

Wisconsin State Climatology Office

Heating Degree Day Units - base 65°F: Southeast Wisconsin

Data Source: National Centers for Environmental Information Jan 1895 -Jun 2023

SEASON	Data Source: National Centers for Environmental Information												FALL WINTERSPRING			
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASON	SON	DJF	MAM
1894-95	--	--	--	--	--	--	1634	1478	1113	546	263	39	--	--	--	1922
1895-96	25	20	69	682	996	1221	1321	1182	1166	453	129	49	7313	1747	3724	1748
1896-97	12	21	241	629	966	1156	1414	1112	1091	630	342	98	7712	1836	3682	2063
1897-98	5	64	55	344	948	1420	1308	1184	893	615	293	46	7175	1347	3912	1801
1898-99	9	34	96	539	975	1435	1469	1453	1252	501	268	45	8076	1610	4357	2021
1899-00	14	18	187	359	741	1290	1271	1414	1206	531	217	78	7326	1287	3975	1954
1900-01	18	7	114	283	987	1212	1395	1470	1076	570	307	43	7482	1384	4077	1953
1901-02	0	22	146	417	960	1370	1376	1319	865	603	243	123	7444	1523	4065	1711
1902-03	11	74	224	432	687	1327	1414	1235	809	555	238	128	7134	1343	3976	1602
1903-04	15	76	149	474	990	1538	1665	1523	1060	756	288	90	8624	1613	4726	2104
1904-05	22	79	156	465	807	1367	1640	1473	927	600	323	82	7941	1428	4480	1850
1905-06	29	29	101	521	903	1203	1224	1238	1209	522	283	73	7335	1525	3665	2014
1906-07	17	14	62	499	882	1209	1410	1226	825	813	467	90	7514	1443	3845	2105
1907-08	15	63	170	561	927	1209	1314	1229	927	588	270	80	7353	1658	3752	1785
1908-09	11	35	51	465	864	1283	1336	1106	1042	723	334	82	7332	1380	3725	2099
1909-10	17	16	170	592	693	1504	1472	1344	676	513	420	55	7472	1455	4320	1609
1910-11	0	25	167	367	1050	1376	1386	1084	936	660	159	21	7231	1584	3846	1755
1911-12	7	40	119	530	1059	1125	1953	1417	1296	558	265	101	8470	1708	4495	2119
1912-13	18	65	123	456	852	1144	1364	1341	1094	549	309	42	7357	1431	3849	1952
1913-14	13	26	156	521	741	1035	1212	1476	1066	615	229	74	7164	1418	3723	1910
1914-15	8	29	144	350	846	1494	1550	1025	1070	363	434	155	7468	1340	4069	1867
1915-16	53	118	119	440	816	1277	1311	1350	1128	612	312	159	7695	1375	3938	2052
1916-17	0	15	203	518	891	1429	1547	1490	1008	693	440	139	8373	1612	4466	2141
1917-18	13	61	190	760	846	1510	1823	1257	840	696	200	87	8283	1796	4590	1736
1918-19	25	11	286	373	810	1045	1277	1142	964	594	356	22	6905	1469	3464	1914
1919-20	0	35	90	440	966	1584	1668	1296	973	762	348	52	8214	1496	4548	2083
1920-21	30	58	71	291	915	1181	1212	1050	790	435	213	17	6263	1277	3443	1438
1921-22	0	27	69	465	963	1240	1448	1218	936	597	170	43	7176	1497	3906	1703
1922-23	21	26	88	399	768	1311	1333	1386	1209	654	342	30	7567	1255	4030	2205
1923-24	9	53	153	539	813	998	1662	1193	1100	627	464	128	7739	1505	3853	2191
1924-25	35	56	274	347	882	1525	1457	1120	939	456	385	44	7520	1503	4102	1780
1925-26	16	28	64	790	966	1451	1395	1126	1228	747	283	145	8239	1820	3972	2258
1926-27	16	31	170	558	1047	1410	1460	1033	856	618	368	114	7681	1775	3903	1842
1927-28	18	86	75	382	831	1364	1370	1131	1004	726	250	151	7388	1288	3865	1980
1928-29	11	27	227	432	840	1172	1755	1428	871	540	382	119	7804	1499	4355	1793
1929-30	10	48	149	515	1020	1286	1615	986	1023	570	268	60	7550	1684	3887	1861
1930-31	7	15	101	542	828	1265	1221	963	1035	561	365	27	6930	1471	3449	1961
1931-32	0	22	40	350	645	1011	1162	1042	1243	642	260	34	6451	1035	3215	2145
1932-33	6	18	160	527	993	1311	1076	1266	1042	642	273	9	7323	1680	3653	1957
1933-34	6	44	58	542	969	1262	1184	1308	1116	615	147	16	7267	1569	3754	1878
1934-35	0	34	172	405	744	1376	1476	1168	905	675	452	139	7546	1321	4020	2032
1935-36	0	22	133	474	927	1367	1646	1621	936	750	167	98	8141	1534	4634	1853
1936-37	0	10	88	542	972	1169	1404	1240	1113	663	278	98	7577	1602	3813	2054
1937-38	7	7	127	577	978	1376	1451	1042	784	564	293	85	7291	1682	3869	1641
1938-39	11	14	153	361	822	1259	1224	1280	1004	693	207	43	7071	1336	3763	1904
1939-40	6	22	66	434	828	1060	1680	1165	1194	681	379	70	7585	1328	3905	2254
1940-41	8	39	146	396	963	1206	1321	1266	1153	438	198	55	7189	1505	3793	1789
1941-42	8	20	90	420	801	1066	1448	1246	908	438	307	70	6822	1311	3760	1653
1942-43	10	33	200	477	861	1451	1510	1218	1153	648	351	34	7946	1538	4179	2152
1943-44	7	18	238	496	1002	1274	1203	1156	1135	714	186	33	7462	1736	3633	2035
1944-45	13	17	108	465	765	1451	1553	1196	632	558	428	147	7333	1338	4200	1618
1945-46	29	32	160	549	882	1457	1336	1179	722	501	351	85	7283	1591	3972	1574
1946-47	10	52	135	336	822	1178	1283	1366	1125	642	434	124	7507	1293	3827	2201
1947-48	22	0	94	226	1056	1252	1600	1243	1045	468	385	88	7479	1376	4095	1898
1948-49	8	19	72	515	777	1237	1324	1215	1011	609	258	29	7074	1364	3776	1878
1949-50	0	19	249	379	867	1209	1308	1221	1169	789	320	77	7607	1495	3738	2278
1950-51	35	90	185	344	1026	1544	1531	1235	1104	666	229	130	8119	1555	4310	1999
1951-52	22	77	213	456	1119	1364	1376	1070	1116	516	309	40	7678	1788	3810	1941
1952-53	5	41	133	629	810	1169	1290	1103	967	693	280	40	7160	1572	3562	1940
1953-54	8	18	123	330	756	1184	1389	941	1070	510	417	32	6778	1209	3514	1997
1954-55	12	47	110	459	822	1231	1423	1207	1051	408	229	93	7092	1391	3861	1688
1955-56	0	6	114	420	1017	1404	1333	1184	1094	654	326	34	7586	1551	3921	2074
1956-57	28	31	190	316	876	1187	1609	1070	1008	573	351	68	7307	1382	3866	1932

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SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASON	SON	DJF	MAM
1957-58	10	32	187	539	894	1135	1395	1394	1001	567	263	153	7570	1620	3924	1831
1958-59	23	22	131	382	828	1482	1649	1327	1085	591	178	45	7743	1341	4458	1854
1959-60	18	8	91	567	1119	1060	1318	1212	1364	504	356	104	7721	1777	3590	2224
1960-61	24	24	86	471	804	1358	1448	997	930	714	373	63	7292	1361	3803	2017
1961-62	14	24	93	429	870	1358	1612	1271	1079	594	178	71	7593	1392	4241	1851
1962-63	38	26	211	391	843	1370	1770	1400	942	528	342	46	7907	1445	4540	1812
1963-64	9	49	146	217	726	1593	1237	1131	1038	570	169	52	6937	1089	3961	1777
1964-65	7	52	151	533	762	1358	1469	1271	1246	672	198	88	7807	1446	4098	2116
1965-66	20	52	158	456	825	1051	1628	1210	914	675	425	47	7461	1439	3889	2014
1966-67	0	47	163	487	828	1296	1314	1358	992	585	428	52	7550	1478	3968	2005
1967-68	29	91	175	496	957	1197	1395	1288	800	531	365	64	7388	1628	3880	1696
1968-69	18	24	125	429	861	1286	1516	1134	1107	561	283	163	7507	1415	3936	1951
1969-70	17	15	131	542	930	1277	1658	1238	1085	561	253	61	7768	1603	4173	1899
1970-71	7	22	135	417	885	1280	1637	1246	1119	621	356	30	7755	1437	4163	2096
1971-72	26	47	74	267	852	1135	1547	1296	1141	720	243	117	7465	1193	3978	2104
1972-73	21	33	149	570	900	1383	1259	1128	772	633	379	35	7262	1619	3770	1784
1973-74	7	14	123	324	843	1286	1401	1238	989	534	388	111	7258	1290	3925	1911
1974-75	8	49	232	484	816	1169	1324	1204	1150	771	200	60	7467	1532	3697	2121
1975-76	10	22	238	388	684	1218	1531	1022	874	516	373	42	6918	1310	3771	1763
1976-77	7	39	177	626	1092	1581	1860	1210	797	426	131	96	8042	1895	4651	1354
1977-78	0	65	138	518	870	1380	1624	1428	1122	639	280	68	8132	1526	4432	2041
1978-79	24	28	69	502	864	1367	1779	1462	1035	699	307	77	8213	1435	4608	2041
1979-80	17	54	117	518	885	1116	1429	1291	1110	585	236	100	7458	1520	3836	1931
1980-81	7	20	138	604	837	1286	1429	1117	908	489	353	52	7240	1579	3832	1750
1981-82	18	31	182	567	810	1280	1733	1285	1063	714	190	155	8028	1559	4298	1967
1982-83	10	57	175	423	864	1038	1268	1030	942	699	422	59	6987	1462	3336	2063
1983-84	0	9	131	434	792	1628	1522	952	1169	615	359	45	7656	1357	4102	2143
1984-85	18	15	175	420	855	1166	1612	1294	859	426	200	98	7138	1450	4072	1485
1985-86	11	52	106	471	927	1587	1420	1232	884	477	258	85	7510	1504	4239	1619
1986-87	8	71	119	462	957	1184	1302	969	868	498	196	19	6653	1538	3455	1562
1987-88	0	35	131	639	744	1116	1534	1291	946	573	207	22	7238	1514	3941	1726
1988-89	0	6	112	645	783	1249	1138	1378	1057	636	307	81	7392	1540	3765	2000
1989-90	11	36	185	446	948	1584	1110	1075	856	516	390	64	7221	1579	3769	1762
1990-91	19	32	98	508	711	1268	1510	1053	884	483	158	30	6754	1317	3831	1525
1991-92	8	20	156	484	993	1194	1240	997	961	687	293	119	7152	1633	3431	1941
1992-93	53	90	185	539	906	1228	1327	1215	1060	684	273	106	7666	1630	3770	2017
1993-94	13	19	269	539	882	1206	1683	1361	967	534	304	44	7821	1690	4250	1805
1994-95	18	67	94	414	747	1076	1386	1201	908	696	312	30	6949	1255	3663	1916
1995-96	5	0	187	440	1092	1352	1454	1218	1141	699	411	77	8076	1719	4024	2251
1996-97	36	27	140	471	1065	1268	1507	1100	955	660	446	68	7743	1676	3875	2061
1997-98	19	71	140	453	930	1116	1209	843	911	540	172	66	6470	1523	3168	1623
1998-99	10	16	62	405	705	1054	1472	935	958	519	222	51	6409	1172	3461	1699
1999-00	0	45	144	477	651	1172	1339	969	725	597	231	73	6423	1272	3480	1553
2000-01	26	27	127	356	876	1587	1330	1198	1026	462	243	78	7336	1359	4115	1731
2001-02	8	14	167	474	558	1035	1132	969	1057	561	399	43	6417	1199	3136	2017
2002-03	0	21	77	558	879	1153	1454	1254	983	612	345	104	7440	1514	3861	1940
2003-04	18	14	133	487	792	1100	1510	1120	815	531	301	101	6922	1412	3730	1647
2004-05	27	83	75	429	723	1224	1373	1000	1048	486	348	17	6833	1227	3597	1882
2005-06	9	15	46	408	783	1370	1014	1151	946	444	268	75	6529	1237	3535	1658
2006-07	5	21	172	589	732	1073	1228	1389	825	627	198	44	6903	1493	3690	1650
2007-08	15	17	91	286	852	1305	1383	1299	1073	540	376	56	7293	1229	3987	1989
2008-09	14	34	98	484	843	1435	1631	1117	949	609	270	81	7565	1425	4183	1828
2009-10	57	52	115	580	663	1274	1401	1131	828	417	215	43	6776	1358	3806	1460
2010-11	0	10	140	388	768	1367	1454	1182	1008	630	328	74	7349	1296	4003	1966
2011-12	0	21	163	417	732	1048	1221	974	519	570	178	30	5873	1312	3243	1267
2012-13	0	25	146	521	828	1029	1321	1229	1144	663	253	77	7236	1495	3579	2060
2013-14	16	31	114	471	906	1435	1677	1456	1209	633	275	59	8282	1491	4568	2117
2014-15	45	30	153	487	1047	1100	1407	1481	1011	555	253	95	7664	1687	3988	1819
2015-16	25	40	48	405	672	880	1361	1047	800	624	270	45	6217	1125	3288	1694
2016-17	7	11	54	353	615	1296	1228	893	952	459	342	45	6255	1022	3417	1753
2017-18	14	57	78	336	870	1293	1370	1162	986	849	161	60	7236	1284	3825	1996
2018-19	10	16	85	515	999	1104	1445	1235	1066	582	356	96	7509	1599	3784	2004
2019-20	0	38	66	518	1011	1057	1175	1126	837	660	326	42	6856	1595	3358	1823
2020-21	0	19	149	595	645	1128	1271	1394	790	513	275	21	6800	1389	3793	1578
2021-22	12	10	72	278	843	1017	1525	1187	921	684	224	49	6822	1193	3729	1829
2022-23	10	25	99	484	753	1234	1122	1033	961	516	265	63	6565	1336	3389	1742

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SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASON	SON	DJF	MAM
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Multi-year Statistics

POR	1895-96 2022-23															
AVE	13.5	34.3	135.0	465.0	864.9	1268.4	1425.2	1209.6	998.2	594.3	293.9	71.2	7369.9	1464.9	3899.5	1886.5
MEDIAN	11.0	27.5	133.0	468.0	861.0	1266.5	1404.0	1215.0	1008.0	594.0	283.0	66.0	7388.0	1470.0	3865.5	1911.0
Std	11.4	22.3	52.5	98.8	113.2	155.3	174.5	151.1	141.9	93.5	81.5	36.4	501.2	171.6	332.7	200.8
MAX	57	118	286	790	1119	1628	1953	1621	1364	849	467	163	8624	1895	4726	2278
MIN	0	0	40	217	558	880	1014	843	519	363	129	9	5873	1022	3136	1267
Interval	1901	2000														
AVE	13.5	36.3	141.8	466.2	875.8	1286.6	1444.0	1211.9	1003.0	601.7	299.4	74.4	7450.6	1483.7	3938.8	1904.0
MEDIAN	11.0	30.0	139.0	465.0	864.0	1275.5	1421.5	1218.0	1008.0	598.5	298.5	69.0	7466.0	1496.5	3888.0	1923.5
STD	10.9	23.0	51.9	96.6	105.0	152.6	175.8	148.2	137.8	93.4	85.1	38.7	456.1	161.6	323.7	200.1
MAX	53	118	286	790	1119	1628	1953	1621	1364	813	467	163	8624	1895	4726	2278
MIN	0	0	40	217	645	998	1076	843	632	363	131	9	6263	1035	3168	1354
Interval	1991	2020														
AVE	15.2	31.0	120.8	456.7	826.1	1192.8	1374.7	1143.5	951.7	587.1	284.2	64.3	7065.1	1403.6	3721.5	1823.1
MEDIAN	12.0	21.0	127.0	471.0	843.0	1172.0	1378.0	1141.0	959.5	589.5	274.0	63.0	7050.5	1389.0	3750.0	1825.5
STD	15.0	22.0	49.5	81.3	137.9	151.6	151.8	157.0	135.0	92.5	73.9	25.6	581.7	188.0	333.2	214.8
MAX	57	90	269	595	1092	1587	1683	1481	1209	849	446	119	8282	1719	4568	2251
MIN	0	0	46	278	558	880	1014	843	519	417	158	17	5873	1022	3136	1267
Interval	1981	2010														
AVE	14.5	33.6	134.4	475.9	827.7	1256.3	1388.4	1138.1	952.4	567.7	288.9	66.2	7151.3	1438.0	3780.1	1809.0
MEDIAN	11.0	27.0	132.0	471.0	826.5	1226.0	1393.5	1125.5	947.5	550.5	283.0	65.0	7186.5	1456.0	3788.0	1783.5
STD	13.9	23.7	45.7	79.1	119.1	167.4	170.6	143.9	100.2	88.5	80.3	31.3	474.7	155.8	307.5	206.3
MAX	57	90	269	645	1092	1628	1733	1389	1169	714	446	155	8076	1719	4298	2251
MIN	0	0	46	286	558	1035	1014	843	725	417	158	17	6409	1172	3136	1460
Interval	1971	2000														
AVE	13.7	36.6	145.8	479.8	862.7	1275.8	1452.9	1168.0	971.0	596.2	286.6	69.3	7349.9	1488.3	3886.4	1853.8
MEDIAN	10.5	32.5	139.0	474.0	864.0	1238.5	1441.5	1207.0	956.5	606.0	286.5	67.0	7327.0	1521.5	3834.0	1913.5
STD	11.4	21.7	47.9	88.0	109.8	167.9	182.2	155.1	119.2	93.7	85.2	32.5	503.4	164.7	353.1	225.5
MAX	53	90	269	645	1092	1628	1860	1462	1169	771	446	155	8213	1895	4651	2251
MIN	0	0	62	267	651	1038	1110	843	725	426	131	19	6409	1172	3168	1354
Interval	1961	1990														
AVE	12.7	37.2	145.2	473.8	850.7	1302.9	1483.5	1214.9	993.1	592.6	293.0	70.8	7474.8	1469.7	4004.3	1878.7
MEDIAN	10.5	34.0	138.0	477.5	853.5	1283.0	1492.5	1238.0	990.5	585.0	295.0	63.5	7463.0	1470.0	3951.0	1921.0
STD	9.2	19.4	40.5	98.4	82.2	159.3	186.4	132.9	123.4	88.5	87.2	33.9	368.0	144.8	302.1	198.1
MAX	38	91	238	645	1092	1628	1860	1462	1246	771	428	163	8213	1895	4651	2143
MIN	0	6	69	217	684	1038	1110	952	772	426	131	19	6653	1089	3336	1354
Interval	1951	1980														
AVE	14.5	36.0	144.0	458.9	872.5	1285.4	1491.7	1218.9	1036.7	593.9	294.8	72.7	7531.1	1475.4	4004.5	1925.5
MEDIAN	13.0	31.5	136.5	465.0	856.5	1286.0	1458.5	1223.5	1060.5	585.0	295.0	63.5	7528.5	1445.5	3924.5	1940.5
STD	9.4	19.6	43.4	100.6	101.6	133.1	160.9	125.0	126.2	84.5	82.3	35.2	355.4	173.7	299.2	167.8
MAX	38	91	238	629	1119	1593	1860	1462	1364	771	428	163	8213	1895	4651	2224
MIN	0	6	69	217	684	1051	1237	941	772	408	131	30	6778	1089	3514	1354
Interval	1941	1970														
AVE	15.0	33.6	146.6	439.1	879.7	1292.0	1441.5	1211.6	1034.9	582.6	305.7	72.9	7455.5	1465.4	3942.6	1923.1
MEDIAN	12.5	25.0	135.0	456.0	861.0	1278.5	1409.0	1216.5	1060.5	571.5	314.5	63.5	7493.0	1442.0	3905.0	1936.0
STD	10.0	22.3	46.1	93.9	103.3	137.6	142.1	105.8	143.8	89.9	83.0	37.4	319.3	156.7	246.0	175.4
MAX	38	91	249	629	1119	1593	1770	1400	1364	789	434	163	8119	1788	4540	2278
MIN	0	0	72	217	726	1051	1203	941	632	408	169	29	6778	1089	3514	1574
Interval	1931	1960														
AVE	11.2	27.9	135.1	446.1	891.5	1269.7	1390.8	1204.8	1042.8	599.1	299.2	70.0	7387.9	1472.7	3862.1	1941.2
MEDIAN	8.0	22.0	132.0	457.5	871.5	1255.5	1382.5	1213.5	1060.5	612.0	300.0	69.0	7397.5	1500.0	3820.0	1940.5
STD	9.5	19.4	52.0	91.6	114.0	136.4	154.7	130.9	146.6	94.4	82.8	40.2	373.7	174.0	288.9	186.0
MAX	35	90	249	629	1119	1544	1680	1621	1364	789	452	153	8141	1788	4634	2278
MIN	0	0	40	226	645	1011	1076	941	632	408	147	9	6451	1035	3215	1574
Interval	1921	1950														
AVE	11.0	31.0	134.8	459.5	888.6	1284.6	1403.9	1202.4	1012.7	608.7	305.5	73.7	7393.7	1482.9	3878.8	1926.9

Heating Degree Day Units - base 65°F: Southeast Wisconsin

SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASON	SON	DJF	MAM
MEDIAN	8.5	26.5	134.0	465.0	874.5	1269.5	1399.5	1205.5	1029.0	622.5	300.0	70.0	7470.5	1501.0	3867.0	1901.0
STD	9.5	20.3	60.5	103.9	102.0	141.0	169.7	135.2	153.7	96.6	88.2	43.4	417.7	173.5	268.6	220.0
MAX	35	90	274	790	1056	1544	1755	1621	1243	789	464	151	8239	1820	4634	2278
MIN	0	0	40	226	645	998	1076	963	632	435	147	9	6263	1035	3215	1438

Interval	1911	1940														
AVE	11.8	36.2	133.8	475.2	884.7	1274.8	1444.1	1221.5	1023.4	618.6	299.9	77.4	7509.0	1493.7	3946.0	1942.0
MEDIAN	8.5	28.5	130.0	460.5	867.0	1271.0	1426.0	1205.5	1015.5	622.5	288.0	72.0	7533.0	1498.0	3895.0	1933.0
STD	11.7	23.8	60.0	110.1	97.4	158.5	209.1	163.8	131.5	90.6	89.6	47.7	515.4	178.0	345.5	188.0
MAX	53	118	286	790	1059	1584	1953	1621	1296	762	464	159	8470	1820	4634	2258
MIN	0	7	40	291	645	998	1076	963	784	363	147	9	6263	1035	3215	1438

Interval	1901	1930														
AVE	14.9	42.9	142.2	481.4	882.1	1307.7	1462.3	1240.2	990.2	610.2	313.6	84.4	7572.2	1505.7	4010.2	1914.0
MEDIAN	14.0	33.0	147.5	465.0	873.0	1298.5	1412.0	1232.0	988.5	601.5	310.5	82.0	7493.0	1496.5	3922.0	1912.0
STD	11.4	25.5	59.9	106.4	97.6	155.4	186.5	157.5	141.2	100.3	82.9	43.2	505.0	148.2	341.0	197.4
MAX	53	118	286	790	1059	1584	1953	1523	1296	813	467	159	8624	1820	4726	2258
MIN	0	11	51	291	687	998	1212	963	676	363	159	17	6263	1255	3443	1438

Data as of 7 Jul 2023