

Wisconsin State Climatology Office

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

Data Source: National Centers for Environmental Information

Jan 1895 -Jul 2023

YEAR	Data Source: National Centers for Environmental Information												ANNUAL	SPRING SUMMER FALL WINTER			
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		MAM	JJA	SON	DJF
1895	0	0	0	0	27	147	143	191	75	0	0	0	583	27	481	75	0
1896	0	0	0	0	98	130	201	188	7	0	0	0	624	98	519	7	0
1897	0	0	0	0	14	74	260	104	91	9	0	0	552	14	438	100	0
1898	0	0	0	0	21	133	220	151	51	0	0	0	576	21	504	51	0
1899	0	0	0	0	26	135	187	204	13	8	0	0	573	26	526	21	0
1900	0	0	0	0	41	93	167	289	39	16	0	0	645	41	549	55	0
1901	0	0	0	0	18	139	372	186	23	0	0	0	738	18	697	23	0
1902	0	0	0	0	32	54	203	93	8	0	0	0	390	32	350	8	0
1903	0	0	0	0	34	50	180	91	23	0	0	0	378	34	321	23	0
1904	0	0	0	0	22	81	152	88	21	0	0	0	364	22	321	21	0
1905	0	0	0	0	16	88	134	162	47	0	0	0	447	16	384	47	0
1906	0	0	0	0	23	100	172	222	83	0	0	0	600	23	494	83	0
1907	0	0	0	0	0	81	182	106	17	0	0	0	386	0	369	17	0
1908	0	0	0	0	25	92	203	149	96	0	0	0	565	25	444	96	0
1909	0	0	0	0	15	88	172	209	17	0	0	0	501	15	469	17	0
1910	0	0	0	0	7	121	283	174	17	8	0	0	610	7	578	25	0
1911	0	0	0	0	73	195	245	139	35	0	0	0	687	73	579	35	0
1912	0	0	0	0	26	71	167	103	33	0	0	0	400	26	341	33	0
1913	0	0	0	0	18	141	190	172	21	0	0	0	542	18	503	21	0
1914	0	0	0	0	37	98	231	162	24	9	0	0	561	37	491	33	0
1915	0	0	0	6	6	35	96	53	35	0	0	0	231	12	184	35	0
1916	0	0	0	0	18	33	369	219	11	0	0	0	650	18	621	11	0
1917	0	0	0	0	6	43	190	108	13	0	0	0	360	6	341	13	0
1918	0	0	0	0	48	84	143	241	0	7	0	0	523	48	468	7	0
1919	0	0	0	0	12	190	289	147	57	0	0	0	695	12	626	57	0
1920	0	0	0	0	13	124	132	111	74	15	0	0	469	13	367	89	0
1921	0	0	0	0	43	212	397	167	75	0	0	0	894	43	776	75	0
1922	0	0	0	0	65	139	157	172	58	6	0	0	597	65	468	64	0
1923	0	0	0	0	14	165	223	118	21	0	0	0	541	14	506	21	0
1924	0	0	0	0	5	50	122	114	0	9	0	0	300	5	286	9	0
1925	0	0	0	0	10	137	174	165	82	0	0	0	568	10	476	82	0
1926	0	0	0	0	23	40	177	158	17	0	0	0	415	23	375	17	0
1927	0	0	0	0	11	60	169	80	69	7	0	0	396	11	309	76	0
1928	0	0	0	0	30	37	206	169	8	0	0	0	450	30	412	8	0
1929	0	0	0	0	10	56	214	125	23	0	0	0	428	10	395	23	0
1930	0	0	0	0	26	114	239	214	47	0	0	0	640	26	567	47	0
1931	0	0	0	0	11	177	313	186	112	9	0	0	808	11	676	121	0
1932	0	0	0	0	28	157	254	204	19	0	0	0	662	28	615	19	0
1933	0	0	0	0	25	270	248	131	88	0	0	0	762	25	649	88	0
1934	0	0	0	0	82	217	289	151	16	5	0	0	760	82	657	21	0
1935	0	0	0	0	6	43	319	186	28	0	0	0	582	6	548	28	0
1936	0	0	0	0	67	74	344	255	58	0	0	0	798	67	673	58	0
1937	0	0	0	0	24	74	237	286	31	0	0	0	652	24	597	31	0
1938	0	0	0	0	21	85	203	224	21	8	0	0	562	21	512	29	0
1939	0	0	0	0	45	139	254	184	78	0	0	0	700	45	577	78	0
1940	0	0	0	0	10	103	228	141	23	6	0	0	511	10	472	29	0
1941	0	0	0	0	49	121	234	193	57	0	0	0	654	49	548	57	0
1942	0	0	0	0	18	103	212	154	11	0	0	0	498	18	469	11	0
1943	0	0	0	0	13	157	237	204	7	0	0	0	618	13	598	7	0
1944	0	0	0	0	56	159	193	206	42	0	0	0	656	56	558	42	0
1945	0	0	0	0	7	39	134	156	19	0	0	0	355	7	329	19	0
1946	0	0	0	0	13	85	209	120	27	10	0	0	464	13	414	37	0
1947	0	0	0	0	6	52	155	345	52	28	0	0	638	6	552	80	0
1948	0	0	0	0	10	82	228	196	72	0	0	0	588	10	506	72	0
1949	0	0	0	0	28	170	283	198	6	7	0	0	692	28	651	13	0
1950	0	0	0	0	16	95	122	77	14	9	0	0	333	16	294	23	0
1951	0	0	0	0	37	49	155	90	9	0	0	0	340	37	294	9	0
1952	0	0	0	0	18	145	260	137	28	0	0	0	588	18	542	28	0
1953	0	0	0	0	23	145	234	204	33	11	0	0	650	23	583	44	0
1954	0	0	0	0	7	161	198	127	41	0	0	0	534	7	486	41	0
1955	0	0	0	0	37	78	347	297	39	0	0	0	798	37	722	39	0
1956	0	0	0	0	16	157	137	158	13	12	0	0	493	16	452	25	0
1957	0	0	0	0	13	104	212	156	13	0	0	0	498	13	472	13	0
1958	0	0	0	0	27	36	150	186	29	7	0	0	435	27	372	36	0
1959	0	0	0	0	60	135	169	277	55	0	0	0	696	60	581	55	0
1960	0	0	0	0	12	68	148	179	59	0	0	0	466	12	395	59	0

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
1961	0	0	0	0	11	111	187	179	54	0	0	0	542	11	477	54	0
1962	0	0	0	0	60	101	116	172	10	6	0	0	465	60	389	16	0
1963	0	0	0	0	14	133	223	123	23	31	0	0	547	14	479	54	0
1964	0	0	0	0	66	124	239	120	22	0	0	0	571	66	483	22	0
1965	0	0	0	0	49	82	160	120	20	0	0	0	431	49	362	20	0
1966	0	0	0	0	7	131	277	127	19	0	0	0	561	7	535	19	0
1967	0	0	0	0	7	124	134	76	16	0	0	0	357	7	334	16	0
1968	0	0	0	0	11	109	169	179	32	0	0	0	500	11	457	32	0
1969	0	0	0	0	23	31	172	214	29	0	0	0	469	23	417	29	0
1970	0	0	0	0	29	112	239	186	27	0	0	0	593	29	537	27	0
1971	0	0	0	0	12	168	141	127	71	19	0	0	538	12	436	90	0
1972	0	0	0	0	32	57	157	154	23	0	0	0	423	32	368	23	0
1973	0	0	0	0	10	155	237	222	33	11	0	0	668	10	614	44	0
1974	0	0	0	0	9	63	234	123	7	0	0	0	436	9	420	7	0
1975	0	0	0	0	48	114	214	184	7	6	0	0	573	48	512	13	0
1976	0	0	0	0	11	141	237	141	15	0	0	0	545	11	519	15	0
1977	0	0	0	0	97	75	268	103	27	0	0	0	570	97	446	27	0
1978	0	0	0	0	23	104	148	165	75	0	0	0	515	23	417	75	0
1979	0	0	0	0	18	95	172	116	36	0	0	0	437	18	383	36	0
1980	0	0	0	0	34	73	239	193	27	0	0	0	566	34	505	27	0
1981	0	0	0	0	12	124	167	158	14	0	0	0	475	12	449	14	0
1982	0	0	0	0	53	35	209	113	16	0	0	0	426	53	357	16	0
1983	0	0	0	0	7	116	326	266	29	0	0	0	744	7	708	29	0
1984	0	0	0	0	12	135	167	217	16	0	0	0	547	12	519	16	0
1985	0	0	0	0	48	74	206	120	43	0	0	0	491	48	400	43	0
1986	0	0	0	0	28	85	234	96	35	0	0	0	478	28	415	35	0
1987	0	0	0	0	50	202	277	149	29	0	0	0	707	50	628	29	0
1988	0	0	0	0	45	190	301	297	40	0	0	0	873	45	788	40	0
1989	0	0	0	0	18	90	203	145	14	0	0	0	470	18	438	14	0
1990	0	0	0	0	9	109	165	156	50	0	0	0	489	9	430	50	0
1991	0	0	0	0	74	168	228	193	21	0	0	0	684	74	589	21	0
1992	0	0	0	0	21	56	96	77	14	0	0	0	264	21	229	14	0
1993	0	0	0	0	25	67	190	198	0	0	0	0	480	25	455	0	0
1994	0	0	0	0	19	137	169	101	52	5	0	0	483	19	407	57	0
1995	0	0	0	0	18	168	260	321	13	0	0	0	780	18	749	13	0
1996	0	0	0	0	8	95	120	169	26	0	0	0	418	8	384	26	0
1997	0	0	0	0	6	104	162	96	26	0	0	0	394	6	362	26	0
1998	0	0	0	0	64	108	209	211	83	5	0	0	680	64	528	88	0
1999	0	0	0	0	39	126	326	129	24	0	0	0	644	39	581	24	0
2000	0	0	0	0	36	100	141	169	31	8	0	0	485	36	410	39	0
2001	0	0	0	0	32	93	234	224	17	0	0	0	600	32	551	17	0
2002	0	0	0	0	9	139	301	188	68	0	0	0	705	9	628	68	0
2003	0	0	0	0	13	68	169	224	28	0	0	0	502	13	461	28	0
2004	0	0	0	0	19	71	139	83	69	0	0	0	381	19	293	69	0
2005	0	0	0	0	13	215	217	214	103	5	0	0	767	13	646	108	0
2006	0	0	0	0	26	96	265	188	16	0	0	0	591	26	549	16	0
2007	0	0	0	0	49	137	182	206	55	16	0	0	645	49	525	71	0
2008	0	0	0	0	10	119	185	151	50	0	0	0	515	10	455	50	0
2009	0	0	0	0	25	90	91	120	37	0	0	0	363	25	301	37	0
2010	0	0	0	0	42	139	286	255	26	6	0	0	754	42	680	32	0
2011	0	0	0	0	15	98	316	188	19	0	0	0	636	15	602	19	0
2012	0	0	11	0	60	165	406	174	23	0	0	0	839	71	745	23	0
2013	0	0	0	0	29	95	177	158	39	0	0	0	498	29	430	39	0
2014	0	0	0	0	24	116	107	160	21	0	0	0	428	24	383	21	0
2015	0	0	0	0	29	77	143	139	99	5	0	0	492	29	359	104	0
2016	0	0	0	0	25	135	239	243	93	9	0	0	744	25	617	102	0
2017	0	0	0	0	14	135	185	113	66	10	0	0	523	14	433	76	0
2018	0	0	0	0	71	114	214	209	61	0	0	0	669	71	537	61	0
2019	0	0	0	0	12	75	277	143	78	0	0	0	585	12	495	78	0
2020	0	0	0	0	16	141	298	196	23	0	0	0	674	16	635	23	0
2021	0	0	0	0	24	198	201	252	72	17	0	0	764	24	651	89	0
2022	0	0	0	0	38	130	214	174	47	0	0	0	603	38	518	47	0
2023	0	0	0	0	27	112	220							27			

Multi-year Statistics

Interval/	1895	2022															
AVE	0.0	0.0	0.1	0.0	27.0	110.5	211.3	168.4	36.6	2.9	0.0	0.0	556.8	27.1	490.1	39.5	0.0
MEDIAN	0.0	0.0	0.0	0.0	22.5	106.0	204.5	166.0	28.0	0.0	0.0	0.0	556.5	22.5	482.0	29.0	0.0

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
STD	0.00	0.00	0.97	0.53	19.88	45.62	64.11	54.82	25.52	5.53	0.00	0.00	132.02	20.00	119.45	26.91	0.00
MAX	0	0	11	6	98	270	406	345	112	31	0	0	894	98	788	121	0
MIN	0	0	0	0	0	31	91	53	0	0	0	0	231	0	184	0	0
Count	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128

Interval/	1901	2000															
AVE	0.0	0.0	0.0	0.1	26.3	107.9	210.1	164.3	33.0	2.6	0.0	0.0	544.4	26.4	482.3	35.7	0.0
MEDIAN	0.0	0.0	0.0	0.0	20.0	103.5	204.5	160.0	26.5	0.0	0.0	0.0	541.5	20.0	472.0	28.0	0.0
STD	0.00	0.00	0.00	0.60	19.87	47.71	63.02	56.01	23.56	5.52	0.00	0.00	133.95	19.81	121.17	24.62	0.00
MAX	0	0	0	6	97	270	397	345	112	31	0	0	894	97	788	121	0
MIN	0	0	0	0	0	31	96	53	0	0	0	0	231	0	184	0	0

Interval/	1951	2000															
AVE	0.0	0.0	0.0	0.0	28.3	109.4	202.6	164.3	29.4	2.4	0.0	0.0	536.3	28.3	476.3	31.8	0.0
MEDIAN	0.0	0.0	0.0	0.0	22.0	109.0	200.5	157.0	27.0	0.0	0.0	0.0	507.5	22.0	453.5	27.0	0.0
STD	0.00	0.00	0.00	0.00	20.72	39.78	56.93	56.56	17.77	5.74	0.00	0.00	120.36	20.72	113.13	19.33	0.00
MAX	0	0	0	0	97	202	347	321	83	31	0	0	873	97	788	90	0
MIN	0	0	0	0	6	31	96	76	0	0	0	0	264	6	229	0	0

Interval/	1991	2020															
AVE	0.0	0.0	0.4	0.0	28.1	114.9	211.1	174.7	42.7	2.3	0.0	0.0	574.1	28.5	500.6	45.0	0.0
MEDIAN	0.0	0.0	0.0	0.0	24.5	111.0	199.5	181.0	29.5	0.0	0.0	0.0	588.0	24.5	510.0	34.5	0.0
STD	0.0	0.0	2.0	0.0	18.5	35.5	74.4	53.6	28.0	4.0	0.0	0.0	140.3	19.2	130.4	30.0	0.0
MAX	0	0	11	0	74	215	406	321	103	16	0	0	839	74	749	108	0
MIN	0	0	0	0	6	56	91	77	0	0	0	0	264	6	229	0	0

Interval/	1981	2010															
AVE	0.0	0.0	0.0	0.0	27.7	115.2	207.5	174.5	34.8	1.5	0.0	0.0	561.2	27.7	497.2	36.3	0.0
MEDIAN	0.0	0.0	0.0	0.0	23.0	108.5	204.5	169.0	28.5	0.0	0.0	0.0	508.5	23.0	458.0	29.0	0.0
STD	0.0	0.0	0.0	0.0	18.1	42.2	63.0	61.5	22.8	3.5	0.0	0.0	144.8	18.1	136.1	24.3	0.0
MAX	0	0	0	0	74	215	326	321	103	16	0	0	873	74	788	108	0
MIN	0	0	0	0	6	35	91	77	0	0	0	0	264	6	229	0	0

Interval/	1971	2000															
AVE	0.0	0.0	0.0	0.0	29.5	111.1	206.8	163.6	29.9	1.8	0.0	0.0	542.8	29.5	481.5	31.7	0.0
MEDIAN	0.0	0.0	0.0	0.0	22.0	106.0	207.5	155.0	26.5	0.0	0.0	0.0	503.0	22.0	442.0	26.5	0.0
STD	0.0	0.0	0.0	0.0	21.9	41.1	57.1	58.1	19.7	4.2	0.0	0.0	128.7	21.9	122.3	21.8	0.0
MAX	0	0	0	0	97	202	326	321	83	19	0	0	873	97	788	90	0
MIN	0	0	0	0	6	35	96	77	0	0	0	0	264	6	229	0	0

Interval/	1961	1990															
AVE	0.0	0.0	0.0	0.0	28.4	108.8	207.3	158.0	28.6	2.4	0.0	0.0	533.6	28.4	474.1	31.1	0.0
MEDIAN	0.0	0.0	0.0	0.0	20.5	110.0	207.5	151.5	27.0	0.0	0.0	0.0	526.5	20.5	447.5	27.0	0.0
STD	0.0	0.0	0.0	0.0	21.9	39.3	51.2	49.0	16.5	6.7	0.0	0.0	104.4	21.9	101.4	18.6	0.0
MAX	0	0	0	0	97	202	326	297	75	31	0	0	873	97	788	90	0
MIN	0	0	0	0	7	31	116	76	7	0	0	0	357	7	334	7	0

Interval/	1951	1980															
AVE	0.0	0.0	0.0	0.0	27.4	106.0	199.1	161.2	29.7	3.4	0.0	0.0	526.8	27.4	466.3	33.2	0.0
MEDIAN	0.0	0.0	0.0	0.0	20.5	110.0	192.5	157.0	27.0	0.0	0.0	0.0	536.0	20.5	464.5	27.5	0.0
STD	0.0	0.0	0.0	0.0	21.2	37.5	52.3	49.2	17.6	7.0	0.0	0.0	96.1	21.2	89.4	19.3	0.0
MAX	0	0	0	0	97	168	347	297	75	31	0	0	798	97	722	90	0
MIN	0	0	0	0	7	31	116	76	7	0	0	0	340	7	294	7	0

Interval/	1941	1970															
AVE	0.0	0.0	0.0	0.0	24.8	106.6	197.8	171.9	29.3	4.0	0.0	0.0	534.3	24.8	476.3	33.3	0.0
MEDIAN	0.0	0.0	0.0	0.0	17.0	110.0	195.5	175.5	27.0	0.0	0.0	0.0	538.0	17.0	478.0	28.5	0.0
STD	0.0	0.0	0.0	0.0	18.1	39.4	53.5	59.3	17.5	7.8	0.0	0.0	112.4	18.1	102.2	18.9	0.0
MAX	0	0	0	0	66	170	347	345	72	31	0	0	798	66	722	80	0
MIN	0	0	0	0	6	31	116	76	6	0	0	0	333	6	294	7	0

Interval/	1931	1960															
AVE	0.0	0.0	0.0	0.0	26.2	116.0	223.5	186.9	36.7	3.7	0.0	0.0	593.0	26.2	526.5	40.4	0.0
MEDIAN	0.0	0.0	0.0	0.0	19.5	103.5	228.0	186.0	28.5	0.0	0.0	0.0	603.0	19.5	548.0	33.5	0.0
STD	0.0	0.0	0.0	0.0	19.4	54.6	60.8	59.2	25.8	6.1	0.0	0.0	132.4	19.4	112.1	26.4	0.0
MAX	0	0	0	0	82	270	347	345	112	28	0	0	808	82	722	121	0
MIN	0	0	0	0	6	36	122	77	6	0	0	0	333	6	294	7	0

Interval/	1921	1950															
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Cooling Degree Day Units - base 65°F: Southeast Wisconsin

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	MAM	JJA	SON	DJF
AVE	0.0	0.0	0.0	0.0	25.7	113.7	225.8	176.0	39.4	3.5	0.0	0.0	584.1	25.7	515.5	42.8	0.0
MEDIAN	0.0	0.0	0.0	0.0	19.5	103.0	225.5	170.5	27.5	0.0	0.0	0.0	592.5	19.5	530.0	30.0	0.0
STD	0.0	0.0	0.0	0.0	20.2	59.0	63.3	55.3	28.9	5.8	0.0	0.0	146.1	20.2	122.8	29.5	0.0
MAX	0	0	0	0	82	270	397	345	112	28	0	0	894	82	776	121	0
MIN	0	0	0	0	5	37	122	77	0	0	0	0	300	5	286	7	0

Interval/	1911	1940															
AVE	0.0	0.0	0.0	0.2	27.1	112.1	227.3	162.8	39.2	2.7	0.0	0.0	571.5	27.3	502.2	41.9	0.0
MEDIAN	0.0	0.0	0.0	0.0	22.0	100.5	225.5	163.5	29.5	0.0	0.0	0.0	565.0	22.0	504.5	32.0	0.0
STD	0.0	0.0	0.0	1.1	21.1	63.1	71.7	51.4	28.6	4.1	0.0	0.0	155.7	20.9	134.7	29.3	0.0
MAX	0	0	0	6	82	270	397	286	112	15	0	0	894	82	776	121	0
MIN	0	0	0	0	5	33	96	53	0	0	0	0	231	5	184	7	0

Interval/	1901	1930															
AVE	0.0	0.0	0.0	0.2	22.9	97.3	206.1	147.2	35.2	2.0	0.0	0.0	510.9	23.1	450.6	37.2	0.0
MEDIAN	0.0	0.0	0.0	0.0	18.0	88.0	186.0	153.5	23.0	0.0	0.0	0.0	512.0	18.0	456.0	24.0	0.0
STD	0.0	0.0	0.0	1.1	16.8	49.4	71.9	46.6	26.6	3.9	0.0	0.0	141.6	16.6	128.8	27.1	0.0
MAX	0	0	0	6	73	212	397	241	96	15	0	0	894	73	776	96	0
MIN	0	0	0	0	0	33	96	53	0	0	0	0	231	0	184	7	0

Data as of 4 Aug 2023