

Wisconsin State Climatology Office

Heating Degree Day Units - base 65°F: East central Wisconsin

Data Source: National Centers for Environmental Information

Jan 1895 -Jun 2023

SEASON	SEASON												FALL	WINTER	SPRING	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASON	SON	DJF	MAM
1894-95	--	--	--	--	--	--	1693	1518	1203	621	309	68	--	--	--	2133
1895-96	62	60	120	769	1059	1318	1451	1263	1256	570	181	82	8191	1948	4032	2007
1896-97	30	41	330	704	1092	1277	1482	1224	1212	714	421	166	8693	2126	3983	2347
1897-98	13	112	99	434	1050	1510	1383	1260	992	693	354	90	7990	1583	4153	2039
1898-99	24	76	138	611	1002	1528	1600	1576	1398	591	346	90	8980	1751	4704	2335
1899-00	27	38	297	456	804	1370	1370	1492	1290	606	304	113	8167	1557	4232	2200
1900-01	44	10	157	332	1071	1290	1488	1504	1184	606	357	84	8127	1560	4282	2147
1901-02	7	41	218	512	1026	1448	1454	1355	946	672	320	178	8177	1756	4257	1938
1902-03	24	112	282	546	762	1398	1544	1316	902	666	326	155	8033	1590	4258	1894
1903-04	33	125	229	564	1068	1606	1758	1644	1175	825	348	127	9502	1861	5008	2348
1904-05	52	112	226	570	867	1448	1730	1523	1060	684	433	131	8836	1663	4701	2177
1905-06	53	51	150	595	963	1252	1305	1330	1327	603	386	116	8131	1708	3887	2316
1906-07	40	26	96	577	936	1305	1556	1310	970	909	567	129	8421	1609	4171	2446
1907-08	39	100	234	623	969	1293	1398	1305	1048	660	346	116	8131	1826	3996	2054
1908-09	24	60	83	521	912	1386	1457	1218	1153	834	427	108	8183	1516	4061	2414
1909-10	35	30	229	657	777	1550	1541	1428	778	606	474	70	8175	1663	4519	1858
1910-11	11	45	232	440	1104	1457	1510	1156	1026	717	242	43	7983	1776	4123	1985
1911-12	19	76	202	604	1131	1187	2074	1478	1355	645	360	131	9262	1937	4739	2360
1912-13	37	119	176	515	909	1224	1472	1462	1224	648	400	77	8263	1600	4158	2272
1913-14	42	50	207	580	822	1094	1302	1554	1159	753	285	124	7972	1609	3950	2197
1914-15	13	58	199	390	912	1562	1581	1114	1153	444	487	218	8131	1501	4257	2084
1915-16	82	150	191	512	885	1324	1463	1464	1280	687	374	207	8619	1588	4251	2341
1916-17	0	29	265	592	996	1547	1671	1621	1144	777	496	210	9348	1853	4839	2417
1917-18	24	103	268	818	912	1569	1882	1386	955	768	290	122	9097	1998	4837	2013
1918-19	50	28	336	465	849	1122	1333	1215	1038	663	395	30	7524	1650	3670	2096
1919-20	9	63	132	549	1032	1658	1767	1392	1094	831	400	81	9008	1713	4817	2325
1920-21	65	92	130	352	975	1246	1302	1142	942	504	272	31	7053	1457	3690	1718
1921-22	0	47	89	515	1050	1333	1600	1361	1079	687	209	71	8041	1654	4294	1975
1922-23	41	47	145	493	816	1414	1442	1490	1327	756	386	43	8400	1454	4346	2469
1923-24	17	89	210	598	846	1045	1773	1277	1166	720	521	164	8426	1654	4095	2407
1924-25	63	87	330	417	942	1606	1516	1215	1038	537	451	79	8281	1689	4337	2026
1925-26	36	46	116	834	1008	1500	1485	1232	1324	795	337	178	8891	1958	4217	2456
1926-27	31	58	254	632	1095	1491	1578	1142	936	690	433	155	8495	1981	4211	2059
1927-28	45	125	130	465	942	1507	1451	1263	1122	828	329	190	8397	1537	4221	2279
1928-29	24	51	285	499	891	1240	1860	1526	992	624	454	160	8606	1675	4626	2070
1929-30	24	80	207	542	1062	1364	1693	1145	1107	660	318	75	8277	1811	4202	2085
1930-31	17	29	150	595	852	1324	1302	1042	1085	621	395	50	7462	1597	3668	2101
1931-32	0	49	65	405	720	1076	1256	1196	1296	726	337	57	7183	1190	3528	2359
1932-33	13	28	194	598	1053	1392	1212	1366	1144	720	329	20	8069	1845	3970	2193
1933-34	11	64	86	604	1062	1410	1293	1434	1209	723	206	41	8143	1752	4137	2138
1934-35	17	87	229	480	813	1435	1609	1252	1038	741	468	169	8338	1522	4296	2247
1935-36	0	38	205	555	996	1401	1693	1711	1070	822	220	133	8844	1756	4805	2112
1936-37	0	27	124	636	1056	1252	1562	1324	1197	735	323	105	8341	1816	4138	2255
1937-38	9	10	171	645	1014	1442	1553	1182	933	624	363	103	8049	1830	4177	1920
1938-39	21	21	202	390	903	1342	1352	1400	1128	762	264	74	7859	1495	4094	2154
1939-40	11	36	126	546	897	1110	1693	1235	1259	768	418	103	8202	1569	4038	2445
1940-41	15	61	164	465	1011	1302	1401	1330	1246	513	234	70	7812	1640	4033	1993
1941-42	12	39	136	490	852	1135	1488	1308	992	507	377	102	7438	1478	3931	1876
1942-43	24	57	246	521	951	1488	1615	1299	1271	729	383	50	8634	1718	4402	2383
1943-44	12	33	297	533	1038	1324	1246	1224	1215	780	254	63	8019	1868	3794	2249
1944-45	24	28	174	533	807	1476	1621	1305	787	630	465	180	8030	1514	4402	1882
1945-46	53	43	207	592	963	1513	1438	1305	815	573	406	124	8032	1762	4256	1794
1946-47	23	74	202	417	876	1290	1376	1392	1153	735	496	164	8198	1495	4058	2384
1947-48	25	7	143	271	1080	1361	1665	1352	1156	570	392	105	8127	1494	4378	2118
1948-49	17	30	103	552	813	1330	1407	1294	1113	639	312	46	7656	1468	4031	2064
1949-50	8	28	288	428	945	1293	1488	1316	1259	876	386	94	8409	1661	4097	2521
1950-51	59	131	226	426	1074	1569	1618	1316	1200	714	262	151	8746	1726	4503	2176
1951-52	33	100	277	542	1188	1432	1479	1170	1194	561	351	72	8399	2007	4081	2106
1952-53	13	63	179	691	879	1224	1358	1254	1054	741	354	70	7880	1749	3836	2149
1953-54	17	27	176	384	789	1243	1504	1033	1135	603	477	67	7455	1349	3780	2215
1954-55	24	70	186	539	867	1302	1516	1299	1175	483	269	102	7832	1592	4117	1927
1955-56	0	10	166	480	1065	1482	1445	1291	1234	750	400	65	8388	1711	4218	2384
1956-57	62	56	282	384	948	1286	1699	1198	1082	636	395	97	8125	1614	4183	2113

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SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASON	SON	DJF	MAM
1957-58	17	50	234	580	954	1243	1417	1411	1051	627	348	183	8115	1768	4071	2026
1958-59	41	40	186	465	885	1566	1724	1442	1215	663	239	68	8534	1536	4732	2117
1959-60	30	14	152	645	1182	1141	1383	1260	1389	615	398	137	8346	1979	3784	2402
1960-61	42	41	143	546	858	1426	1528	1106	1011	753	418	92	7964	1547	4060	2182
1961-62	27	40	138	480	927	1435	1674	1400	1153	675	237	108	8294	1545	4509	2065
1962-63	58	47	265	471	903	1407	1823	1506	1091	597	400	70	8638	1639	4736	2088
1963-64	16	76	202	271	789	1600	1327	1184	1132	636	220	81	7534	1262	4111	1988
1964-65	13	85	234	586	831	1429	1569	1369	1283	762	262	124	8547	1651	4367	2307
1965-66	45	73	251	518	906	1128	1708	1268	992	735	465	68	8157	1675	4104	2192
1966-67	8	67	218	546	930	1364	1414	1445	1110	660	493	87	8342	1694	4223	2263
1967-68	48	109	223	567	1020	1293	1485	1372	884	603	412	102	8118	1810	4150	1899
1968-69	33	47	154	474	909	1352	1578	1224	1218	636	337	236	8198	1537	4154	2191
1969-70	32	20	191	604	987	1336	1736	1344	1159	612	334	78	8433	1782	4416	2105
1970-71	10	33	176	474	933	1367	1708	1338	1218	693	412	47	8409	1583	4413	2323
1971-72	42	80	128	335	915	1259	1665	1397	1246	798	262	139	8266	1378	4321	2306
1972-73	37	58	229	632	945	1463	1367	1201	843	705	442	64	7986	1806	4031	1990
1973-74	14	23	181	372	924	1358	1485	1327	1088	615	439	145	7971	1477	4170	2142
1974-75	14	66	306	558	885	1224	1407	1294	1240	831	229	87	8141	1749	3925	2300
1975-76	12	40	297	459	756	1330	1628	1120	1032	594	412	47	7727	1512	4078	2038
1976-77	12	57	223	670	1137	1668	1906	1254	887	522	161	124	8621	2030	4828	1570
1977-78	10	95	191	558	942	1438	1662	1470	1187	732	301	113	8699	1691	4570	2220
1978-79	48	45	116	558	942	1454	1820	1543	1122	756	412	118	8934	1616	4817	2290
1979-80	24	77	161	604	948	1172	1491	1344	1187	621	264	124	8017	1713	4007	2072
1980-81	16	38	197	670	906	1386	1522	1179	961	591	386	81	7933	1773	4087	1938
1981-82	25	49	240	645	852	1324	1795	1350	1141	768	229	197	8615	1737	4469	2138
1982-83	19	82	240	496	942	1128	1342	1081	1038	750	502	86	7706	1678	3551	2290
1983-84	0	17	171	502	861	1671	1593	1022	1234	639	412	71	8193	1534	4286	2285
1984-85	28	24	243	465	912	1265	1631	1344	939	534	242	131	7758	1620	4240	1715
1985-86	24	73	174	536	1020	1680	1491	1308	998	531	269	113	8217	1730	4479	1798
1986-87	13	89	181	524	1041	1256	1342	1039	927	525	239	33	7209	1746	3637	1691
1987-88	8	47	157	679	819	1162	1600	1386	1029	630	229	34	7780	1655	4148	1888
1988-89	6	13	157	688	858	1355	1246	1445	1212	708	366	118	8172	1703	4046	2286
1989-90	17	43	213	518	1026	1674	1197	1184	964	570	427	92	7925	1757	4055	1961
1990-91	33	56	138	574	780	1355	1600	1151	986	549	209	41	7472	1492	4106	1744
1991-92	21	30	218	561	1065	1268	1314	1075	1073	735	326	145	7831	1844	3657	2134
1992-93	87	107	243	589	987	1293	1432	1296	1104	759	340	141	8378	1819	4021	2203
1993-94	24	28	321	611	951	1252	1798	1439	1032	636	326	64	8482	1883	4489	1994
1994-95	33	89	114	465	801	1132	1401	1271	995	768	357	33	7459	1380	3804	2120
1995-96	11	9	234	508	1146	1445	1581	1322	1240	774	445	102	8817	1888	4348	2459
1996-97	55	38	166	546	1095	1339	1541	1190	1088	702	508	78	8346	1807	4070	2298
1997-98	37	93	166	521	984	1147	1314	932	995	564	189	84	7026	1671	3393	1748
1998-99	16	23	85	450	762	1138	1550	1016	976	555	254	71	6896	1297	3704	1785
1999-00	5	61	189	555	711	1243	1460	1075	784	660	282	97	7122	1455	3778	1726
2000-01	39	40	194	423	915	1631	1352	1291	1091	522	277	87	7862	1532	4274	1890
2001-02	13	17	210	536	639	1082	1200	1036	1166	633	459	65	7056	1385	3318	2258
2002-03	0	34	98	642	936	1197	1519	1378	1076	699	383	120	8082	1676	4094	2158
2003-04	24	21	166	536	870	1150	1624	1190	924	600	392	127	7624	1572	3964	1916
2004-05	45	105	89	477	783	1293	1485	1078	1141	543	392	25	7456	1349	3856	2076
2005-06	12	23	77	437	855	1401	1085	1246	995	489	298	87	7005	1369	3732	1782
2006-07	6	31	218	636	783	1110	1293	1420	918	654	242	54	7365	1637	3823	1814
2007-08	21	26	118	341	915	1376	1463	1380	1172	615	403	78	7908	1374	4219	2190
2008-09	19	45	134	524	906	1528	1730	1196	1066	657	320	98	8223	1564	4454	2043
2009-10	69	64	134	645	702	1355	1429	1176	871	474	246	71	7236	1481	3960	1591
2010-11	7	12	207	443	831	1380	1544	1249	1113	699	377	102	7964	1481	4173	2189
2011-12	0	24	215	450	792	1113	1286	1014	601	609	213	44	6361	1457	3413	1423
2012-13	0	34	191	567	864	1113	1407	1282	1215	762	323	97	7855	1622	3802	2300
2013-14	21	39	150	508	942	1525	1739	1532	1302	729	332	72	8891	1600	4796	2363
2014-15	58	46	189	539	1089	1181	1469	1537	1026	615	280	106	8135	1817	4187	1921
2015-16	25	49	66	453	711	942	1414	1128	874	699	301	68	6730	1230	3484	1874
2016-17	12	17	81	405	657	1302	1324	1002	1054	534	374	60	6822	1143	3628	1962
2017-18	19	69	103	390	912	1398	1420	1235	1054	906	181	65	7752	1405	4053	2141
2018-19	13	21	120	586	1041	1144	1525	1336	1166	666	415	105	8138	1747	4005	2247
2019-20	8	51	106	552	1032	1172	1224	1212	921	717	363	60	7418	1690	3608	2001
2020-21	0	24	181	654	714	1159	1314	1422	859	582	323	29	7261	1549	3895	1764
2021-22	18	17	114	309	870	1122	1593	1268	1035	732	267	68	7413	1293	3983	2034
2022-23	16	31	130	521	810	1271	1190	1117	1060	582	309	71	7108	1461	3578	1951

Heating Degree Day Units - base 65°F: East central Wisconsin

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Multi-year Statistics

POR	1895-96 2022-23															
AVE	25.1	53.2	185.4	528.4	926.1	1340.7	1509.6	1296.0	1092.6	666.5	347.1	98.5	8066.2	1639.9	4143.1	2106.3
MEDIAN	21.0	47.0	186.0	536.0	919.5	1334.5	1488.0	1299.0	1094.0	660.0	348.0	90.0	8131.0	1650.5	4130.0	2118.0
Std	18.3	30.5	62.1	99.9	113.2	155.3	172.5	148.5	140.4	94.4	85.4	44.6	557.2	181.9	338.0	213.7
MAX	87	150	336	834	1188	1680	2074	1711	1398	909	567	236	9502	2126	5008	2521
MIN	0	7	65	271	639	942	1085	932	601	444	161	20	6361	1143	3318	1423
Interval	1901		2000													
AVE	26.1	56.8	195.0	531.8	938.1	1360.1	1531.3	1301.2	1099.0	674.7	353.9	103.3	8167.9	1664.9	4189.2	2127.6
MEDIAN	24.0	49.5	194.0	540.5	934.5	1353.5	1516.0	1306.5	1108.5	669.0	357.0	99.5	8173.5	1667.0	4156.0	2136.0
STD	18.2	30.9	58.6	95.9	103.8	150.9	170.1	145.4	132.7	94.3	88.4	47.0	489.6	165.8	321.4	206.6
MAX	87	150	336	834	1188	1680	2074	1711	1389	909	567	236	9502	2030	5008	2521
MIN	0	7	65	271	711	1045	1197	932	778	444	161	20	6896	1190	3393	1570
Interval	1991		2020													
AVE	23.2	41.5	158.0	511.6	879.4	1255.8	1450.8	1222.8	1034.0	650.8	326.9	81.6	7657.1	1548.9	3940.4	2011.7
MEDIAN	19.0	34.0	166.0	524.0	870.0	1243.0	1446.0	1223.5	1054.0	655.5	326.0	78.0	7688.0	1549.0	3962.0	2022.0
STD	20.8	26.5	59.2	86.7	134.0	151.9	159.2	153.5	139.7	96.5	79.8	29.2	619.2	199.4	341.8	239.3
MAX	87	107	321	654	1146	1631	1798	1537	1302	906	508	145	8891	1888	4796	2459
MIN	0	9	66	309	639	942	1085	932	601	474	181	25	6361	1143	3318	1423
Interval	1981		2010													
AVE	23.9	46.3	176.5	535.8	891.6	1321.0	1464.3	1216.5	1037.9	627.8	331.6	87.5	7771.8	1603.9	4002.1	1997.3
MEDIAN	20.0	39.0	172.5	530.0	888.0	1293.0	1474.0	1193.0	1030.5	631.5	326.0	85.0	7805.5	1628.5	4050.5	1977.5
STD	19.5	28.7	56.0	80.4	119.5	171.1	172.1	142.0	107.3	88.6	87.5	37.8	511.5	168.6	312.2	225.7
MAX	87	107	321	688	1146	1680	1798	1445	1240	774	508	197	8817	1888	4489	2459
MIN	0	9	77	341	639	1082	1085	932	784	474	189	25	6896	1297	3318	1591
Interval	1971		2000													
AVE	24.3	53.0	195.8	542.4	927.6	1350.3	1529.6	1246.4	1058.9	660.5	329.0	94.0	8003.6	1665.8	4117.6	2048.4
MEDIAN	20.0	48.0	190.0	550.5	933.0	1327.0	1531.5	1282.5	1035.0	649.5	326.0	89.5	8001.5	1697.0	4082.5	2096.0
STD	17.6	26.7	55.2	86.4	107.9	169.4	173.7	151.3	123.3	92.1	95.2	39.6	519.7	167.9	345.1	237.1
MAX	87	107	321	688	1146	1680	1906	1543	1246	831	508	197	8934	2030	4828	2459
MIN	0	9	85	335	711	1128	1197	932	784	522	161	33	6896	1297	3393	1570
Interval	1961		1990													
AVE	23.1	55.6	199.8	534.5	918.2	1377.8	1558.0	1294.8	1084.2	659.4	340.4	100.3	8150.1	1652.5	4232.9	2084.0
MEDIAN	18.0	52.5	194.0	541.0	919.5	1356.5	1573.5	1332.5	1100.5	637.5	351.5	92.0	8164.5	1676.5	4162.0	2121.5
STD	14.4	24.4	47.0	97.2	80.9	154.7	175.0	134.5	121.9	84.7	94.8	43.0	370.5	144.4	291.7	202.1
MAX	58	109	306	688	1137	1680	1906	1543	1283	831	502	236	8934	2030	4828	2323
MIN	0	13	116	271	756	1128	1197	1022	843	522	161	33	7209	1262	3551	1570
Interval	1951		1980													
AVE	26.6	54.9	202.1	522.1	935.0	1360.3	1570.8	1306.0	1127.1	664.3	346.8	102.2	8227.2	1659.2	4243.2	2138.2
MEDIAN	24.0	53.0	191.0	544.0	925.5	1361.0	1548.5	1307.5	1144.0	648.0	352.5	94.5	8232.0	1663.0	4162.0	2145.5
STD	15.9	24.8	49.5	100.8	100.3	127.1	151.4	118.8	119.9	80.3	87.1	40.9	344.7	175.8	286.8	164.8
MAX	62	109	306	691	1188	1668	1906	1543	1389	831	493	236	8934	2030	4828	2402
MIN	0	10	116	271	756	1128	1327	1033	843	483	161	47	7455	1262	3780	1570
Interval	1941		1970													
AVE	27.5	51.3	201.8	500.3	938.3	1361.2	1524.3	1300.6	1125.6	653.8	359.2	101.9	8146.7	1640.5	4183.9	2138.6
MEDIAN	24.0	45.0	196.5	519.5	928.5	1356.5	1496.0	1305.0	1153.0	636.0	380.0	93.0	8142.0	1645.0	4133.5	2117.5
STD	16.6	28.9	49.9	93.4	103.0	123.5	137.9	99.4	133.3	88.2	80.9	43.5	340.8	163.7	246.8	172.8
MAX	62	131	297	691	1188	1600	1823	1506	1389	876	496	236	8746	2007	4736	2521
MIN	0	7	103	271	789	1128	1246	1033	787	483	220	46	7438	1262	3780	1794
Interval	1931		1960													
AVE	21.1	45.4	185.6	511.4	951.3	1342.9	1480.4	1298.0	1136.5	672.9	350.7	95.5	8088.8	1648.4	4117.9	2160.1
MEDIAN	17.0	39.5	182.5	533.0	949.5	1336.0	1483.5	1302.0	1154.5	688.5	358.5	95.5	8120.0	1650.5	4095.5	2143.5
STD	16.3	27.3	57.4	94.1	114.0	128.6	145.3	122.9	130.6	94.8	78.2	42.8	386.8	178.9	279.4	179.1
MAX	62	131	297	691	1188	1569	1724	1711	1389	876	496	183	8844	2007	4805	2521
MIN	0	7	65	271	720	1076	1212	1033	787	483	206	20	7183	1190	3528	1794
Interval	1921		1950													
AVE	21.7	51.7	183.5	522.6	947.6	1358.8	1499.0	1302.0	1113.3	686.5	357.9	100.0	8123.7	1653.6	4149.1	2157.7

**Heating Degree Day Units - base 65°F: East central Wisconsin**

SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASON	SON	DJF	MAM
MEDIAN	17.0	46.5	184.0	527.0	948.0	1362.5	1488.0	1302.0	1125.0	720.0	370.0	98.0	8170.5	1657.5	4157.5	2128.0
STD	16.5	29.6	66.3	102.3	100.7	138.2	163.3	128.6	138.5	98.2	85.2	49.8	431.5	169.8	262.9	208.2
MAX	63	131	330	834	1095	1606	1860	1711	1327	876	521	190	8891	1981	4805	2521
MIN	0	7	65	271	720	1045	1212	1042	787	504	206	20	7053	1190	3528	1718

Interval	1911	1940														
AVE	24.5	61.6	186.3	543.0	948.4	1350.6	1542.7	1325.9	1127.3	699.2	358.7	108.1	8285.5	1677.7	4224.4	2185.3
MEDIAN	18.0	54.5	192.5	544.0	942.0	1353.0	1534.5	1300.5	1125.0	720.0	361.5	103.0	8279.0	1654.0	4206.5	2173.5
STD	20.7	32.9	66.9	108.8	97.9	164.2	203.3	162.2	118.9	90.4	85.3	58.4	542.5	178.7	343.3	178.4
MAX	82	150	336	834	1131	1658	2074	1711	1355	831	521	218	9348	1998	4839	2469
MIN	0	10	65	352	720	1045	1212	1042	933	444	206	20	7053	1190	3528	1718

Interval	1901	1930														
AVE	31.9	71.0	200.0	552.4	943.7	1383.3	1560.0	1336.9	1096.8	693.8	382.0	119.0	8370.8	1696.1	4280.2	2172.7
MEDIAN	32.0	59.0	207.0	547.5	939.0	1392.0	1528.5	1323.0	1089.5	685.5	386.0	123.0	8279.0	1663.0	4236.0	2139.0
STD	19.3	34.1	66.6	101.7	97.1	159.4	188.4	156.1	138.3	101.6	82.2	54.2	538.9	149.3	346.7	199.9
MAX	82	150	336	834	1131	1658	2074	1644	1355	909	567	218	9502	1998	5008	2469
MIN	0	26	83	352	762	1045	1302	1042	778	444	209	30	7053	1454	3668	1718

Data as of 7 Jul 2023