

Christmas Day Records

Updated 1/1/2023

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	41 / 1936	-27 / 2000	-6 / 1924	34 / 1936
Appleton	1901	28 / 14	47 / 1932,1982	-16 / 2000	-4 / 1983	35 / 1932
Brillion	1925	28 / 14	43 / 2021	-17 / 2000	10 / 2004	31 / 2014,2021
Chilton	1894	27 / 12	54 / 1982	-16 / 1983	-5 / 1983	35 / 1982
Clintonville	1950	28 / 12	42 / 1994	-16 / 1980,1983	-1 / 1983	33 / 1982
Green Bay	1886	28 / 15	50 / 1936	-22 / 2000	-4 / 1933,1983	40 / 1936
Kewaunee	1909	29 / 17	53 / 1982	-16 / 1933,1983	-4 / 1983	41 / 1982
Manitowoc	1893	27 / 16	58 / 1982	-20 / 1983	-3 / 1983	38 / 1982
Marinette	1920	29 / 14	47 / 1936	-15 / 1983	6 / 1983,1993	35 / 1936
Marshfield COOP	1913	25 / 10	48 / 1936	-25 / 1933	-6 / 1924	34 / 1936
Merrill	1906	25 / 8	45 / 1936	-27 / 1933	-3 / 1983	35 / 1936
New London	1896	28 / 12	50 / 1936	-20 / 1983	-3 / 1983	32 / 1982,2019
Oconto	1893	29 / 13	53 / 1936	-21 / 1983	-2 / 2004	35 / 1936
Oshkosh COOP	1893	29 / 15	54 / 1936,1982	-24 / 1983	-5 / 1983	38 / 1936
Rhineland	1908	24 / 6	45 / 1994	-31 / 1933	-3 / 1924	34 / 1940
Shawano	1893	27 / 11	45 / 1982	-25 / 1933	-1 / 1983	32 / 1936
Stevens Point	1894	26 / 11	50 / 1936	-24 / 1921	-6 / 1924,1983	36 / 1936
Sturgeon Bay	1906	28 / 16	50 / 1936	-20 / 1933	1 / 1983	36 / 1982
Two Rivers	1951	30 / 16	54 / 1982	-16 / 1983	-6 / 1983	37 / 1982
Washington Island	1945	29 / 17	48 / 1982	-7 / 1983	6 / 1983	33 / 2009,2019
Waupaca	1896	27 / 12	52 / 1936	-22 / 1920	-3 / 1924	35 / 1936
Wausau	1895	25 / 11	47 / 1994	-23 / 1933	-6 / 1933,1983	35 / 1936
Wisc. Rapids COOP	1904	27 / 10	51 / 1936	-26 / 1921	-8 / 1924	34 / 1936

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

Cooperative Observer 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	37.5 / 1936	-13.0 / 1983	0.49 / 1982	7.0 / 1945	17 / 1983
Appleton	1901	41.0 / 1932	-8.0 / 1983	0.84 / 2009	5.0 / 1910	17 / 2008
Brillion	1925	37.0 / 2021	-2.5 / 2000	0.85 / 1932	5.0 / 1945	17 / 2000
Chilton	1894	44.5 / 1982	-10.5 / 1983	0.67 / 1945	6.0 / 1962	24 / 1909
Clintonville	1950	36.0 / 1982	-8.5 / 1983	0.96 / 2009	5.0 / 1962	12 / 2008
Green Bay	1886	45.0 / 1936	-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	41.0 / 1936	-4.5 / 1983	0.65 / 1945	7.0 / 1945,1977	18 / 1961
Marshfield COOP	1913	41.0 / 1936	-11.5 / 1968	0.75 / 1945,2009	8.0 / 1945	21 / 2010
Merrill	1906	40.0 / 1936	-11.5 / 1983	0.60 / 1982	5.0 / 1945	17 / 1985,1996
New London	1896	41.0 / 1936	-11.5 1983	1.12 / 1945	10.0 / 1945	19 / 1985
Oconto	1893	44.0 / 1936	-9.5 / 2004	0.73 / 1945	8.3 / 1945	16 / 2013,2016
Oshkosh COOP	1893	46.0 / 1936	-14.5 / 1983	0.71 / 1973	6.0 / 1962	14 / 2000
Rhineland	1908	38.0 1936/1940	-14.0 / 1924	1.12 / 1932	9.2 / 1945	28 / 1968
Shawano	1893	38.0 / 1936	-9.0 / 1983	0.85 / 1893	6.0 / 1945	21 / 1985
Stevens Point	1894	43.0 / 1936	-12.5 / 1983	1.37 / 1945	5.0 / 1910	16 / 1926,2000
Sturgeon Bay	1906	42.0 / 1982	-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	39.0 / 1982	-0.5 / 1983	0.83 / 1945	3.0 / 1957,1967	16 / 1968,1977
Waupaca	1896	43.5 / 1936	-9.0 / 1924	1.18 / 2009	7.5 / 1945	18 / 2008
Wausau	1895	39.5 / 1936	-15.0 / 1933	0.54 / 1982	6.2 / 1945	18 / 1940
Wisc. Rapids COOP	1904	42.5 / 1936	-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	80	20	10	0	0	82	18	11	6	2
Appleton	1901	71	29	14	2	0	73	27	13	5	0
Brillion	1925	75	25	14	3	0	80	20	16	5	0
Chilton	1894	75	25	14	2	0	78	22	16	4	1
Clintonville	1950	79	21	13	1	0	83	17	12	6	0
Green Bay	1886	69	31	15	1	0	74	26	11	4	0
Kewaunee	1909	75	25	14	3	0	80	20	17	6	2
Manitowoc	1893	77	23	12	2	0	82	18	14	7	0
Marinette	1920	73	27	16	1	0	81	19	15	6	3
Marshfield COOP	1913	76	24	11	2	0	82	18	12	4	1
Merrill	1906	74	26	15	3	0	81	19	10	2	0
New London	1896	77	23	11	1	1	83	17	9	6	1
Oconto	1893	77	23	14	3	0	79	21	13	6	2
Oshkosh COOP	1893	76	24	11	2	0	81	19	13	4	1
Rhinelander	1908	66	34	10	2	0	73	27	21	4	1
Shawano	1893	81	19	14	3	0	84	16	10	5	1
Stevens Point	1894	75	25	15	5	1	79	21	12	4	0
Sturgeon Bay	1906	71	29	12	2	0	82	18	12	8	0
Two Rivers	1951	75	25	11	3	0	85	15	10	3	0
Wash. Island	1945	75	25	13	1	0	81	19	15	3	5
Waupaca	1896	80	20	10	2	1	81	19	11	3	2
Wausau	1895	72	28	12	1	0	73	27	13	2	1
Wisc. Rapids COOP	1904	74	26	11	3	1	77	23	13	0	0

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	89	79	45	8	1953, 1960,1979, 2002, 2003, 2015,2018,2020
Appleton	74	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
Brillion	71	45	28	8	1948,1952,1960,1971,1982,1988,1991,1992,1999,2002,2003,2006,2011,2014,2015,2018,2019,2020,2021
Chilton	75	47	25	8	1946,1949,1953,1955,1960,1967,1971,1979,1981,1982,1988,1992,1993,1994,2003,2014,2015,2018,2021
Clintonville	76	56	30	3	1953,1958,1960,1965,1971,1979,1982,1988,1994,1997,2002,2014,2015,2018,2020,2021
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
Kewaunee	65	42	23	11	1947,1948,1952,1958,1971,1979,1982,1986,1988,1990,1993,2001,2002,2003,2005,2006,2011,2014,2015,2018,2019,2020,2021
Manitowoc	63	43	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
Marinette	72	57	33	7	1963,1965,1979,1986,1991,1994,1997,1999,2001,2002,2011,2014,2015,2018,2020
Marshfield COOP	83	65	38	17	1924,1928,1931,1943,1960,1976,1989,2002,2011,2018,2020
Merrill	92	76	44	11	1948,1960,2002,2018,2020
New London	72	52	28	16	1907,1932,1953,1954,1958,1960,1965,1971,1979,1982,1988,1989,1993,2002,2006,2014,2015,2019,2020
Oconto	77	63	38	17	1946,1960,1965,1971,1979,1986,1993,1994,1997,2002,2006,2011,2014,2015,2018
Oshkosh COOP	71	55	35	6	1953,1955,1957,1960,1979,1991,1993,1994,2006,2011,2014,2015,2018,2019,2020
Rhineland	96	88	55	19	1913,1923,1928,1943,1960,1979,1994,2002
Shawano	81	67	43	12	1928,1932,1957,1960,1965,1979,1994,1997,2020,2006,2011,2015,2018
Stevens Point	94	66	40	10	1953,1979,1982,2015,2018
Sturgeon Bay	73	57	41	22	1912,1917,1953,1960,1965,1971,1979,1981,1982,1986,1988,1991,1994,1999,2002,2003,2006,2011,2014,2015,2018,2020
Two Rivers	52	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
Washington Island	67	49	31	11	1952,1953,1965,1971,1979,1982,1988,1994,1997,2001,2002,2003,2006,2014,2015
Waupaca	85	60	35	13	1911,1917,1918,1932,1936,1941,1953,1960,1971,1979,1982,1993,1997,2002,2011,2015,2020
Wausau	91	73	41	15	1913, 1917,1918,1923, 1931,1943,1953,1960,1979,1988,2002,2015,2018
Wisc. Rapids COOP	86	61	37	14	1953,1971,1979,1982,1988,1994,1997,2002,2014,2015,2018

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.

