

Christmas Day Records

Updated 1/1/2024

Location	Records Began	1981-2010 Normal High / Low	Record High Temp / Year(s)	Record Low Temp / Year(s)	Record Low Max Temp / Year(s)	Record High Min Temp / Year(s)
Antigo	1895	24 / 8	47 / 2023	-27 / 2000	-6 / 1924	43 / 2023
Appleton	1901	28 / 14	54 / 2023	-16 / 2000	-4 / 1983	41 / 2023
Brillion	1925	28 / 14	50 / 2023	-17 / 2000	10 / 2004	43 / 2023
Chilton	1894	27 / 12	54 / 1982	-16 / 1983	-5 / 1983	41 / 2023
Clintonville	1950	28 / 12	50 / 2023	-16 / 1980,1983	-1 / 1983	42 / 2023
Green Bay	1886	28 / 15	54 / 2023	-22 / 2000	-4 / 1933,1983	45 / 2023
Kewaunee	1909	29 / 17	53 / 1982	-16 / 1933,1983	-4 / 1983	41 / 1982
Manitowoc	1893	27 / 16	58 / 1982	-20 / 1983	-3 / 1983	39 / 2023
Marinette	1920	29 / 14	50 / 2023	-15 / 1983	6 / 1983,1993	37 / 2023
Marshfield	1913	25 / 10	50 / 2023	-25 / 1933	-6 / 1924	47 / 2023
Merrill	1906	25 / 8	50 / 2023	-27 / 1933	-3 / 1983	40 / 2023
New London	1896	28 / 12	53 / 1936,2023	-20 / 1983	-3 / 1983	40 / 2023
Oconto	1893	29 / 13	53 / 1936	-21 / 1983	-2 / 2004	39 / 2023
Oshkosh	1893	29 / 15	54 / 1936,1982	-24 / 1983	-5 / 1983	46 / 2023
Rhineland	1908	24 / 6	50 / 2023	-31 / 1933	-3 / 1924	45 / 2023
Shawano	1893	27 / 11	51 / 2023	-25 / 1933	-1 / 1983	37 / 2023
Stevens Point	1894	26 / 11	50 / 1936,2023	-24 / 1921	-6 / 1924,1983	41 / 2023
Sturgeon Bay	1906	28 / 16	52 / 2023	-20 / 1933	1 / 1983	39 / 2023
Two Rivers	1951	30 / 16	54 / 1982	-16 / 1983	-6 / 1983	39 / 2023
Washington Island	1945	29 / 17	48 / 1982	-7 / 1983	6 / 1983	38 / 2023
Waupaca	1896	27 / 12	54 / 2023	-22 / 1920	-3 / 1924	41 / 2023
Wausau	1895	25 / 11	50 / 2023	-23 / 1933	-6 / 1933,1983	47 / 2023
Wisconsin Rapids	1904	27 / 10	51 / 1936,2023	-26 / 1921	-8 / 1924	48 / 2023

Note: If multiple occurrences of a record were tied, only the last two occurrences were used in this table.

Christmas Day Records

Location		Warmest Ave Temp / Year(s)	Coldest Ave Temp / Year(s)	Wettest Inches / Year(s)	Snowiest Inches / Year(s)	Greatest Snow Depth (Inches)
Antigo	1895	45.0 / 2023	-13.0 / 1983	0.49 / 1982	7.0 / 1945	17 / 1983
Appleton	1901	47.5 / 2023	-8.0 / 1983	0.84 / 2009	5.0 / 1910	17 / 2008
Brillion	1925	46.5 / 2023	-2.5 / 2000	0.85 / 1932	5.0 / 1945	17 / 2000
Chilton	1894	44.5 / 1982,2023	-10.5 / 1983	0.67 / 1945	6.0 / 1962	24 / 1909
Clintonville	1950	46.0 / 2023	-8.5 / 1983	0.96 / 2009	5.0 / 1962	12 / 2008
Green Bay	1886	49.5 / 2023	-10.5 / 1933	0.62 / 1973	5.4 / 1945	18 / 1985
Kewaunee	1909	47.0 / 1982	-10.0 / 1983	0.62 / 1973	8.0 / 1945	28 / 2008
Manitowoc	1893	48.0 / 1982	-11.5 / 1983	0.87 / 2009	4.5 / 1962	18 / 1951
Marinette	1920	43.5 / 2023	-4.5 / 1983	0.65 / 1945	7.0 / 1945,1977	18 / 1961
Marshfield	1913	48.5 / 2023	-11.5 / 1968	0.75 / 1945,2009	8.0 / 1945	21 / 2010
Merrill	1906	45.0 / 2023	-11.5 / 1983	0.60 / 1982	5.0 / 1945	17 / 1985,1996
New London	1896	46.5 / 2023	-11.5 1983	1.12 / 1945	10.0 / 1945	19 / 1985
Oconto	1893	45.5 / 2023	-9.5 / 2004	0.73 / 1945	8.3 / 1945	16 / 2013,2016
Oshkosh	1893	49.5 / 2023	-14.5 / 1983	0.71 / 1973	6.0 / 1962	14 / 2000
Rhineland	1908	47.5 / 2023	-14.0 / 1924	1.12 / 1932	9.2 / 1945	28 / 1968
Shawano	1893	44.0 / 2023	-9.0 / 1983	0.85 / 1893	6.0 / 1945	21 / 1985
Stevens Point	1894	45.5 / 2023	-12.5 / 1983	1.37 / 1945	5.0 / 1910	16 / 1926,2000
Sturgeon Bay	1906	45.5 / 2023	-6.0 / 1983	0.60 / 1945	5.5 / 1907	27 / 1985
Two Rivers	1951	45.5 / 1982	-11.0 / 1983	0.87 / 1973	4.0 / 1984	35 / 2000
Washington Island	1945	40.5 / 2023	-0.5 / 1983	0.83 / 1945	3.0 / 1957,1967	16 / 1968,1977
Waupaca	1896	47.5 / 2023	-9.0 / 1924	1.18 / 2009	7.5 / 1945	18 / 2008
Wausau	1895	48.5 / 2023	-15.0 / 1933	0.54 / 1982	6.2 / 1945	18 / 1940
Wisconsin Rapids	1904	49.5 / 2023	-14.0 / 1924	1.10 / 2009	2.5 / 2009	17 / 1950

Note: If multiple occurrences of a record were tied, only the last two occurrences were used except for snow depth where the last occurrence was used in the table.

Christmas Day Precipitation / Snowfall Frequencies

Location / Year		PRECIPITATION					SNOWFALL				
	Record	DRY or Trace	>= 0.01 Inches	>=0.10 Inches	>=0.50 Inches	>=1.00 Inch	None or Trace	>=0.1 Inches	>=1.0 Inch	>=3.0 Inches	>=6.0 Inches
Location	Began	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Antigo	1895	79	21	10	0	0	82	18	11	6	2
Appleton	1901	71	29	14	2	0	74	26	13	5	0
Brillion	1925	74	26	14	3	0	81	19	16	5	0
Chilton	1894	76	24	14	2	0	79	21	15	4	1
Clintonville	1950	78	22	14	1	0	84	16	12	6	0
Green Bay	1886	69	31	14	1	0	75	25	11	4	0
Kewaunee	1909	75	25	13	3	0	80	20	17	6	2
Manitowoc	1893	76	24	12	2	0	82	18	13	7	0
Marinette	1920	74	26	16	1	0	82	18	15	6	3
Marshfield	1913	75	25	12	2	0	82	18	12	4	1
Merrill	1906	73	27	16	3	0	82	18	10	2	0
New London	1896	77	23	11	1	1	83	17	9	6	1
Oconto	1893	76	24	13	3	0	80	20	13	6	2
Oshkosh	1893	77	23	11	2	0	82	18	13	4	1
Rhinelander	1908	69	31	11	2	0	71	29	20	4	1
Shawano	1893	80	20	14	3	0	84	16	10	5	1
Stevens Point	1894	74	26	15	5	1	79	21	11	3	0
Sturgeon Bay	1906	71	29	12	2	0	82	18	12	8	0
Two Rivers	1951	76	24	11	3	0	86	14	10	3	0
Wash. Island	1945	74	26	13	1	0	81	19	15	3	0
Waupaca	1896	79	21	10	2	1	82	18	11	3	2
Wausau	1895	72	28	12	1	0	73	27	12	2	1
Wisconsin Rapids	1904	71	29	13	1	0	77	23	15	3	2

Note: Percentages are based on years where the observer reported precipitation and snowfall. In some years, the observer may have only reported precipitation but no snowfall.

Christmas Day Snow Depth Frequencies (Inches):

	>=1 Inch	>=3 Inches	>=6 Inches	>=12 Inches	"Brown" Christmas"
Location	Percent	Percent	Percent	Percent	Years With a Trace or No Snow On The Ground
Antigo	88	79	46	8	1953,1960,1979,2002,2003,2015,2018,2020,2023
Appleton	73	51	27	5	1901,1932,1933,1936,1939,1941,1943,1953,1960,1965,1971,1979,1982,1988,1992,1993,1994,1999,2002,2003,2014,2015,2018,2020,2021,2023
Brillion	70	45	28	7	1948,1952,1960,1971,1982,1988,1991,1992,1999,2002,2003,2006,2011,2014,2015,2018,2019,2020,2021,2023
Chilton	74	47	26	8	1946,1949,1953,1955,1960,1967,1971,1979,1981,1982,1988,1992,1993,1994,2003,2014,2015,2018,2021,2023
Clintonville	74	55	30	3	1953,1958,1960,1965,1971,1979,1982,1988,1994,1997,2002,2014,2015,2018,2020,2021,2023
Green Bay	69	47	26	5	1894,1895,1899,1901,1906,1911,1913,1917,1923,1928,1931,1932,1936,1939,1941,1943,1953,1954,1955,1957,1958,1960,1964,1965,1971,1979,1981,1982,1988,1994,1999,2002,2003,2006,2014,2015,2018,2019,2020,2021,2023
Kewaunee	64	42	22	10	1947,1948,1952,1958,1971,1979,1982,1986,1988,1990,1993,2001,2002,2003,2005,2006,2011,2014,2015,2018,2019,2020,2021,2023
Manitowoc	62	42	17	5	1900,1903,1927,1928,1931,1952,1953,1954,1955,1957,1958,1960,1971,1973,1991,1993,1994,1997,1998,1999,2001,2002,2006,2009,2011,2014,2015,2018,2019,2020,2021,2023
Marinette	71	57	34	7	1963,1965,1979,1986,1991,1994,1997,1999,2001,2002,2011,2014,2015,2018,2020,2023
Marshfield Airport	80	64	38	17	1924,1928,1931,1943,1960,1976,1989,2002,2011,2018,2020,2021,2023
Merrill	91	74	43	11	1948,1960,2002,2018,2020,2023
New London	70	51	29	16	1907,1932,1953,1954,1958,1960,1965,1971,1979,1982,1988,1989,1993,2002,2006,2014,2015,2019,2020,2021,2023
Oconto	76	62	38	16	1946,1960,1965,1971,1979,1986,1993,1994,1997,2002,2006,2011,2014,2015,2018,2023
Oshkosh Airport	69	54	35	6	1953,1955,1957,1960,1979,1991,1993,1994,2006,2011,2014,2015,2018,2019,2020,2021
Rhineland	94	85	54	20	1913,1923,1928,1943,1960,1979,1994,2002,2023
Shawano	81	68	43	13	1928,1932,1957,1960,1965,1979,1994,1997,2020,2006,2011,2015,2018,2023
Stevens Point	92	65	40	10	1953,1979,1982,2015,2018,2020,2021,2023
Sturgeon Bay	71	56	40	21	1912,1917,1953,1960,1965,1971,1979,1981,1982,1986,1988,1991,1994,1999,2002,2003,2006,2011,2014,2015,2018,2020,2021,2023
Two Rivers	51	38	17	4	1952,1953,1954,1955,1957,1958,1960,1964,1967,1971,1973,1979,1981,1982,1986,1988,1990,1991,1993,1994,1999,2002,2003,2004,2006,2007,2011,2012,2014,2015,2018,2019,2020,2021,2023
Washington Island	66	49	32	13	1952,1953,1965,1971,1979,1982,1988,1994,1997,2001,2002,2003,2006,2014,2015,2021,2023
Waupaca	82	58	34	12	1911,1917,1918,1932,1936,1941,1953,1960,1971,1979,1982,1993,1997,2002,2011,2015,2020,2021,2023
Wausau	90	71	40	15	1913,1917,1918,1923,1931,1943,1953,1960,1979,1988,2002,2015,2018,2023
Wisconsin Rapids	83	59	35	15	1953,1960,1979,1982,1997,2002,2014,2015,2020,2021,2023

Note: Percentages and years without snow cover are based on years where the observer reported snow depth. In many years before 1950, some observer did not report snow depth. It should be noted that there may be more years without snow on the ground and the probabilities shown in the table may be slightly different if snow depth was recorded over the entire period of record.

