

Traverse City Christmas Day Climate Records*

YEAR	DATE	DAY	MAX	MIN	PRECIP	SNOW	SNOW DEPTH
1896	25-Dec	Fri	30	M	0.00	0.0	0
1897	25-Dec	Sat	32	M	0.00	0.0	0
1898	25-Dec	Sun	28	3	0.00	0.0	0
1899	25-Dec	Mon	14	11	0.20	2.0	3
1900	25-Dec	Tue	28	20	0.30	3.0	3
1901	25-Dec	Wed	M	M	M	M	M
1902	25-Dec	Thu	32	20	0.30	3.0	6
1903	25-Dec	Fri	15	4	T	T	16
1904	25-Dec	Sun	28	12	0.00	0.0	2
1905	25-Dec	Mon	31	22	0.00	0.0	4
1906	25-Dec	Tue	30	4	0.00	0.0	2
1907	25-Dec	Wed	38	28	0.00	0.0	3
1908	25-Dec	Fri	40	28	0.05	0.5	5
1909	25-Dec	Sat	18	15	M	2.0	21
1910	25-Dec	Sun	21	16	0.17	2.0	19
1911	25-Dec	Mon	38	28	0.00	0.0	0
1912	25-Dec	Wed	42	22	0.00	0.0	0
1913	25-Dec	Thu	45	29	0.00	0.0	0
1914	25-Dec	Fri	20	11	0.00	0.0	15
1915	25-Dec	Sat	32	27	0.00	0.0	7
1916	25-Dec	Mon	30	18	0.10	1.0	12
1917	25-Dec	Tue	30	8	0.00	0.0	2
1918	25-Dec	Wed	30	23	0.47	5.0	6
1919	25-Dec	Thu	29	4	0.00	0.0	8
1920	25-Dec	Sat	23	9	0.00	0.0	6
1921	25-Dec	Sun	22	8	0.00	0.0	13
1922	25-Dec	Mon	39	24	0.02	0.0	2
1923	25-Dec	Tue	37	30	T	T	0
1924	25-Dec	Thu	18	2	0.10	1.0	13
1925	25-Dec	Fri	31	15	0.10	1.0	3
1926	25-Dec	Sat	40	18	0.00	0.0	8
1927	25-Dec	Sun	29	16	0.00	0.0	4
1928	25-Dec	Tue	38	33	0.00	0.0	4
1929	25-Dec	Wed	30	25	0.00	0.0	6
1930	25-Dec	Thu	37	25	0.00	0.0	1
1931	25-Dec	Fri	37	28	M	T	0
1932	25-Dec	Sun	48	37	0.07	0.0	0
1933	25-Dec	Mon	24	4	0.00	0.0	11
1934	25-Dec	Tue	31	15	0.00	0.0	1
1935	25-Dec	Wed	22	7	0.01	0.5	9
1936	25-Dec	Fri	47	35	0.43	0.0	0
1937	25-Dec	Sat	31	26	0.00	0.0	18
1938	25-Dec	Sun	32	26	0.03	0.5	3

1939	25-Dec	Mon	34	29	0.00	0.0	1
1940	25-Dec	Wed	52	36	0.00	0.0	0
1941	25-Dec	Thu	34	25	0.00	0.0	0
1942	25-Dec	Fri	28	22	0.00	0.0	8
1943	25-Dec	Sat	36	22	0.00	0.0	8
1944	25-Dec	Mon	24	8	0.01	T	7
1945	25-Dec	Tue	35	25	0.50	3.0	8
1946	25-Dec	Wed	28	18	0.04	1.0	2
1947	25-Dec	Thu	30	25	0.20	3.0	6
1948	25-Dec	Sat	17	7	0.11	M	M
1949	25-Dec	Sun	39	20	0.11	T	1
1950	25-Dec	Mon	16	9	0.04	1.7	7
1951	25-Dec	Tue	24	13	T	T	12
1952	25-Dec	Thu	34	26	0.05	0.6	T
1953	25-Dec	Fri	40	32	T	0.0	1
1954	25-Dec	Sat	40	31	0.00	0.0	4
1955	25-Dec	Sun	34	23	0.00	0.0	6
1956	25-Dec	Tue	32	26	T	T	2
1957	25-Dec	Wed	36	20	0.11	T	0
1958	25-Dec	Thu	21	-4	0.03	0.8	19
1959	25-Dec	Fri	33	27	T	0.0	2
1960	25-Dec	Sun	30	21	T	T	11
1961	25-Dec	Mon	30	24	0.01	0.1	5
1962	25-Dec	Tue	24	16	0.14	1.3	10
1963	25-Dec	Wed	31	21	T	T	12
1964	25-Dec	Fri	35	31	0.01	0.2	1
1965	25-Dec	Sat	28	21	0.00	0.0	1
1966	25-Dec	Sun	24	15	0.09	0.6	7
1967	25-Dec	Mon	30	13	0.06	2.8	5
1968	25-Dec	Wed	15	3	0.12	1.3	8
1969	25-Dec	Thu	25	16	T	T	4
1970	25-Dec	Fri	22	14	0.13	2.3	5
1971	25-Dec	Sat	37	25	T	T	T
1972	25-Dec	Mon	34	29	0.04	0.3	7
1973	25-Dec	Tue	41	27	0.33	0.0	2
1974	25-Dec	Wed	33	23	0.03	0.2	1
1975	25-Dec	Thu	27	25	T	T	2
1976	25-Dec	Sat	29	15	0.01	0.2	7
1977	25-Dec	Sun	22	6	0.14	2.5	2
1978	25-Dec	Mon	27	19	0.04	0.5	7
1979	25-Dec	Tue	34	29	0.08	T	0
1980	25-Dec	Thu	18	9	0.02	0.4	8
1981	25-Dec	Fri	28	0	0.01	0.1	3
1982	25-Dec	Sat	58	36	0.06	0.0	0
1983	25-Dec	Sun	7	5	0.07	1.1	10
1984	25-Dec	Tue	20	-2	0.11	1.3	6
1985	25-Dec	Wed	15	7	0.44	7.0	22

1986	25-Dec	Thu	34	30	T	T	T
1987	25-Dec	Fri	37	27	0.09	1.1	4
1988	25-Dec	Sun	30	18	T	T	1
1989	25-Dec	Mon	28	14	0.09	3.0	23
1990	25-Dec	Tue	23	6	0.06	4.7	3
1991	25-Dec	Wed	38	26	0.00	0.0	1
1992	25-Dec	Fri	29	12	0.60	6.0	6
1993	25-Dec	Sat	15	2	0.73	6.4	7
1994	25-Dec	Sun	34	24	M	0.0	0
1995	25-Dec	Mon	27	19	M	7.4	16
1996	25-Dec	Wed	16	12	M	M	6
1997	25-Dec	Thu	37	32	M	M	2
1998	25-Dec	Fri	31	8	0.01	M	3
1999	25-Dec	Sat	34	12	T	M	3
2000	25-Dec	Mon	19	9	T	M	13
2001	25-Dec	Tue	24	17	T	M	4
2002	25-Dec	Wed	32	27	0.00	0.0	1
2003	25-Dec	Thu	34	17	0.23	3.0	4
2004	25-Dec	Sat	13	-6	0.02	0.5	11
2005	25-Dec	Sun	37	34	0.04	0.0	T
2006	25-Dec	Mon	38	32	0.00	0.0	0
2007	25-Dec	Tue	35	25	T	0.2	5
2008	25-Dec	Thu	25	18	0.26	3.1	12
2009	25-Dec	Fri	39	32	0.04	0.1	5
2010	25-Dec	Sat	30	19	0.00	0.0	6
2011	25-Dec	Sun	38	34	0.00	0.0	T
2012	25-Dec	Tue	29	25	0.11	0.7	3
2013	25-Dec	Wed	24	13	0.05	1.7	15
2014	25-Dec	Thu	38	35	0.19	0.0	T
2015	25-Dec	Fri	40	27	0.00	0.0	0
2016	25-Dec	Sun	36	31	0.00	0.0	6
2017	25-Dec	Mon	21	4	0.13	1.5	7
2018	25-Dec	Tue	34	17	T	T	2
2019	25-Dec	Wed	48	35	0.00	0.0	0
2020	25-Dec	Fri	26	18	0.13	2.0	2
2021	25-Dec	Sat	44	31	0.02	0.0	0
2022	25-Dec	Sun	21	16	0.14	4.6	14
2023	25-Dec	Mon	58	47	0.00	M	M
2024	25-Dec	Wed	35	30	0.00	0.0	5

Traverse City Christmas Day Climate Extremes:

Warmest Max:	58°	1982, 2023
Coldest Max:	7°	1983
Coldest Min:	-6°	2004
Warmest Min:	47°	2023
Wettest:	0.73"	1993
Snowiest:	7.4"	1995
Greatest Snow Depth:	23"	1989

Number of Days With Max Temp:

< 10°	1
10 to 19°	13
20 to 29°	38
30 to 39°	61
40 to 49°	12
50° or above	3

Number of Days With Min Temp:

< -10°	0
-10 to -1°	3
0 to 9°	24
10 to 19°	33
20 to 29°	45
30° or above	21

Number of Days With Precip:

0.00"	42
Trace	18
0.01 - 0.24"	52
0.25 - 0.49"	7
0.50 - 0.99"	3
1.00" or above	0

Number of Days With Snowfall:

0.0"	52
Trace	17
0.1 - 0.9"	18
1.0 - 4.9"	28
5.0 - 9.9"	5
10.0" or above	0

Period of Record Averages

Avg MaxT	31
Avg MinT	19
Avg Precip	0.07
Avg Snowfall	0.8
Avg Snow Depth	5

Number of White Christmas Occurrences Since 1896: 99

Probability of White Christmas Since 1896: 80%

****Data for Traverse City is derived from a composite of observations taken at both Cherry Capital Airport and the cooperative observing station at Munson Medical Center. This data is for informational purposes only and does not meet climatological standards. This data set may include periods with missing data.***