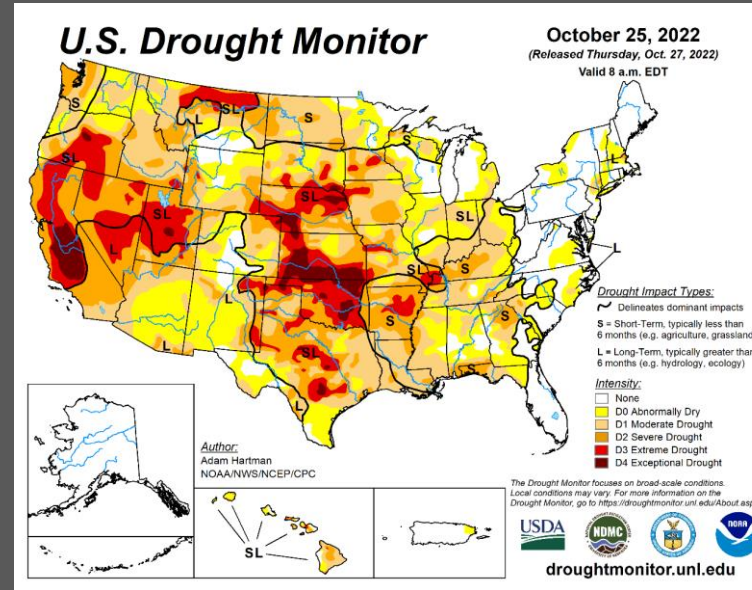
- ☑ Daily data for a month
- Daily almanac
- Monthly summarized data
- Calendar day summaries
- Daily/monthly normals
- Climatology for a day
- First/last dates
- Temperature graphs
- Accumulation graphs

Date: 2021-08 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

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

**U.S. Drought Monitor**

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

**NOAA NCEI Climate at a Glance**

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

Thank you to our COOP and CoCoRaHS volunteer weather observers!