



**U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE**

HISTORICAL CLIMATOLOGY SERIES 5-1

MONTHLY  
STATE, REGIONAL, AND NATIONAL  
HEATING DEGREE DAYS  
WEIGHTED BY POPULATION  
(INCLUDES AERIALY WEIGHTED TEMPERATURE AND PRECIPITATION)

PERIOD: JULY 2000 THROUGH JUNE 2002

DATE PUBLISHED: October 2002

**NATIONAL CLIMATIC DATA CENTER  
151 PATTON AVENUE  
ASHEVILLE, NC 28801-5001**

1. STATE POPULATION-WEIGHTED HEATING DEGREE DAYS (BASE 65 DEG F)

THIS TABULATION IS DESIGNED TO PROVIDE UP-TO-DATE HEATING FUEL DEMAND INFORMATION ON A STATE-WIDE BASIS. THE TOTAL MONTHLY SERIES, BY STATE, ARE AVAILABLE FOR THE PERIOD 1931/32 THROUGH 1991/92: HISTORICAL CLIMATOLOGY SERIES 5-1, "STATE REGIONAL AND NATIONAL MONTHLY AND SEASONAL HEATING DEGREE DAYS WEIGHTED BY POPULATION (1990 CENSUS), (JULY 1931 - JUNE 1992)."

THE STATE AVERAGE DEGREE DAY TOTALS FOR EACH MONTH ARE DERIVED FROM THE DIVISIONAL VALUES BY WEIGHTING EACH DIVISION BY ITS PERCENTAGE OF THE TOTAL STATE POPULATION AS ADDUCED FROM THE 1990 CENSUS DATA (BUREAU OF CENSUS,1992). THE POPULATION WEIGHTING PROCEDURE ASSURES THAT DEGREE-DAY AVERAGES FOR THE STATES AS A WHOLE ARE BIASED TOWARD CONDITIONS EXISTING IN THE MORE POPULOUS SECTIONS OF THE STATES. DEGREE DAY DATA IN THIS TABULATION ARE PRESENTLY AVAILABLE FOR THE 48 CONTERMINOUS STATES WITH THE DISTRICT OF COLUMBIA TREATED AS PART OF MARYLAND.

THE INFORMATION IN THE TABLES IS SELF-EXPLANATORY AND IS DESIGNED TO ALLOW COMPARISON OF THE ENERGY DEMAND FOR THE CURRENT YEAR TO NORMAL AND TO CONDITIONS IN THE PREVIOUS YEAR.

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\*\*NOTE : MONTHLY HEATING DEGREE DAY VALUES IN THIS PUBLICATION MAY DIFFER FROM THE HISTORICAL CLIMATOLOGY SERIES 5-1 DUE TO INTERNAL COMPUTER ROUNDING DIFFERENCES BETWEEN THE TWO PROGRAMS.

THE DATA PRESENTED IN THIS MONTHLY OPERATIONAL REPORT ARE PROVISIONAL AND SUBJECT TO CHANGE AND/OR CORRECTIONS WHICH ARE BASED ON LATER INFORMATION.

## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	1 ALABAMA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	7	109	384	825	773	400	455	87	23	0
2000/2001	0	0	7	116	500	1325	2098	2498	2953	3040	3063	3063
2000/2001	.0	.0	70.7	73.7	99.2	120.4	115.9	106.5	109.4	107.7	107.3	107.3
2001/2002	0	0	13	187	223	476	596	554	355	64	30	0
2001/2002	0	0	13	200	423	899	1495	2049	2404	2468	2498	2498
2001/2002	.0	.0	131.3	127.1	83.9	81.7	82.6	87.4	89.1	87.5	87.5	87.5
STATE : SEASON	2 ARIZONA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	2	74	442	428	534	405	246	120	11	1
2000/2001	0	0	2	76	518	946	1480	1885	2131	2251	2262	2263
2000/2001	.0	.0	32.8	98.8	146.7	110.3	107.3	107.9	104.0	102.6	101.5	101.4
2001/2002	0	0	2	36	176	551	486	325	267	60	19	1
2001/2002	0	0	2	38	214	765	1251	1576	1843	1903	1922	1923
2001/2002	.0	.0	32.8	49.4	60.6	89.2	90.7	90.2	90.0	86.7	86.2	86.1
STATE : SEASON	3 ARKANSAS JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	8	111	546	1046	876	562	539	75	23	1
2000/2001	0	0	8	119	665	1711	2587	3149	3688	3763	3786	3787
2000/2001	.0	.0	44.4	68.2	113.1	130.7	120.8	113.9	115.8	113.0	112.6	112.5
2001/2002	0	0	22	198	313	626	716	651	547	106	51	1
2001/2002	0	0	22	220	533	1159	1875	2526	3073	3179	3230	3231
2001/2002	.0	.0	122.2	126.1	90.7	88.5	87.5	91.4	96.5	95.5	96.0	96.0
STATE : SEASON	4 CALIFORNIA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	16	5	22	146	404	401	532	454	298	312	50	24
2000/2001	16	21	43	189	593	994	1526	1980	2278	2590	2640	2664
2000/2001	175.8	132.9	92.5	121.2	126.7	104.0	105.3	108.5	103.6	105.2	101.2	100.0
2001/2002	12	5	24	74	274	499	513	336	378	240	152	40
2001/2002	12	17	41	115	389	888	1401	1737	2115	2355	2507	2547
2001/2002	131.9	107.6	88.2	73.7	83.1	92.9	96.6	95.2	96.1	95.6	96.1	95.6
STATE : SEASON	5 COLORADO JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	2	10	179	532	1114	1211	1209	1040	893	562	346	94
2000/2001	2	12	191	723	1837	3048	4257	5297	6190	6752	7098	7192
2000/2001	9.0	16.5	63.4	85.7	105.7	104.1	102.0	102.3	101.2	100.1	99.6	99.0
2001/2002	2	26	155	517	785	1141	1186	1035	1037	519	374	60
2001/2002	2	28	183	700	1485	2626	3812	4847	5884	6403	6777	6837
2001/2002	9.0	38.6	60.7	83.0	85.4	89.7	91.4	93.6	96.2	94.9	95.1	94.1

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 2 = ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	6 CONNECTICUT JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	13	18	103	402	701	1177	1191	972	930	484	170	10
2000/2001	13	31	134	536	1237	2414	3605	4577	5507	5991	6161	6171
2000/2001	928.6	223.0	111.9	102.9	103.5	107.3	104.4	102.2	103.2	102.3	101.2	100.8
2001/2002	7	0	84	351	557	818	952	836	785	405	274	33
2001/2002	7	7	91	442	999	1817	2769	3605	4390	4795	5069	5102
2001/2002	500.0	50.4	76.0	84.8	83.6	80.8	80.2	80.5	82.3	81.9	83.3	83.3
STATE : SEASON	7 DELAWARE JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	55	247	612	1067	1015	778	775	334	97	0
2000/2001	0	0	55	302	914	1981	2996	3774	4549	4883	4980	4980
2000/2001	.0	.0	160.8	98.3	108.1	115.2	109.4	105.0	106.7	105.5	105.1	105.0
2001/2002	0	0	43	251	397	673	800	681	603	248	119	0
2001/2002	0	0	43	294	691	1364	2164	2845	3448	3696	3815	3815
2001/2002	.0	.0	125.7	95.7	81.7	79.3	79.0	79.1	80.9	79.8	80.5	80.5
STATE : SEASON	8 FLORIDA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	0	10	80	206	321	85	79	8	0	0
2000/2001	0	0	0	10	90	296	617	702	781	789	789	789
2000/2001	.0	.0	.0	140.8	131.8	125.1	134.1	111.6	110.8	110.3	110.3	110.3
2001/2002	0	0	0	10	35	93	188	153	51	1	0	0
2001/2002	0	0	0	10	45	138	326	479	530	531	531	531
2001/2002	.0	.0	.0	140.8	65.9	58.3	70.9	76.1	75.2	74.2	74.2	74.2
STATE : SEASON	9 GEORGIA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	15	135	406	843	742	410	443	114	35	4
2000/2001	0	0	15	150	556	1399	2141	2551	2994	3108	3143	3147
2000/2001	.0	.0	156.2	97.2	111.5	128.1	119.8	110.0	111.9	110.8	110.7	110.7
2001/2002	0	0	19	197	230	462	623	538	359	70	52	0
2001/2002	0	0	19	216	446	908	1531	2069	2428	2498	2550	2550
2001/2002	.0	.0	197.9	140.0	89.4	83.1	85.6	89.2	90.8	89.0	89.8	89.7
STATE : SEASON	10 IDAHO JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	18	23	227	523	1060	1199	1282	1034	757	594	249	134
2000/2001	18	41	268	791	1851	3050	4332	5366	6123	6717	6966	7100
2000/2001	71.4	58.3	91.3	96.5	109.7	105.9	105.1	105.7	103.5	103.6	102.1	102.0
2001/2002	18	15	123	506	751	1235	1192	1081	940	538	333	102
2001/2002	18	33	156	662	1413	2648	3840	4921	5861	6399	6732	6834
2001/2002	71.4	46.9	53.2	80.8	83.7	91.9	93.1	96.9	99.0	98.7	98.7	98.2

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

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LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	11 ILLINOIS JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	8	10	73	281	817	1516	1271	1056	935	325	151	44
2000/2001	8	18	91	372	1189	2705	3976	5032	5967	6292	6443	6487
2000/2001	363.6	104.7	94.6	80.0	100.3	115.3	108.0	105.7	106.7	104.3	103.5	103.7
2001/2002	0	7	112	391	479	952	1034	915	941	422	287	15
2001/2002	0	7	119	510	989	1941	2975	3890	4831	5253	5540	5555
2001/2002	.0	40.7	123.7	109.7	83.4	82.8	80.8	81.7	86.4	87.1	89.0	88.8
STATE : SEASON	12 INDIANA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	10	13	92	269	745	1438	1195	912	886	281	131	34
2000/2001	10	23	115	384	1129	2567	3762	4674	5560	5841	5972	6006
2000/2001	285.7	132.2	119.3	83.2	99.0	115.7	108.4	103.8	105.1	102.4	101.5	101.7
2001/2002	3	5	106	364	480	879	968	847	854	363	244	10
2001/2002	3	8	114	478	958	1837	2805	3652	4506	4869	5113	5123
2001/2002	85.7	46.0	118.3	103.5	84.0	82.8	80.8	81.1	85.2	85.3	86.9	86.7
STATE : SEASON	13 IOWA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	11	13	86	325	966	1700	1374	1308	1082	372	183	46
2000/2001	11	24	110	435	1401	3101	4475	5783	6865	7237	7420	7466
2000/2001	189.7	87.0	78.5	78.6	101.9	115.9	108.2	109.0	110.6	108.5	108.1	108.3
2001/2002	1	13	147	462	507	1056	1121	1009	1065	485	272	16
2001/2002	1	14	161	623	1130	2186	3307	4316	5381	5866	6138	6154
2001/2002	17.2	50.7	114.9	112.6	82.2	81.7	79.9	81.4	86.7	87.9	89.5	89.3
STATE : SEASON	14 KANSAS JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	22	189	803	1310	1073	953	752	199	78	15
2000/2001	0	0	22	211	1014	2324	3397	4350	5102	5301	5379	5394
2000/2001	.0	.0	37.9	67.4	107.9	119.1	110.2	110.2	111.2	108.7	108.0	108.1
2001/2002	0	0	59	271	434	836	957	810	778	261	142	2
2001/2002	0	0	59	330	764	1600	2557	3367	4145	4406	4548	4550
2001/2002	.0	.0	101.5	105.4	81.3	82.0	83.0	85.3	90.3	90.3	91.3	91.2
STATE : SEASON	15 KENTUCKY JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	53	198	619	1183	1027	659	733	178	74	10
2000/2001	0	0	53	251	870	2053	3080	3739	4472	4650	4724	4734
2000/2001	.0	.0	111.6	77.5	100.3	117.9	111.5	104.4	107.2	104.5	103.6	103.7
2001/2002	0	0	63	284	403	706	832	732	614	203	136	0
2001/2002	0	0	63	347	750	1456	2288	3020	3634	3837	3973	3973
2001/2002	.0	.0	132.6	107.2	86.4	83.6	82.9	84.4	87.1	86.2	87.2	87.0

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

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## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	16 LOUISIANA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	0	49	267	604	580	246	279	15	0	0
2000/2001	0	0	0	49	316	920	1500	1746	2025	2040	2040	2040
2000/2001	.0	.0	.0	81.1	119.4	135.9	125.4	111.3	113.6	111.8	111.7	111.7
2001/2002	0	0	1	85	129	320	425	420	218	14	0	0
2001/2002	0	0	1	86	215	535	960	1380	1598	1612	1612	1612
2001/2002	.0	.0	200.0	142.4	81.2	79.0	80.3	88.0	89.6	88.3	88.3	88.3
STATE : SEASON	17 MAINE JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	72	75	253	570	822	1376	1500	1292	1181	746	312	61
2000/2001	72	147	400	970	1792	3168	4668	5960	7141	7887	8199	8260
2000/2001	220.9	153.8	121.1	109.8	102.6	103.8	103.2	103.0	103.9	104.0	103.0	102.4
2001/2002	54	26	177	506	770	1060	1271	1175	1092	690	442	161
2001/2002	54	80	257	763	1533	2593	3864	5039	6131	6821	7263	7424
2001/2002	165.6	83.7	77.8	86.3	87.8	84.9	85.4	87.0	89.2	90.0	91.3	92.0
STATE : SEASON	18 MARYLAND & D.C. JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	1	1	55	238	638	1116	1020	751	755	294	103	1
2000/2001	1	2	57	295	933	2049	3069	3820	4575	4869	4972	4973
2000/2001	1000.0	500.0	143.9	90.1	105.6	115.4	109.4	104.3	105.9	104.2	104.0	103.9
2001/2002	1	0	53	265	413	703	803	698	611	248	120	0
2001/2002	1	1	54	319	732	1435	2238	2936	3547	3795	3915	3915
2001/2002	1000.0	250.0	136.4	97.5	82.8	80.8	79.8	80.2	82.1	81.2	81.9	81.8
STATE : SEASON	19 MASSACHUSETTS JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	14	25	120	412	701	1169	1193	991	962	547	208	17
2000/2001	14	39	159	571	1272	2441	3634	4625	5587	6134	6342	6359
2000/2001	736.8	213.1	110.6	101.2	101.0	104.6	102.2	100.3	101.4	100.9	99.9	99.3
2001/2002	9	1	81	352	578	847	968	885	830	469	296	65
2001/2002	9	10	91	443	1021	1868	2836	3721	4551	5020	5316	5381
2001/2002	473.7	54.6	63.3	78.5	81.1	80.1	79.7	80.7	82.6	82.6	83.7	84.0
STATE : SEASON	20 MICHIGAN JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	28	29	146	360	791	1457	1235	1065	1012	487	208	57
2000/2001	28	57	203	563	1354	2811	4046	5111	6123	6610	6818	6875
2000/2001	307.7	157.9	125.5	92.7	98.7	110.8	104.6	101.9	102.6	101.4	100.6	100.5
2001/2002	8	10	165	451	557	938	1060	966	1025	529	392	36
2001/2002	8	18	183	634	1191	2129	3189	4155	5180	5709	6101	6137
2001/2002	87.9	49.9	113.1	104.4	86.8	83.9	82.4	82.9	86.8	87.6	90.0	89.8

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

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PERCENTAGE OF 9999.9 => 10000

## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	21 MINNESOTA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	23	31	216	460	1048	1864	1477	1574	1227	594	258	78
2000/2001	23	54	270	730	1778	3642	5119	6693	7920	8514	8772	8850
2000/2001	101.8	74.2	92.2	86.1	95.2	106.7	99.5	102.4	103.2	102.5	102.0	101.9
2001/2002	13	19	209	583	653	1242	1363	1132	1370	679	424	50
2001/2002	13	32	241	824	1477	2719	4082	5214	6584	7263	7687	7737
2001/2002	57.5	44.0	82.3	97.1	79.1	79.6	79.3	79.7	85.8	87.5	89.4	89.1
STATE : SEASON	22 MISSISSIPPI JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	2	95	380	806	752	368	421	52	10	0
2000/2001	0	0	2	97	477	1283	2035	2403	2824	2876	2886	2886
2000/2001	.0	.0	39.2	78.2	111.9	131.2	124.0	112.7	115.5	113.5	113.2	113.2
2001/2002	0	0	7	165	213	445	561	535	336	51	16	0
2001/2002	0	0	7	172	385	830	1391	1926	2262	2313	2329	2329
2001/2002	.0	.0	137.3	138.6	90.3	84.9	84.8	90.3	92.5	91.3	91.4	91.4
STATE : SEASON	23 MISSOURI JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	2	0	44	208	774	1391	1138	905	805	187	91	18
2000/2001	2	2	46	254	1028	2419	3557	4462	5267	5454	5545	5563
2000/2001	222.2	27.4	72.3	73.7	107.1	122.4	113.5	110.4	112.0	109.1	108.4	108.5
2001/2002	0	1	77	311	422	837	949	806	795	272	168	6
2001/2002	0	1	78	389	811	1648	2597	3403	4198	4470	4638	4644
2001/2002	.0	13.7	122.6	112.9	84.5	83.4	82.9	84.2	89.2	89.4	90.7	90.6
STATE : SEASON	24 MONTANA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	36	50	303	636	1228	1437	1226	1274	914	673	329	206
2000/2001	36	86	389	1025	2253	3690	4916	6190	7104	7777	8106	8312
2000/2001	57.1	57.2	82.1	94.0	108.1	108.5	102.7	105.5	103.5	103.3	102.0	102.1
2001/2002	45	32	194	634	822	1265	1240	1050	1296	753	493	183
2001/2002	45	77	271	905	1727	2992	4232	5282	6578	7331	7824	8007
2001/2002	71.3	51.2	57.2	83.0	82.9	88.0	88.4	90.1	95.9	97.4	98.4	98.3
STATE : SEASON	25 NEBRASKA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	8	1	80	325	1038	1505	1206	1226	933	375	165	37
2000/2001	8	9	89	414	1452	2957	4163	5389	6322	6697	6862	6899
2000/2001	150.9	46.4	67.8	79.7	109.6	116.1	107.1	109.1	109.4	108.0	107.6	107.6
2001/2002	1	8	110	402	542	1041	1094	980	1063	406	246	9
2001/2002	1	9	119	521	1063	2104	3198	4178	5241	5647	5893	5902
2001/2002	18.9	46.4	90.7	100.3	80.3	82.6	82.3	84.6	90.7	91.1	92.4	92.0

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 2 = ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	26 NEVADA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	4	5	64	256	672	709	827	661	403	329	61	27
2000/2001	4	9	73	329	1001	1710	2537	3198	3601	3930	3991	4018
2000/2001	108.1	59.2	85.1	97.8	112.4	99.7	99.2	100.9	97.1	96.9	94.7	94.3
2001/2002	1	1	38	165	455	814	802	581	546	239	137	26
2001/2002	1	2	40	205	660	1474	2276	2857	3403	3642	3779	3805
2001/2002	27.0	13.2	46.6	60.9	74.1	85.9	89.0	90.2	91.8	89.8	89.7	89.3
STATE : SEASON	27 NEW HAMPSHIRE JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	47	63	211	539	822	1347	1381	1177	1118	668	271	47
2000/2001	47	110	321	860	1682	3029	4410	5587	6705	7373	7644	7691
2000/2001	317.6	170.0	118.0	106.9	102.5	104.3	102.0	101.0	102.3	102.4	101.7	101.3
2001/2002	37	14	157	477	745	1012	1138	1075	999	562	378	91
2001/2002	37	51	208	685	1430	2442	3580	4655	5654	6216	6594	6685
2001/2002	250.0	78.8	76.5	85.1	87.1	84.1	82.8	84.1	86.3	86.3	87.7	88.0
STATE : SEASON	28 NEW JERSEY JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	4	6	79	328	667	1120	1098	858	840	404	133	5
2000/2001	4	10	89	417	1084	2204	3302	4160	5000	5404	5537	5542
2000/2001	9999.9	500.0	132.2	102.8	107.1	111.6	106.8	103.0	104.1	103.0	102.3	102.1
2001/2002	0	0	65	304	487	736	874	751	688	326	192	6
2001/2002	0	0	65	369	856	1592	2466	3217	3905	4231	4423	4429
2001/2002	.0	.0	96.6	91.0	84.5	80.6	79.7	79.6	81.3	80.6	81.7	81.6
STATE : SEASON	29 NEW MEXICO JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	1	2	25	322	807	893	1003	684	595	301	89	13
2000/2001	1	3	28	350	1157	2050	3053	3737	4332	4633	4722	4735
2000/2001	32.3	25.6	36.5	92.7	115.0	107.2	106.9	104.5	103.6	102.1	100.8	100.4
2001/2002	0	6	34	232	555	928	881	761	623	213	103	6
2001/2002	0	6	40	272	827	1755	2636	3397	4020	4233	4336	4342
2001/2002	.0	51.3	52.2	72.1	82.2	91.8	92.3	95.0	96.1	93.3	92.5	92.1
STATE : SEASON	30 NEW YORK JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	17	18	97	360	693	1176	1128	942	937	469	170	21
2000/2001	17	35	132	492	1185	2361	3489	4431	5368	5837	6007	6028
2000/2001	369.6	187.2	119.0	103.1	105.3	110.0	104.8	101.9	103.2	102.2	101.4	101.1
2001/2002	11	3	81	316	494	777	912	821	782	410	275	24
2001/2002	11	14	95	411	905	1682	2594	3415	4197	4607	4882	4906
2001/2002	239.1	74.9	85.7	86.1	80.4	78.4	77.9	78.5	80.7	80.7	82.4	82.3

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 2 = ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000



## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	31 NORTH CAROLINA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	23	187	514	921	795	522	549	161	50	2
2000/2001	0	0	23	210	724	1645	2440	2962	3511	3672	3722	3724
2000/2001	.0	.0	125.7	95.5	113.7	123.4	114.2	106.6	108.4	106.9	106.7	106.6
2001/2002	0	0	34	239	304	527	700	577	445	102	63	1
2001/2002	0	0	34	273	577	1104	1804	2381	2826	2928	2991	2992
2001/2002	.0	.0	185.8	124.2	90.6	82.8	84.5	85.7	87.2	85.3	85.7	85.7
STATE : SEASON	32 NORTH DAKOTA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	29	46	260	576	1274	1917	1520	1691	1201	677	291	130
2000/2001	29	75	335	911	2185	4102	5622	7313	8514	9191	9482	9612
2000/2001	89.2	79.6	90.6	91.9	103.0	109.0	100.9	104.2	103.4	103.0	102.4	102.4
2001/2002	24	27	224	706	829	1466	1518	1170	1514	806	501	84
2001/2002	24	51	275	981	1810	3276	4794	5964	7478	8284	8785	8869
2001/2002	73.8	54.1	74.4	99.0	85.3	87.1	86.1	85.0	90.8	92.8	94.8	94.5
STATE : SEASON	33 OHIO JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	15	18	107	304	750	1346	1172	886	916	354	168	35
2000/2001	15	33	140	444	1194	2540	3712	4598	5514	5868	6036	6071
2000/2001	375.0	197.6	129.4	91.4	102.9	115.0	108.4	103.3	105.0	102.9	102.3	102.3
2001/2002	4	3	126	355	502	850	966	855	818	385	275	14
2001/2002	4	7	133	488	990	1840	2806	3661	4479	4864	5139	5153
2001/2002	100.0	41.9	122.9	100.5	85.3	83.3	81.9	82.3	85.3	85.3	87.1	86.9
STATE : SEASON	34 OKLAHOMA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	7	103	639	1072	912	663	574	105	23	0
2000/2001	0	0	7	110	749	1821	2733	3396	3970	4075	4098	4098
2000/2001	.0	.0	35.5	66.3	122.2	130.3	119.4	115.2	116.8	114.5	114.1	114.0
2001/2002	0	0	25	174	319	683	773	669	582	148	56	0
2001/2002	0	0	25	199	518	1201	1974	2643	3225	3373	3429	3429
2001/2002	.0	.0	126.9	119.9	84.5	85.9	86.3	89.6	94.9	94.8	95.4	95.4
STATE : SEASON	35 OREGON JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	63	65	145	391	740	797	792	696	588	538	252	205
2000/2001	63	128	273	664	1404	2201	2993	3689	4277	4815	5067	5272
2000/2001	98.9	99.4	95.1	98.3	107.6	103.6	101.0	102.2	100.9	101.8	100.0	100.8
2001/2002	71	46	119	400	565	785	794	638	695	455	360	126
2001/2002	71	117	236	636	1201	1986	2780	3418	4113	4568	4928	5054
2001/2002	111.5	90.8	82.2	94.2	92.1	93.5	93.9	94.7	97.1	96.6	97.3	96.7

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

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LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE :	36 PENNSYLVANIA											
SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	17	19	116	354	739	1243	1161	890	916	429	177	26
2000/2001	17	36	152	506	1245	2488	3649	4539	5455	5884	6061	6087
2000/2001	288.1	173.9	126.7	99.2	105.5	112.6	107.4	103.0	104.6	103.5	103.0	102.8
2001/2002	14	4	117	367	536	821	947	826	766	387	249	18
2001/2002	14	18	135	502	1038	1859	2806	3632	4398	4785	5034	5052
2001/2002	237.3	87.0	112.5	98.5	88.0	84.1	82.6	82.5	84.3	84.1	85.5	85.3
STATE :	37 RHODE ISLAND											
SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	6	11	85	362	645	1103	1094	915	886	497	180	8
2000/2001	6	17	102	464	1109	2212	3306	4221	5107	5604	5784	5792
2000/2001	375.0	125.0	92.2	97.1	99.7	105.2	102.2	100.0	100.6	99.7	98.2	97.5
2001/2002	8	0	58	319	507	787	908	817	768	422	275	49
2001/2002	8	8	66	385	892	1679	2587	3404	4172	4594	4869	4918
2001/2002	500.0	58.8	59.7	80.5	80.2	79.9	80.0	80.6	82.2	81.7	82.7	82.8
STATE :	38 SOUTH CAROLINA											
SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	8	139	415	841	711	422	428	99	20	0
2000/2001	0	0	8	147	562	1403	2114	2536	2964	3063	3083	3083
2000/2001	.0	.0	148.1	102.9	118.6	132.4	121.1	111.6	112.9	111.6	111.4	111.4
2001/2002	0	0	11	181	220	429	599	501	326	45	37	0
2001/2002	0	0	11	192	412	841	1440	1941	2267	2312	2349	2349
2001/2002	.0	.0	203.7	134.5	86.9	79.4	82.5	85.4	86.4	84.3	84.9	84.9
STATE :	39 SOUTH DAKOTA											
SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	18	14	140	431	1192	1676	1330	1454	1117	542	233	80
2000/2001	18	32	172	603	1795	3471	4801	6255	7372	7914	8147	8227
2000/2001	105.9	73.2	79.6	85.8	109.1	114.4	105.6	108.9	109.4	108.7	108.1	108.1
2001/2002	11	13	143	508	678	1224	1247	983	1306	570	368	38
2001/2002	11	24	167	675	1353	2577	3824	4807	6113	6683	7051	7089
2001/2002	64.7	54.9	77.2	96.0	82.2	85.0	84.1	83.7	90.7	91.8	93.5	93.1
STATE :	40 TENNESSEE											
SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	27	173	542	1063	960	581	635	147	59	7
2000/2001	0	0	27	200	742	1805	2765	3346	3981	4128	4187	4194
2000/2001	.0	.0	84.6	73.3	97.7	116.5	112.1	104.9	107.6	105.2	104.6	104.7
2001/2002	0	0	46	280	362	637	776	693	532	150	101	0
2001/2002	0	0	46	326	688	1325	2101	2794	3326	3476	3577	3577
2001/2002	.0	.0	144.2	119.4	90.6	85.5	85.2	87.6	89.9	88.6	89.4	89.3

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 2 = ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	41 TEXAS JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	0	41	340	640	599	323	342	36	2	0
2000/2001	0	0	0	41	381	1021	1620	1943	2285	2321	2323	2323
2000/2001	.0	.0	.0	68.6	128.6	132.5	121.3	111.8	115.6	114.0	113.9	113.9
2001/2002	0	0	3	72	170	408	456	455	281	27	2	0
2001/2002	0	0	3	75	245	653	1109	1564	1845	1872	1874	1874
2001/2002	.0	.0	130.4	125.4	82.7	84.7	83.0	90.0	93.3	92.0	91.9	91.9
STATE : SEASON	42 UTAH JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	1	1	121	427	1017	1060	1235	904	670	488	162	51
2000/2001	1	2	123	550	1567	2627	3862	4766	5436	5924	6086	6137
2000/2001	34.5	16.9	76.6	90.3	110.7	102.2	101.8	100.5	98.0	97.5	95.6	95.1
2001/2002	1	1	58	361	693	1237	1197	1061	887	433	241	39
2001/2002	1	2	60	421	1114	2351	3548	4609	5496	5929	6170	6209
2001/2002	34.5	16.9	37.4	69.1	78.7	91.4	93.5	97.2	99.1	97.5	97.0	96.2
STATE : SEASON	43 VERMONT JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	66	83	258	579	881	1474	1443	1259	1213	723	282	66
2000/2001	66	149	407	986	1867	3341	4784	6043	7256	7979	8261	8327
2000/2001	297.3	177.8	133.2	115.3	108.6	110.1	105.8	104.0	105.3	105.5	104.8	104.5
2001/2002	60	24	200	507	772	1057	1213	1139	1066	607	446	108
2001/2002	60	84	284	791	1563	2620	3833	4972	6038	6645	7091	7199
2001/2002	270.3	100.2	92.9	92.5	90.9	86.4	84.8	85.6	87.6	87.9	89.9	90.3
STATE : SEASON	44 VIRGINIA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	1	1	56	237	633	1069	950	677	713	260	105	6
2000/2001	1	2	58	295	928	1997	2947	3624	4337	4597	4702	4708
2000/2001	250.0	200.0	141.5	94.9	112.3	120.8	113.0	106.7	108.6	107.0	107.0	106.9
2001/2002	1	0	65	289	399	660	784	687	588	215	118	2
2001/2002	1	1	66	355	754	1414	2198	2885	3473	3688	3806	3808
2001/2002	250.0	100.0	161.0	114.1	91.3	85.5	84.3	85.0	87.0	85.8	86.6	86.5
STATE : SEASON	45 WASHINGTON JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	74	87	190	444	780	891	826	761	640	521	297	212
2000/2001	74	161	351	795	1575	2466	3292	4053	4693	5214	5511	5723
2000/2001	94.8	103.5	100.8	100.1	106.4	104.4	100.8	102.2	101.2	101.5	100.8	101.5
2001/2002	93	63	168	477	606	839	825	711	773	506	370	128
2001/2002	93	156	324	801	1407	2246	3071	3782	4555	5061	5431	5559
2001/2002	119.1	100.3	93.0	100.8	95.1	95.1	94.0	95.3	98.3	98.5	99.3	98.6

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

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LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## STATE HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

STATE : SEASON	46 WEST VIRGINIA JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	11	10	93	296	727	1214	1103	766	866	306	149	30
2000/2001	11	21	114	410	1137	2351	3454	4220	5086	5392	5541	5571
2000/2001	314.3	179.5	125.1	92.0	106.7	117.0	111.5	105.4	108.3	106.1	105.7	105.7
2001/2002	9	2	109	379	503	765	923	793	691	309	215	14
2001/2002	9	11	120	499	1002	1767	2690	3483	4174	4483	4698	4712
2001/2002	257.1	94.0	131.7	111.9	94.0	87.9	86.8	87.0	88.9	88.2	89.6	89.4
STATE : SEASON	47 WISCONSIN JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	27	30	160	394	913	1652	1364	1298	1084	497	252	85
2000/2001	27	57	217	611	1524	3176	4540	5838	6922	7419	7671	7756
2000/2001	186.2	107.5	101.6	87.2	96.9	109.0	102.3	102.6	103.1	101.5	101.0	101.0
2001/2002	8	14	191	516	598	1084	1195	1031	1158	599	407	54
2001/2002	8	22	213	729	1327	2411	3606	4637	5795	6394	6801	6855
2001/2002	55.2	41.5	99.7	104.0	84.4	82.7	81.3	81.5	86.3	87.5	89.5	89.3
STATE : SEASON	48 WYOMING JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	21	26	280	618	1318	1409	1348	1247	972	655	374	149
2000/2001	21	47	327	945	2263	3672	5020	6267	7239	7894	8268	8417
2000/2001	56.1	46.3	84.0	94.8	114.0	111.4	107.7	108.6	106.7	105.6	104.6	104.2
2001/2002	19	27	196	625	875	1305	1331	1132	1211	670	466	121
2001/2002	19	46	242	867	1742	3047	4378	5510	6721	7391	7857	7978
2001/2002	50.8	45.3	62.2	86.9	87.8	92.4	93.9	95.5	99.1	98.9	99.4	98.7

LINE 1 = HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 2 = ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION)

LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (DIVISIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## 2. REGIONAL POPULATION-WEIGHTED HEATING DEGREE DAYS

THE NATION WAS DIVIDED INTO NINE CENSUS REGIONS AS DEFINED AND USED BY THE BUREAU OF THE CENSUS. THE REGIONS AND STATES THEY COMPRISE ARE LISTED ON THE NEXT PAGE. THE POPULATION WEIGHTS USED TO PRODUCE MONTHLY AND REGIONAL DEGREE DAY TOTALS ARE ALSO SHOWN. THESE WEIGHTS WERE OBTAINED BY DIVIDING EACH STATE'S POPULATION BY THE TOTAL REGIONAL POPULATION.

A PARTICULAR REGIONAL MONTHLY DEGREE DAY VALUE WAS OBTAINED BY MULTIPLYING THE CORRESPONDING STATE DEGREE DAY TOTALS WITHIN A REGION BY THE APPROPRIATE WEIGHT AND ADDING ALL THE PRODUCTS. SEASONAL VALUES ARE OBTAINED BY SUMMING THE MONTHLY TOTALS.

MONTHLY AND SEASONAL DEGREE DAY TOTALS FOR THE NINE CENSUS REGIONS ARE PRESENTED IN THE TABLES FOLLOWING THE WEIGHTS.

2.2 STATE POPULATION-WEIGHTS (1990 CENSUS) FOR THE  
CENSUS REGIONS OF THE UNITED STATES

01	NEW ENGLAND		04	WEST NORTH CENTRAL		07	WEST SOUTH CENTRAL	
01	CONNECTICUT	.24890	01	IOWA	.15720	01	ARKANSAS	.08810
02	MAINE	.09300	02	KANSAS	.14030	02	LOUISIANA	.15800
03	MASSACHUSETTS	.45550	03	MINNESOTA	.24770	03	OKLAHOMA	.11780
04	NEW HAMPSHIRE	.08400	04	MISSOURI	.28980	04	TEXAS	.63610
05	RHODE ISLAND	.07600	05	NEBRASKA	.08940			
06	VERMONT	.04260	06	NORTH DAKOTA	.03620	08	MOUNTAIN	
			07	SOUTH DAKOTA	.03940	01	ARIZONA	.26830
02	MIDDLE ATLANTIC		05	SOUTH ATLANTIC		02	COLORADO	.24120
01	NEW JERSEY	.20560	01	DELAWARE	.01530	03	IDAHO	.07370
02	NEW YORK	.47840	02	FLORIDA	.29700	04	MONTANA	.05860
03	PENNSYLVANIA	.31600	03	GEORGIA	.14870	05	NEVADA	.08800
03	EAST NORTH CENTRAL		04	MARYLAND AND D.C.	.12370	06	NEW MEXICO	.11090
01	ILLINOIS	.27210	05	NORTH CAROLINA	.15210	07	UTAH	.12610
02	INDIANA	.13200	06	SOUTH CAROLINA	.08000	08	WYOMING	.03320
03	MICHIGAN	.22130	07	VIRGINIA	.14200	09	PACIFIC (AK,HI OMITTED)	
04	OHIO	.25820	08	WEST VIRGINIA	.04120	01	CALIFORNIA	.79420
05	WISCONSIN	.11640	06	EAST SOUTH CENTRAL		02	OREGON	.07590
			01	ALABAMA	.26620	03	WASHINGTON	.12990
			02	KENTUCKY	.24280			
			03	MISSISSIPPI	.16960			
			04	TENNESSEE	.32140			

## REGIONAL HEATING DEGREE DAYS (STATES WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

REGION : SEASON	1 NEW ENGLAND JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	24	33	139	438	726	1213	1240	1036	992	564	215	23
2000/2001	24	57	196	634	1360	2573	3813	4849	5841	6405	6620	6643
2000/2001	358.2	183.9	114.8	104.0	102.3	105.5	103.0	101.3	102.4	101.9	100.9	100.3
2001/2002	17	5	100	381	608	878	1012	921	863	484	316	69
2001/2002	17	22	122	503	1111	1989	3001	3922	4785	5269	5585	5654
2001/2002	253.7	71.0	71.5	82.5	83.6	81.5	81.1	81.9	83.8	83.8	85.1	85.4
REGION : SEASON	2 MIDDLE ATLANTIC JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	14	16	99	352	702	1186	1132	908	910	443	165	19
2000/2001	14	30	129	481	1183	2369	3501	4409	5319	5762	5927	5946
2000/2001	341.5	187.5	122.9	101.7	105.7	111.2	106.0	102.5	103.8	102.7	102.0	101.8
2001/2002	10	3	89	330	506	782	915	808	758	385	250	18
2001/2002	10	13	102	432	938	1720	2635	3443	4201	4586	4836	4854
2001/2002	243.9	81.2	97.1	91.3	83.8	80.7	79.8	80.0	82.0	81.8	83.3	83.1
REGION : SEASON	3 E. N. CENTRAL JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	17	19	111	316	796	1465	1238	1023	958	383	177	48
2000/2001	17	36	147	463	1259	2724	3962	4985	5943	6326	6503	6551
2000/2001	293.1	141.2	115.3	87.5	100.0	113.4	106.6	103.6	104.7	102.7	102.0	102.0
2001/2002	4	7	136	406	516	928	1032	915	942	449	315	23
2001/2002	4	11	147	553	1069	1997	3029	3944	4886	5335	5650	5673
2001/2002	69.0	43.1	115.3	104.5	84.9	83.1	81.5	82.0	86.0	86.6	88.6	88.4
REGION : SEASON	4 W. N. CENTRAL JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	10	12	105	319	934	1586	1277	1220	984	367	164	45
2000/2001	10	22	127	446	1380	2966	4243	5463	6447	6814	6978	7023
2000/2001	106.4	67.9	82.0	80.9	102.3	114.2	106.2	107.1	108.1	106.4	105.8	105.8
2001/2002	5	9	129	427	530	1028	1125	955	1048	448	271	22
2001/2002	5	14	143	570	1100	2128	3253	4208	5256	5704	5975	5997
2001/2002	53.2	43.2	92.3	103.4	81.5	82.0	81.4	82.5	88.1	89.1	90.6	90.4
REGION : SEASON	5 SOUTH ATLANTIC JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	1	1	26	142	404	750	706	432	449	143	50	3
2000/2001	1	2	28	170	574	1324	2030	2462	2911	3054	3104	3107
2000/2001	500.0	285.7	141.4	95.6	111.9	122.1	115.7	107.4	109.0	107.5	107.4	107.3
2001/2002	1	0	30	176	243	433	564	480	359	108	63	1
2001/2002	1	1	31	207	450	883	1447	1927	2286	2394	2457	2458
2001/2002	500.0	142.9	156.6	116.4	87.7	81.5	82.5	84.1	85.6	84.3	85.0	84.9

LINE 1 = HEATING DEGREE DAYS (STATES WEIGHTED BY 1990 POPULATION)

LINE 2 = ACCUMULATED HEATING DEGREE DAYS (STATES WEIGHTED BY 1990 POPULATION)

LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (STATES WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## REGIONAL HEATING DEGREE DAYS (STATES WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

REGION : SEASON	6 E. S. CENTRAL JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	24	149	491	985	891	516	575	122	45	5
2000/2001	0	0	24	173	664	1649	2540	3056	3631	3753	3798	3803
2000/2001	.0	.0	94.1	75.4	100.4	119.5	114.2	106.1	108.8	106.5	105.9	106.0
2001/2002	0	0	35	237	310	578	705	639	472	123	76	0
2001/2002	0	0	35	272	582	1160	1865	2504	2976	3099	3175	3175
2001/2002	.0	.0	137.3	118.5	88.0	84.1	83.9	86.9	89.2	88.0	88.6	88.5
REGION : SEASON	7 W. S. CENTRAL JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	0	0	2	56	382	721	657	372	377	44	6	0
2000/2001	0	0	2	58	440	1161	1818	2190	2567	2611	2617	2617
2000/2001	.0	.0	35.7	70.1	124.1	132.3	121.4	112.6	115.6	113.7	113.5	113.5
2001/2002	0	0	7	97	194	446	511	492	330	46	12	0
2001/2002	0	0	7	104	298	744	1255	1747	2077	2123	2135	2135
2001/2002	.0	.0	125.0	125.8	84.1	84.8	83.8	89.9	93.5	92.5	92.6	92.6
REGION : SEASON	8 MOUNTAIN JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	5	9	111	357	858	921	986	800	609	397	172	60
2000/2001	5	14	125	482	1340	2261	3247	4047	4656	5053	5225	5285
2000/2001	38.2	35.8	72.2	90.9	112.1	105.4	103.5	103.7	101.7	100.8	99.7	99.3
2001/2002	5	11	79	315	558	962	940	785	736	347	218	45
2001/2002	5	16	95	410	968	1930	2870	3655	4391	4738	4956	5001
2001/2002	38.2	40.9	54.9	77.3	81.0	90.0	91.5	93.7	95.9	94.6	94.6	94.0
REGION : SEASON	9 PACIFIC JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	27	20	53	203	478	495	590	512	364	356	97	62
2000/2001	27	47	100	303	781	1276	1866	2378	2742	3098	3195	3257
2000/2001	121.1	110.1	96.0	108.8	117.8	104.0	103.6	106.2	102.6	103.9	100.9	100.4
2001/2002	27	16	50	151	339	565	575	408	453	291	196	58
2001/2002	27	43	93	244	583	1148	1723	2131	2584	2875	3071	3129
2001/2002	121.1	100.7	89.3	87.6	87.9	93.5	95.7	95.2	96.7	96.4	97.0	96.4

LINE 1 = HEATING DEGREE DAYS (STATES WEIGHTED BY 1990 POPULATION)

LINE 2 = ACCUMULATED HEATING DEGREE DAYS (STATES WEIGHTED BY 1990 POPULATION)

LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (STATES WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000



### 3. NATIONAL POPULATION-WEIGHTED HEATING DEGREE DAYS

THE NATIONAL DEGREE DAY TOTALS WERE DERIVED BY POPULATION WEIGHTING THE DEGREE DAY VALUES FOR THE NINE CENSUS REGIONS. THE WEIGHTS USED TO DERIVE THE NATIONAL MONTHLY DEGREE DAY VALUES ARE GIVEN BELOW:

#### 3.2 REGIONAL POPULATION WEIGHTS OF THE CONTERMINOUS UNITED STATES

01 NEW ENGLAND	.05350
02 MIDDLE ATLANTIC	.15220
03 EAST NORTH CENTRAL	.17000
04 WEST NORTH CENTRAL	.07150
05 SOUTH ATLANTIC	.17630
06 EAST SOUTH CENTRAL	.06140
07 WEST SOUTH CENTRAL	.10810
08 MOUNTAIN	.05530
09 PACIFIC	.15170

MONTHLY AND SEASONAL DEGREE TOTALS FOR THE CONTERMINOUS UNITED STATES ARE SHOWN IN THE FOLLOWING TABLE.

NATIONAL HEATING DEGREE DAYS (REGIONS WEIGHTED BY 1990 POPULATION), THRU JUN

2002--BASE TEMP = 65 DEG F

REGION : SEASON	11 NATIONAL JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2000/2001	12	12	69	244	610	1005	935	725	669	302	115	29
2000/2001	12	24	93	337	947	1952	2887	3612	4281	4583	4698	4727
2000/2001	176.5	122.4	104.6	93.6	106.6	113.2	108.0	105.0	105.7	104.4	103.5	103.3
2001/2002	8	6	71	267	400	696	786	678	634	288	187	23
2001/2002	8	14	85	352	752	1448	2234	2912	3546	3834	4021	4044
2001/2002	117.6	71.4	95.6	97.8	84.7	84.0	83.6	84.6	87.5	87.3	88.6	88.4

LINE 1 = HEATING DEGREE DAYS (REGIONS WEIGHTED BY 1990 POPULATION)

LINE 2 = ACCUMULATED HEATING DEGREE DAYS (REGIONS WEIGHTED BY 1990 POPULATION)

LINE 3 = [ACCUMULATED HEATING DEGREE DAYS (REGIONS WEIGHTED BY 1990 POPULATION) / ACCUMULATED NORMAL]\*100  
PERCENTAGE OF 9999.9 => 10000

## REFERENCES

THOM,H.C.S., 1954A: THE RATIONAL RELATIONSHIP BETWEEN HEATING DEGREE DAYS AND TEMPERATURE.  
+"MONTHLY WEATHER REVIEW", VOL 82,NO.1,1-6.

+THOM,H.C.S., 1954B: NORMAL DEGREE DAYS BELOW ANY BASE. "MONTHLY WEATHER REVIEW", VOL 82,NO.5,111-115.

THOM,H.C.S., 1966: NORMAL DEGREE DAYS ABOVE ANY BASE BY THE UNIVERSAL TRUNCATION COEFFICIENT.  
+"MONTHLY WEATHER REVIEW", VOL 94, NO. 7,461-465.

+U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS, 1992: "1990 CENSUS OF POPULATION, GENERAL  
+POPULATION CHARACTERISTICS", SERIES CT-1 (ALABAMA THROUGH WYOMING AND U.S. SUMMARY).

## STATE AVERAGE TEMPERATURE (DEG F) (DIVISIONS WEIGHTED BY AREA) -- 2001

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ALABAMA	40.8	52.2	51.3	64.7	70.7	76.0	79.7	78.7	72.2	60.8	59.0	50.6
ARIZONA	41.3	44.9	52.6	58.5	71.8	78.2	80.6	80.0	76.3	65.6	53.8	41.2
ARKANSAS	36.8	45.3	47.9	65.4	70.2	75.8	82.3	81.3	71.2	59.8	54.9	45.1
CALIFORNIA	43.9	45.0	54.6	54.2	69.9	72.6	74.7	76.3	71.7	64.7	53.5	44.6
COLORADO	23.9	28.1	36.5	46.6	54.8	64.5	70.8	67.6	60.8	48.6	38.4	26.0
CONNECTICUT	25.7	29.3	34.0	48.2	59.7	68.7	69.0	73.2	63.0	53.0	45.6	37.6
DELAWARE	33.1	38.9	41.1	54.4	63.7	73.7	73.4	77.6	67.4	58.1	52.2	44.4
FLORIDA	53.0	65.0	64.1	70.0	74.8	80.2	81.3	81.4	77.8	71.8	68.1	64.4
GEORGIA	43.0	53.2	53.3	63.9	70.5	76.3	79.3	79.3	72.1	61.6	59.8	52.4
IDAHO	21.9	26.3	38.2	43.0	55.0	59.9	67.8	69.4	60.8	46.7	37.8	22.5
ILLINOIS	25.4	30.4	36.7	57.4	64.7	69.8	76.0	74.8	64.5	53.9	49.9	35.8
INDIANA	26.9	33.2	36.9	56.6	64.1	69.2	73.8	74.1	64.0	53.9	49.3	37.1
IOWA	20.6	17.7	29.8	52.4	61.0	68.5	75.3	72.9	61.4	50.2	47.9	30.7
KANSAS	30.6	29.9	40.5	58.0	65.1	72.9	83.0	79.1	67.9	56.1	49.1	36.9
KENTUCKY	32.0	41.6	41.5	60.1	66.6	71.5	76.2	76.8	66.7	56.4	51.6	42.4
LOUISIANA	45.3	56.3	55.3	70.0	74.5	78.5	82.7	81.7	75.7	64.7	61.8	54.2
MAINE	13.5	15.4	23.9	38.1	54.7	63.4	64.6	67.3	58.1	47.3	37.4	28.8
MARYLAND & D.C.	32.4	38.5	40.6	55.1	62.7	72.5	72.2	76.1	65.7	56.8	51.2	42.6
MASSACHUSETTS	25.3	28.3	32.9	46.1	58.1	68.0	67.8	72.2	62.8	52.7	44.7	36.4
MICHIGAN	23.9	22.3	29.5	46.2	57.3	64.4	68.4	69.9	58.3	48.2	44.1	32.4
MINNESOTA	16.2	6.8	24.1	43.6	57.1	65.3	70.9	69.9	57.9	44.9	41.3	22.8
MISSISSIPPI	40.3	52.0	51.3	66.5	71.6	76.5	81.0	79.8	73.1	61.1	58.4	50.6
MISSOURI	29.0	34.0	39.8	60.3	66.1	71.8	79.0	77.5	66.5	55.9	51.1	38.5
MONTANA	25.2	17.1	35.0	43.1	55.3	60.3	68.9	70.2	60.3	44.7	37.5	23.5
NEBRASKA	27.1	21.6	35.4	50.6	60.1	68.9	77.4	74.2	63.8	51.1	44.0	30.3
NEVADA	28.9	32.1	44.4	46.7	62.3	67.5	72.2	73.9	65.2	54.7	41.5	30.3
NEW HAMPSHIRE	18.9	21.1	27.3	41.3	55.9	64.9	65.3	69.4	59.4	48.8	39.2	31.3
NEW JERSEY	30.1	35.1	38.4	51.9	62.0	71.2	71.5	75.8	65.3	55.8	49.2	41.7
NEW MEXICO	32.0	39.8	44.8	54.8	63.9	72.1	75.9	72.1	67.3	57.4	46.1	34.9
NEW YORK	22.9	25.0	28.1	44.9	57.6	65.3	66.5	70.7	60.0	50.7	43.7	33.8
NORTH CAROLINA	39.5	46.5	47.4	60.1	66.8	74.8	75.1	77.0	68.2	58.2	55.2	48.5
NORTH DAKOTA	16.9	5.2	27.0	42.5	56.5	63.1	70.4	70.6	58.6	42.4	37.4	18.0
OHIO	27.1	33.7	35.8	53.8	61.7	68.6	72.2	73.2	62.5	53.8	48.1	37.8
OKLAHOMA	35.6	40.8	46.3	63.4	69.2	77.1	85.9	83.0	71.3	60.5	54.1	42.7
OREGON	32.6	34.5	43.0	44.6	56.6	59.0	66.1	68.3	61.4	50.1	41.6	33.6
PENNSYLVANIA	26.3	31.5	33.3	49.3	59.0	67.2	68.3	72.1	60.9	51.9	45.9	36.8
RHODE ISLAND	29.7	32.3	36.4	48.4	59.5	69.6	69.0	73.6	65.1	54.8	48.1	39.6
SOUTH CAROLINA	42.6	50.6	51.7	63.3	70.6	76.9	78.4	79.8	71.4	60.9	58.9	52.0
SOUTH DAKOTA	22.8	12.5	29.7	46.4	58.3	66.4	74.9	73.8	62.7	48.0	41.2	25.0
TENNESSEE	33.9	44.2	44.4	61.4	67.1	72.1	77.3	76.9	67.9	56.6	53.2	44.4
TEXAS	43.5	51.5	52.9	67.7	74.2	81.0	85.3	83.1	75.1	65.5	58.9	49.1
UTAH	26.5	32.9	42.9	48.5	60.5	67.9	74.0	73.5	66.0	53.2	40.4	24.9
VERMONT	17.8	19.1	25.3	40.3	55.8	64.0	64.5	68.7	58.3	48.2	38.7	30.3
VIRGINIA	34.0	40.8	41.6	56.4	63.1	71.7	72.1	75.2	65.0	55.2	51.1	43.2
WASHINGTON	33.1	33.7	42.2	46.0	55.7	58.2	65.5	67.7	61.3	47.9	41.7	33.5
WEST VIRGINIA	28.9	37.2	36.3	54.2	61.0	67.9	67.9	72.5	62.4	52.1	47.7	39.8
WISCONSIN	19.3	14.7	28.0	46.8	57.3	64.7	70.2	70.3	57.7	46.5	43.5	27.7
WYOMING	19.4	18.7	32.7	42.1	52.4	61.0	69.6	68.3	58.8	43.8	34.6	20.8

NOTE : DASHES INDICATE DATA NOT AVAILABLE OR MISSING.

## REGIONAL &amp; NATIONAL AVERAGE TEMPERATURE (DEG F) (WEIGHTED BY AREA)

-- 2001

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NEW ENGLAND	17.6	19.7	26.7	40.8	55.9	64.8	65.5	68.9	59.4	48.9	39.5	31.2
MIDDLE ATLANTIC	24.9	28.6	31.2	47.4	58.5	66.6	67.7	71.7	60.8	51.6	45.1	35.7
E. N. CENTRAL	24.2	25.9	32.9	51.7	60.7	67.1	72.0	72.3	61.1	50.9	46.7	33.7
W. N. CENTRAL	23.4	18.2	32.4	50.4	60.6	68.1	75.9	74.0	62.7	49.8	44.4	28.8
SOUTH ATLANTIC	41.4	50.3	50.5	62.1	68.5	75.3	76.6	78.0	70.3	61.1	57.9	51.3
E. S. CENTRAL	37.1	47.9	47.5	63.4	69.2	74.2	78.7	78.2	70.2	58.9	55.8	47.3
W. S. CENTRAL	41.7	49.6	51.5	67.0	72.9	79.5	84.7	82.7	74.1	63.9	58.0	48.2
MOUNTAIN	27.8	29.8	40.9	48.1	59.7	66.5	72.6	72.0	64.5	51.9	41.5	28.3
PACIFIC	38.2	39.5	48.5	49.6	62.9	65.5	70.2	72.1	66.4	56.8	47.4	38.9
NATIONAL	31.4	34.1	41.8	53.7	63.4	69.9	75.0	74.8	66.2	54.9	47.9	36.4

NOTE : DASHES INDICATE DATA NOT AVAILABLE OR MISSING.

## STATE AVERAGE TEMPERATURE (DEG F) (DIVISIONS WEIGHTED BY AREA) -- 2002

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ALABAMA	46.9	45.8	54.9	66.6	70.5	77.3	-	-	-	-	-	-
ARIZONA	43.1	46.8	51.2	63.3	68.1	79.9	-	-	-	-	-	-
ARKANSAS	42.2	41.9	47.7	63.6	67.3	76.8	-	-	-	-	-	-
CALIFORNIA	43.9	49.5	50.8	57.9	63.1	72.1	-	-	-	-	-	-
COLORADO	25.1	26.5	32.4	48.4	54.3	67.6	-	-	-	-	-	-
CONNECTICUT	33.4	34.5	39.1	51.1	56.0	66.4	-	-	-	-	-	-
DELAWARE	40.3	41.6	46.8	57.8	63.0	73.5	-	-	-	-	-	-
FLORIDA	59.2	59.6	66.7	73.7	76.7	79.7	-	-	-	-	-	-
GEORGIA	47.7	47.9	56.5	67.7	70.0	77.3	-	-	-	-	-	-
IDAHO	24.4	23.9	31.9	44.3	51.5	61.6	-	-	-	-	-	-
ILLINOIS	33.4	33.9	37.1	53.6	59.2	74.1	-	-	-	-	-	-
INDIANA	34.1	35.1	38.1	53.7	58.7	73.1	-	-	-	-	-	-
IOWA	28.3	28.6	29.9	48.8	57.1	72.6	-	-	-	-	-	-
KANSAS	33.5	35.2	38.5	56.1	62.2	77.0	-	-	-	-	-	-
KENTUCKY	38.2	38.9	45.5	59.0	62.7	74.7	-	-	-	-	-	-
LOUISIANA	51.2	49.2	58.1	69.7	74.2	79.2	-	-	-	-	-	-
MAINE	20.8	19.7	26.8	40.1	49.4	58.7	-	-	-	-	-	-
MARYLAND & D.C.	39.2	40.2	45.6	57.1	62.4	73.2	-	-	-	-	-	-
MASSACHUSETTS	32.6	32.5	37.0	48.7	54.7	64.3	-	-	-	-	-	-
MICHIGAN	27.8	27.4	27.3	43.4	49.8	65.6	-	-	-	-	-	-
MINNESOTA	18.5	23.1	18.8	40.8	50.3	67.5	-	-	-	-	-	-
MISSISSIPPI	47.1	45.6	54.5	66.6	70.9	77.5	-	-	-	-	-	-
MISSOURI	34.7	36.6	39.9	57.2	61.7	74.8	-	-	-	-	-	-
MONTANA	24.0	27.5	20.5	39.6	49.5	61.4	-	-	-	-	-	-
NEBRASKA	29.5	31.2	29.6	50.2	56.7	74.4	-	-	-	-	-	-
NEVADA	30.6	34.7	38.8	50.7	56.5	68.0	-	-	-	-	-	-
NEW HAMPSHIRE	26.9	24.9	31.2	44.9	51.6	62.0	-	-	-	-	-	-
NEW JERSEY	37.3	38.6	43.4	54.6	59.8	70.4	-	-	-	-	-	-
NEW MEXICO	36.3	37.3	44.1	58.1	63.2	74.3	-	-	-	-	-	-
NEW YORK	29.4	29.3	33.4	46.5	51.9	65.1	-	-	-	-	-	-
NORTH CAROLINA	42.9	44.6	51.1	63.1	66.0	75.6	-	-	-	-	-	-
NORTH DAKOTA	16.7	23.8	16.0	38.2	49.1	66.0	-	-	-	-	-	-
OHIO	33.8	34.8	38.9	52.7	57.2	71.7	-	-	-	-	-	-
OKLAHOMA	39.8	40.6	45.8	61.4	66.7	77.3	-	-	-	-	-	-
OREGON	33.9	36.6	39.1	47.4	52.3	61.9	-	-	-	-	-	-
PENNSYLVANIA	33.0	33.7	38.1	50.2	55.4	68.3	-	-	-	-	-	-
RHODE ISLAND	35.7	35.8	40.2	50.9	56.2	65.3	-	-	-	-	-	-
SOUTH CAROLINA	46.5	47.6	55.8	67.3	68.5	77.6	-	-	-	-	-	-
SOUTH DAKOTA	24.4	29.6	22.2	44.9	53.0	70.8	-	-	-	-	-	-
TENNESSEE	40.1	40.1	48.0	61.0	64.3	75.1	-	-	-	-	-	-
TEXAS	48.4	46.9	55.0	69.1	74.2	80.7	-	-	-	-	-	-
UTAH	26.5	28.6	36.9	51.5	57.8	69.9	-	-	-	-	-	-
VERMONT	25.3	23.6	30.0	44.2	50.2	61.7	-	-	-	-	-	-
VIRGINIA	39.1	39.8	45.4	57.9	62.2	73.0	-	-	-	-	-	-
WASHINGTON	34.4	36.0	37.7	47.1	52.4	62.0	-	-	-	-	-	-
WEST VIRGINIA	34.8	35.9	42.0	54.2	58.3	70.1	-	-	-	-	-	-
WISCONSIN	24.0	26.2	24.5	43.1	51.1	66.5	-	-	-	-	-	-
WYOMING	20.0	22.6	24.9	41.5	49.1	62.4	-	-	-	-	-	-

NOTE : DASHES INDICATE DATA NOT AVAILABLE OR MISSING.

## REGIONAL &amp; NATIONAL AVERAGE TEMPERATURE (DEG F) (WEIGHTED BY AREA)

-- 2002

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NEW ENGLAND	25.0	24.0	30.3	43.5	51.1	61.0	-	-	-	-	-	-
MIDDLE ATLANTIC	31.6	31.9	36.2	48.7	54.0	66.9	-	-	-	-	-	-
E. N. CENTRAL	30.1	31.0	32.4	48.7	54.8	69.8	-	-	-	-	-	-
W. N. CENTRAL	26.4	29.7	27.7	48.0	55.6	71.9	-	-	-	-	-	-
SOUTH ATLANTIC	46.3	47.1	54.2	65.0	68.0	76.1	-	-	-	-	-	-
E. S. CENTRAL	43.5	42.9	51.1	63.6	67.4	76.3	-	-	-	-	-	-
W. S. CENTRAL	46.6	45.5	53.0	67.3	72.1	79.5	-	-	-	-	-	-
MOUNTAIN	29.1	31.4	34.9	49.7	56.3	68.2	-	-	-	-	-	-
PACIFIC	38.9	42.8	44.5	52.5	57.6	66.9	-	-	-	-	-	-
NATIONAL	34.8	36.4	39.8	54.2	60.1	71.5	-	-	-	-	-	-

NOTE : DASHES INDICATE DATA NOT AVAILABLE OR MISSING.

## STATE AVERAGE PRECIPITATION (IN.) (DIVISIONS WEIGHTED BY AREA) -- 2001

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ALABAMA	4.81	4.12	10.33	4.09	4.21	7.20	4.22	5.66	4.72	3.33	3.52	4.13
ARIZONA	1.68	.95	1.04	1.03	.40	.26	1.75	2.10	.45	.47	.27	.85
ARKANSAS	3.53	8.19	3.79	2.39	5.82	3.14	2.61	2.80	3.78	5.98	5.77	8.47
CALIFORNIA	3.40	4.31	1.84	1.62	.09	.21	.23	.04	.25	.63	4.06	5.24
COLORADO	.91	.77	1.10	1.30	2.44	.89	2.36	2.00	1.05	.51	.98	.45
CONNECTICUT	2.38	2.62	7.34	1.64	4.13	6.79	1.97	4.78	4.34	1.26	.99	2.45
DELAWARE	3.03	3.17	5.47	1.78	3.77	5.48	5.59	5.71	2.31	1.04	.68	2.14
FLORIDA	1.26	.74	6.83	.83	2.44	8.66	9.67	7.13	11.12	2.79	1.81	1.34
GEORGIA	2.93	1.99	9.20	1.91	2.72	7.42	5.56	2.99	4.10	.89	1.27	1.75
IDAHO	.96	.79	1.14	1.50	.88	1.14	.98	.14	.56	1.73	1.99	2.66
ILLINOIS	1.73	3.28	1.23	2.87	4.54	3.75	3.82	4.12	3.46	6.04	2.68	2.66
INDIANA	1.08	2.94	.98	2.78	4.27	4.23	5.53	4.02	3.84	7.76	3.42	3.64
IOWA	1.51	2.21	1.32	3.65	7.10	4.10	3.18	2.93	4.03	2.52	1.58	.87
KANSAS	1.37	2.53	1.56	1.91	5.28	3.83	3.68	2.56	3.53	1.13	.57	.31
KENTUCKY	2.21	4.20	2.80	1.99	4.60	3.99	6.22	3.63	2.31	4.44	4.53	4.67
LOUISIANA	5.64	3.62	9.36	1.90	1.86	12.44	4.37	6.22	6.34	5.32	6.18	5.70
MAINE	1.34	2.74	4.07	.94	1.99	3.77	3.62	1.38	3.69	1.80	2.21	2.04
MARYLAND & D.C.	2.91	2.17	4.99	2.15	4.66	4.75	4.36	3.48	2.78	.95	1.14	1.94
MASSACHUSETTS	2.29	2.92	9.57	1.85	2.88	5.97	3.39	3.46	3.52	1.11	1.26	3.18
MICHIGAN	1.36	2.64	.74	3.06	4.61	3.23	1.93	3.47	4.32	5.52	2.50	2.04
MINNESOTA	.89	1.37	.60	5.48	3.98	3.76	3.31	3.22	2.49	2.02	2.17	.55
MISSISSIPPI	6.02	5.76	7.67	3.58	3.46	6.63	4.78	5.93	5.17	5.76	6.55	5.93
MISSOURI	1.99	4.43	1.74	3.03	5.47	6.18	4.99	3.11	3.46	4.42	2.61	2.92
MONTANA	.33	.47	.48	1.28	.69	3.56	2.41	.20	.83	.91	.46	.39
NEBRASKA	.97	.98	.76	3.85	4.52	2.05	3.84	2.31	2.95	1.11	1.67	.12
NEVADA	.89	.89	.72	.97	.13	.09	.76	.29	.24	.25	1.03	1.06
NEW HAMPSHIRE	1.41	3.05	6.13	.96	1.79	4.82	3.33	1.78	4.07	1.65	2.02	2.43
NEW JERSEY	3.01	2.86	6.11	1.79	3.02	5.39	2.96	3.65	2.75	.97	1.00	2.14
NEW MEXICO	1.06	.66	.95	.39	.99	.82	1.76	2.40	.90	.22	.87	.40
NEW YORK	1.58	2.09	5.10	1.11	2.86	4.28	2.33	3.10	4.10	2.36	2.26	2.72
NORTH CAROLINA	2.00	2.71	5.28	1.69	3.15	6.04	5.40	4.35	3.06	1.21	1.16	2.02
NORTH DAKOTA	.22	.36	.13	1.75	1.95	4.28	4.57	1.00	1.13	.93	.25	.34
OHIO	1.28	1.60	1.89	3.55	5.45	3.10	3.79	3.65	3.12	4.61	3.01	2.80
OKLAHOMA	2.36	3.96	1.50	1.32	7.43	2.31	1.00	2.44	3.90	2.20	1.85	2.09
OREGON	1.42	1.27	1.95	2.05	1.08	1.24	.70	.38	.62	1.82	4.36	4.99
PENNSYLVANIA	1.83	1.50	3.96	2.64	3.08	4.17	2.65	3.32	4.16	2.18	2.10	2.60
RHODE ISLAND	2.97	2.59	10.43	2.22	4.42	6.40	3.18	4.37	2.99	1.43	.90	2.66
SOUTH CAROLINA	2.01	2.48	6.40	.95	2.52	5.45	5.34	2.72	3.57	.98	1.01	1.65
SOUTH DAKOTA	.90	.94	.49	3.96	2.55	3.27	4.04	.72	1.87	1.00	1.39	.06
TENNESSEE	3.72	7.05	3.23	2.96	4.63	4.30	5.17	4.26	3.72	4.68	5.93	5.53
TEXAS	2.42	2.13	3.28	.78	3.07	2.53	.95	3.70	3.24	1.75	3.37	2.32
UTAH	.95	1.06	1.09	1.27	.51	.37	.78	1.20	.23	.44	1.47	.97
VERMONT	1.37	3.04	4.04	.94	2.16	3.62	3.30	2.14	4.01	2.13	2.52	2.29
VIRGINIA	2.28	2.00	4.48	1.63	4.97	4.68	5.09	3.78	2.20	.90	.56	2.27
WASHINGTON	2.70	1.83	3.16	2.89	1.92	2.28	.65	1.38	.71	4.14	6.70	6.89
WEST VIRGINIA	2.61	2.16	3.50	2.32	6.47	4.50	8.00	3.38	2.54	1.25	1.28	2.65
WISCONSIN	1.21	1.69	.67	4.93	4.86	4.84	2.67	4.59	4.05	2.44	2.28	1.23
WYOMING	.24	.64	.42	1.33	.99	1.20	1.48	.60	.81	.79	.64	.44

NOTE : DASHES INDICATE DATA NOT AVAILABLE OR MISSING.



## REGIONAL &amp; NATIONAL AVERAGE PRECIPITATION (IN.) (WEIGHTED BY AREA)

-- 2001

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NEW ENGLAND	1.58	2.84	5.39	1.13	2.30	4.45	3.37	2.12	3.80	1.70	1.99	2.31
MIDDLE ATLANTIC	1.80	1.89	4.67	1.84	2.97	4.32	2.52	3.24	4.02	2.17	2.09	2.62
E. N. CENTRAL	1.35	2.44	1.06	3.48	4.74	3.84	3.36	3.98	3.79	5.12	2.71	2.36
W. N. CENTRAL	1.10	1.80	.93	3.40	4.32	3.88	3.94	2.26	2.75	1.82	1.46	.70
SOUTH ATLANTIC	2.18	1.95	6.28	1.54	3.46	6.43	6.47	4.27	4.84	1.39	1.22	1.87
E. S. CENTRAL	4.30	5.25	6.31	3.23	4.20	5.66	5.03	4.96	4.07	4.53	5.10	5.05
W. S. CENTRAL	2.90	3.32	3.73	1.18	3.97	3.66	1.54	3.67	3.76	2.73	3.73	3.40
MOUNTAIN	.86	.76	.84	1.11	.87	1.16	1.61	1.13	.65	.64	.90	.83
PACIFIC	2.66	2.88	2.15	2.02	.77	.95	.46	.42	.46	1.73	4.71	5.51
NATIONAL	1.81	2.14	2.50	2.00	2.76	3.12	2.74	2.46	2.48	2.01	2.31	2.25

NOTE : DASHES INDICATE DATA NOT AVAILABLE OR MISSING.

## STATE AVERAGE PRECIPITATION (IN.) (DIVISIONS WEIGHTED BY AREA) -- 2002

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ALABAMA	5.04	3.03	5.76	2.30	4.40	3.74	-	-	-	-	-	-
ARIZONA	.22	.11	.24	.20	.00	.01	-	-	-	-	-	-
ARKANSAS	3.98	2.71	9.85	3.31	6.16	2.63	-	-	-	-	-	-
CALIFORNIA	2.18	1.43	2.03	.68	.61	.05	-	-	-	-	-	-
COLORADO	.48	.26	.64	.40	.56	.79	-	-	-	-	-	-
CONNECTICUT	1.82	1.65	4.06	3.67	5.13	5.26	-	-	-	-	-	-
DELAWARE	2.59	.69	4.53	4.06	3.72	3.11	-	-	-	-	-	-
FLORIDA	3.07	2.71	2.70	2.45	2.33	10.36	-	-	-	-	-	-
GEORGIA	4.12	2.38	5.53	2.23	3.17	3.70	-	-	-	-	-	-
IDAHO	2.16	.88	1.60	1.55	1.14	1.14	-	-	-	-	-	-
ILLINOIS	2.30	1.86	3.36	5.08	7.39	3.95	-	-	-	-	-	-
INDIANA	2.25	2.35	4.35	5.82	7.00	3.25	-	-	-	-	-	-
IOWA	.44	.88	1.20	3.64	4.18	3.49	-	-	-	-	-	-
KANSAS	1.07	.41	.55	2.40	3.99	2.86	-	-	-	-	-	-
KENTUCKY	3.87	1.65	7.58	5.04	6.26	3.81	-	-	-	-	-	-
LOUISIANA	4.34	2.94	5.82	3.68	2.34	4.86	-	-	-	-	-	-
MAINE	2.46	3.10	3.48	4.47	3.38	4.02	-	-	-	-	-	-
MARYLAND & D.C.	2.30	.56	4.01	3.71	3.28	2.76	-	-	-	-	-	-
MASSACHUSETTS	2.64	2.36	4.19	3.75	5.68	4.55	-	-	-	-	-	-
MICHIGAN	1.18	2.29	2.73	3.60	3.82	3.03	-	-	-	-	-	-
MINNESOTA	.24	.60	1.39	2.25	2.35	6.21	-	-	-	-	-	-
MISSISSIPPI	6.11	3.44	7.38	2.84	4.73	3.26	-	-	-	-	-	-
MISSOURI	2.84	1.44	3.52	4.73	9.97	2.94	-	-	-	-	-	-
MONTANA	.65	.55	.84	.93	1.81	3.20	-	-	-	-	-	-
NEBRASKA	.25	.28	.79	1.55	2.51	1.56	-	-	-	-	-	-
NEVADA	.51	.37	.40	.80	.35	.23	-	-	-	-	-	-
NEW HAMPSHIRE	2.38	3.05	3.80	4.30	4.40	6.20	-	-	-	-	-	-
NEW JERSEY	2.18	.75	4.34	4.18	4.21	4.89	-	-	-	-	-	-
NEW MEXICO	.53	.29	.39	.29	.12	.68	-	-	-	-	-	-
NEW YORK	2.23	2.29	3.27	4.13	5.24	5.32	-	-	-	-	-	-
NORTH CAROLINA	5.06	1.69	4.65	1.91	2.81	3.05	-	-	-	-	-	-
NORTH DAKOTA	.34	.13	.62	1.25	1.26	3.79	-	-	-	-	-	-
OHIO	2.17	1.69	3.83	4.90	5.18	3.62	-	-	-	-	-	-
OKLAHOMA	2.29	1.12	2.73	4.32	3.66	3.86	-	-	-	-	-	-
OREGON	4.16	1.85	2.30	1.93	.85	.88	-	-	-	-	-	-
PENNSYLVANIA	2.09	1.43	3.97	3.93	5.76	4.81	-	-	-	-	-	-
RHODE ISLAND	3.14	1.80	5.02	3.70	5.45	4.22	-	-	-	-	-	-
SOUTH CAROLINA	3.54	2.14	4.24	1.98	3.57	2.88	-	-	-	-	-	-
SOUTH DAKOTA	.26	.19	1.00	1.32	1.69	1.47	-	-	-	-	-	-
TENNESSEE	6.45	2.17	9.26	2.57	5.79	2.53	-	-	-	-	-	-
TEXAS	.98	1.04	2.12	1.83	2.02	2.40	-	-	-	-	-	-
UTAH	.34	.18	.72	.79	.33	.14	-	-	-	-	-	-
VERMONT	2.36	2.69	3.55	4.22	4.48	7.63	-	-	-	-	-	-
VIRGINIA	3.09	.90	4.39	3.27	3.66	2.54	-	-	-	-	-	-
WASHINGTON	6.06	3.67	3.79	2.79	1.78	1.73	-	-	-	-	-	-
WEST VIRGINIA	3.28	1.08	5.01	6.21	5.09	4.38	-	-	-	-	-	-
WISCONSIN	.57	1.86	2.30	4.22	3.02	5.63	-	-	-	-	-	-
WYOMING	.35	.32	1.01	.96	1.08	.54	-	-	-	-	-	-

NOTE : DASHES INDICATE DATA NOT AVAILABLE OR MISSING.

## REGIONAL &amp; NATIONAL AVERAGE PRECIPITATION (IN.) (WEIGHTED BY AREA)

-- 2002

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NEW ENGLAND	2.42	2.81	3.70	4.24	4.14	5.01	-	-	-	-	-	-
MIDDLE ATLANTIC	2.17	1.79	3.66	4.04	5.39	5.06	-	-	-	-	-	-
E. N. CENTRAL	1.62	2.00	3.19	4.62	5.14	3.96	-	-	-	-	-	-
W. N. CENTRAL	.76	.54	1.27	2.38	3.61	3.21	-	-	-	-	-	-
SOUTH ATLANTIC	3.71	1.88	4.35	2.76	3.22	4.73	-	-	-	-	-	-
E. S. CENTRAL	5.39	2.63	7.40	3.11	5.22	3.35	-	-	-	-	-	-
W. S. CENTRAL	1.92	1.47	3.56	2.61	2.82	2.93	-	-	-	-	-	-
MOUNTAIN	.62	.37	.70	.71	.70	.95	-	-	-	-	-	-
PACIFIC	3.59	2.03	2.48	1.50	.93	.65	-	-	-	-	-	-
NATIONAL	1.90	1.25	2.52	2.20	2.64	2.56	-	-	-	-	-	-

NOTE : DASHES INDICATE DATA NOT AVAILABLE OR MISSING.