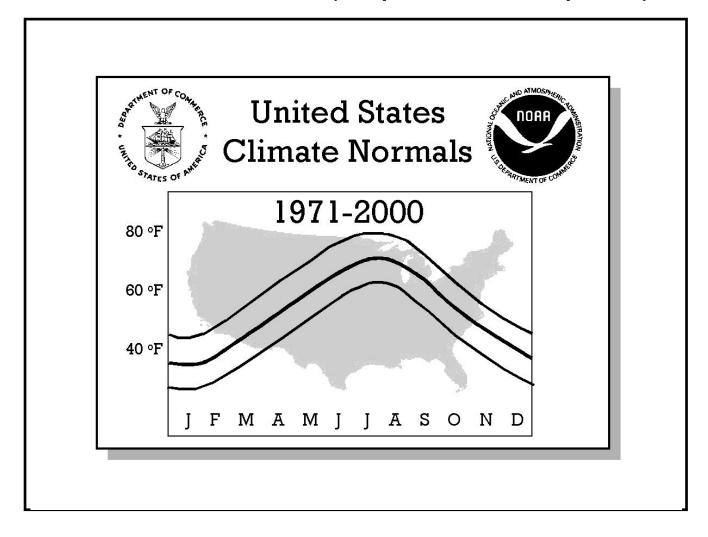


State, Regional, And National Monthly Cooling Degree Days

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





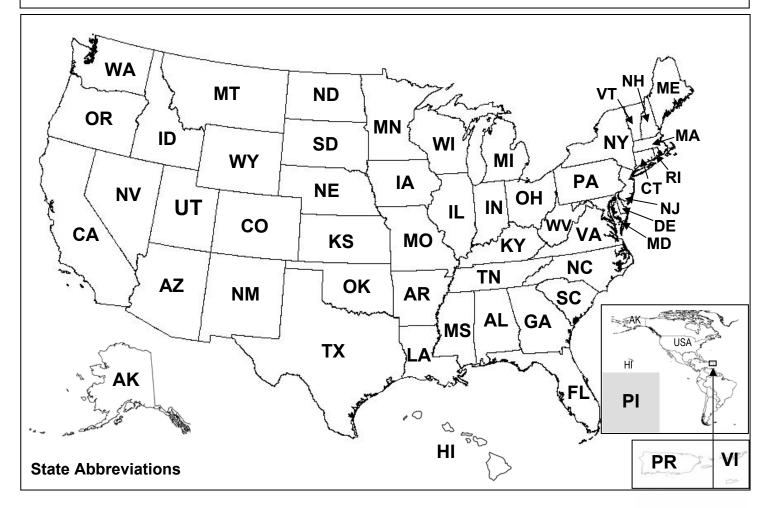
Cooling Degree Days

Page 2

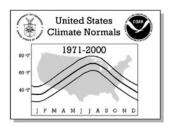
Historical Climatography Series: Normals (Present Series Highlighted):

HCS 4-1: Area-Weighted Temperature HCS 5-1: Population-Weighted Heating Degree Days HCS 4-2: Area-Weighted Precipitation HCS 5-2: Population-Weighted Cooling Degree Days

HCS 4-3: Area-Weighted Seasonal Temperature and Precipitation



		State Identification	Codes	(Code/State Name/Abbrevia	ation)		
01 Alabama	AL	16 Louisiana	LA	31 North Carolina	NC	46 West Virginia	WV
02 Arizona	AZ	17 Maine	ME	32 North Dakota	ND	47 Wisconsin	WI
03 Arkansas	AR	18 Maryland	MD	33 Ohio	OH	48 Wyoming	WY
04 California	CA	19 Massachusetts	MA	34 Oklahoma	OK	50 Alaska	AK
05 Colorado	CO	20 Michigan	MI	35 Oregon	OR	51 Hawaii	HI
06 Connecticut	CT	21 Minnesota	MN	36 Pennsylvania	PA	66 Puerto Rico	PR
07 Delaware	DE	22 Mississippi	MS	37 Rhode Island	RI	67 Virgin Islands	VI
08 Florida	$_{ m FL}$	23 Missouri	MO	38 South Carolina	SC	91 Pacific Islands	PI
09 Georgia	GA	24 Montana	MT	39 South Dakota	SD		
10 Idaho	ID	25 Nebraska	NE	40 Tennessee	TN		
11 Illinois	IL	26 Nevada	NV	41 Texas	TX		
12 Indiana	IN	27 New Hampshire	NH	42 Utah	UT		
13 Iowa	IA	28 New Jersey	NJ	43 Vermont	VT		
14 Kansas	KS	29 New Mexico	NM	44 Virginia	VA		
15 Kentucky	KY	30 New York	NY	45 Washington	WA		



Cooling Degree Days

NOTES Page 3

Product Description:

Historical Climatography 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 Climatography 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 populationweighted 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:

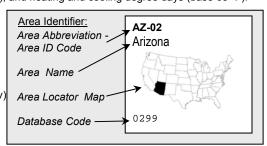
AVERAGE = Mean of Element for all Months (or Annual Values) for the Given Period of Record. STD DEV = Standard Deviation for all Months (or Annual Values) for the Given Period of Record.

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-tostation 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.

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 Climatography Series 4-3: Regional and National Monthly, Seasonal and Annual Temperature Weighted by Area, 1895-1983, NOAA/NESDIS/NCDC.

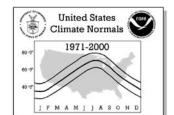
Guttman, N.B. and R.G. Quayle, 1995: "A Historical Perspective of U.S. Climate Divisions", Bulletin of the American Meteorological Society, Statistical descriptors of climate, Bulletin of the American Meteorological Society, Vol. 77, no. 2, pp. 293-303.

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.

Release Date: August 15, 2002 National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina



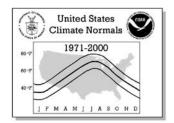
Cooling Degree Days

Area and Population Weights (State in Region)

State	State	Area	Census 2000	U.S. Census	NCDC	Weigh	nts Within Re	gion
Code	Abbreviation	(sq. miles)	Population	Region [‡]	Region [‡]		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
80	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		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		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		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

Area and Population Weights (Region in Nation)

Page 5

U.S. Census Regions

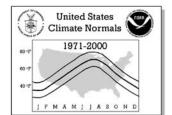
Region	Region Name	States Within Region	Area	Census 2000	Weights Wi	thin Nation^
Code			(sq. miles)	Population	Area	Population
01	New England	CT,ME,MA,NH,RI,VT	66,609	13,922,517	0.02204	0.04980
02	Middle Atlantic	NJ,NY,PA	102,746	39,671,861	0.03400	0.14190
03	East North Central	IL,IN,MI,OH,WI	248,280	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
80	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^ 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
80	Northwest	ID,OR,WA	248,730	10,609,473	0.08230
09	West	CA,NV	269,233	35,869,905	0.08908
	Conterminous United Sta	ates	3,022,316	279,583,437	

 $^{{}^{\}star}\text{Maryland}$ includes area and population for the District of Columbia.

[^]Nation refers to 48 conterminous United States.



Cooling Degree Days

Alabama – Connecticut

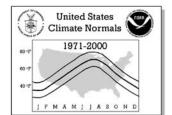
State/Region	El	ement	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
AL-01	31-00	AVERAGE	15	8	27	55	195	364	456	437	280	91	12	7	1947
Alabama		STD DEV	17	8	20	27	55	58	47	51	60	41	11	8	198
	31-60	AVERAGE	22	11	29	60	213	394	469	457	299	107	11	8	2078
KIT TOWN S	41 - 70	STD DEV AVERAGE	21 16	10 9	25 25	25 68	53 206	57 371	42 451	44 436	61 278	45 95	9 10	8 5	141 1970
AN-HOR OF	41-70	STD DEV	19	9	22	29	53	63	451	53	58	46	7	5	184
	51-80	AVERAGE	12	7	25	60	189	350	447	429	279	81	10	5	1894
NI TURE		STD DEV	13	8	17	28	55	62	52	53	63	35	8	7	196
The Land	61-90	AVERAGE	10	6	26	54	178	341	438	419	266	78	13	6	1835
V 0		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
0199 AZ-02	21 00	STD DEV AVERAGE	12	5	16	25	52	50	47	52	57	36	13	8	181
	31-00	STD DEV	2 2	10 8	31 21	104 44	259 66	485 69	658 41	601 50	430 55	175 50	23 14	1 2	2779 206
Arizona	31-60	AVERAGE	1	8	28	105	250	472	657	592	438	174	20	1	2745
W.		STD DEV	1	8	19	41	64	63	42	39	46	49	13	1	178
MATER OF	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
THE THE	61 00	STD DEV AVERAGE	2 2	8 9	20 30	35 101	58 254	69 491	40 655	50 591	48 407	49 169	12 23	2 1	163 2734
Daniel)	01-90	STD DEV	3	9 6	23	48	⊿54 56	73	38	591	55	53	23 11	2	189
	71-00	AVERAGE	3	12	37	110	274	513	660	613	435	179	24	1	2861
0299		STD DEV	3	7	24	48	71	64	42	53	60	52	15	2	214
AR-03	31-00	AVERAGE	1	2	16	39	157	348	479	448	249	66	3	1	1810
Arkansas	21	STD DEV	2	3	14	23	51	61	61	78	68	33	4	2	221
	31-60	AVERAGE	2	2	16 16	39 24	159 46	365	487	471 80	268 71	77 25	3 4	1 2	1889
ETTON A	41-70	STD DEV AVERAGE	3 1	3 2	16 14	24 46	46 163	69 350	62 470	80 442	241	35 69	4	1	217 1801
40-17 CB CB	41-70	STD DEV	2	2	14	26	50	64	61	73	53	39	3	2	200
E LITH ROOM	51-80	AVERAGE	1	2	15	42	161	343	476	435	245	63	3	1	1785
MI THE		STD DEV	2	3	13	25	53	70	66	68	65	35	4	1	225
The state of	61-90	AVERAGE	0	1	17	40	154	335	470	425	236	58	4	1	1742
3 3	71 00	STD DEV	1	3	13	25	54	51	62	64	63	33	4	2	199
0399	71-00	AVERAGE STD DEV	1 1	2	17 10	34 21	152 55	338 57	478 60	440 76	238 67	57 25	4 4	1 2	1762 215
CA-04	31-00	AVERAGE	2	2	6	19	50	114	222	220	149	48	7	1	838
California	31 00	STD DEV	2	2	6	12	26	37	42	43	41	22	6	1	124
California	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
A HORNOR	41-70	AVERAGE	1	2	4	15	41	99	214	205	143	44	7	1	775
	F1 00	STD DEV AVERAGE	2 2	2 2	4 4	9 14	17 43	34	41 222	43 214	35 147	23 48	6 7	1	101 815
* + + + * * * * * * * * * * * * * * * *	31-00	STD DEV	2	3	5	9	18	112 37	38	44	37	24	5	1 2	91
THE THE	61-90	AVERAGE	2	2	5	18	49	122	225	226	147	51	7	1	855
Jan 1		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
0499		STD DEV	3	3	6	15	30	37	40	44	47	23	6	1	119
CO-05	3T-00	AVERAGE	0	0 0	0	0 1	5 5	59	128	93 34	22	1 1	0 0	0	308
Colorado	31-60	STD DEV AVERAGE	0	0	0	0	5 7	31 68	39 143	34 109	14 26	1	0	0	84 355
14-	51 00	STD DEV	0	0	0	1	7	35	40	30	13	2	0	0	81
HITER A	41-70	AVERAGE	0	0	0	0	6	57	128	96	22	1	0	0	310
(T-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		STD DEV	0	0	0	1	5	34	37	31	13	2	0	0	80
1 The	51-80	AVERAGE	0	0	0	0	5	62	129	87	20	1	0	0	304
ATT HITTY	61.00	STD DEV AVERAGE	0	0 0	0	1 0	5 4	34 54	39 119	32 78	13 17	1 0	0 0	0	85 272
Duran)	01-90	STD DEV	0	0	0	0	3	26	33	78 29	12	1	0	0	61
	71-00	AVERAGE	0	0	0	0	4	56	114	81	18	0	0	0	273
0599		STD DEV	0	0	0	0	4	26	33	32	13	0	0	0	69
CT-06	31-00	AVERAGE	0	0	0	0	16	89	214	171	40	3	0	0	533
Connecticut	21 60	STD DEV	0	0	0	0	11	33	49	47	21	3	0	0	104
	31-60	AVERAGE STD DEV	0	0 0	0	0	15 10	87 35	211 48	165 51	39 20	3 3	0 0	0	519 104
ATTE S	41-70	AVERAGE	0	0	0	0	12	83	200	154	38	3	0	0	490
14 DE CO	, ,	STD DEV	0	0	0	0	9	33	50	44	23	3	0	0	100
MATHER	51-80	AVERAGE	0	0	0	0	13	82	204	166	40	3	0	0	508
WITH THE		STD DEV	0	0	0	0	10	32	47	44	24	4	0	0	93
The state of	61-90	AVERAGE	0	0	0	0	15	85	212	174	41	2	0	0	529
V V		STD DEV	0	0	0	0	10	30	39	45	24	4	0	0	89
	B1 0.5			_	_ l	_			00-	10-	!	_	_	_	
0699	71-00	AVERAGE STD DEV	0	0 0	0 0	0 0	18 13	94 34	226 49	185 42	42 18	2 4	0 0	0	568 99



Cooling Degree Days

Delaware – Indiana

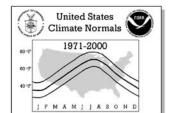
State/Region	El	ement	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
DE-07	31-00	AVERAGE	0	0	0	2	55	201	340	289	123	19	0	0	1030
Delaware	21 5	STD DEV	1	0	1	3	28	47	50	51	42	15	0	0	128
	31-60	AVERAGE	1	0	1	2	56	200	336	284	124	22	0	0	1025
ATT The M	41-70	STD DEV AVERAGE	2 0	0 0	2 1	3 2	26 54	49 195	49 328	51 275	43 119	16 21	0 0	0	129 995
PA-AMINA	41-70	STD DEV	1	0	2	3	28	46	328 48	47	46	16	0	0	125
	51-80	AVERAGE	0	0	0	2	51	189	328	291	123	18	0	0	1003
NITUHO!		STD DEV	0	0	1	3	25	46	46	48	45	14	0	0	117
The state of	61-90	AVERAGE	0	0	0	1	53	197	335	291	122	18	0	0	1017
V 0		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
0799 FL-08	21 00	STD DEV AVERAGE	0 95	0 89	133	3 202	29	52 453	54	52 517	34 452	16 305	1 151	0 96	128 3356
	31-00	STD DEV	49	43	48	46	348 37	31	514 26	20	23	48	50	43	176
Florida	31-60	AVERAGE	101	96	128	201	347	452	506	516	450	306	144	98	3345
W.		STD DEV	52	48	49	49	39	26	23	19	25	53	49	48	148
MADE OF	41-70	AVERAGE	89	86	128	212	348	451	507	516	450	301	140	87	3315
17-1-0425		STD DEV	41	47	48	50	30	30	22	20	22	51	52	40	153
VH DVG	51-80	AVERAGE	85	77	132	205	347	445	509	513	451	293	140	84	3281
THE THE	61 00	STD DEV	45 86	42 80	125	38 199	29 242	30 450	22 512	20 514	23	46 300	42 152	39 93	123
Laborat .	ο ₁ -90	AVERAGE STD DEV	86 49	80 40	135 44	199 42	342 25	450 32	512 25	514 19	450 23	300 47	153 53	93 43	3315 174
	71-00	AVERAGE	97	90	141	197	352	461	522	521	458	309	171	102	3420
0899	00	STD DEV	51	38	47	45	41	34	27	22	22	47	47	40	189
GA-09	31-00	AVERAGE	12	6	21	43	174	337	429	403	247	71	11	5	1759
Georgia		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
ATT I	41 70	STD DEV	16	7	19	22	47	51	43	36	54	36	8	7	127
AL-HOM M	41-70	AVERAGE STD DEV	12 13	6 6	19 17	51 23	183 51	339 62	417 45	402 47	244	74 38	9 7	4 4	1758 181
KT- THE	51-80	AVERAGE	9	5	19	46	167	314	412	398	245	56 64	8	4	1691
WITH THE	31 00	STD DEV	12	6	12	21	54	62	51	48	55	29	7	5	190
The state of	61-90	AVERAGE	8	4	20	40	156	311	410	388	233	64	12	5	1650
8		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
0999	21 00	STD DEV	11	4	14	21	48	55	56	48	47	32	13	6	172
ID-10	31-00	AVERAGE STD DEV	0	0 0	0	1 2	15 11	64 31	184 46	148 46	40 22	1 2	0 0	0	453 87
Idaho	31-60	AVERAGE	0	0	0	1	16	59	194	139	38	2	0	0	450
	31 00	STD DEV	1	0	0	2	13	27	38	33	16	2	0	0	72
A Dies of	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
WITH THE	c1 00	STD DEV	1 0	0 0	0	1 1	10 13	32 72	37 178	52	21	2 1	0	0	85
Lagery)	61-90	AVERAGE STD DEV	0	0	0	2	8	36	45	149 54	26	2	0 0	0	451 88
	71-00	AVERAGE	0	0	0	1	14	69	175	155	41	1	0	0	456
1099		STD DEV	0	0	0	2	11	34	55	51	25	2	0	0	91
IL-11	31-00	AVERAGE	0	0	1	4	70	192	295	251	89	18	0	0	919
Illinois		STD DEV	0	0	2	4	38	59	63	67	38	16	0	0	157
	31-60	AVERAGE	0	0	1	4	69 25	203	312	274	99	22	0	0	984
ATT The M	41 70	STD DEV AVERAGE	0	0 0	4 1	4	35 69	71 193	67 285	65 254	43 88	16 22	0 0	0	158 916
44-AM	-II-10	STD DEV	0	0	4	4	69 37	58	∠85 59	25 4 67	33	20	1	0	142
KITH WA	51-80	AVERAGE	0	0	1	4	70	190	285	243	90	19	0	0	902
NITUARO		STD DEV	0	0	1	4	38	58	57	54	35	19	1	0	132
The The	61-90	AVERAGE	0	0	1	4	70	185	283	232	84	15	0	0	873
V V		STD DEV	0	0	1	4	41	48	54	59	31	18	1	0	122
1100	71-00	AVERAGE	0	0	1	3	70	183	286	237	82	13	0	0	876
1199 IN-12	31_00	STD DEV AVERAGE	0	0	1 2	4	39 75	50 200	58 296	69 245	34 101	12 18	0	0	153 942
	31-00	STD DEV	0	0	4	4	40	58	64	65	42	14	0	0	166
Indiana	31-60	AVERAGE	0	0	2	5	76	215	319	272	114	22	0	0	1024
M-		STD DEV	0	0	6	5	34	70	70	61	47	15	0	0	166
MITE A	41-70	AVERAGE	0	0	2	5	75	200	286	242	99	21	0	0	930
17-1-1-10-6		STD DEV	0	0	6	5	40	58	58	62	39	16	0	0	144
MATERIA	51-80	AVERAGE	0	0	2	5	73	189	281	233	100	17	0	0	899
THE HELLA	61 00	STD DEV	0	0 0	3	5	41	57 106	55	52	40	15 15	0	0	134
1 mary	ο ₁ -90	AVERAGE STD DEV	0	0	2	4 4	74 45	186 46	280 52	224 57	95 36	15 15	0 0	0	880 124
	71-00	AVERAGE	0	0	2	4	45 75	189	285	233	92	15	0	0	894
1299	. 1 00	STD DEV	0	0	3	4	43	50	56	66	35	13	0	0	150
			•												



Cooling Degree Days

Iowa – Maryland

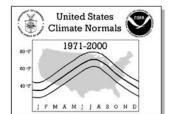
State/Region	El	ement	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
IA-13	31-00	AVERAGE	0	0	1	4	68	183	290	233	71	14	0	0	863
lowa	0.5	STD DEV	0	0	2	4	38	61	70	69	35	14	0	0	164
	31-60	AVERAGE	0	0	1	4	66	188	307	253	81	17	0	0	917
RT TT	41 70	STD DEV	0	0	3	5	41	75	81	74	40	16	0	0	182
ALL SOM	41-70	AVERAGE STD DEV	0 0	0	1 3	4 5	64 35	171 56	274 63	234 68	64 28	17 18	0	0	828 142
K THE TON	51-80	AVERAGE	0	0	1	4	55 67	179	282	224	65	14	0	0	836
NT THE	31 00	STD DEV	0	0	2	5	34	56	66	50	27	15	0	0	124
The First	61-90	AVERAGE	0	0	1	4	69	181	287	218	65	11	0	0	837
1.0		STD DEV	0	0	2	4	38	49	57	60	27	14	0	0	131
	71-00	AVERAGE	0	0	1	4	68	182	281	223	69	10	0	0	837
1399		STD DEV	0	0	2	4	36	50	62	68	31	8	0	0	146
KS-14	31-00	AVERAGE	0	1	6	15	104	292	453	408	184	37	1	0	1501
Kansas	21 60	STD DEV	0	2	7	13	46	75	84	87	64	27	1	0	237
	31-60	AVERAGE STD DEV	0	1 2	5 8	15 15	103 42	309 90	467 101	436 91	205 71	45 32	0 1	0	1587 263
ATT IT IS	41_70	AVERAGE	0	0	4	18	108	287	435	405	178	32 41	1	0	1475
户中日 300 300	41-70	STD DEV	0	2	7	15	51	79	84	77	58	33	1	0	232
	51-80	AVERAGE	0	1	5	16	108	294	451	400	178	37	0	0	1491
NI TUARO		STD DEV	0	2	5	13	50	78	91	67	60	28	1	0	233
The Barry	61-90	AVERAGE	0	1	6	17	106	283	449	385	169	31	1	0	1447
A A		STD DEV	0	2	5	14	50	60	74	74	51	25	1	0	187
	71-00	AVERAGE	0	1	7	14	98	283	441	392	175	29	1	0	1441
1499	21 25	STD DEV	0	2	5	13	41	65	68	82	58	13	2	0	189
KY-15	31-00	AVERAGE	1 3	0 1	7 9	12	100	242 57	352	311	155 55	30	1 2	0 1	1213
Kentucky	21_60	STD DEV AVERAGE	3	0 T	7	10 12	45 104	263	60 367	62 329	170	20 35	0	1	175 1291
(100)	31-00	STD DEV	4	1	11	10	39	263 66	63	329 59	58	21	2	1	168
ATTOM D	41-70	AVERAGE	1	0	7	15	105	246	342	306	152	32	0	0	1207
P-1-100-18	11 ,0	STD DEV	3	0	10	11	46	62	62	59	51	22	0	1	163
	51-80	AVERAGE	0	0	7	14	98	229	339	305	157	27	0	0	1177
N. TUANS		STD DEV	1	1	7	11	46	60	56	53	55	20	1	1	168
The fall of the same	61-90	AVERAGE	1	0	8	12	94	224	334	296	147	26	1	1	1143
0 0	== 00	STD DEV	2	1	7	9	48	45	53	59	52	21	2	2	149
1500	71-00	AVERAGE	1	0	8	11	94	230	350	305	147	26	1	1	1172
1599	21 00	STD DEV AVERAGE	2 30	1 22	7 53	9 116	46 283	50 448	54 526	65 517	49 376	20 162	2 40	2 17	162 2591
LA-16	31-00	STD DEV	25	18	32	42	203 51	440	35	41	51	53	25	15	166
Louisiana	31-60	AVERAGE	39	27	53	113	283	457	527	522	383	179	36	19	2636
4		STD DEV	31	20	37	36	55	38	29	34	50	58	20	15	119
A Trees of	41-70	AVERAGE	31	24	48	130	287	449	522	516	371	165	37	15	2594
		STD DEV	29	20	32	45	46	41	35	39	45	61	20	10	145
	51-80	AVERAGE	28	20	52	124	280	442	523	507	375	151	37	15	2552
MIT OF HOW	61 00	STD DEV	22	19	30	45	49	42	39	40	54	50	25	13	161
The state of the s	61-90	AVERAGE STD DEV	23 19	17 15	53	122	276	437	518	505	367	147	46	16 16	2526
7 7	71-00	STD DEV AVERAGE	19 27	15 20	28 56	46 108	41 285	39 445	39 529	36 518	56 374	50 152	28 45	16 16	167 2575
1699	, 1-00	STD DEV	19	12	26	41	205 53	41	38	46	54	44	28	16	189
ME-17	31-00	AVERAGE	0	0	0	0	2	25	103	81	9	0	0	0	220
Maine	_ 55	STD DEV	0	0	0	0	2	14	34	32	9	0	0	0	63
Mallo	31-60	AVERAGE	0	0	0	0	2	22	101	81	9	0	0	0	215
1		STD DEV	0	0	0	0	2	12	36	37	5	0	0	0	70
ALTER OF	41-70	AVERAGE	0	0	0	0	2	25	101	74	9	0	0	0	210
KT-SHIP	F1 00	STD DEV	0	0	0	0	2	13	38	31	10	0	0	0	65
MATTER STATES	21-80	AVERAGE STD DEV	0	0 0	0	0	2 2	27 14	105 38	78 29	9 10	0	0 0	0	220
THE HELLY	61-90	AVERAGE	0	0	0	0	2	26	38 104	29 80	8	0	0	0	61 221
Dung S	01-90	STD DEV	0	0	0	0	2	13	29	31	10	0	0	0	54
	71-00	AVERAGE	0	0	0	0	2	27	107	84	8	0	0	0	228
1799		STD DEV	0	0	0	0	2	16	31	27	9	0	0	0	60
MD-18	31-00	AVERAGE	0	0	0	3	61	198	331	281	116	17	0	0	1009
Maryland (and D.C.)		STD DEV	1	0	2	4	31	47	54	52	41	13	0	0	129
	31-60	AVERAGE	1	0	1	4	63	199	329	278	115	19	0	0	1008
PT 1	41 50	STD DEV	2	0	3	4	29	48	50	52	40	14	0	0	117
1-1-1- MAN	41-70	AVERAGE	0	0	1	4	62	194	322	270	113	19	0	0	984
1 THERIDA	51_00	STD DEV AVERAGE	1 0	0	2	4	33 57	45 185	48 319	47 281	43 119	14 16	0	0	118 983
WITH THE	21-00	STD DEV	0	0	1	4	30	45	319 47	281 47	44	13	0	0	116
L HILL	61-90	AVERAGE	0	0	0	2	58	192	323	280	116	16	0	0	987
1		STD DEV	0	0	1	3	27	45	48	50	44	14	0	0	118
	71-00	AVERAGE	0	0	0	3	61	199	340	287	118	16	0	0	1026
1899		STD DEV	0	0	1	4	32	52	61	56	37	14	0	0	147
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Cooling Degree Days

Massachusetts - Montana

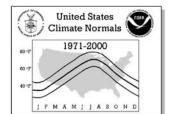
State/Region		ement	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MA-19	31-00	AVERAGE	0	0	0	0	10	74	190	151	32	2	0	0	458
Massachusetts		STD DEV	0	0	0	0	8	29	44	43	18	3	0	0	90
	31-60	AVERAGE	0	0	0	0	12	77	195	155	35	3	0	0	476
M. V.		STD DEV	0	0	0	0	9	31	46	49	16	3	0	0	94
A HORSE	41-70	AVERAGE	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
ALLY CHILD	61 00	STD DEV	0	0	0	0	7	29	45	39	20	3	0	0	82
La serial	61-90	AVERAGE	0	0	0	0	8	67	182	146	28	1	0	0	434
9	E1 00	STD DEV	0	0	0	0	6	26	33	41	19	3	0	0	74
1000	71-00	AVERAGE	0	0 0	0	0	9 7	72	190	151	29	1	0	0	452
1999 MI-20	21 00	STD DEV AVERAGE	0	0	0	0 1	38	31 117	44 206	37 168	16 46	2 7	0	0	89 583
	31-00	STD DEV	0	0	1	1	24	44	53	54	24	8	0	0	119
Michigan	31-60	AVERAGE	0	0	0	1	35	123	217	181	51	8	0	0	615
	31 00	STD DEV	0	0	1	2	20	50	55	55	27	8	0	0	126
ATTO B	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
LITHING	51-80	AVERAGE	0	0	0	1	37	113	195	161	46	7	0	0	560
NE TUDANS		STD DEV	0	0	0	2	24	42	49	50	24	9	0	0	105
The state of	61-90	AVERAGE	0	0	0	1	39	111	201	156	44	6	0	0	557
A 0		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
2099		STD DEV	0	0	0	1	27	42	51	53	20	7	0	0	120
MN-21	31-00	AVERAGE	0	0	0	1	33	101	188	138	25	3	0	0	490
Minnesota		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
M. T. M.	41 76	STD DEV	0	0	0	2	23	51	60	53	20	6	0	0	125
The same	41-70	AVERAGE	0	0	0	1	26	92	176	139	21	4	0	0	458
	F1 00	STD DEV	0	0	0	2	15	36	50	49	13	7	0	0	102
W + 1 + 1 + 1 + 1	51-80	AVERAGE STD DEV	0	0	0	1 3	31 21	97 34	179 54	130 42	21 12	3 5	0	0	462 87
ATT HITTY	61_90	AVERAGE	0	0	0	1	34	100	188	129	22	2	0	0	476
Lucy)	01-90	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
2199	, _ 00	STD DEV	0	0	0	2	25	40	55	47	16	2	0	0	110
MS-22	31-00	AVERAGE	16	11	35	74	221	399	491	471	308	106	15	8	2156
Mississippi		STD DEV	16	11	25	34	54	53	44	52	62	44	12	9	195
ινιιοοιοοιρρι	31-60	AVERAGE	22	15	37	77	234	422	501	491	324	123	14	10	2270
4		STD DEV	20	13	30	29	56	54	41	50	62	48	11	9	151
MA DE PERSONAL PROPERTY OF THE PERSONAL PROPER	41-70	AVERAGE	16	12	32	88	231	407	488	471	303	110	13	7	2178
774-1746		STD DEV	19	12	25	36	52	57	47	54	55	50	10	6	177
[VI DUC	51-80	AVERAGE	13	10	32	79	218	392	487	462	308	96	12	7	2116
THE TYPE		STD DEV	12	11	22	35	55	58	47	50	64	40	11	8	187
The said of	61-90	AVERAGE	10	8	34	75	207	382	478	453	296	92	17	7	2057
9	E1 00	STD DEV	10	9	20	37	48	44	46	41	65	41	13	9	167
2200	/1-00	AVERAGE	12 10	9 7	35 19	63 32	209 53	385 47	488	462	299	94 38	16	7 9	2079
2299 MO-23	31 00	STD DEV AVERAGE	-	0	6				41 397	51 347	61 153		13 1	0	181 1308
	21-00	STD DEV	0 1	1	7	13 12	100 46	258 67	397 75	347 78	56	33 25	2	0	212
Missouri	31-60	AVERAGE	0	0	5	13	102	278	415	372	171	40	1	0	1399
15	51 00	STD DEV	1	1	9	13	41	81	91	83	63	26	1	0	233
ATTIMA D	41-70	AVERAGE	0	0	5	16	104	257	382	343	149	37	1	0	1294
HILLADA		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
W THAT		STD DEV	0	1	5	13	47	71	75	58	50	27	1	0	195
The state of	61-90	AVERAGE	0	0	6	14	99	246	388	324	143	27	1	0	1248
V V		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
2399		STD DEV	1	1	5	11	44	54	59	75	51	15	2	0	170
MT-24	31-00	AVERAGE	0	0	0	0	5	34	106	83	19	0	0	0	248
Montana	21 60	STD DEV	0	0	0	1	6	22	38	34	14	1	0	0	67
	3T-60	AVERAGE	0	0	0	0	6	31	116	79	18	0	0	0	250
De n	41 - 70	STD DEV AVERAGE	0 0	0 0	0	1 0	8 4	20 26	40 102	22 78	11 17	1 0	0 0	0	67 227
ATT COM ME	41-70	STD DEV	0	0	0	1	4	26 17	30	78 30	12	1	0	0	227 55
K THE THE	51_80	AVERAGE	0	0	0	0	4	32	100	30 77	17	0	0	0	231
WITH THE	21-00	STD DEV	0	0	0	0	4	19	30	38	13	1	0	0	52
The Thirty	61-90	AVERAGE	0	0	0	0	4	38	102	84	18	0	0	0	247
David 1	01 70	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
2499	00	STD DEV	0	0	1	1	4	24	38	42	15	0	0	0	65
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Cooling Degree Days

Nebraska – New York

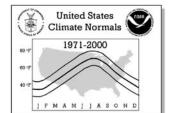
State/Region	El	ement	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
NE-25	31-00	AVERAGE	0	0	1	6	75	218	361	295	104	15	0	0	1075
Nebraska		STD DEV	0	1	3	6	41	69	85	78	46	16	0	0	202
	31-60	AVERAGE	0	0	1	6 7	76	227	389	327	121	20	0	0	1167
ET TOWN	41 - 70	STD DEV AVERAGE	0 0	1 0	4 1	7	47 72	84 205	100 347	80 299	51 95	19 17	0 0	0	230 1044
AD-HIM OF	41-70	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
WITH THE	51 00	STD DEV	0	1	2	6	34	66	77	58	39	14	0	0	157
T. B.H.	61-90	AVERAGE	0	0	2	7	76	216	352	274	90	11	0	0	1026
8 0		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
2599	21 00	STD DEV	0	0	2	6	33	58	66	74	38	5	0	0	148
NV-26	31-00	AVERAGE STD DEV	0 1	3 4	11 11	51 28	153 51	320 64	508 54	457 58	255 52	79 32	5 4	0	1842 192
Nevada	31-60	AVERAGE	0	2	10	52	148	306	504	445	258	32 75	4	0	1805
· ·	31 00	STD DEV	0	3	11	23	48	57	53	52	44	30	4	0	150
AT DES AS	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
ALL HATS		STD DEV	0	3	8	22	44	63	42	57	48	30	3	0	128
Marker Land	61-90	AVERAGE	0	3 3	10	46	145	324	502	445	235	76	4	0	1790
4	71_00	STD DEV AVERAGE	1 1	3 4	10 15	30 55	42 163	66 346	51 518	52 469	56 263	36 82	3 5	0 0	161 1921
2699	/1-00	STD DEV	1	4	12	31	57	60	518 56	63	263 55	82 35	5 5	0	213
NH-27	31-00	AVERAGE	0	0	0	0	8	48	133	97	13	0	0	0	298
New Hampshire	_ 00	STD DEV	0	0	0	0	6	24	42	38	11	1	0	0	77
1 tow Hamponii	31-60	AVERAGE	0	0	0	0	8	48	135	98	13	0	0	0	303
MT.		STD DEV	0	0	0	0	7	22	43	45	8	1	0	0	83
A Hon O	41-70	AVERAGE	0	0	0	0	7	47	128	90	13	0	0	0	285
KT THE	E1 00	STD DEV AVERAGE	0	0	0	0	7 7	23 45	45 127	38 92	13 12	1 0	0	0	80 284
27 1 1 1 2 2	21-80	STD DEV	0	0	0	0	7	24	45	35	13	1	0	0	284 75
THE THE	61-90	AVERAGE	0	0	0	0	8	44	130	95	12	0	0	0	288
2		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
2799		STD DEV	0	0	0	0	7	28	41	33	8	1	0	0	75
NJ-28	31-00	AVERAGE	0	0	0	1	35	145	281	228	76	10	0	0	775
New Jersey	21 60	STD DEV	0	0	0	1	20	40	50	49	32	9	0	0	110
	31-60	AVERAGE STD DEV	0 0	0 0	0 1	1 2	37 20	150 42	287 49	231 54	79 31	12 9	0	0	795 113
KIT The S	41-70	AVERAGE	0	0	0	1	35	147	278	222	79	12	0	0	774
HILL STATE	11 , 0	STD DEV	0	0	1	2	22	41	51	48	36	9	0	0	114
TO THE	51-80	AVERAGE	0	0	0	1	32	139	272	229	79	10	0	0	761
N. TUARY		STD DEV	0	0	0	1	19	42	50	43	36	9	0	0	104
The state of	61-90	AVERAGE	0	0	0	0	32	137	271	226	75	9	0	0	751
0 0	E1 00	STD DEV	0	0	0	1	18	40	40	44	36	9	0	0	89
2899	71-00	AVERAGE	0 0	0 0	0	0 1	33 20	141 44	282 53	229 48	73 24	8 9	0 0	0 0	768 111
NM-29	31-00	STD DEV AVERAGE	0	0	0	9	56	200	298	244	99	11	0	0	916
New Mexico	J1 00	STD DEV	0	0	1	7	24	43	39	39	30	7	0	0	115
I NOW INICAICO	31-60	AVERAGE	0	0	0	9	55	209	300	255	109	13	0	0	950
AT-		STD DEV	0	0	0	8	20	40	37	34	26	9	0	0	103
THE MAN	41-70	AVERAGE	0	0	0	9	55	199	304	250	103	11	0	0	931
KT LIHO	F1 00	STD DEV	0	0	0	8	17	44	40	36	26	9	0	0	109
77-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	51-80	AVERAGE STD DEV	0	0 0	0 1	8 6	51 20	203 45	304 45	238 40	95 28	10 6	0	0	908 120
A HILLY	61-90	AVERAGE	0	0	0	8	20 51	192	295	230	28 87	8	0	0	872
Denne A	01 00	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
2999		STD DEV	0	0	1	6	31	48	39	41	33	5	0	0	127
NY-30	31-00	AVERAGE	0	0	0	0	23	109	232	193	59	7	0	0	622
New York	21 60	STD DEV	0	0	0	1	15	34	45	46	26	6	0	0	99
1000	31-6U	AVERAGE STD DEV	0 0	0 0	0	0 1	22 13	110 38	235 46	194 52	59 25	8 7	0	0	628 107
ATTIME S	41-70	AVERAGE	0	0	0	0	22	112	229	188	62	8	0	0	621
HA HODE	, ,	STD DEV	0	0	0	1	15	37	48	47	31	7	0	0	108
MATHUM	51-80	AVERAGE	0	0	0	0	22	107	229	194	62	7	0	0	620
W TUARY		STD DEV	0	0	0	1	14	34	45	44	31	7	0	0	98
Transaction of	61-90	AVERAGE	0	0	0	0	22	104	227	192	59	6	0	0	610
A A		STD DEV	0	0	0	0	14	31	35	40	30	7	0	0	77
2000	71-00	AVERAGE	0	0	0	0	24	107	233	195	56	6	0	0	621
3099		STD DEV	0	0	0	1	15	35	47	41	21	7	0	0	99



Cooling Degree Days

North Carolina – Pennsylvania

North Carolina 31-60 41-70 51-80 61-90 71-00 3199 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	O AVERAGE STD DEV O AVERAGE	4 7 6 9 4 7 3 5 3 5 0 0	1 2 1 2 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 0 0 0 0	10 10 11 13 10 13 8 7 9 7	18 12 21 14 23 13 20 13 16	124 44 139 41 135 48 120 48 111	285 56 313 50 288 58 260 55 261	391 47 398 44 382 43 376 41 375	352 43 363 34 349 39 352 42 344	193 49 209 50 191 50 192 49	46 26 54 26 49 27 41 23	4 5 3 3 3 3 3	2 3 2 3 1 2 1 3	1430 150 1519 102 1434 146 1377 153
31-60 41-70 51-80 61-90 71-00 3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	O AVERAGE STD DEV	6 9 4 7 3 5 3 5 3 5 0 0	1 2 1 1 1 1 2 1 2	11 13 10 13 8 7 9 7	21 14 23 13 20 13 16 10	139 41 135 48 120 48 111	313 50 288 58 260 55	398 44 382 43 376 41	363 34 349 39 352 42	209 50 191 50 192 49	54 26 49 27 41 23	3 3 3 3 3 2	2 3 1 2 1 3	1519 102 1434 146 1377
3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 71-00 3299 OH-33 Ohio 31-60 41-70	STD DEV AVERAGE STD DEV	9 4 7 3 5 3 5 3 5 0 0	2 1 1 1 1 1 2 1 2	13 10 13 8 7 9 7	14 23 13 20 13 16 10	41 135 48 120 48 111	50 288 58 260 55	44 382 43 376 41	34 349 39 352 42	50 191 50 192 49	26 49 27 41 23	3 3 3 3 2	3 1 2 1 3	102 1434 146 1377
51-80 61-90 71-00 3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	O AVERAGE STD DEV	4 7 3 5 3 5 3 5 0 0	1 1 1 1 1 2 1 2	10 13 8 7 9 7	23 13 20 13 16 10	135 48 120 48 111	288 58 260 55	382 43 376 41	349 39 352 42	191 50 192 49	49 27 41 23	3 3 3 2	1 2 1 3	1434 146 1377
51-80 61-90 71-00 3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	STD DEV AVERAGE STD DEV	3 5 3 5 3 5 0 0	1 1 1 2 1 2 0	8 7 9 7 10	13 20 13 16 10	48 120 48 111	58 260 55	43 376 41	39 352 42	50 192 49	27 41 23	3 3 2	2 1 3	146 1377
3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	STD DEV AVERAGE STD DEV	5 3 5 3 5 0 0	1 1 2 1 2 0	7 9 7 10	13 16 10	48 111	55	41	42	49	23	2	3	
3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	O AVERAGE STD DEV	3 5 3 5 0 0	1 2 1 2 0	9 7 10	16 10	111								153
3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	STD DEV AVERAGE STD DEV	5 3 5 0 0	2 1 2 0	7	10		261	275	2/1/					
3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	O AVERAGE STD DEV	3 5 0 0	1 2 0	10		11	52	46	344 48	183 49	41 27	4 7	1 3	1348 141
3199 ND-32 North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	STD DEV O AVERAGE STD DEV	5 0 0 0	2		16	41 111	271	396	348	185	40	4	2	1386
North Dakota 31-60 41-70 51-80 61-90 71-00 3299 OH-33 Ohio 31-60 41-70	STD DEV O AVERAGE STD DEV O AVERAGE STD DEV O AVERAGE STD DEV O AVERAGE STD DEV	0		7	11	40	55	51	50	42	26	7	3	145
31-60 41-70 51-80 61-90 71-00 71-00 Ohio 31-60 41-70	O AVERAGE STD DEV O AVERAGE STD DEV O AVERAGE STD DEV	0		0	2	25	86	176	142	26	1	0	0	457
3299 OH-33 Ohio 41-70 41-70 41-70 41-70	STD DEV O AVERAGE STD DEV O AVERAGE STD DEV	_	0	0	3	20	44	60	50	17	3	0	0	114
51-80 61-90 71-00 OH-33 Ohio 31-60 41-70	O AVERAGE STD DEV O AVERAGE STD DEV	()	0	0	2	24	79	191	144	28	1	0	0	468
51-80 61-90 71-00 OH-33 Ohio 31-60 41-70	STD DEV 0 AVERAGE STD DEV	0	0 0	0 0	3 2	21 17	41 74	68 166	42 140	19 23	2 1	0 0	0	122 423
3299 OH-33 Ohio 31-60	O AVERAGE STD DEV	0	0	0	3	11	36	43	47	17	3	0	0	92
71-00 3299 OH-33 Ohio 31-60 41-70		0	0	0	2	23	84	168	137	23	1	0	0	438
71-00 3299 OH-33 Ohio 31-60 41-70	O AVERAGE	0	0	0	3	19	34	49	52	15	3	0	0	79
3299 OH-33 Ohio 31-60 41-70	a== -	0	0	0	2	26	92	176	140	23	1	0	0	460
3299 OH-33 Ohio 31-60 41-70	STD DEV 0 AVERAGE	0	0 0	0 0	3 2	22 29	48 93	48 165	60 139	15 24	3 0	0 0	0	104
OH-33 31-00 Ohio 31-60	STD DEV	0	0	0	4	29 21	93 48	165 54	139 57	16	1	0	0	453 112
Ohio 31-60	O AVERAGE	0	0	1	3	59	160	254	208	83	12	0	0	780
31-60	STD DEV	1	0	2	3	34	51	57	56	36	11	0	0	142
	0 AVERAGE	0	0	1	3	60	174	270	225	93	15	0	0	842
	STD DEV 0 AVERAGE	1 0	0 0	3 1	4	29 60	58 163	62 247	55 205	38 84	11 15	0	0	145 778
51-80	STD DEV	1	0	3	4	35	49	54	55	36	12	0	0	125
	O AVERAGE	0	0	1	3	58	151	239	202	85	12	0	0	751
A LATTY	STD DEV	0	0	2	4	34	48	47	49	38	11	0	0	121
61-90	0 AVERAGE	0	0	1	2	57	145	238	193	78	11	0	0	725
71 00	STD DEV 0 AVERAGE	0	0 0	2 1	3 2	36 57	41 149	45 245	48 200	35 74	11 10	0	0	104 738
3399	STD DEV	0	0	2	3	35	46	52	59	30	10	0	0	134
	O AVERAGE	0	2	13	39	151	361	524	499	266	70	3	0	1928
Oklahoma	STD DEV	1	3	11	26	50	69	77	85	75	36	4	0	250
31-60	0 AVERAGE	1	2	11	38	149	380	530	521	286	80	3	0	2000
A1-70	STD DEV 0 AVERAGE	2	3 1	12 10	28 46	47 153	75 362	85 515	94 496	78 262	40 72	3 3	0	261 1920
THE TOTAL TOTAL	STD DEV	1	3	11	31	51	68	83	84	62	43	3	0	250
51-80	O 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	0 AVERAGE	0	1	14	43	150	350	520	481	254	62	4	0	1879
71-00	STD DEV 0 AVERAGE	1 0	3 3	10 14	27 35	50 148	60 351	75 518	67 487	67 256	34 60	4	0	222 1876
3499	STD DEV	1	4	8	22	51	68	68	79	77	21	5	0	229
	O AVERAGE	0	0	0	0	5	23	83	79	31	1	0	0	222
Oregon	STD DEV	0	0	0	1	6	14	32	33	17	2	0	0	62
31-60	O AVERAGE	0	0	0 0	0	6 6	21	82	70	28	1	0	0	208
\$ 41-70	STD DEV 0 AVERAGE	0	0	0	1 0	6 5	13 21	31 80	27 70	15 29	2 1	0	0	57 205
THE TOTAL	STD DEV	0	0	0	0	5	15	32	36	17	2	0	0	72
51-80	O AVERAGE	0	0	0	0	4	23	82	73	30	1	0	0	213
WI THAT'S	STD DEV	0	0	0	0	5	15	29	40	19	2	0	0	72
61-90	O AVERAGE	0	0	0	0	4	25	79	82	29	1	0	0	220
71_00	STD DEV 0 AVERAGE	0	0	0	0 0	3 5	15 24	29 87	39 87	19 33	1 1	0	0	62 237
3599	STD DEV	0	0	0	0	6	15	35	32	18	1	0	0	56
	O AVERAGE	0	0	0	1	41	137	246	200	68	9	0	0	703
Pennsylvania	STD DEV	1	0	1	2	24	42	49	49	30	8	0	0	115
31-60	0 AVERAGE STD DEV	0	0 0	0	2 2	46 24	150 45	262	211 50	75 30	11 9	0 0	0 0	758 114
\$ 41-70	O AVERAGE	1 0	0	1 0	2	24 42	142	50 246	197	71	9 11	0	0	713
HAT HAD OF IT IN	STD DEV	1	0	1	2	26	42	50	47	32	9	0	0	113
51-80	0 71700-~-	0	0	0	1	38	130	236	200	72	9	0	0	687
A THAT	O AVERAGE	0	_											
61-90	STD DEV		0	0	2	22	41	48	45	33	8	0	0	102
71_00	STD DEV 0 AVERAGE	0	0	0	1	37	124	231	191	65	8	0 0	0 0	655
3699	STD DEV O AVERAGE STD DEV	0 0	0	0	1 1	37 21	124 36	231 39	191 45	65 33	8	0 0 0	0 0 0	655 82
	STD DEV 0 AVERAGE	0	0	0	1	37	124	231	191	65	8	0 0	0 0	655



Cooling Degree Days

Rhode Island – Utah

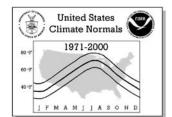
Ot-1-/D- :			1411	F==		455	B4437	11.15.		A: 10	0==	007	NOV	DE	A N I N I I
State/Region		ement	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
RI-37	31-00	AVERAGE STD DEV	0	0 0	0 0	0	6 5	63 26	189 47	163 47	38 20	2	0 0	0	462 100
Rhode Island	31-60	AVERAGE	0	0	0	0	5 6	61	189	162	39	3	0	0	459
M-	_ 00	STD DEV	0	0	0	0	4	27	49	49	18	4	0	0	97
HI DAS S	41-70	AVERAGE	0	0	0	0	5	61	185	153	37	3	0	0	444
11-1-11-10		STD DEV	0	0	0	0	4	28	52	49	22	4	0	0	112
	51-80	AVERAGE	0	0	0	0	5	59	181	158	36	2	0	0	441
ALTY HELLY	61 00	STD DEV AVERAGE	0	0 0	0	0	4 5	26 60	49 184	45 163	22 36	4 2	0	0	100 450
Lange of the same	01-90	STD DEV	0	0	0	0	4	25	37	48	22	4	0	0	94
	71-00	AVERAGE	0	0	0	0	7	66	194	169	39	2	0	0	477
3799		STD DEV	0	0	0	0	6	28	45	40	20	4	0	0	94
SC-38	31-00	AVERAGE	10	4	21	41	185	358	458	421	257	75	10	4	1845
South Carolina	21 60	STD DEV	13	4	16	21	54	59	50	44	53	36	10	5	169
	31-60	AVERAGE STD DEV	14 15	5 5	21 20	45 23	201 51	387 49	461 45	432 37	274 54	85 37	9 7	5 6	1939 110
ATTOM S	41-70	AVERAGE	10	4	20	49	197	362	446	420	252	78	9	3	1850
HA DOWN	11 70	STD DEV	12	4	19	23	55	62	43	45	55	38	7	5	165
	51-80	AVERAGE	9	3	19	44	183	335	445	422	257	68	9	4	1798
N. J. J. H.		STD DEV	12	4	13	21	59	61	46	46	54	30	7	6	180
Jan Jahr	61-90	AVERAGE	7	3	20	38	170	333	443	412	246	69	11	4	1758
7	71-00	STD DEV AVERAGE	12 9	4 4	13 21	19 37	50 171	57 342	52 463	46 417	52 250	36 69	13 12	5 5	166 1800
3899	/1-00	STD DEV	11	4	14	21	50	59	463 55	417	44	36	13	5 5	170
SD-39	31-00	AVERAGE	0	0	0	3	46	148	285	224	66	5	0	0	777
South Dakota		STD DEV	0	0	1	4	31	59	80	66	34	7	0	0	175
	31-60	AVERAGE	0	0	0	3	49	153	310	244	75	7	0	0	842
Kat The A	41 70	STD DEV AVERAGE	0	1 0	1 0	4	41 40	73 134	90 269	70 224	38 58	9 6	0	0	206 733
AL TOUR	41-70	STD DEV	0	1	1	4	23	52	61	61	27	8	0	0	134
	51-80	AVERAGE	0	0	0	3	42	147	276	218	60	5	0	0	749
NI TUARY		STD DEV	0	1	1	4	21	49	67	57	27	6	0	0	117
The state of	61-90	AVERAGE	0	0	0	3	44	150	281	213	58	4	0	0	753
3 0	71 00	STD DEV	0	0 0	1 0	4	24	49	60	61	28	5	0	0	115
3999	71-00	AVERAGE STD DEV	0	0	1	4	45 24	146 50	264 67	210 63	60 30	3 2	0	0	730 134
TN-40	31-00	AVERAGE	3	1	11	21	123	282	389	354	189	45	2	1	1421
Tennessee		STD DEV	5	2	11	15	49	60	56	61	58	27	3	2	191
10111100000	31-60	AVERAGE	5	2	12	23	135	311	407	381	208	55	1	1	1540
W. T. C.	41 70	STD DEV	7	3 1	14	16	43	66	54	57	60	29	3	3	156
AL HOME	41-70	AVERAGE STD DEV	3 6	2	11 13	26 16	132 50	289 67	383 60	353 61	186 53	48 30	1 1	1 2	1435 181
	51-80	AVERAGE	2	1	10	23	121	267	376	346	188	40	1	1	1375
VI TUTTO		STD DEV	4	2	9	16	51	65	60	57	57	24	1	2	194
The Barry	61-90	AVERAGE	1	1	11	20	112	259	368	333	175	38	2	1	1322
a v	71 00	STD DEV	3	2	9	14	51	44	56	55	55	27	3	2	160
4099	1,1-00	AVERAGE STD DEV	2	1 2	11 8	17 14	111 48	264 48	384 53	342 59	176 53	38 26	2	1 2	1349 172
TX-41	31-00	AVERAGE	16	18	57	125	284	463	569	562	379	170	41	12	2696
Texas	00	STD DEV	12	14	30	42	52	47	45	49	55	49	22	9	198
. 5/100	31-60	AVERAGE	19	20	56	122	285	478	575	575	390	184	36	13	2753
KT 1	41 70	STD DEV	14	14	35	38	47	45	37	43	51	57	19	9	162
AT-HOW IN	41-70	AVERAGE STD DEV	15 14	18 15	51 31	137 46	287 43	467 44	573 43	571 47	380 44	172 57	40 20	13 8	2723 180
KUTTHUR	51-80	AVERAGE	14	16	57	132	281	463	573	557	379	163	39	11	2685
NI LAND	-1 00	STD DEV	12	15	31	47	50	49	54	56	61	52	24	8	226
The state of the s	61-90	AVERAGE	12	14	58	132	278	446	558	548	368	157	46	11	2629
Y V		STD DEV	10	12	28	47	45	43	50	48	59	43	24	11	199
4100	71-00	AVERAGE	15	18	61	117	283	454	564	549	372	160	43	11	2648
4199 UT-42	31-00	STD DEV AVERAGE	11	13 0	23 0	38 4	60 26	50 105	50 255	52 207	61 63	32 7	24	9	210 667
Utah	31 00	STD DEV	0	0	0	4	17	43	46	44	26	5	0	0	109
Oldii	31-60	AVERAGE	0	0	0	4	27	103	260	208	68	9	0	0	680
		STD DEV	0	0	0	4	19	41	39	33	22	5	0	0	92
ALTON A	41-70	AVERAGE	0	0	0	3	25	89	252	201	63	7	0	0	640
The same	E1 00	STD DEV	0	0	0	3	15	37	34	44	27	5	0	0	90
以上 中共	2T-80	AVERAGE STD DEV	0	0 0	0 0	2 2	24 15	101 39	253 30	191 49	59 27	6 5	0 0	0 0	635 87
L HIM	61-90	AVERAGE	0	0	0	3	23	107	251	195	55	5	0	0	638
Sam A		STD DEV	0	0	0	3	13	45	40	48	30	5	0	0	100
	71-00	AVERAGE	0	0	0	4	25	115	250	210	61	6	0	0	669
4299		STD DEV	0	0	0	4	14	44	55	48	27	4	0	0	119



Cooling Degree Days

Vermont – Wyoming

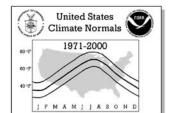
State/Region	El	ement	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
VT-43	31-00	AVERAGE	0	0	0	0	11	44	123	89	15	1	0	0	283
Vermont		STD DEV	0	0	0	0	9	23	39	37	13	1	0	0	76
	31-60	AVERAGE	0	0	0	0	11	46	127	94	16	1	0	0	294
ET TOWN	41 70	STD DEV AVERAGE	0 0	0 0	0	0	9 10	23 47	42 123	44 86	11 17	1 1	0 0	0	86 283
	41-70	STD DEV	0	0	0	0	9	25	42	39	16	1	0	0	283 84
	51-80	AVERAGE	0	0	0	0	11	45	123	89	15	1	0	0	283
NITUAN!		STD DEV	0	0	0	0	10	22	43	36	16	1	0	0	78
The Day	61-90	AVERAGE	0	0	0	0	11	41	124	88	14	1	0	0	279
A 0		STD DEV	0	0	0	0	10	22	33	33	15	1	0	0	61
	71-00	AVERAGE	0	0	0	0	12	42	122	88	12	0	0	0	275
4399 VA-44	21 00	STD DEV AVERAGE	0 1	0	0 2	0 6	10 75	23 215	38 333	32 287	8	1 24	0	0	71 1077
	31-00	STD DEV	3	0	4	6	75 34	49	533 50	287 47	134 44	24 17	1	1	131
Virginia	31-60	AVERAGE	2	0	2	7	83	230	340	295	142	28	0	0	1129
4		STD DEV	4	0	5	7	34	50	49	43	45	18	1	1	117
MITTER OF	41-70	AVERAGE	1	0	2	8	82	217	330	285	133	27	0	0	1086
174-0125		STD DEV	3	0	5	7	38	48	47	43	44	18	1	1	126
	51-80	AVERAGE	0	0	2	7	73	200	325	294	138	23	0	0	1063
THE HELLY	61 00	STD DEV	1 0	0 0	3	6 5	35 68	48 201	46	43 284	45	16 21	1 1	1	136
Droged)	01-90	AVERAGE STD DEV	1	0	2	5 5	68 29	45	321 44	∠84 48	129 45	21 18	2	0 1	1031 120
	71-00	AVERAGE	0	0	2	6	67	205	334	284	129	21	1	0	1049
4499	= 00	STD DEV	1	0	2	5	31	49	53	54	38	17	2	1	132
WA-45	31-00	AVERAGE	0	0	0	0	5	23	71	66	19	0	0	0	184
Washington		STD DEV	0	0	0	0	5	14	29	29	12	0	0	0	55
J	31-60	AVERAGE	0	0	0	0	6	21	71	56	17	0	0	0	171
	41 70	STD DEV	0	0	0	1	6	12	30	21	9	1	0	0	54
AT-FLEW TR	41-70	AVERAGE STD DEV	0 0	0	0	0	5 6	22 15	71 31	59 29	18 11	0	0	0	175 65
	51-80	AVERAGE	0	0	0	0	4	23	69	61	18	0	0	0	176
NITUAN!		STD DEV	0	0	0	0	5	16	28	33	12	0	0	0	65
The Ball	61-90	AVERAGE	0	0	0	0	4	25	67	71	19	0	0	0	186
V 0		STD DEV	0	0	0	0	2	15	26	33	13	0	0	0	52
4500	71-00	AVERAGE	0	0	0	0	5	23	73	76	21	0	0	0	198
4599	21 00	STD DEV AVERAGE	0 1	0	0 2	0 4	4 61	13 163	30 256	29 219	13 92	0 15	0	0	48 813
WV-46	31-00	STD DEV	3	0	4	4	32	48	53	52	38	12	1	0	133
West Virginia	31-60	AVERAGE	2	0	2	5	66	181	271	232	102	18	0	0	880
4		STD DEV	4	0	5	5	30	52	54	48	39	12	0	0	118
HALITES OF	41-70	AVERAGE	1	0	2	5	65	166	251	215	91	17	0	0	813
	F1 00	STD DEV	3	0	5	5	35	49	52	49	38	13	0	0	122
N-H-X-X	51-80	AVERAGE STD DEV	0 1	0 0	2	4 4	59 33	147 47	241 47	214 46	95 40	14 11	0 0	0 1	775 124
THE THE	61-90	AVERAGE	0	0	2	3	55	143	239	209	88	13	0	0	753
Las A	01 30	STD DEV	1	0	3	3	32	39	45	51	39	13	1	1	113
	71-00	AVERAGE	0	0	2	3	54	149	251	214	85	13	0	0	772
4699		STD DEV	1	0	3	3	32	44	51	57	32	13	1	1	126
WI-47	31-00	AVERAGE	0	0	0	1	30	105	195	159	34	5	0	0	528
Wisconsin	21 60	STD DEV	0	0	0	1	20	43	55 210	54 176	21	8	0	0	122
1000	31-60	AVERAGE STD DEV	0 0	0 0	0 1	1 1	29 21	111 51	210 58	176 57	40 25	7 8	0 0	0	574 126
ATTION S	41-70	AVERAGE	0	0	0	1	27	102	185	163	32	7	0	0	516
THE TOUR	. 0	STD DEV	0	0	1	1	18	38	51	57	17	10	0	0	114
	51-80	AVERAGE	0	0	0	1	29	100	184	150	31	6	0	0	500
ALL THAT		STD DEV	0	0	0	1	20	37	50	47	15	8	0	0	94
1 march	61-90	AVERAGE	0	0	0	1	30	99	189	145	30	5	0	0	497
3	71_00	STD DEV AVERAGE	0 0	0 0	0	1 1	21 31	37 101	48 186	44 148	14 31	8 4	0	0	96 500
4799	,1-00	STD DEV	0	0	0	1	20	39	53	52	17	5	0	0	117
WY-48	31-00	AVERAGE	0	0	0	0	6	51	130	96	20	1	0	0	304
Wyoming		STD DEV	0	0	0	1	6	28	39	32	13	1	0	0	68
,	31-60	AVERAGE	0	0	0	0	7	50	137	98	21	1	0	0	314
The same of	41 5	STD DEV	0	0	0	1	8	29	41	25	11	1	0	0	67
A-HOM NO	41-70	AVERAGE	0	0	0	0	5 5	43	128	97	20	1	0	0	294
	51-00	STD DEV AVERAGE	0 0	0 0	0	1 0	5 5	24 51	40 131	32 90	13 20	1 1	0	0	68 298
WITH THE	21-00	STD DEV	0	0	0	0	4	25	41	35	13	1	0	0	296 61
The Tark	61-90	AVERAGE	0	0	0	0	5	53	131	91	18	0	0	0	298
1		STD DEV	0	0	0	1	4	30	36	38	14	1	0	0	63
	71-00	AVERAGE	0	0	0	0	6	54	123	94	19	0	0	0	296
4899		STD DEV	0	0	0	0	5	30	37	36	13	1	0	0	66
			•		'										



Cooling Degree Days

Alaska – Hawaii – Territories – Census Regions Page 14

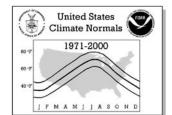
State/Region	Elem	nent	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
AK-50	31-00 A		0	0	0	0	0	1	1	1	0	0	0	0	3
Alaska	31-60 A	TD DEV	0 0	0 0	0 0	0 0	0 0	2 1	1 1	1 0	0 0	0 0	0 0	0	3
1 Townson		TD DEV	0	0	0	0	0	2	1	1	0	0	0	0	3
The state of the	41-70 A	VERAGE	0	0	0	0	0	1	1	0	0	0	0	0	3
		TD DEV	0	0	0	0	0	1	1	1	0	0	0	0	2
The state of the s	51-80 A	TD DEV	0 0	0 0	0 0	0 0	0 0	1 1	1 1	1 1	0 0	0	0	0	2 2
and the second	61-90 A		0	0	0	0	0	1	1	1	0	0	0	0	3
A		TD DEV	0	0	0	0	0	1	1	1	0	0	0	0	2
5099	71-00 A		0	0 0	0	0	0 0	1	2 1	1 1	0	0 0	0 0	0	4
HI-51	61-00 A	TD DEV VERAGE	0 150	134	0 175	0 199	251	1 296	335	357	342	323	252	0 191	3003
Hawaii		TD DEV	29	27	26	25	28	24	23	21	23	25	27	26	190
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2															
	61 00 3		155	126	170	200	0.5.2	205	224	256	240	201	0.5.1	101	2012
	61-90 A	TD DEV	155 30	136 29	178 26	200 24	253 30	295 23	334 23	356 22	342	321 25	251 26	191 24	3013 198
	71-00 A		151	135	176	198	245	292	333	357	344	326	253	192	3002
5199		TD DEV	30	26	27	26	28	25	24	21	21	22	27	27	197
PR-66 Puerto Rico	31-00 A	TD DEV	279 25	250 25	305	338 28	401 27	429 23	453 19	459 17	437 17	430 20	369 21	318 27	4469 205
Fuerto Mico	31-60 A		270	240	299	333	396	419	444	454	430	423	364	315	4386
		TD DEV	23	26	35	29	27	19	15	13	13	17	20	20	191
The Hallest	41-70 A	TD DEV	277 26	250 26	308	338 30	398 27	422 20	447 17	455 12	433	427 17	365 20	317 24	4436 188
) John States	51-80 A	-	276	250	306	337	400	426	450	455	433	428	366	314	4441
C.		TD DEV	25	23	31	27	24	19	14	13	15	17	19	26	165
	61-90 A	TD DEV	283 23	255 20	309	339 29	401 27	432	457 18	458 17	437 17	430 21	368 20	315 27	4485 180
	71-00 A		286	257	307	342	407	439	462	465	443	434	374	320	4537
6699		TD DEV	24	21	27	24	28	22	19	20	20	22	21	32	210
VI-67	31-00 A	VERAGE TD DEV	362 26	324 23	381	405 27	463 28	495 24	528 23	533 23	499 24	497 25	434 28	393 30	5312 189
Virgin Islands	31-60 A		360	319	382	405	461	491	525	533	497	496	439	399	5306
		TD DEV	25	24	29	28	24	24	30	24	24	24	25	24	181
A STATE OF THE STA	41-70 A	VERAGE TD DEV	366 23	329 21	388	410 30	459 26	492	523 29	531 24	498 21	500 29	439 26	399 29	5335 179
The Market	51-80 A		359	326	379	403	459	492	520	525	493	491	430	386	5262
Edward Com	II .	TD DEV	25	20	28	30	26	21	25	18	24	25	26	30	174
	61-90 A	VERAGE TD DEV	360 26	327 19	379 29	401 29	455 26	490	526 15	527 21	494 25	493 27	426 31	385 31	5263 170
	71-00 A		360	325	377	404	467	501	533	535	499	496	427	385	5306
6799	S'	TD DEV	28	22	29	24	32	23	15	24	28	24	30	34	214
PI-91	61-00 A	VERAGE TD DEV	415 19	376 17	438	451 24	490 22	486	498 22	496 20	485 21	493 18	459 17	443 18	5530 203
Pacific Islands															
the the party of the said	61-90 A	VERAGE TD DEV	412 19	372 17	434	444 23	484 22	479 20	490 19	489 17	480	489 17	455 16	438 16	5465 187
Mr. John	71-00 A		419	379	443	456	495	492	504	502	493	499	464	448	5594
9199	S'	TD DEV	18	15	22	23	21	20	20	18	18	14	15	15	177
Census Region-01	31-00 A	VERAGE TD DEV	0 0	0 0	0	0 0	6 6	62 25	177 43	141 41	24 16	1 2	0 0	0	410 82
New England	31-60 A		0	0	0	0	6	62	43 178	142	26	1	0	0	416
1 Trans	S'	TD DEV	0	0	0	0	6	27	44	46	14	2	0	0	87
(Sour	41-70 A		0	0	0	0	5 6	61	173	132	25	1 2	0	0	397
1 733	51-80 A	TD DEV VERAGE	0 0	0 0	0 0	0 0	6 5	26 59	47 171	41 137	18 23	0	0	0	88 395
121		TD DEV	0	0	0	0	5	25	44	38	19	2	0	0	77
Dur.	61-90 A		0	0	0	0	5	57	172	139	22	0	0	0	396
	71-00 A	TD DEV	0 0	0 0	0 0	0 0	5 6	22 63	33 180	39 146	18 22	1	0	0 0	68 418
5801		TD DEV	0	0	0	0	6	27	43	36	14	1	0	0	81
			-	-	- 1			*			- 1			- 1	



Cooling Degree Days

Census Regions

State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Census Region-02	31-00 AVERAGE	0	0	0	0	23	122	248	204	63	6	0	0	667
Middle Atlantic	STD DEV 31-60 AVERAGE	0	0 0	0	0	16 24	37 127	47 255	46 208	28 66	7 7	0 0	0	101 687
Marie 1	STD DEV	0	0	0	0	15	41	47	51	27	7	0	0	105
(1) (B)	41-70 AVERAGE	0	0	0	0	23	125	246	200	67	8	0	0	669
	STD DEV	0	0	0	0	17	38	49	46	32	7	0	0	107
711	51-80 AVERAGE STD DEV	0	0	0	0	22 15	117 37	242 47	206 43	66 32	6 6	0	0	659 98
1 many	61-90 AVERAGE	0	0	0	0	22	114	240	202	61	5	0	0	643
~ ~	STD DEV	0	0	0	0	15	33	37	42	32	7	0	0	78
F000	71-00 AVERAGE	0	0 0	0	0	23	117	247 49	205 44	59	5 6	0	0	655
5802 Census Region-03	STD DEV 31-00 AVERAGE	0	0	1	1	17 48	37 155	253	207	21 67	11	0	0	101 743
East North Central	STD DEV	0	0	2	2	30	49	56	59	31	10	0	0	134
2001.101.001.1001	31-60 AVERAGE	0	0	1	1	47	166	269	226	76	13	0	0	799
11 700 8	STD DEV 41-70 AVERAGE	1 0	0 0	3 1	3 2	25 47	58 156	60 243	58 206	34 67	10 14	0	0	137 736
14 7	STD DEV	0	0	3	2	29	47	53	206 59	28	13	0	0	121
1	51-80 AVERAGE	0	0	1	1	48	149	240	199	68	11	0	0	717
James of	STD DEV	0	0	1	2	31	46	50	49	29	12	0	0	111
V)	61-90 AVERAGE STD DEV	0	0 0	1 1	1 2	48 34	145 40	241 47	190 50	62 27	10 12	0 0	0 0	699 100
	71-00 AVERAGE	0	0	1	1	49	147	245	197	60	8	0	0	708
5803	STD DEV	0	0	1	2	33	43	52	60	27	8	0	0	130
Census Region-04	31-00 AVERAGE STD DEV	0	0 0	3 4	6 6	66 34	195 55	319 66	266 64	94 38	16 15	0 0	0 0	966 160
West North Central	31-60 AVERAGE	0	0	3	6	66	205	335	286	106	20	0	0	1027
Mr. S	STD DEV	0	1	5	7	33	67	77	66	43	16	0	0	179
(- Boys	41-70 AVERAGE	0	0	2	7	65	188	304	265	89	19	0	0	939
	STD DEV 51-80 AVERAGE	0	1 0	4 2	7 6	33 67	53 193	59 313	58 258	31 90	19 17	0	0	142 946
17	STD DEV	0	1	3	6	33	52	63	46	31	17	0	0	132
Lu D	61-90 AVERAGE	0	0	3	7	67	190	314	249	85	14	0	0	929
	STD DEV 71-00 AVERAGE	0	0 0	3	6 6	36 65	45 192	53 308	56 255	28 87	16 12	0	0	121 928
5804	STD DEV	0	0	3	6	33	46	54	62	33	8	0	0	131
Census Region-05	31-00 AVERAGE	35	30	46	72	183	325	420	393	262	121	48	31	1967
South Atlantic	STD DEV 31-60 AVERAGE	20 38	15 33	20 45	20 74	34 191	40 339	36 421	33 400	36 270	28 126	18 45	15 32	123 2013
MT O	STD DEV	22	17	22	22	33	37	33	26	37	30	17	16	90
11 1 60 5	41-70 AVERAGE	32	29	45	78	189	325	412	391	260	122	44	28	1954
1 5	STD DEV	17	16	20	22	34	43	31	30	36	30	18	13	113
State of the state	51-80 AVERAGE STD DEV	30 18	26 14	45 17	74 18	181 35	309 41	409 31	392 31	262 37	115 25	44 15	28 13	1914 117
1 man	61-90 AVERAGE	30	27	47	71	174	310	409	387	255	117	49	30	1906
,	STD DEV	19	14	17	18	28	38	36	35	36	29	19	15	117
5805	71-00 AVERAGE STD DEV	34 20	30 13	49 19	70 20	177 34	319 40	425 40	393 38	259 30	120 28	55 18	33 14	1964 133
Census Region-06	31-00 AVERAGE	10	5	19	31	148	313	415	385	221	60	5	3	1616
East South Central	STD DEV	10	5	15	19	48	55	50	55	57	30	5	5	180
~	31-60 AVERAGE STD DEV	14 13	7 6	20 19	33 18	159 44	339	430 48	406 50	239	71 32	4 5	4 5	1726 143
1) ton so	41-70 AVERAGE	10	6	17	38	157	319	409	383	218	64	4	3	1628
1 4	STD DEV	12	6	16	20	48	62	53	55	52	34	4	3	167
N. T.	51-80 AVERAGE STD DEV	8	5 5	17 12	34 19	145 50	300 60	405 53	377 51	220 57	53 27	4 4	3 4	1571 180
many of	61-90 AVERAGE	6	4	18	31	136	292	397	366	208	52	6	3	1520
d y	STD DEV	7	5	12	19	49	42	50	49	56	30	6	5	148
5006	71-00 AVERAGE	8	4	19	26	136	296	412	376	209	53	6	3	1549
5806 Census Region-07	STD DEV 31-00 AVERAGE	7 16	4 15	11 48	18 101	49 253	45 439	46 549	55 537	53 352	28 143	6 29	5 11	164 2491
West South Central	STD DEV	12	12	26	37	49	47	44	51	55	44	17	8	187
	31-60 AVERAGE	19	17	47	98	253	453	554	551	364	156	25	12	2549
1 Tom of	STD DEV 41-70 AVERAGE	14 16	13 15	30 42	33 111	46 256	46 442	38 549	47 542	53 351	50 145	15 28	8 11	152 2507
16 4 3025	STD DEV	13	13	27	41	42	45	44	49	44	51	15	7	168
1	51-80 AVERAGE	14	13	46	107	251	438	551	530	351	136	27	10	2475
The state of	STD DEV 61-90 AVERAGE	12 12	12 11	26 48	41 107	49 247	49 424	53 539	54 522	59 340	46 132	18 33	7 10	210 2426
4 >	STD DEV	9	10	24	41	43	424	49	46	57	40	33 19	9	186
	71-00 AVERAGE	14	15	51	94	252	431	545	527	345	134	31	10	2448
5807	STD DEV	10	11	20	34	56	48	48	53	60	30	19	8	201



Page 16

Cooling Degree Days

Census Regions

State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
Census Region-08	31-00 AVERAGE	0	2	NAR 8	33	92	218	346	300	167	53	4	0	1225
Mountain	STD DEV	1	2	7	15	28	40	32	33	28	18	4	0	106
7	31-60 AVERAGE	0	2	7	34	90	215	352	301	173	53	4	0	1230
pag of	STD DEV	0	2	6	14	28	37	32	25	22	17	3	0	97
1020	41-70 AVERAGE STD DEV	0 0	2 2	6 4	31 14	87 23	204 40	343 27	293 32	165 28	53 18	4 4	0	1188 94
1	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
Luch	61-90 AVERAGE	0	2	8	32	88	219	341	289	155	52	4	0	1190
NA PA	STD DEV	1	2	7	17	23	42	27	34	29	19	3	0	93
5808	71-00 AVERAGE STD DEV	1 1	3 2	10 7	35 17	96 29	229 39	341 33	302 36	167	55 18	4 4	0	1244
Census Region-09	31-00 AVERAGE	1	1	3	17	31	39 87	182	180	30 116	32	4	1	111 650
Pacific	STD DEV	2	2	4	9	19	29	36	38	33	17	4	1	101
12000	31-60 AVERAGE	1	0	3	11	28	78	179	164	112	27	4	1	607
The S	STD DEV	1	1	5	7	16	25	37	31	26	14	5	1	90
1 3020	41-70 AVERAGE	1 1	1 2	2 2	9 7	25 12	75 26	175 35	167 38	112 29	29 17	4 4	0 1	599 86
733	STD DEV 51-80 AVERAGE	1	1	2	9	25	26 85	182	38 175	115	32	3	1	631
121	STD DEV	2	2	3	7	12	29	31	40	31	18	4	1	79
Lind	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
5000	71-00 AVERAGE	2	1	4	14	36	100	188	193	125	36	4	1	704
5809	STD DEV 31-00 AVERAGE	2 9	2	4 17	11 31	23 98	29 215	35 322	39 292	38 158	18 54	4 13	1 7	95 1224
National Census Region Conterminous U.S.	STD DEV	5	8 4	7	3 I 8	98 19	215	322 29	292 30	23	54 12	13 5	3	83
Conterminous U.S.	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 STD DEV	8 5	7 4	16 7	32 9	96 20	209 26	316 28	287 25	157 21	52 12	12 4	7	1197 77
	61-90 AVERAGE	8	7	16	32	94	207	314	284	152	52	14	7	1186
100	STD DEV	5	3	6	9	19	22	25	27	20	11	5	3	66
4 4	71-00 AVERAGE	9	8	18	30	97	213	321	290	155	53	15	8	1215
5999	STD DEV	5	3	6	8	21	25	26	33	21	10	5	3	83
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