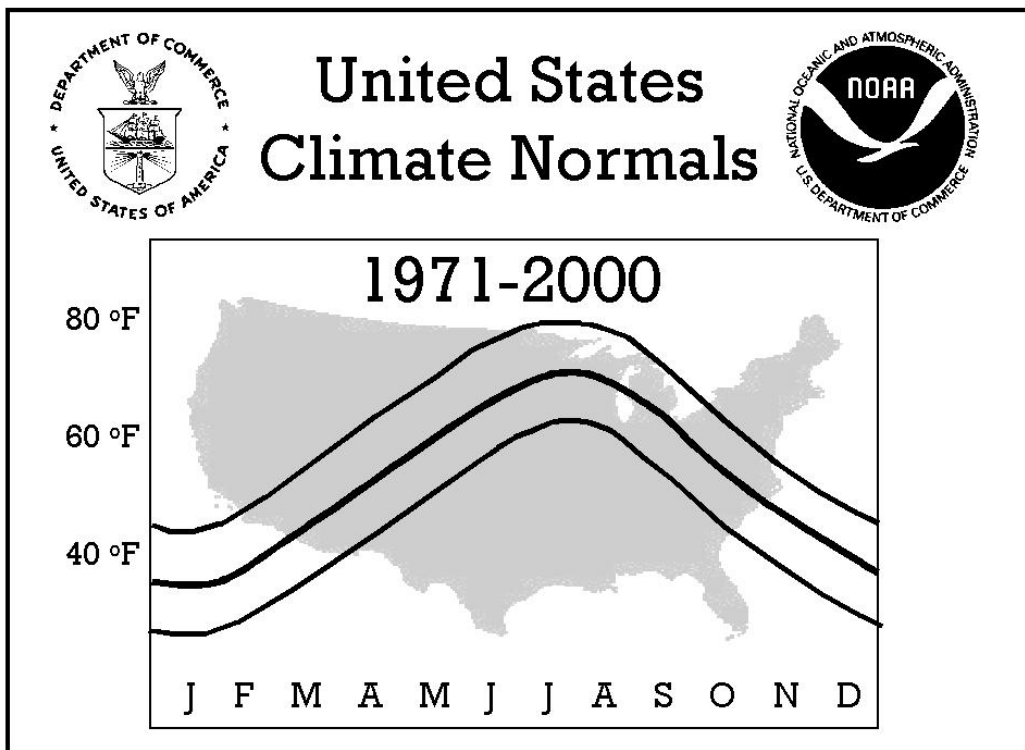




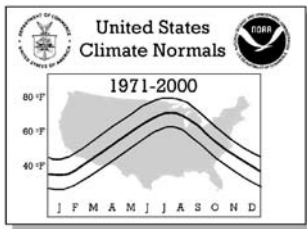
# State, Regional, And National Monthly Cooling Degree Days

## Weighted By Population (2000 Census) 1971 – 2000 (and previous normals periods)



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE  
NATIONAL CLIMATIC DATA CENTER  
ASHEVILLE, NC





# Population-Weighted Monthly Normals, 1971-2000 (and previous periods)

HISTORICAL CLIMATOGRAPHY SERIES 5-2

## Cooling Degree Days

### NOTES

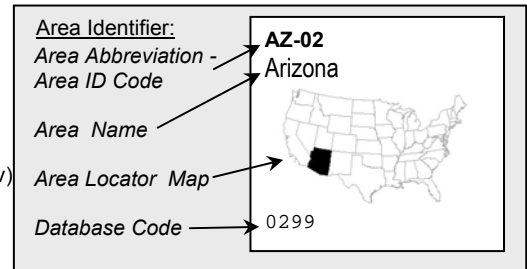
**Product Description:**

*Historical Climatology Series (HCS) 4-1,2,3 and 5-1,2* include normals and standard deviations for the five 30-year normals periods and the 70-year period between 1931-2000 for U.S. States, regions, and the conterminous United States. Statistics are based on weighted divisional data from *Climatology of the United States, Number 85* for U.S. States, and in turn from these state values for regional and national computations. Two sets of regions are included: 1.) U.S. Census Bureau regions, excluding Hawaii and Alaska from the Western Region; and 2.) NCDC regions used for climate monitoring (Karl and Koss, 1984). HCS 4-1,2, and 3 provide area-weighted temperature and precipitation statistics, while HCS 5-1,2 provide population-weighted degree day statistics. Population weights are based on the 2000 U.S. Census. Both area and population weights are provided on pages 4 and 5.

The normals and standard deviations include values for each of the 12 calendar months and an annual value, plus 4 seasonal averages in HCS 4-3. The data are presented by abbreviation/name and number for a state, region, or the conterminous U.S. State data for the conterminous United States are presented alphabetically, followed by data for Alaska, Hawaii, Puerto Rico, the Virgin Islands, and Pacific trust territories, followed by regional/national data. Data elements include time of observation-corrected mean temperature (°F), precipitation (inches), and heating and cooling degree days (base 65 °F).

**Abbreviations:**

- AVERAGE** = Mean of Element for all Months (or Annual Values) for the Given Period of Record.
- STD DEV** = Standard Deviation for all Months (or Annual Values) for the Given Period of Record.
- 31-00** = 1931 through 2000 Long-Term Period of Record. **WIN** = Winter Season (Dec-Feb)
- 31-60** = 1931 through 1960 Normal Period of Record. **SPR** = Spring Season (Mar-May)
- 41-70** = 1941 through 1970 Normal Period of Record. **SUM** = Summer Season (Jun-Aug)
- 51-80** = 1951 through 1980 Normal Period of Record. **AUT** = Autumn (Fall) Season (Sep-Nov)
- 61-90** = 1961 through 1990 Normal Period of Record. **Temp** = Temperature (deg F)
- 71-00** = 1971 through 2000 Normal Period of Record. **Prcp** = Precipitation (inches)



**Computational Procedures:**

State, regional, and national values are derived from divisional data. Monthly divisional average temperature and total precipitation data are derived by giving equal weight to all stations reporting both temperature and precipitation within an area, except for Hawaii, where any available stations (including precipitation-only stations) are used. The number of reporting stations within a division varies from month-to-month and year-to-year. Station data are *not* adjusted for inhomogeneities.

Temperature (and, resultantly, degree day) values are corrected for time of observation in the conterminous U.S. In the conterminous U.S., observers at National Weather Service cooperative stations often take one observation per day, and the ending time of the climatological day can vary from station-to-station as well as year-to-year. Differences of the 24-hour period over which maximum and minimum temperature (as well as average temperature) is reported impact the calculated monthly mean temperature. These potential biases are rectified by adjusting for varying observation times using a model (Karl *et al.*, 1986) to adjust the climate division averages so that stations end the climatological day at midnight (*i.e.*, climatological/calendar day coincide).

Monthly divisional temperature normals and 70-year averages are computed by adding the yearly values for a given month and then dividing by the number of years in the period. The annual normal and 70-year average are computed by adding all of the monthly normal or long-term average values and then dividing by 12. Precipitation normals and long-term means are computed in a similar manner, except for the annual, which is the sum of monthly values.

Sequential monthly degree days are derived using a modification of the Rational Conversion Formulae developed by Thom (1954, 1966). This technique utilizes the historical monthly average temperature and its corresponding standard deviation (over the standardizing period 1931-2000) to compute degree days. The modified Thom technique derives the monthly degree days using a spline fit of the monthly mean temperature and standard deviations to ameliorate the month-to-month step function that is inherent with only a single monthly input. The procedure for the computation of the divisional degree day normals involves i.) Calculation of the standard deviations of the temperatures for each of the 12 calendar months over the standardizing period; ii.) Use of the modified Thom technique to compute the heating and cooling degree days for every month and year in the period 1931-2000; and iii.) Calculation of the 30-year normals and 70-year (1931-2000) long-term averages of the degree days using the procedure discussed above. Standard deviations are computed using the sum and sum square values from the corresponding period of month-year sequential values. For annual temperature, the sum and sum square of the annual values are used, while for annual precipitation, the sum and sum square of monthly values are used.

**Database Codes:**

Database codes include four digits. The first two digits match the state identification codes listed on page 2 for U.S. States/Territories, or are assigned 56 for NCDC regions, 58 for U.S. Census regions, and 59 for the conterminous U.S. The second two digits are assigned 99 for U.S. States/Territories and the conterminous U.S., and the following values for regions:

- U.S. Census Regions:** 01=New England, 02=Middle Atlantic, 03=East North Central, 04=West North Central, 05=South Atlantic, 06=East South Central, 07=West South Central, 08=Mountain, 09=Pacific.
- NCDC Regions:** 01=Northeast, 02=East North Central, 03=Central, 04=Southeast, 05=West North Central, 06=South, 07=Southwest, 08=Northwest, 09=West.

**References:**

Karl, T.R., C.N. Williams, Jr., P.J. Young, and W.M. Wendland, 1986: "A model to estimate the time of observation bias associated with monthly mean maximum, minimum, and mean temperatures for the United States," *Journal of Climate and Applied Meteorology*, Vol. 25, pp. 145-160.

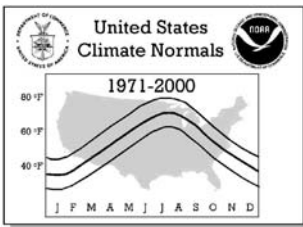
Karl, T.R. and W.J. Koss, 1984: *Historical Climatology Series 4-3: Regional and National Monthly, Seasonal and Annual Temperature Weighted by Area, 1895-1983*, NOAA/NESDIS/NCDC.

Guttman, N.B. and R.G. Quayle, 1995: "A Historical Perspective of U.S. Climate Divisions", *Bulletin of the American Meteorological Society*, Statistical descriptors of climate, *Bulletin of the American Meteorological Society*, Vol. 77, no. 2, pp. 293-303.

NOAA, 2002: *Hawaii Precipitation Frequency Study: Update of Technical Paper No. 43*, NOAA/NWS/Office of Hydrology.

Thom, H.C.S., 1954: "The rational relationship between heating degree days and temperature," *Monthly Weather Review*, Vol. 82, pp. 1-6.

Thom, H.C.S., 1966: "Normal degree days above any base by the universal truncation coefficient," *Monthly Weather Review*, Vol. 94, pp. 461-465.



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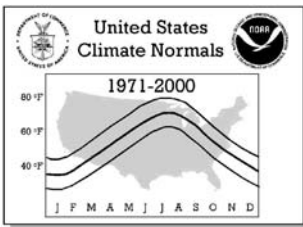
**Cooling Degree Days**

**Area and Population Weights (State in Region)**

State Code	State Abbreviation	Area (sq. miles)	Census 2000 Population	U.S. Census Region <sup>‡</sup>	NCDC Region <sup>‡</sup>	Weights Within Region		
						Census Area	Census Pop	NCDC Area
01	AL	51,610	4,447,100	6	4	0.28363	0.26124	0.17577
02	AZ	113,909	5,130,632	8	7	0.13186	0.28233	0.26819
03	AR	53,104	2,673,400	7	6	0.12100	0.08502	0.09335
04	CA	158,693	33,871,648	9	9	0.49000	0.78430	0.58943
05	CO	104,246	4,301,261	8	7	0.12067	0.23669	0.24544
06	CT	5,009	3,405,565	1	1	0.07520	0.24461	0.02752
07	DE	2,057	783,600	5	1	0.00738	0.01514	0.01130
08	FL	58,560	15,982,378	5	4	0.21002	0.30872	0.19944
09	GA	58,876	8,186,453	5	4	0.21115	0.15813	0.20051
10	ID	83,557	1,293,953	8	8	0.09672	0.07121	0.33593
11	IL	56,399	12,419,293	3	3	0.22716	0.27504	0.18169
12	IN	36,291	6,080,485	3	3	0.14617	0.13466	0.11691
13	IA	56,288	2,926,324	4	2	0.10882	0.15211	0.22098
14	KS	82,264	2,688,418	4	6	0.15904	0.13975	0.14461
15	KY	40,395	4,041,769	6	3	0.22199	0.23743	0.13013
16	LA	48,522	4,468,976	7	6	0.11056	0.14212	0.08530
17	ME	33,215	1,274,923	1	1	0.49866	0.09157	0.18251
18	MD*	10,578	5,868,545	5	1	0.03794	0.11336	0.05812
19	MA	8,257	6,349,097	1	1	0.12396	0.45603	0.04537
20	MI	58,214	9,938,444	3	2	0.23447	0.22010	0.22854
21	MN	84,068	4,919,479	4	2	0.16253	0.25572	0.33004
22	MS	47,715	2,844,658	6	6	0.26222	0.16711	0.08388
23	MO	69,686	5,595,211	4	3	0.13473	0.29085	0.22449
24	MT	147,138	902,195	8	5	0.17032	0.04965	0.31307
25	NE	77,227	1,711,263	4	5	0.14930	0.08895	0.16432
26	NV	110,540	1,998,257	8	9	0.12796	0.10996	0.41057
27	NH	9,304	1,235,786	1	1	0.13968	0.08876	0.05112
28	NJ	7,836	8,414,350	2	1	0.07627	0.21210	0.04306
29	NM	121,666	1,819,046	8	7	0.14084	0.10010	0.28645
30	NY	49,576	18,976,457	2	1	0.48251	0.47833	0.27241
31	NC	52,712	8,049,313	5	4	0.18904	0.15549	0.17952
32	ND	70,665	642,200	4	5	0.13662	0.03338	0.15035
33	OH	41,222	11,353,140	3	3	0.16603	0.25143	0.13280
34	OK	69,920	3,450,654	7	6	0.15931	0.10974	0.12291
35	OR	96,981	3,421,399	9	8	0.29945	0.07922	0.38990
36	PA	45,334	12,281,054	2	1	0.44122	0.30957	0.24910
37	RI	1,214	1,048,319	1	1	0.01823	0.07530	0.00667
38	SC	31,055	4,012,012	5	4	0.11137	0.07750	0.10576
39	SD	77,047	754,844	4	5	0.14896	0.03924	0.16393
40	TN	42,244	5,689,283	6	3	0.23216	0.33422	0.13609
41	TX	267,340	20,851,820	7	6	0.60913	0.66312	0.46995
42	UT	84,916	2,233,169	8	7	0.09830	0.12289	0.19993
43	VT	9,610	608,827	1	1	0.14427	0.04373	0.05281
44	VA	40,816	7,078,515	5	4	0.14638	0.13673	0.13901
45	WA	68,192	5,894,121	9	8	0.21056	0.13648	0.27416
46	WV	24,180	1,808,344	5	3	0.08672	0.03493	0.07790
47	WI	56,154	5,363,675	3	2	0.22617	0.11877	0.22045
48	WY	97,914	493,782	8	5	0.11334	0.02717	0.20833

\*Maryland includes area and population for the District of Columbia.

‡Region codes are defined on page 5.



**Cooling Degree Days**

**U.S. Census Regions**

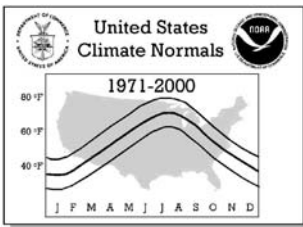
Region Code	Region Name	States Within Region	Area (sq. miles)	Census 2000 Population	Weights Within Nation <sup>^</sup>	
					Area	Population
01	New England	CT,ME,MA,NH,RI,VT	66,609	13,922,517	0.02204	0.04980
02	Middle Atlantic	NJ,NY,PA	102,746	39,671,861	0.03400	0.14190
03	East North Central	IL,IN,MI,OH,WI	248,280	45,155,037	0.08215	0.16151
04	West North Central	IA,KS,MN,MO,NE,ND,SD	517,245	19,237,739	0.17114	0.06881
05	South Atlantic	DE,FL,GA,MD*,NC,SC,VA,WV	278,834	51,769,160	0.09226	0.18517
06	East South Central	AL,KY,MS,TN	181,964	17,022,810	0.06021	0.06089
07	West South Central	AR,LA,OK,TX	438,886	31,444,850	0.14522	0.11247
08	Mountain	AZ,CO,ID,MT,NV,NM,UT,WY	863,886	18,172,295	0.28584	0.06500
09	Pacific (AK,HI Omitted)	CA,OR,WA	323,866	43,187,168	0.10716	0.15447

**NCDC Regions**

Region Code	Region Name	States Within Region	Area (sq. miles)	Census 2000 Population	Weights Within Nation <sup>^</sup>
					Area
01	Northeast	CT,DE,ME,MD*,MA,NH,NJ,NY,PA,RI,VT	181,990	60,246,523	0.06022
02	East North Central	IA,MI,MN,WI	254,724	23,147,922	0.08428
03	Central	IL,IN,KY,MO,OH,TN,WV	310,417	46,987,525	0.10271
04	Southeast	AL,FL,GA,NC,SC,VA	293,629	47,755,771	0.09715
05	West North Central	MT,NE,ND,SD,WY	469,991	4,504,284	0.15551
06	South	AR,KS,LA,MS,OK,TX	568,865	36,977,926	0.18822
07	Southwest	AZ,CO,NM,UT	424,737	13,484,108	0.14053
08	Northwest	ID,OR,WA	248,730	10,609,473	0.08230
09	West	CA,NV	269,233	35,869,905	0.08908
	Conterminous United States		3,022,316	279,583,437	

\*Maryland includes area and population for the District of Columbia.







<sup>^</sup>Nation refers to 48 conterminous United States.

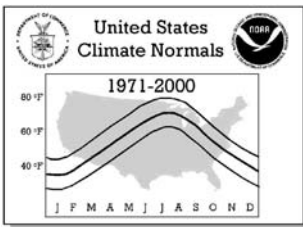


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**Alabama – Connecticut**

State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
AL-01 Alabama 	31-00 AVERAGE	15	8	27	55	195	364	456	437	280	91	12	7	1947
	STD DEV	17	8	20	27	55	58	47	51	60	41	11	8	198
	31-60 AVERAGE	22	11	29	60	213	394	469	457	299	107	11	8	2078
	STD DEV	21	10	25	25	53	57	42	44	61	45	9	8	141
	41-70 AVERAGE	16	9	25	68	206	371	451	436	278	95	10	5	1970
	STD DEV	19	9	22	29	53	63	49	53	58	46	7	5	184
	51-80 AVERAGE	12	7	25	60	189	350	447	429	279	81	10	5	1894
	STD DEV	13	8	17	28	55	62	52	53	63	35	8	7	196
	61-90 AVERAGE	10	6	26	54	178	341	438	419	266	78	13	6	1835
	STD DEV	12	7	16	28	50	47	49	46	61	38	12	8	163
71-00 AVERAGE	12	6	27	46	178	344	455	429	268	80	14	6	1864	
STD DEV	12	5	16	25	52	50	47	52	57	36	13	8	181	
0199 AZ-02 Arizona 	31-00 AVERAGE	2	10	31	104	259	485	658	601	430	175	23	1	2779
	STD DEV	2	8	21	44	66	69	41	50	55	50	14	2	206
	31-60 AVERAGE	1	8	28	105	250	472	657	592	438	174	20	1	2745
	STD DEV	1	8	19	41	64	63	42	39	46	49	13	1	178
	41-70 AVERAGE	1	9	23	97	244	457	652	585	424	174	23	1	2690
	STD DEV	2	9	13	42	54	70	40	50	55	53	14	1	179
	51-80 AVERAGE	2	9	25	88	239	479	657	581	416	173	21	1	2690
	STD DEV	2	8	20	35	58	69	40	50	48	49	12	2	163
	61-90 AVERAGE	2	9	30	101	254	491	655	591	407	169	23	1	2734
	STD DEV	3	6	23	48	56	73	38	50	55	53	11	2	189
71-00 AVERAGE	3	12	37	110	274	513	660	613	435	179	24	1	2861	
STD DEV	3	7	24	48	71	64	42	53	60	52	15	2	214	
0299 AR-03 Arkansas 	31-00 AVERAGE	1	2	16	39	157	348	479	448	249	66	3	1	1810
	STD DEV	2	3	14	23	51	61	61	78	68	33	4	2	221
	31-60 AVERAGE	2	2	16	39	159	365	487	471	268	77	3	1	1889
	STD DEV	3	3	16	24	46	69	62	80	71	35	4	2	217
	41-70 AVERAGE	1	2	14	46	163	350	470	442	241	69	3	1	1801
	STD DEV	2	2	14	26	50	64	61	73	53	39	3	2	200
	51-80 AVERAGE	1	2	15	42	161	343	476	435	245	63	3	1	1785
	STD DEV	2	3	13	25	53	70	66	68	65	35	4	1	225
	61-90 AVERAGE	0	1	17	40	154	335	470	425	236	58	4	1	1742
	STD DEV	1	3	13	25	54	51	62	64	63	33	4	2	199
71-00 AVERAGE	1	2	17	34	152	338	478	440	238	57	4	1	1762	
STD DEV	1	3	10	21	55	57	60	76	67	25	4	2	215	
0399 CA-04 California 	31-00 AVERAGE	2	2	6	19	50	114	222	220	149	48	7	1	838
	STD DEV	2	2	6	12	26	37	42	43	41	22	6	1	124
	31-60 AVERAGE	1	1	5	17	46	103	218	201	143	41	7	1	786
	STD DEV	2	2	7	10	21	31	45	36	33	18	6	2	108
	41-70 AVERAGE	1	2	4	15	41	99	214	205	143	44	7	1	775
	STD DEV	2	2	4	9	17	34	41	43	35	23	6	1	101
	51-80 AVERAGE	2	2	4	14	43	112	222	214	147	48	7	1	815
	STD DEV	2	3	5	9	18	37	38	44	37	24	5	2	91
	61-90 AVERAGE	2	2	5	18	49	122	225	226	147	51	7	1	855
	STD DEV	3	2	5	14	21	41	43	41	49	24	5	1	117
71-00 AVERAGE	3	2	7	22	58	131	228	233	159	54	7	1	905	
STD DEV	3	3	6	15	30	37	40	44	47	23	6	1	119	
0499 CO-05 Colorado 	31-00 AVERAGE	0	0	0	0	5	59	128	93	22	1	0	0	308
	STD DEV	0	0	0	1	5	31	39	34	14	1	0	0	84
	31-60 AVERAGE	0	0	0	0	7	68	143	109	26	1	0	0	355
	STD DEV	0	0	0	1	7	35	40	30	13	2	0	0	81
	41-70 AVERAGE	0	0	0	0	6	57	128	96	22	1	0	0	310
	STD DEV	0	0	0	1	5	34	37	31	13	2	0	0	80
	51-80 AVERAGE	0	0	0	0	5	62	129	87	20	1	0	0	304
	STD DEV	0	0	0	1	5	34	39	32	13	1	0	0	85
	61-90 AVERAGE	0	0	0	0	4	54	119	78	17	0	0	0	272
	STD DEV	0	0	0	0	3	26	33	29	12	1	0	0	61
71-00 AVERAGE	0	0	0	0	4	56	114	81	18	0	0	0	273	
STD DEV	0	0	0	0	4	26	33	32	13	0	0	0	69	
0599 CT-06 Connecticut 	31-00 AVERAGE	0	0	0	0	16	89	214	171	40	3	0	0	533
	STD DEV	0	0	0	0	11	33	49	47	21	3	0	0	104
	31-60 AVERAGE	0	0	0	0	15	87	211	165	39	3	0	0	519
	STD DEV	0	0	0	0	10	35	48	51	20	3	0	0	104
	41-70 AVERAGE	0	0	0	0	12	83	200	154	38	3	0	0	490
	STD DEV	0	0	0	0	9	33	50	44	23	3	0	0	100
	51-80 AVERAGE	0	0	0	0	13	82	204	166	40	3	0	0	508
	STD DEV	0	0	0	0	10	32	47	44	24	4	0	0	93
	61-90 AVERAGE	0	0	0	0	15	85	212	174	41	2	0	0	529
	STD DEV	0	0	0	0	10	30	39	45	24	4	0	0	89
71-00 AVERAGE	0	0	0	0	18	94	226	185	42	2	0	0	568	
STD DEV	0	0	0	0	13	34	49	42	18	4	0	0	99	









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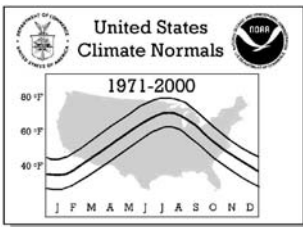
Cooling Degree Days

Delaware – Indiana

State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
DE-07 Delaware 	31-00 AVERAGE	0	0	0	2	55	201	340	289	123	19	0	0	1030
	STD DEV	1	0	1	3	28	47	50	51	42	15	0	0	128
	31-60 AVERAGE	1	0	1	2	56	200	336	284	124	22	0	0	1025
	STD DEV	2	0	2	3	26	49	49	51	43	16	0	0	129
	41-70 AVERAGE	0	0	1	2	54	195	328	275	119	21	0	0	995
	STD DEV	1	0	2	3	28	46	48	47	46	16	0	0	125
	51-80 AVERAGE	0	0	0	2	51	189	328	291	123	18	0	0	1003
	STD DEV	0	0	1	3	25	46	46	48	45	14	0	0	117
	61-90 AVERAGE	0	0	0	1	53	197	335	291	122	18	0	0	1017
	STD DEV	0	0	1	2	24	46	45	50	45	16	1	0	116
71-00 AVERAGE	0	0	0	2	57	205	351	299	124	19	0	0	1056	
STD DEV	0	0	1	3	29	52	54	52	34	16	1	0	128	
0799 FL-08 Florida 	31-00 AVERAGE	95	89	133	202	348	453	514	517	452	305	151	96	3356
	STD DEV	49	43	48	46	37	31	26	20	23	48	50	43	176
	31-60 AVERAGE	101	96	128	201	347	452	506	516	450	306	144	98	3345
	STD DEV	52	48	49	49	39	26	23	19	25	53	49	48	148
	41-70 AVERAGE	89	86	128	212	348	451	507	516	450	301	140	87	3315
	STD DEV	41	47	48	50	30	30	22	20	22	51	52	40	153
	51-80 AVERAGE	85	77	132	205	347	445	509	513	451	293	140	84	3281
	STD DEV	45	42	44	38	29	30	22	20	23	46	42	39	123
	61-90 AVERAGE	86	80	135	199	342	450	512	514	450	300	153	93	3315
	STD DEV	49	40	44	42	25	32	25	19	23	47	53	43	174
71-00 AVERAGE	97	90	141	197	352	461	522	521	458	309	171	102	3420	
STD DEV	51	38	47	45	41	34	27	22	22	47	47	40	189	
0899 GA-09 Georgia 	31-00 AVERAGE	12	6	21	43	174	337	429	403	247	71	11	5	1759
	STD DEV	14	6	16	22	51	60	52	46	54	34	11	6	187
	31-60 AVERAGE	16	7	21	47	192	369	439	422	267	82	10	6	1880
	STD DEV	16	7	19	22	47	51	43	36	54	36	8	7	127
	41-70 AVERAGE	12	6	19	51	183	339	417	402	244	74	9	4	1758
	STD DEV	13	6	17	23	51	62	45	47	53	38	7	4	181
	51-80 AVERAGE	9	5	19	46	167	314	412	398	245	64	8	4	1691
	STD DEV	12	6	12	21	54	62	51	48	55	29	7	5	190
	61-90 AVERAGE	8	4	20	40	156	311	410	388	233	64	12	5	1650
	STD DEV	11	5	12	20	46	54	55	47	52	34	13	6	167
71-00 AVERAGE	10	5	22	37	159	320	432	396	237	65	13	5	1700	
STD DEV	11	4	14	21	48	55	56	48	47	32	13	6	172	
0999 ID-10 Idaho 	31-00 AVERAGE	0	0	0	1	15	64	184	148	40	1	0	0	453
	STD DEV	0	0	0	2	11	31	46	46	22	2	0	0	87
	31-60 AVERAGE	0	0	0	1	16	59	194	139	38	2	0	0	450
	STD DEV	1	0	0	2	13	27	38	33	16	2	0	0	72
	41-70 AVERAGE	0	0	0	1	14	56	184	139	39	2	0	0	434
	STD DEV	1	0	0	1	11	28	37	44	21	2	0	0	82
	51-80 AVERAGE	0	0	0	1	13	64	184	138	39	1	0	0	439
	STD DEV	1	0	0	1	10	32	37	52	21	2	0	0	85
	61-90 AVERAGE	0	0	0	1	13	72	178	149	38	1	0	0	451
	STD DEV	0	0	0	2	8	36	45	54	26	2	0	0	88
71-00 AVERAGE	0	0	0	1	14	69	175	155	41	1	0	0	456	
STD DEV	0	0	0	2	11	34	55	51	25	2	0	0	91	
1099 IL-11 Illinois 	31-00 AVERAGE	0	0	1	4	70	192	295	251	89	18	0	0	919
	STD DEV	0	0	2	4	38	59	63	67	38	16	0	0	157
	31-60 AVERAGE	0	0	1	4	69	203	312	274	99	22	0	0	984
	STD DEV	0	0	4	4	35	71	67	65	43	16	0	0	158
	41-70 AVERAGE	0	0	1	4	69	193	285	254	88	22	0	0	916
	STD DEV	0	0	4	4	37	58	59	67	33	20	1	0	142
	51-80 AVERAGE	0	0	1	4	70	190	285	243	90	19	0	0	902
	STD DEV	0	0	1	4	38	58	57	54	35	19	1	0	132
	61-90 AVERAGE	0	0	1	4	70	185	283	232	84	15	0	0	873
	STD DEV	0	0	1	4	41	48	54	59	31	18	1	0	122
71-00 AVERAGE	0	0	1	3	70	183	286	237	82	13	0	0	876	
STD DEV	0	0	1	4	39	50	58	69	34	12	0	0	153	
1199 IN-12 Indiana 	31-00 AVERAGE	0	0	2	4	75	200	296	245	101	18	0	0	942
	STD DEV	0	0	4	4	40	58	64	65	42	14	0	0	166
	31-60 AVERAGE	0	0	2	5	76	215	319	272	114	22	0	0	1024
	STD DEV	0	0	6	5	34	70	70	61	47	15	0	0	166
	41-70 AVERAGE	0	0	2	5	75	200	286	242	99	21	0	0	930
	STD DEV	0	0	6	5	40	58	58	62	39	16	0	0	144
	51-80 AVERAGE	0	0	2	5	73	189	281	233	100	17	0	0	899
	STD DEV	0	0	3	5	41	57	55	52	40	15	0	0	134
	61-90 AVERAGE	0	0	2	4	74	186	280	224	95	15	0	0	880
	STD DEV	0	0	3	4	45	46	52	57	36	15	0	0	124
71-00 AVERAGE	0	0	2	4	75	189	285	233	92	14	0	0	894	
STD DEV	0	0	3	4	43	50	56	66	35	13	0	0	150	













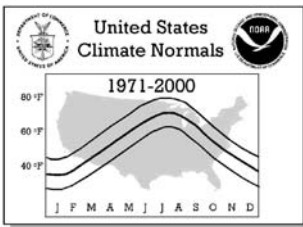
Population-Weighted Monthly Normals, 1971-2000 (and previous periods)

HISTORICAL CLIMATOGRAPHY SERIES 5-2

Cooling Degree Days

Massachusetts – Montana







State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>MA-19</b> Massachusetts 	31-00 AVERAGE	0	0	0	0	10	74	190	151	32	2	0	0	458
	STD DEV	0	0	0	0	8	29	44	43	18	3	0	0	90
	31-60 AVERAGE	0	0	0	0	12	77	195	155	35	3	0	0	476
	STD DEV	0	0	0	0	9	31	46	49	16	3	0	0	94
	41-70 AVERAGE	0	0	0	0	10	76	191	145	34	3	0	0	459
	STD DEV	0	0	0	0	9	31	49	45	21	3	0	0	99
	51-80 AVERAGE	0	0	0	0	9	72	186	146	31	2	0	0	445
	STD DEV	0	0	0	0	7	29	45	39	20	3	0	0	82
	61-90 AVERAGE	0	0	0	0	8	67	182	146	28	1	0	0	434
	STD DEV	0	0	0	0	6	26	33	41	19	3	0	0	74
71-00 AVERAGE	0	0	0	0	9	72	190	151	29	1	0	0	452	
STD DEV	0	0	0	0	7	31	44	37	16	2	0	0	89	
<b>MI-20</b> Michigan 	31-00 AVERAGE	0	0	0	1	38	117	206	168	46	7	0	0	583
	STD DEV	0	0	1	1	24	44	53	54	24	8	0	0	119
	31-60 AVERAGE	0	0	0	1	35	123	217	181	51	8	0	0	615
	STD DEV	0	0	1	2	20	50	55	55	27	8	0	0	126
	41-70 AVERAGE	0	0	0	1	34	117	197	166	46	9	0	0	570
	STD DEV	0	0	1	2	23	43	53	58	24	9	0	0	117
	51-80 AVERAGE	0	0	0	1	37	113	195	161	46	7	0	0	560
	STD DEV	0	0	0	2	24	42	49	50	24	9	0	0	105
	61-90 AVERAGE	0	0	0	1	39	111	201	156	44	6	0	0	557
	STD DEV	0	0	0	1	26	41	46	45	22	9	0	0	92
71-00 AVERAGE	0	0	0	1	41	114	203	162	42	5	0	0	568	
STD DEV	0	0	0	1	27	42	51	53	20	7	0	0	120	
<b>MN-21</b> Minnesota 	31-00 AVERAGE	0	0	0	1	33	101	188	138	25	3	0	0	490
	STD DEV	0	0	0	2	23	44	57	49	17	5	0	0	114
	31-60 AVERAGE	0	0	0	1	31	101	198	148	28	4	0	0	512
	STD DEV	0	0	0	2	23	51	60	53	20	6	0	0	125
	41-70 AVERAGE	0	0	0	1	26	92	176	139	21	4	0	0	458
	STD DEV	0	0	0	2	15	36	50	49	13	7	0	0	102
	51-80 AVERAGE	0	0	0	1	31	97	179	130	21	3	0	0	462
	STD DEV	0	0	0	3	21	34	54	42	12	5	0	0	87
	61-90 AVERAGE	0	0	0	1	34	100	188	129	22	2	0	0	476
	STD DEV	0	0	0	2	24	37	53	45	13	5	0	0	103
71-00 AVERAGE	0	0	0	2	38	103	182	132	24	2	0	0	483	
STD DEV	0	0	0	2	25	40	55	47	16	2	0	0	110	
<b>MS-22</b> Mississippi 	31-00 AVERAGE	16	11	35	74	221	399	491	471	308	106	15	8	2156
	STD DEV	16	11	25	34	54	53	44	52	62	44	12	9	195
	31-60 AVERAGE	22	15	37	77	234	422	501	491	324	123	14	10	2270
	STD DEV	20	13	30	29	56	54	41	50	62	48	11	9	151
	41-70 AVERAGE	16	12	32	88	231	407	488	471	303	110	13	7	2178
	STD DEV	19	12	25	36	52	57	47	54	55	50	10	6	177
	51-80 AVERAGE	13	10	32	79	218	392	487	462	308	96	12	7	2116
	STD DEV	12	11	22	35	55	58	47	50	64	40	11	8	187
	61-90 AVERAGE	10	8	34	75	207	382	478	453	296	92	17	7	2057
	STD DEV	10	9	20	37	48	44	46	41	65	41	13	9	167
71-00 AVERAGE	12	9	35	63	209	385	488	462	299	94	16	7	2079	
STD DEV	10	7	19	32	53	47	41	51	61	38	13	9	181	
<b>MO-23</b> Missouri 	31-00 AVERAGE	0	0	6	13	100	258	397	347	153	33	1	0	1308
	STD DEV	1	1	7	12	46	67	75	78	56	25	2	0	212
	31-60 AVERAGE	0	0	5	13	102	278	415	372	171	40	1	0	1399
	STD DEV	1	1	9	13	41	81	91	83	63	26	1	0	233
	41-70 AVERAGE	0	0	5	16	104	257	382	343	149	37	1	0	1294
	STD DEV	0	1	8	13	49	71	72	72	48	30	1	0	196
	51-80 AVERAGE	0	0	4	15	103	256	393	339	153	32	1	0	1298
	STD DEV	0	1	5	13	47	71	75	58	50	27	1	0	195
	61-90 AVERAGE	0	0	6	14	99	246	388	324	143	27	1	0	1248
	STD DEV	1	1	5	12	51	53	62	67	45	25	1	0	166
71-00 AVERAGE	0	0	6	12	95	247	387	335	142	25	1	0	1250	
STD DEV	1	1	5	11	44	54	59	75	51	15	2	0	170	
<b>MT-24</b> Montana 	31-00 AVERAGE	0	0	0	0	5	34	106	83	19	0	0	0	248
	STD DEV	0	0	0	1	6	22	38	34	14	1	0	0	67
	31-60 AVERAGE	0	0	0	0	6	31	116	79	18	0	0	0	250
	STD DEV	0	0	0	1	8	20	40	22	11	1	0	0	67
	41-70 AVERAGE	0	0	0	0	4	26	102	78	17	0	0	0	227
	STD DEV	0	0	0	1	4	17	30	30	12	1	0	0	55
	51-80 AVERAGE	0	0	0	0	4	32	100	77	17	0	0	0	231
	STD DEV	0	0	0	0	4	19	30	38	13	1	0	0	52
	61-90 AVERAGE	0	0	0	0	4	38	102	84	18	0	0	0	247
	STD DEV	0	0	1	1	4	26	32	42	15	0	0	0	59
71-00 AVERAGE	0	0	0	0	5	38	99	87	19	0	0	0	247	
STD DEV	0	0	1	1	4	24	38	42	15	0	0	0	65	

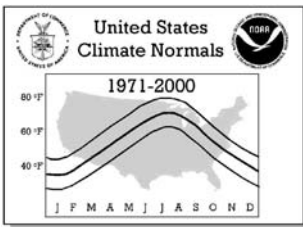


Population-Weighted Monthly Normals, 1971-2000 (and previous periods)  
 HISTORICAL CLIMATOGRAPHY SERIES 5-2

Cooling Degree Days

Nebraska – New York







State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
NE-25 Nebraska 	31-00 AVERAGE	0	0	1	6	75	218	361	295	104	15	0	0	1075
	STD DEV	0	1	3	6	41	69	85	78	46	16	0	0	202
	31-60 AVERAGE	0	0	1	6	76	227	389	327	121	20	0	0	1167
	STD DEV	0	1	4	7	47	84	100	80	51	19	0	0	230
	41-70 AVERAGE	0	0	1	7	72	205	347	299	95	17	0	0	1044
	STD DEV	0	1	4	7	37	69	72	68	39	18	0	0	171
	51-80 AVERAGE	0	0	1	6	75	218	353	288	95	14	0	0	1050
	STD DEV	0	1	2	6	34	66	77	58	39	14	0	0	157
	61-90 AVERAGE	0	0	2	7	76	216	352	274	90	11	0	0	1026
	STD DEV	0	0	2	6	37	57	59	67	35	12	0	0	131
71-00 AVERAGE	0	0	2	5	71	214	335	275	96	10	0	0	1008	
STD DEV	0	0	2	6	33	58	66	74	38	5	0	0	148	
2599 NV-26 Nevada 	31-00 AVERAGE	0	3	11	51	153	320	508	457	255	79	5	0	1842
	STD DEV	1	4	11	28	51	64	54	58	52	32	4	0	192
	31-60 AVERAGE	0	2	10	52	148	306	504	445	258	75	4	0	1805
	STD DEV	0	3	11	23	48	57	53	52	44	30	4	0	150
	41-70 AVERAGE	0	3	7	46	140	292	494	438	248	75	4	0	1747
	STD DEV	0	3	5	24	40	61	47	56	50	30	4	0	136
	51-80 AVERAGE	0	3	8	40	136	310	500	439	242	76	4	0	1757
	STD DEV	0	3	8	22	44	63	42	57	48	30	3	0	128
	61-90 AVERAGE	0	3	10	46	145	324	502	445	235	76	4	0	1790
	STD DEV	1	3	10	30	42	66	51	52	56	36	3	0	161
71-00 AVERAGE	1	4	15	55	163	346	518	469	263	82	5	0	1921	
STD DEV	1	4	12	31	57	60	56	63	55	35	5	0	213	
2699 NH-27 New Hampshire 	31-00 AVERAGE	0	0	0	0	8	48	133	97	13	0	0	0	298
	STD DEV	0	0	0	0	6	24	42	38	11	1	0	0	77
	31-60 AVERAGE	0	0	0	0	8	48	135	98	13	0	0	0	303
	STD DEV	0	0	0	0	7	22	43	45	8	1	0	0	83
	41-70 AVERAGE	0	0	0	0	7	47	128	90	13	0	0	0	285
	STD DEV	0	0	0	0	7	23	45	38	13	1	0	0	80
	51-80 AVERAGE	0	0	0	0	7	45	127	92	12	0	0	0	284
	STD DEV	0	0	0	0	7	24	45	35	13	1	0	0	75
	61-90 AVERAGE	0	0	0	0	8	44	130	95	12	0	0	0	288
	STD DEV	0	0	0	0	6	23	35	35	13	1	0	0	63
71-00 AVERAGE	0	0	0	0	8	48	136	101	11	0	0	0	304	
STD DEV	0	0	0	0	7	28	41	33	8	1	0	0	75	
2799 NJ-28 New Jersey 	31-00 AVERAGE	0	0	0	1	35	145	281	228	76	10	0	0	775
	STD DEV	0	0	0	1	20	40	50	49	32	9	0	0	110
	31-60 AVERAGE	0	0	0	1	37	150	287	231	79	12	0	0	795
	STD DEV	0	0	1	2	20	42	49	54	31	9	0	0	113
	41-70 AVERAGE	0	0	0	1	35	147	278	222	79	12	0	0	774
	STD DEV	0	0	1	2	22	41	51	48	36	9	0	0	114
	51-80 AVERAGE	0	0	0	1	32	139	272	229	79	10	0	0	761
	STD DEV	0	0	0	1	19	42	50	43	36	9	0	0	104
	61-90 AVERAGE	0	0	0	0	32	137	271	226	75	9	0	0	751
	STD DEV	0	0	0	1	18	40	40	44	36	9	0	0	89
71-00 AVERAGE	0	0	0	0	33	141	282	229	73	8	0	0	768	
STD DEV	0	0	0	1	20	44	53	48	24	9	0	0	111	
2899 NM-29 New Mexico 	31-00 AVERAGE	0	0	0	9	56	200	298	244	99	11	0	0	916
	STD DEV	0	0	1	7	24	43	39	39	30	7	0	0	115
	31-60 AVERAGE	0	0	0	9	55	209	300	255	109	13	0	0	950
	STD DEV	0	0	0	8	20	40	37	34	26	9	0	0	103
	41-70 AVERAGE	0	0	0	9	55	199	304	250	103	11	0	0	931
	STD DEV	0	0	0	8	17	44	40	36	26	9	0	0	109
	51-80 AVERAGE	0	0	0	8	51	203	304	238	95	10	0	0	908
	STD DEV	0	0	1	6	20	45	45	40	28	6	0	0	120
	61-90 AVERAGE	0	0	0	8	51	192	295	230	87	8	0	0	872
	STD DEV	0	0	1	6	22	42	42	39	26	6	0	0	100
71-00 AVERAGE	0	0	0	8	56	200	290	236	94	9	0	0	893	
STD DEV	0	0	1	6	31	48	39	41	33	5	0	0	127	
3099 NY-30 New York 	31-00 AVERAGE	0	0	0	0	23	109	232	193	59	7	0	0	622
	STD DEV	0	0	0	1	15	34	45	46	26	6	0	0	99
	31-60 AVERAGE	0	0	0	0	22	110	235	194	59	8	0	0	628
	STD DEV	0	0	0	1	13	38	46	52	25	7	0	0	107
	41-70 AVERAGE	0	0	0	0	22	112	229	188	62	8	0	0	621
	STD DEV	0	0	0	1	15	37	48	47	31	7	0	0	108
	51-80 AVERAGE	0	0	0	0	22	107	229	194	62	7	0	0	620
	STD DEV	0	0	0	1	14	34	45	44	31	7	0	0	98
	61-90 AVERAGE	0	0	0	0	22	104	227	192	59	6	0	0	610
	STD DEV	0	0	0	0	14	31	35	40	30	7	0	0	77
71-00 AVERAGE	0	0	0	0	24	107	233	195	56	6	0	0	621	
STD DEV	0	0	0	1	15	35	47	41	21	7	0	0	99	



**Population-Weighted Monthly Normals, 1971-2000 (and previous periods)**  
 HISTORICAL CLIMATOGRAPHY SERIES 5-2

**Cooling Degree Days**

**North Carolina – Pennsylvania**

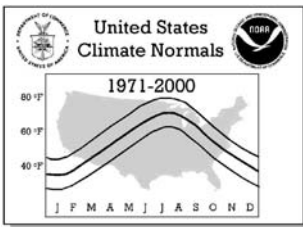
State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>NC-31</b> North Carolina 	31-00 AVERAGE	4	1	10	18	124	285	391	352	193	46	4	2	1430
	STD DEV	7	2	10	12	44	56	47	43	49	26	5	3	150
	31-60 AVERAGE	6	1	11	21	139	313	398	363	209	54	3	2	1519
	STD DEV	9	2	13	14	41	50	44	34	50	26	3	3	102
	41-70 AVERAGE	4	1	10	23	135	288	382	349	191	49	3	1	1434
	STD DEV	7	1	13	13	48	58	43	39	50	27	3	2	146
	51-80 AVERAGE	3	1	8	20	120	260	376	352	192	41	3	1	1377
	STD DEV	5	1	7	13	48	55	41	42	49	23	2	3	153
	61-90 AVERAGE	3	1	9	16	111	261	375	344	183	41	4	1	1348
	STD DEV	5	2	7	10	41	52	46	48	49	27	7	3	141
71-00 AVERAGE	3	1	10	16	111	271	396	348	185	40	4	2	1386	
STD DEV	5	2	7	11	40	55	51	50	42	26	7	3	145	
<b>ND-32</b> North Dakota 	31-00 AVERAGE	0	0	0	2	25	86	176	142	26	1	0	0	457
	STD DEV	0	0	0	3	20	44	60	50	17	3	0	0	114
	31-60 AVERAGE	0	0	0	2	24	79	191	144	28	1	0	0	468
	STD DEV	0	0	0	3	21	41	68	42	19	2	0	0	122
	41-70 AVERAGE	0	0	0	2	17	74	166	140	23	1	0	0	423
	STD DEV	0	0	0	3	11	36	43	47	17	3	0	0	92
	51-80 AVERAGE	0	0	0	2	23	84	168	137	23	1	0	0	438
	STD DEV	0	0	0	3	19	34	49	52	15	3	0	0	79
	61-90 AVERAGE	0	0	0	2	26	92	176	140	23	1	0	0	460
	STD DEV	0	0	0	3	22	48	48	60	15	3	0	0	104
71-00 AVERAGE	0	0	0	2	29	93	165	139	24	0	0	0	453	
STD DEV	0	0	0	4	21	48	54	57	16	1	0	0	112	
<b>OH-33</b> Ohio 	31-00 AVERAGE	0	0	1	3	59	160	254	208	83	12	0	0	780
	STD DEV	1	0	2	3	34	51	57	56	36	11	0	0	142
	31-60 AVERAGE	0	0	1	3	60	174	270	225	93	15	0	0	842
	STD DEV	1	0	3	4	29	58	62	55	38	11	0	0	145
	41-70 AVERAGE	0	0	1	4	60	163	247	205	84	15	0	0	778
	STD DEV	1	0	3	4	35	49	54	55	36	12	0	0	125
	51-80 AVERAGE	0	0	1	3	58	151	239	202	85	12	0	0	751
	STD DEV	0	0	2	4	34	48	47	49	38	11	0	0	121
	61-90 AVERAGE	0	0	1	2	57	145	238	193	78	11	0	0	725
	STD DEV	0	0	2	3	36	41	45	48	35	11	0	0	104
71-00 AVERAGE	0	0	1	2	57	149	245	200	74	10	0	0	738	
STD DEV	0	0	2	3	35	46	52	59	30	10	0	0	134	
<b>OK-34</b> Oklahoma 	31-00 AVERAGE	0	2	13	39	151	361	524	499	266	70	3	0	1928
	STD DEV	1	3	11	26	50	69	77	85	75	36	4	0	250
	31-60 AVERAGE	1	2	11	38	149	380	530	521	286	80	3	0	2000
	STD DEV	2	3	12	28	47	75	85	94	78	40	3	0	261
	41-70 AVERAGE	0	1	10	46	153	362	515	496	262	72	3	0	1920
	STD DEV	1	3	11	31	51	68	83	84	62	43	3	0	250
	51-80 AVERAGE	0	2	12	43	154	364	529	491	267	68	3	0	1933
	STD DEV	1	4	10	28	54	72	87	76	74	37	4	0	268
	61-90 AVERAGE	0	1	14	43	150	350	520	481	254	62	4	0	1879
	STD DEV	1	3	10	27	50	60	75	67	67	34	4	0	222
71-00 AVERAGE	0	3	14	35	148	351	518	487	256	60	3	0	1876	
STD DEV	1	4	8	22	51	68	68	79	77	21	5	0	229	
<b>OR-35</b> Oregon 	31-00 AVERAGE	0	0	0	0	5	23	83	79	31	1	0	0	222
	STD DEV	0	0	0	1	6	14	32	33	17	2	0	0	62
	31-60 AVERAGE	0	0	0	0	6	21	82	70	28	1	0	0	208
	STD DEV	0	0	0	1	6	13	31	27	15	2	0	0	57
	41-70 AVERAGE	0	0	0	0	5	21	80	70	29	1	0	0	205
	STD DEV	0	0	0	0	5	15	32	36	17	2	0	0	72
	51-80 AVERAGE	0	0	0	0	4	23	82	73	30	1	0	0	213
	STD DEV	0	0	0	0	5	15	29	40	19	2	0	0	72
	61-90 AVERAGE	0	0	0	0	4	25	79	82	29	1	0	0	220
	STD DEV	0	0	0	0	3	15	29	39	19	1	0	0	62
71-00 AVERAGE	0	0	0	0	5	24	87	87	33	1	0	0	237	
STD DEV	0	0	0	0	6	15	35	32	18	1	0	0	56	
<b>PA-36</b> Pennsylvania 	31-00 AVERAGE	0	0	0	1	41	137	246	200	68	9	0	0	703
	STD DEV	1	0	1	2	24	42	49	49	30	8	0	0	115
	31-60 AVERAGE	0	0	0	2	46	150	262	211	75	11	0	0	758
	STD DEV	1	0	1	2	24	45	50	50	30	9	0	0	114
	41-70 AVERAGE	0	0	0	2	42	142	246	197	71	11	0	0	713
	STD DEV	1	0	1	2	26	42	50	47	32	9	0	0	113
	51-80 AVERAGE	0	0	0	1	38	130	236	200	72	9	0	0	687
	STD DEV	0	0	0	2	22	41	48	45	33	8	0	0	102
	61-90 AVERAGE	0	0	0	1	37	124	231	191	65	8	0	0	655
	STD DEV	0	0	0	1	21	36	39	45	33	8	0	0	82
71-00 AVERAGE	0	0	0	1	38	125	236	194	60	7	0	0	661	
STD DEV	0	0	0	1	23	40	49	48	23	7	0	0	106	














**Population-Weighted Monthly Normals, 1971-2000 (and previous periods)**  
 HISTORICAL CLIMATOGRAPHY SERIES 5-2

**Cooling Degree Days**

**Census Regions**

State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>Census Region-08</b> Mountain 	31-00 AVERAGE	0	2	8	33	92	218	346	300	167	53	4	0	1225
	STD DEV	1	2	7	15	28	40	32	33	28	18	4	0	106
	31-60 AVERAGE	0	2	7	34	90	215	352	301	173	53	4	0	1230
	STD DEV	0	2	6	14	28	37	32	25	22	17	3	0	97
	41-70 AVERAGE	0	2	6	31	87	204	343	293	165	53	4	0	1188
	STD DEV	0	2	4	14	23	40	27	32	28	18	4	0	94
	51-80 AVERAGE	0	2	7	28	84	215	345	287	161	52	4	0	1184
	STD DEV	0	2	6	12	24	40	25	34	27	17	3	0	89
	61-90 AVERAGE	0	2	8	32	88	219	341	289	155	52	4	0	1190
	STD DEV	1	2	7	17	23	42	27	34	29	19	3	0	93
5808	71-00 AVERAGE	1	3	10	35	96	229	341	302	167	55	4	0	1244
STD DEV	1	2	7	17	29	39	33	36	30	18	4	0	111	
<b>Census Region-09</b> Pacific 	31-00 AVERAGE	1	1	3	12	31	87	182	180	116	32	4	1	650
	STD DEV	2	2	4	9	19	29	36	38	33	17	4	1	101
	31-60 AVERAGE	1	0	3	11	28	78	179	164	112	27	4	1	607
	STD DEV	1	1	5	7	16	25	37	31	26	14	5	1	90
	41-70 AVERAGE	1	1	2	9	25	75	175	167	112	29	4	0	599
	STD DEV	1	2	2	7	12	26	35	38	29	17	4	1	86
	51-80 AVERAGE	1	1	2	9	25	85	182	175	115	32	3	1	631
	STD DEV	2	2	3	7	12	29	31	40	31	18	4	1	79
	61-90 AVERAGE	1	1	3	12	29	93	184	186	115	35	3	1	663
	STD DEV	2	2	4	10	15	32	37	37	40	18	3	1	94
5809	71-00 AVERAGE	2	1	4	14	36	100	188	193	125	36	4	1	704
STD DEV	2	2	4	11	23	29	35	39	38	18	4	1	95	
<b>National Census Region</b> Conterminous U.S. 	31-00 AVERAGE	9	8	17	31	98	215	322	292	158	54	13	7	1224
	STD DEV	5	4	7	8	19	26	29	30	23	12	5	3	83
	31-60 AVERAGE	10	8	16	31	100	222	328	299	164	57	12	8	1256
	STD DEV	6	4	8	9	17	29	31	29	24	14	4	4	78
	41-70 AVERAGE	8	8	15	33	98	213	316	288	156	55	12	7	1211
	STD DEV	5	4	8	9	19	27	28	27	20	14	4	3	69
	51-80 AVERAGE	8	7	16	32	96	209	316	287	157	52	12	7	1197
	STD DEV	5	4	7	9	20	26	28	25	21	12	4	3	77
	61-90 AVERAGE	8	7	16	32	94	207	314	284	152	52	14	7	1186
	STD DEV	5	3	6	9	19	22	25	27	20	11	5	3	66
5999	71-00 AVERAGE	9	8	18	30	97	213	321	290	155	53	15	8	1215
STD DEV	5	3	6	8	21	25	26	33	21	10	5	3	83	