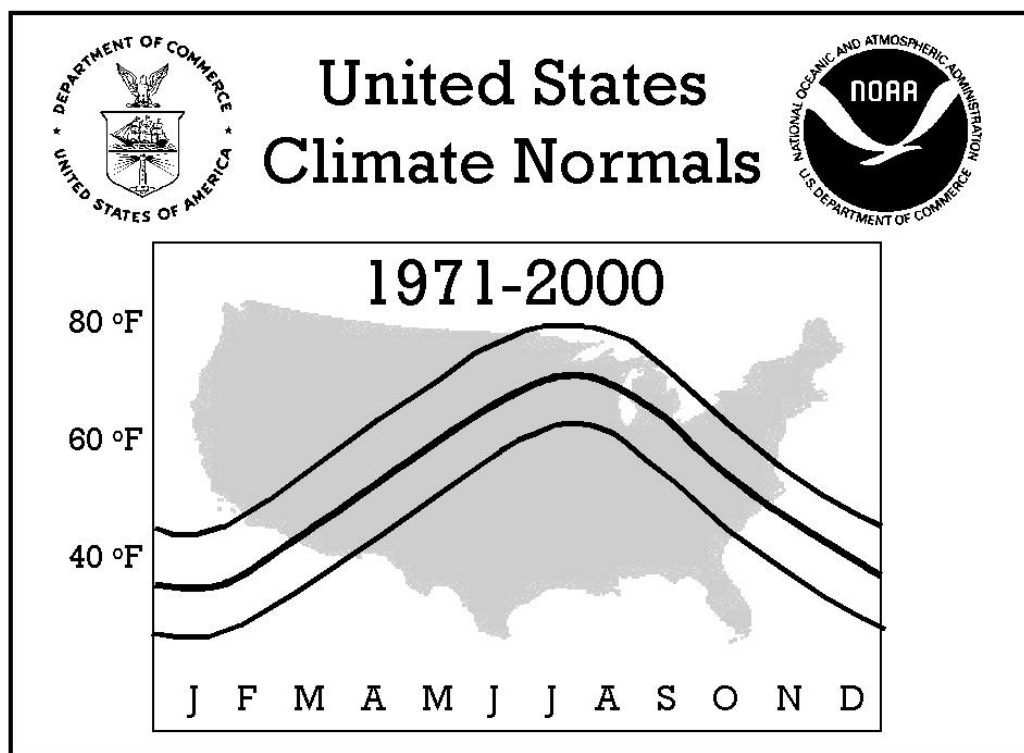




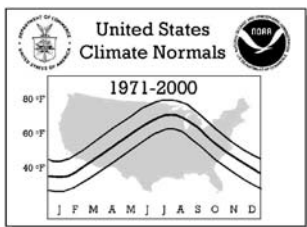
# State, Regional, and National Monthly Temperature

Weighted by Area

1971 – 2000 (and previous normals periods)



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



## Temperature (°F)

### Historical Climatology Series: Normals (Present Series Highlighted):

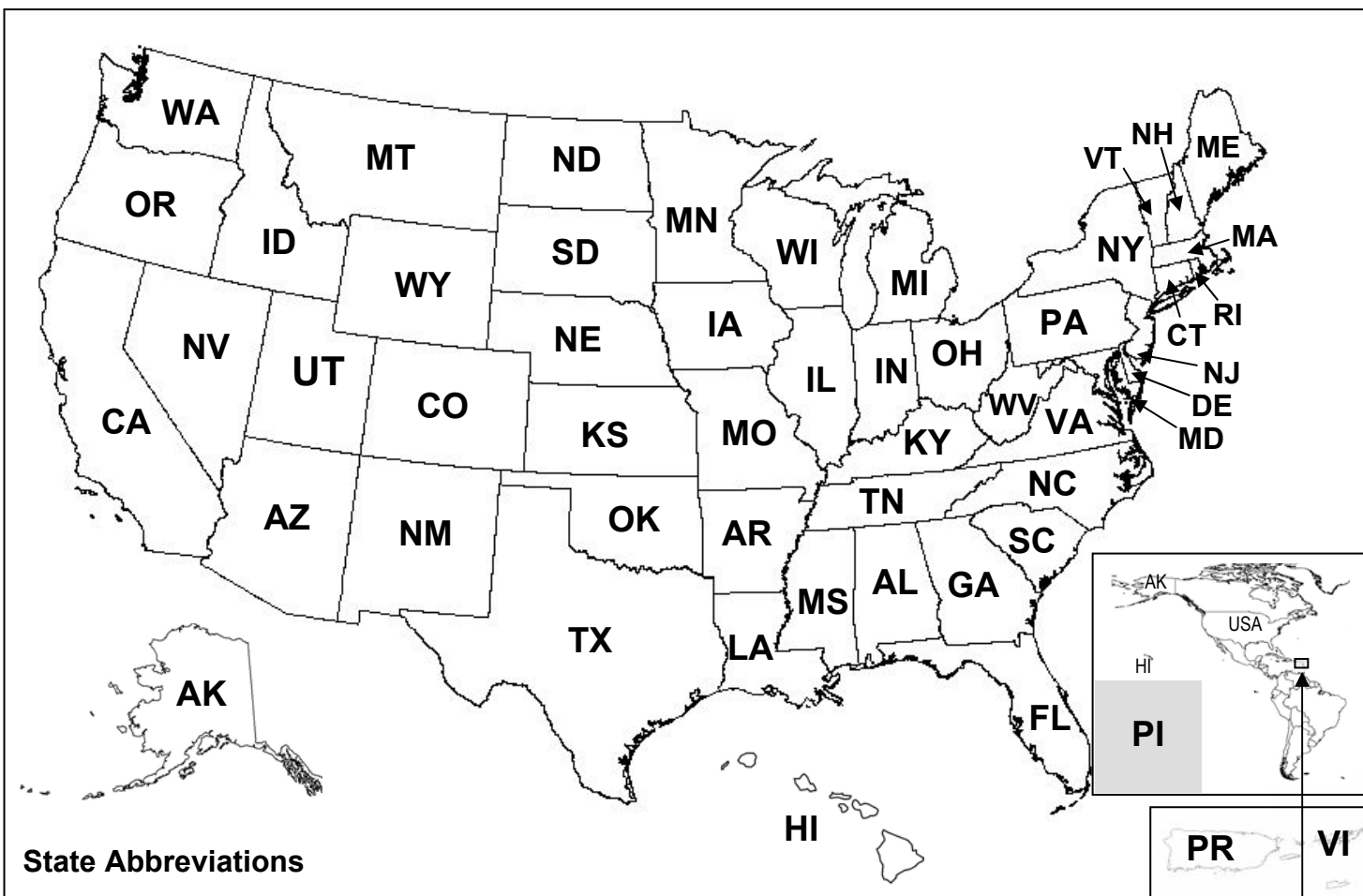
HCS 4-1: Area-Weighted Temperature

HCS 5-1: Population-Weighted Heating Degree Days

HCS 4-2: Area-Weighted Precipitation

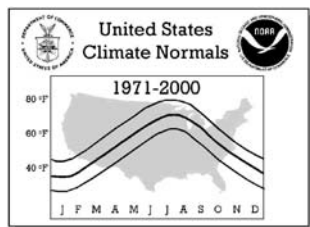
HCS 5-2: Population-Weighted Cooling Degree Days

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



#### State Identification Codes (Code/State Name/Abbreviation)

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	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		



# Area-Weighted Monthly Normals, 1971-2000 (and previous periods) HISTORICAL CLIMATOGRAPHY SERIES 4-1

## Temperature (°F)

### NOTES

Page 3

#### Product Description:

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

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

#### Abbreviations:

**AVERAGE** = Mean of Element for all Months (or Annual Values) for the Given Period of Record.

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

**31-00** = 1931 through 2000 Long-Term Period of Record. **WIN** = Winter Season (Dec-Feb)

**31-60** = 1931 through 1960 Normal Period of Record. **SPR** = Spring Season (Mar-May)

**41-70** = 1941 through 1970 Normal Period of Record. **SUM** = Summer Season (Jun-Aug)

**51-80** = 1951 through 1980 Normal Period of Record. **AUT** = Autumn (Fall) Season (Sep-Nov)

**61-90** = 1961 through 1990 Normal Period of Record. **Temp** = Temperature (deg F)

**71-00** = 1971 through 2000 Normal Period of Record. **Prcp** = Precipitation (inches)

#### Computational Procedures:

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

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

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

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

#### Database Codes:

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

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

**NCDC Regions:** 01=Northeast, 02=East North Central, 03=Central, 04=Southeast, 05=West North Central, 06=South, 07=Southwest, 08=Northwest, 09=West.

#### References:

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

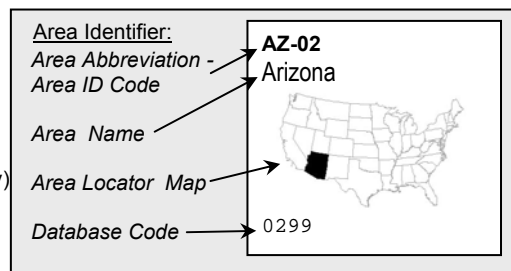
Karl, T.R. and W.J. Koss, 1984: *Historical Climatology Series 4-3: Regional and National Monthly, Seasonal and Annual Temperature Weighted by Area, 1895-1983*, NOAA/NESDIS/NCDC.

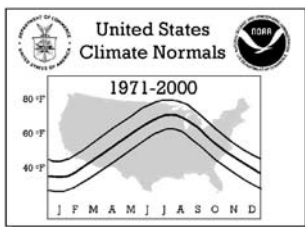
Guttman, N.B. and R.G. Quayle, 1995: "A Historical Perspective of U.S. Climate Divisions", *Bulletin of the American Meteorological Society*, Statistical descriptors of climate, *Bulletin of the American Meteorological Society*, Vol. 77, no. 2, pp. 293-303.

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

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

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





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

## HISTORICAL CLIMATOGRAPHY SERIES 4-1

### Temperature (°F)

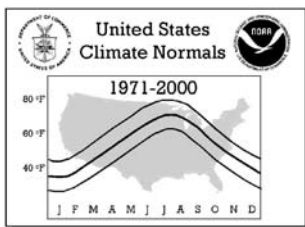
#### Area and Population Weights (State in Region)

Page 4

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

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

†Region codes are defined on page 5.



Temperature (°F)

Area and Population Weights (Region in Nation)

**U.S. Census Regions**

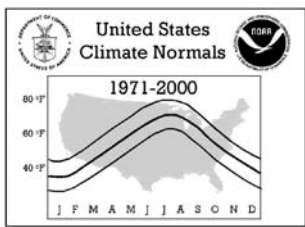
Region Code	Region Name	States Within Region	Area (sq. miles)	Census 2000 Population	Weights Within Nation <sup>^</sup>	
					Area	Population
01	New England	CT,ME,MA,NH,RI,VT	66,609	13,922,517	0.02204	0.04980
02	Middle Atlantic	NJ,NY,PA	102,746	39,671,861	0.03400	0.14190
03	East North Central	IL,IN,MI,OH,WI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

**NCDC Regions**

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

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

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









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

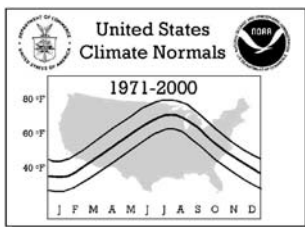
## HISTORICAL CLIMATOGRAPHY SERIES 4-1

### Temperature (°F)

### Alabama – Connecticut

Page 6

State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>AL-01</b> <b>Alabama</b> 	31-00 AVERAGE	45.5	48.5	55.1	63.0	70.7	77.5	80.0	79.4	74.4	64.0	53.8	47.2	63.3
	STD DEV	5.2	4.2	3.7	2.4	2.3	2.0	1.5	1.6	2.2	2.9	3.1	4.0	1.2
	31-60 AVERAGE	47.7	49.7	55.2	63.5	71.6	78.5	80.4	80.1	75.1	65.1	53.7	47.8	64.1
	STD DEV	5.4	4.6	4.3	2.0	2.2	1.8	1.3	1.4	2.2	2.9	2.8	3.9	1.0
	41-70 AVERAGE	45.7	48.5	54.5	63.9	71.3	77.7	79.8	79.4	74.3	64.2	53.3	46.7	63.3
	STD DEV	4.8	5.0	4.0	2.4	2.2	2.1	1.5	1.7	2.1	3.0	2.7	3.5	1.1
	51-80 AVERAGE	44.3	47.4	54.5	63.3	70.5	77.0	79.7	79.1	74.3	63.1	53.0	46.6	62.7
	STD DEV	4.9	4.8	3.6	2.3	2.4	2.1	1.6	1.7	2.4	2.7	2.9	3.5	1.0
	61-90 AVERAGE	43.1	46.9	55.0	62.8	69.9	76.7	79.4	78.8	73.8	63.0	54.1	46.6	62.5
	STD DEV	4.7	3.9	3.2	2.5	2.2	1.6	1.5	1.4	2.3	2.8	3.3	4.2	0.9
0199	71-00 AVERAGE	44.3	48.0	55.5	62.0	69.9	76.8	79.9	79.1	73.9	63.1	54.1	46.9	62.8
<b>AZ-02</b> <b>Arizona</b> 	31-00 AVERAGE	41.3	45.2	50.1	57.4	65.7	74.7	80.1	78.2	72.5	61.7	49.5	42.4	59.9
	STD DEV	3.2	3.3	2.9	3.0	2.6	2.3	1.2	1.5	1.8	2.4	2.7	2.7	1.1
	31-60 AVERAGE	40.6	44.3	49.8	57.6	65.4	74.3	80.0	77.8	72.7	61.8	49.1	42.7	59.7
	STD DEV	3.6	3.7	2.7	2.7	2.6	2.1	1.2	1.1	1.6	2.2	2.8	2.9	0.9
	41-70 AVERAGE	40.9	44.7	49.1	57.0	65.4	74.0	80.0	77.8	72.4	61.8	49.6	42.2	59.6
	STD DEV	2.8	3.6	2.6	3.0	2.2	2.3	1.2	1.4	1.8	2.5	2.9	2.6	0.8
	51-80 AVERAGE	41.0	44.8	49.2	56.4	64.9	74.6	80.1	77.7	72.1	61.6	49.3	41.9	59.5
	STD DEV	2.6	3.3	3.1	2.6	2.5	2.2	1.2	1.4	1.7	2.4	2.4	2.9	0.8
	61-90 AVERAGE	41.2	45.4	49.8	57.0	65.4	74.9	80.1	77.9	71.8	61.3	49.7	41.9	59.7
	STD DEV	2.6	2.6	3.2	3.3	2.3	2.4	1.2	1.4	1.9	2.7	2.1	2.8	1.0
0299	71-00 AVERAGE	42.3	46.2	51.0	57.6	66.0	75.5	80.2	78.5	72.6	61.7	49.6	42.5	60.3
<b>AR-03</b> <b>Arkansas</b> 	31-00 AVERAGE	39.5	43.6	51.2	60.8	68.9	76.8	80.6	79.5	72.7	62.1	50.2	42.0	60.7
	STD DEV	4.4	4.1	4.0	2.5	2.3	2.1	1.9	2.5	2.7	2.7	3.0	3.9	1.1
	31-60 AVERAGE	41.0	43.9	50.8	60.8	69.0	77.3	80.8	80.3	73.5	62.9	49.8	42.7	61.1
	STD DEV	4.2	4.1	4.5	2.4	2.2	2.3	1.9	2.5	2.7	2.8	2.7	3.5	1.1
	41-70 AVERAGE	39.8	43.3	50.1	61.3	69.2	76.8	80.3	79.3	72.4	62.3	50.1	42.0	60.6
	STD DEV	3.6	3.8	4.4	2.6	2.2	2.1	1.9	2.4	2.1	3.0	2.6	3.5	0.9
	51-80 AVERAGE	38.5	42.8	50.5	61.0	69.0	76.6	80.5	79.1	72.5	61.7	49.8	42.0	60.3
	STD DEV	4.5	4.4	4.3	2.5	2.5	2.3	2.0	2.2	2.6	3.0	3.0	3.1	1.0
	61-90 AVERAGE	37.8	42.4	51.5	61.0	68.7	76.3	80.3	78.8	72.2	61.4	50.8	41.4	60.2
	STD DEV	4.6	4.2	3.8	2.6	2.5	1.8	1.9	2.1	2.6	2.8	2.9	4.2	0.9
0399	71-00 AVERAGE	38.5	43.8	52.0	60.4	68.6	76.4	80.6	79.3	72.3	61.5	50.3	41.6	60.4
<b>CA-04</b> <b>California</b> 	31-00 AVERAGE	44.2	47.5	51.0	56.1	62.6	69.4	75.2	74.3	69.7	61.2	51.2	45.0	58.9
	STD DEV	2.9	2.8	2.7	3.0	2.6	2.3	1.6	1.6	2.0	2.3	2.4	2.5	1.0
	31-60 AVERAGE	43.3	46.4	50.6	56.3	62.3	68.8	75.2	73.8	69.7	60.9	51.1	45.3	58.6
	STD DEV	3.6	2.7	2.8	2.5	2.5	2.2	1.6	1.5	1.7	2.1	2.4	2.5	0.9
	41-70 AVERAGE	43.6	47.1	50.0	55.6	62.0	68.6	75.0	73.7	69.6	61.0	51.2	44.8	58.5
	STD DEV	2.8	2.9	2.2	3.1	2.2	2.3	1.6	1.7	1.9	2.2	2.3	2.3	0.7
	51-80 AVERAGE	43.9	47.6	50.2	55.1	61.9	69.3	75.1	73.9	69.6	61.2	51.1	44.8	58.6
	STD DEV	2.2	2.6	2.4	3.1	2.5	2.3	1.4	1.8	1.9	2.3	2.0	2.6	0.7
	61-90 AVERAGE	44.4	48.1	50.9	55.7	62.5	69.9	75.2	74.3	69.3	61.3	51.1	44.5	58.9
	STD DEV	2.2	2.5	2.6	3.6	2.4	2.3	1.7	1.6	2.3	2.4	2.0	2.6	0.9
0499	71-00 AVERAGE	45.1	48.5	51.8	56.5	63.1	70.2	75.3	74.6	69.9	61.6	51.1	45.0	59.4
<b>CO-05</b> <b>Colorado</b> 	31-00 AVERAGE	23.6	27.8	34.2	43.2	52.8	62.0	67.9	66.0	58.0	47.3	33.9	25.8	45.2
	STD DEV	3.8	4.1	3.3	2.9	2.3	2.3	1.5	1.6	2.2	2.4	3.3	3.3	1.1
	31-60 AVERAGE	23.8	27.3	33.6	43.5	52.9	62.3	68.2	66.6	58.8	48.1	34.1	26.8	45.5
	STD DEV	3.9	4.7	2.9	2.9	2.5	2.5	1.5	1.3	1.8	2.0	3.2	3.1	1.1
	41-70 AVERAGE	23.7	27.4	32.6	43.2	52.9	61.6	67.8	65.9	58.0	47.7	34.3	26.2	45.1
	STD DEV	3.5	4.3	3.3	3.1	2.1	2.5	1.4	1.5	2.3	2.8	3.2	2.8	0.9
	51-80 AVERAGE	23.1	27.4	33.1	42.6	52.6	62.1	67.9	65.6	57.7	47.4	33.7	25.7	44.9
	STD DEV	3.8	4.1	3.4	2.6	2.2	2.4	1.4	1.5	2.4	2.7	3.1	3.6	1.1
	61-90 AVERAGE	22.9	27.4	34.0	43.0	52.4	61.8	67.8	65.5	57.3	46.8	34.2	24.8	44.8
	STD DEV	4.0	3.3	3.7	3.1	2.1	2.2	1.3	1.6	2.3	2.8	2.8	3.6	1.0
0599	71-00 AVERAGE	23.7	28.3	35.6	43.1	52.5	62.2	67.6	65.7	57.7	46.6	33.5	25.2	45.1
<b>CT-06</b> <b>Connecticut</b> 	31-00 AVERAGE	25.9	27.5	35.9	46.5	57.2	66.1	71.2	69.3	61.7	51.3	41.1	30.0	48.6
	STD DEV	4.6	4.1	3.4	2.5	2.4	1.8	1.7	1.9	1.9	2.5	2.6	4.0	1.2
	31-60 AVERAGE	26.6	27.2	35.2	46.2	57.1	66.0	71.1	69.1	61.8	51.9	40.8	29.5	48.5
	STD DEV	4.7	4.3	4.0	2.9	2.3	1.9	1.7	2.1	1.9	2.5	2.7	3.9	1.2
	41-70 AVERAGE	25.4	27.0	35.3	46.6	56.5	65.8	70.8	68.7	61.8	52.0	41.1	28.9	48.3
	STD DEV	4.2	3.5	3.5	2.8	2.5	1.8	1.8	1.9	2.0	2.3	2.3	3.9	1.1
	51-80 AVERAGE	25.4	27.0	35.7	46.8	56.8	65.8	70.9	69.2	61.7	51.3	41.3	29.7	48.5
	STD DEV	4.0	3.9	2.9	2.4	2.6	1.8	1.7	1.8	2.2	2.5	2.5	3.9	1.0
	61-90 AVERAGE	24.8	27.1	36.4	46.6	57.2	65.9	71.1	69.4	61.6	51.0	41.5	29.9	48.5
	STD DEV	4.5	3.7	2.7	2.3	2.4	1.6	1.3	1.8	2.1	2.7	2.5	4.2	1.0
0699	71-00 AVERAGE	26.0	28.4	36.9	47.1	57.8	66.3	71.5	69.8	61.7	50.7	41.4	31.2	49.0
	STD DEV	4.5	4.2	2.8	2.2	2.3	1.8	1.7	1.6	1.6	2.6	2.7	4.2	1.1









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

## HISTORICAL CLIMATOGRAPHY SERIES 4-1

### Temperature (°F)

### Delaware – Indiana

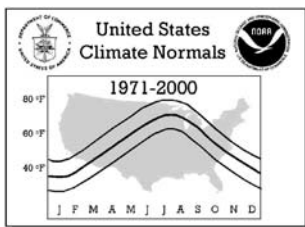
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State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>DE-07</b> <b>Delaware</b> 	31-00 AVERAGE	34.2	35.3	43.2	52.5	62.7	71.5	76.1	74.4	67.9	57.1	46.8	37.3	54.9
	STD DEV	4.9	4.2	3.5	2.4	2.2	1.8	1.6	1.6	2.0	2.6	2.7	4.1	1.1
	31-60 AVERAGE	35.4	35.4	42.5	52.4	62.8	71.5	76.0	74.3	68.0	57.5	46.5	36.8	54.9
	STD DEV	5.3	4.3	4.2	2.5	2.1	1.9	1.6	1.6	2.1	2.6	2.4	4.0	1.0
	41-70 AVERAGE	33.9	35.0	42.6	52.6	62.6	71.3	75.7	74.0	67.7	57.4	46.4	36.0	54.6
	STD DEV	4.4	3.2	3.9	2.4	2.4	1.8	1.5	1.5	2.2	2.6	2.2	3.9	0.9
	51-80 AVERAGE	33.1	34.5	42.8	52.8	62.4	71.0	75.7	74.5	67.8	56.8	46.4	37.0	54.6
	STD DEV	4.0	4.2	3.3	2.6	2.3	1.8	1.4	1.6	2.1	2.6	2.6	4.0	0.9
	61-90 AVERAGE	32.5	34.6	43.6	52.3	62.5	71.4	75.9	74.5	67.8	56.8	47.2	37.4	54.7
	STD DEV	4.4	4.3	2.9	2.3	2.2	1.8	1.5	1.7	2.1	3.0	2.8	4.3	1.0
<b>0799</b> <b>FL-08</b> <b>Florida</b> 	71-00 AVERAGE	33.9	35.9	44.0	53.0	62.8	71.6	76.5	74.7	68.0	56.9	47.2	38.3	55.3
	STD DEV	4.7	4.6	2.9	2.3	2.2	2.0	1.7	1.7	1.5	2.8	3.0	4.3	1.0
	31-00 AVERAGE	58.4	60.0	64.5	69.7	75.5	79.9	81.4	81.4	79.4	72.8	65.1	59.8	70.7
	STD DEV	4.2	3.8	2.8	2.0	1.3	1.1	0.9	0.7	0.9	1.9	2.7	3.4	0.9
	31-60 AVERAGE	59.2	60.7	64.3	69.9	75.7	80.0	81.3	81.5	79.4	73.0	64.9	60.0	70.8
	STD DEV	4.3	4.3	3.0	2.0	1.4	1.0	0.8	0.7	1.0	2.1	2.6	3.7	0.8
	41-70 AVERAGE	58.2	59.8	64.2	70.3	75.7	79.9	81.2	81.4	79.3	72.8	64.6	59.3	70.6
	STD DEV	3.5	4.4	3.0	2.1	1.1	1.1	0.7	0.7	1.0	2.0	2.8	3.2	0.8
	51-80 AVERAGE	57.6	58.9	64.4	69.9	75.4	79.6	81.2	81.3	79.4	72.3	64.6	59.0	70.3
	STD DEV	4.0	4.0	2.7	1.7	1.2	1.1	0.7	0.7	1.0	1.9	2.5	3.1	0.7
<b>0899</b> <b>GA-09</b> <b>Georgia</b> 	61-90 AVERAGE	57.2	59.0	64.5	69.6	75.1	79.7	81.3	81.2	79.2	72.4	65.3	59.4	70.3
	STD DEV	4.3	3.6	2.7	1.8	1.0	1.1	0.8	0.6	0.9	2.0	3.0	3.5	0.9
	71-00 AVERAGE	58.1	60.0	64.9	69.3	75.4	80.0	81.6	81.5	79.4	72.6	66.0	60.0	70.7
	STD DEV	4.5	3.2	2.6	1.9	1.5	1.2	0.9	0.8	0.8	2.0	2.7	3.2	0.9
	31-00 AVERAGE	46.7	49.3	55.8	63.3	71.0	77.5	80.0	79.2	74.4	64.5	55.0	48.0	63.7
	STD DEV	4.9	4.0	3.5	2.2	2.1	2.0	1.6	1.4	1.9	2.6	3.0	3.8	1.1
	31-60 AVERAGE	48.6	50.2	55.5	63.7	71.8	78.5	80.2	79.8	75.1	65.3	54.7	48.3	64.3
	STD DEV	5.0	4.3	4.0	1.9	1.9	1.6	1.3	1.1	1.8	2.5	2.7	3.9	0.9
	41-70 AVERAGE	46.9	49.2	55.0	64.0	71.4	77.5	79.6	79.2	74.3	64.7	54.4	47.4	63.6
	STD DEV	4.4	4.5	3.8	2.2	2.0	2.1	1.3	1.4	1.9	2.6	2.7	3.4	1.0
<b>0999</b> <b>ID-10</b> <b>Idaho</b> 	51-80 AVERAGE	45.7	48.3	55.2	63.7	70.8	76.8	79.5	79.1	74.4	63.9	54.4	47.5	63.3
	STD DEV	4.8	4.4	3.4	2.0	2.2	2.1	1.5	1.4	2.0	2.4	2.7	3.5	0.9
	61-90 AVERAGE	44.7	48.1	55.8	63.1	70.3	76.7	79.5	78.8	73.9	63.9	55.3	47.7	63.2
	STD DEV	4.7	3.8	2.9	2.2	1.9	1.8	1.7	1.4	1.9	2.8	3.2	3.9	1.0
	71-00 AVERAGE	45.8	49.2	56.3	62.7	70.4	77.0	80.1	79.0	74.1	64.0	55.6	48.1	63.5
	STD DEV	4.7	3.3	2.9	2.2	2.1	1.9	1.7	1.5	1.7	2.7	3.3	3.8	1.0
	31-00 AVERAGE	22.6	27.5	34.2	42.9	51.6	58.8	66.6	65.0	56.1	45.8	33.0	25.0	44.1
	STD DEV	4.9	4.5	3.5	3.0	2.7	2.6	2.1	2.2	2.8	2.6	3.4	3.8	1.3
	31-60 AVERAGE	21.5	26.1	33.0	43.0	51.7	58.3	66.9	64.5	56.3	46.4	32.7	25.8	43.9
	STD DEV	5.8	4.7	3.4	2.7	3.1	2.6	1.7	1.6	2.2	2.7	3.6	3.7	1.4
<b>1099</b> <b>IL-11</b> <b>Illinois</b> 	41-70 AVERAGE	21.8	27.3	32.4	42.1	51.1	57.8	66.4	64.4	55.9	45.7	33.2	25.2	43.6
	STD DEV	5.2	4.2	3.1	2.6	2.6	2.3	1.5	2.1	2.9	3.0	3.0	2.9	1.0
	51-80 AVERAGE	22.5	27.8	32.7	41.8	51.0	58.7	66.5	64.4	55.9	45.5	32.9	25.2	43.7
	STD DEV	4.5	4.0	3.2	2.6	2.5	2.5	1.5	2.4	3.0	2.4	2.8	3.2	1.0
	61-90 AVERAGE	22.7	27.9	34.4	42.6	51.1	59.4	66.4	65.0	55.6	45.4	33.3	24.0	44.0
	STD DEV	4.0	3.9	3.5	3.3	2.0	2.6	1.8	2.6	3.4	2.6	2.6	4.1	1.2
	71-00 AVERAGE	23.6	28.4	35.9	43.5	51.6	59.3	66.2	65.4	56.1	45.5	32.9	24.3	44.4
	STD DEV	4.2	4.0	3.1	3.2	2.4	2.6	2.5	2.4	2.9	2.1	3.4	4.2	1.3
	31-00 AVERAGE	25.9	30.0	39.9	51.8	62.4	72.0	75.8	73.8	66.4	55.2	41.3	30.2	52.1
	STD DEV	5.6	5.1	4.6	2.9	3.3	2.5	2.2	2.6	2.6	3.2	3.5	5.1	1.3
<b>1199</b> <b>IN-12</b> <b>Indiana</b> 	31-60 AVERAGE	28.0	30.4	39.3	51.8	62.5	72.5	76.5	74.8	67.1	56.1	40.8	30.9	52.6
	STD DEV	5.0	4.8	5.3	2.9	3.0	3.0	2.5	2.5	2.8	3.0	3.6	4.6	1.4
	41-70 AVERAGE	26.3	29.8	39.0	52.3	62.4	72.0	75.4	73.8	66.3	55.9	41.1	30.1	52.0
	STD DEV	4.3	4.0	5.1	3.0	3.3	2.5	2.0	2.4	2.3	3.3	3.2	4.7	1.2
	51-80 AVERAGE	24.2	29.0	39.0	52.2	62.5	71.8	75.5	73.4	66.5	55.0	41.1	30.1	51.7
	STD DEV	5.4	5.3	4.6	2.8	3.3	2.5	2.1	1.9	2.5	3.5	3.2	4.3	1.2
	61-90 AVERAGE	23.9	28.4	40.2	52.0	62.3	71.6	75.4	73.0	66.0	54.4	41.9	29.2	51.5
	STD DEV	6.0	5.1	4.2	3.0	3.7	2.0	1.9	2.2	2.3	3.5	2.9	5.5	1.1
	71-00 AVERAGE	24.6	30.1	40.7	51.7	62.4	71.6	75.4	73.2	65.8	54.2	41.5	29.8	51.8
	STD DEV	5.9	5.9	3.9	3.0	3.4	2.1	1.9	2.6	2.5	3.0	3.6	5.6	1.4
<b>1299</b> 	31-00 AVERAGE	27.4	30.6	40.0	51.2	61.6	71.0	74.7	72.8	65.8	54.5	41.9	31.2	51.9
	STD DEV	5.5	5.0	4.5	2.8	3.3	2.4	2.1	2.4	2.6	3.1	3.3	5.0	1.3
	31-60 AVERAGE	29.5	31.4	39.4	51.2	61.7	71.6	75.4	73.7	66.5	55.4	41.4	31.6	52.4
	STD DEV	5.1	4.6	5.3	3.0	2.8	2.8	2.3	2.2	2.7	2.8	3.4	4.6	1.3
	41-70 AVERAGE	27.8	30.5	39.4	51.8	61.6	71.0	74.3	72.6	65.8	55.1	41.6	30.9	51.9
	STD DEV	4.5	4.1	4.9	3.0	3.3	2.4	2.0	2.3	2.4	3.1	2.9	4.7	1.2
	51-80 AVERAGE	25.9	29.5	39.4	51.6	61.4	70.6	74.2	72.3	65.8	54.2	41.7	31.2	51.5
	STD DEV	5.3	5.3	4.4	2.8	3.4	2.4	1.9	1.9	2.6	3.3	3.0	4.3	1.2
	61-90 AVERAGE	25.2	29.0	40.4	51.3	61.3	70.5	74.2	72.0	65.5	53.7	42.6	30.7	51.4
	STD DEV	5.7	5.0	4.1	2.8	3.8	2.0	1.8	2.1	2.4	3.5	2.8	5.3	1.0
	71-00 AVERAGE	26.0	30.5	40.8	51.1	61.5	70.6	74.4	72.3	65.2	53.7	42.3	31.2	51.7
	STD DEV	5.7	5.6	4.0	2.8	3.5	2.2	1.9	2.5	2.4	3.2	3.5	5.5	1.3









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

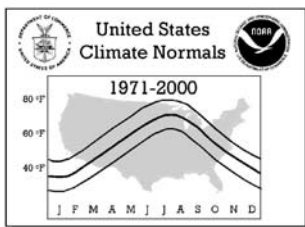
## HISTORICAL CLIMATOGRAPHY SERIES 4-1

### Temperature (°F)

### Nebraska – New York

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State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>NE-25</b> Nebraska	31-00 AVERAGE	22.7	27.6	36.1	48.1	59.0	69.0	75.1	72.9	63.1	51.4	36.1	26.3	49.0
	STD DEV	5.9	6.0	4.6	3.2	3.3	3.1	2.8	2.6	3.0	2.9	3.6	4.6	1.4
	31-60 AVERAGE	23.1	26.7	35.0	48.1	59.1	69.4	76.1	74.0	64.1	52.3	36.4	27.4	49.3
	STD DEV	6.1	6.3	4.7	3.5	3.7	3.7	3.2	2.5	3.0	3.1	3.2	3.7	1.5
	41-70 AVERAGE	22.5	27.3	34.2	48.1	58.8	68.4	74.7	73.1	62.7	52.0	36.7	26.5	48.8
	STD DEV	4.7	4.7	5.2	3.7	3.1	3.2	2.4	2.3	2.9	3.3	3.1	3.8	1.2
	51-80 AVERAGE	21.1	27.1	34.9	48.0	59.0	69.1	74.9	72.6	62.7	51.4	36.1	26.2	48.6
	STD DEV	4.9	5.6	4.9	2.9	2.8	3.0	2.6	2.1	3.0	3.2	3.0	4.2	1.2
	61-90 AVERAGE	21.9	27.3	36.5	48.6	59.0	69.0	74.8	72.1	62.2	50.8	36.3	24.8	48.6
	STD DEV	6.1	5.2	4.5	3.1	2.9	2.6	2.0	2.3	2.7	2.9	3.4	5.1	1.2
<b>2599</b> <b>NV-26</b> Nevada	71-00 AVERAGE	22.7	28.5	37.6	48.1	58.7	68.9	74.3	72.2	62.7	50.5	35.4	25.6	48.8
	STD DEV	6.0	6.4	3.5	3.1	2.8	2.7	2.2	2.5	2.6	1.9	4.3	5.4	1.5
	31-00 AVERAGE	29.8	34.5	40.2	47.3	55.7	64.3	72.2	70.2	61.8	50.9	38.7	31.3	49.8
	STD DEV	4.8	4.2	3.2	3.4	3.0	2.7	1.9	2.0	2.4	2.7	3.1	3.5	1.1
	31-60 AVERAGE	29.2	33.4	39.8	48.0	56.0	64.2	72.6	70.4	62.4	51.3	38.8	32.1	49.8
	STD DEV	6.0	4.8	3.3	2.8	3.1	2.6	1.9	1.9	2.0	2.6	3.4	3.5	1.3
	41-70 AVERAGE	29.5	34.3	38.7	46.7	55.4	63.2	71.9	69.6	61.7	51.0	38.9	31.3	49.4
	STD DEV	4.8	4.3	2.8	3.3	2.7	2.6	1.6	2.0	2.5	2.8	3.0	3.0	0.9
	51-80 AVERAGE	29.9	34.9	39.0	46.0	55.1	64.1	72.0	69.6	61.5	50.9	38.7	31.1	49.4
	STD DEV	3.8	3.7	3.1	3.2	3.0	2.7	1.5	2.2	2.5	2.7	2.5	3.4	0.8
<b>2699</b> <b>NH-27</b> New Hampshire	61-90 AVERAGE	29.7	34.9	39.8	46.4	55.3	64.5	71.9	69.8	61.0	50.6	38.7	30.5	49.4
	STD DEV	3.5	3.4	3.2	3.8	2.6	2.8	1.7	2.2	2.8	3.0	2.4	3.7	0.9
	71-00 AVERAGE	30.4	35.5	41.2	47.3	55.7	64.8	71.9	70.2	61.6	50.6	38.4	30.9	49.9
	STD DEV	3.9	3.4	3.1	3.5	3.0	2.7	2.0	1.9	2.3	2.7	3.0	3.7	1.1
	31-00 AVERAGE	18.5	20.5	30.1	41.9	53.7	62.9	67.7	65.5	57.3	46.7	35.9	23.4	43.7
	STD DEV	4.5	4.2	3.5	2.6	2.6	1.7	1.8	2.1	2.1	2.5	2.9	4.4	1.1
	31-60 AVERAGE	19.3	20.4	29.5	41.8	53.7	62.9	67.8	65.5	57.7	47.2	36.0	22.9	43.7
	STD DEV	4.6	4.3	4.1	2.9	2.6	1.8	1.8	2.3	2.0	2.3	3.0	4.1	1.0
	41-70 AVERAGE	18.5	20.2	29.9	42.0	53.2	62.8	67.5	65.0	57.5	47.5	36.2	22.7	43.6
	STD DEV	4.2	3.7	3.7	2.7	2.9	1.8	2.0	2.2	2.4	2.3	2.6	4.1	0.9
<b>2799</b> <b>NJ-28</b> New Jersey	51-80 AVERAGE	18.2	20.2	30.0	41.8	53.3	62.7	67.4	65.1	57.1	46.6	36.0	22.8	43.5
	STD DEV	4.1	3.9	3.1	2.4	2.9	1.8	2.0	2.0	2.3	2.6	2.9	4.3	1.0
	61-90 AVERAGE	17.5	20.1	30.5	41.9	53.7	62.7	67.6	65.3	57.0	46.4	35.8	22.9	43.5
	STD DEV	4.4	3.9	2.9	2.6	2.7	1.7	1.6	2.0	2.2	2.6	2.8	4.6	1.0
	71-00 AVERAGE	18.2	21.1	30.8	42.2	54.1	63.0	67.8	65.7	57.0	46.0	35.9	24.2	43.8
	STD DEV	4.5	4.3	3.1	2.6	2.4	1.9	1.7	1.7	1.7	2.6	2.8	4.9	1.2
	31-00 AVERAGE	30.8	32.2	40.2	50.2	60.5	69.4	74.4	72.6	65.6	54.7	44.6	34.4	52.5
	STD DEV	4.7	4.1	3.3	2.3	2.3	1.7	1.6	1.7	1.9	2.7	2.6	3.8	1.0
	31-60 AVERAGE	31.9	32.1	39.5	50.1	60.8	69.6	74.5	72.6	65.7	55.3	44.4	33.9	52.5
	STD DEV	4.9	4.3	3.9	2.6	2.1	1.7	1.6	1.8	1.9	2.6	2.5	3.7	1.0
<b>2899</b> <b>NM-29</b> New Mexico	41-70 AVERAGE	30.6	31.9	39.8	50.4	60.4	69.5	74.2	72.4	65.8	55.5	44.6	33.4	52.4
	STD DEV	4.3	3.2	3.6	2.5	2.6	1.6	1.7	1.6	2.1	2.5	2.2	3.6	0.9
	51-80 AVERAGE	30.1	31.6	40.0	50.5	60.2	69.2	74.1	72.7	65.7	54.7	44.6	34.2	52.3
	STD DEV	3.9	4.0	2.9	2.4	2.5	1.7	1.6	1.5	2.2	2.6	2.5	3.8	0.9
	61-90 AVERAGE	29.2	31.6	40.6	50.0	60.2	69.2	74.1	72.6	65.5	54.4	45.0	34.4	52.2
	STD DEV	4.4	3.9	2.7	2.2	2.4	1.7	1.3	1.5	2.2	2.9	2.6	4.0	0.9
	71-00 AVERAGE	30.6	32.9	41.0	50.4	60.5	69.3	74.5	72.7	65.5	54.1	44.9	35.4	52.7
	STD DEV	4.7	4.3	2.9	2.1	2.2	1.9	1.8	1.6	1.6	2.8	2.7	4.1	1.1
	31-00 AVERAGE	33.9	38.2	43.9	51.9	60.7	69.6	73.4	71.6	65.0	54.7	42.4	35.2	53.4
	STD DEV	3.0	3.2	2.6	2.5	2.0	1.8	1.3	1.4	1.7	1.9	2.6	2.6	0.9
<b>2999</b> <b>NY-30</b> New York	31-60 AVERAGE	33.8	37.8	43.5	52.1	60.6	70.0	73.4	71.9	65.5	55.1	42.1	35.5	53.4
	STD DEV	3.2	3.6	2.3	2.4	1.9	1.7	1.2	1.2	1.5	1.9	2.5	2.9	0.8
	41-70 AVERAGE	33.8	37.8	42.8	52.0	60.8	69.5	73.6	71.8	65.2	54.9	42.6	35.2	53.3
	STD DEV	3.2	3.6	2.6	2.5	1.5	1.9	1.4	1.3	1.5	2.1	2.7	2.6	0.7
	51-80 AVERAGE	33.9	37.7	43.3	51.5	60.3	69.7	73.6	71.3	64.8	54.6	42.2	35.0	53.2
	STD DEV	3.1	3.5	3.0	2.3	1.8	1.9	1.6	1.4	1.6	2.0	2.7	2.7	0.8
	61-90 AVERAGE	33.5	37.9	43.9	51.8	60.4	69.3	73.3	71.0	64.4	54.3	42.8	34.8	53.1
	STD DEV	2.8	2.7	3.1	2.6	1.9	1.8	1.4	1.4	1.5	2.1	2.4	2.5	0.8
	71-00 AVERAGE	34.4	38.9	44.9	51.8	60.7	69.7	73.2	71.3	64.8	54.3	42.4	34.9	53.4
	STD DEV	2.7	2.6	2.3	2.7	2.3	2.0	1.3	1.5	1.9	1.8	2.7	2.4	1.0
<b>3099</b> <b>NY-30</b> New York	31-00 AVERAGE	21.1	22.3	31.4	43.6	55.1	64.4	69.0	67.0	59.5	48.8	37.7	25.9	45.5
	STD DEV	5.0	4.5	3.9	2.9	2.8	1.9	1.8	2.0	2.2	2.8	3.1	4.3	1.2
	31-60 AVERAGE	22.1	22.5	30.9	43.7	55.3	64.8	69.5	67.5	60.0	49.5	37.7	25.7	45.8
	STD DEV	5.2	4.5	4.6	3.2	2.6	2.0	1.8	2.3	2.1	2.6	3.3	4.0	1.1
	41-70 AVERAGE	20.9	22.2	31.3	44.1	54.8	64.6	69.0	66.9	59.9	49.8	38.1	25.2	45.6
	STD DEV	4.6	3.6	4.1	3.1	3.0	2.0	1.9	2.1	2.4	2.6	2.8	4.1	1.0
	51-80 AVERAGE	20.3	21.7	31.3	43.7	54.8	64.1	68.7	66.8	59.4	48.8	37.8	25.5	45.3
	STD DEV	4.2	4.4	3.4	2.9	2.9	1.9	1.8	1.9	2.5	3.0	3.0	4.1	1.1
	61-90 AVERAGE	19.8	21.6	31.8	43.4	54.9	63.7	68.6	66.6	59.0	48.2	37.8	25.5	45.1
	STD DEV	4.8	4.3	3.3	2.8	2.8	1.9	1.4	1.7	2.3	3.1	2.8	4.6	0.9
	71-00 AVERAGE	20.6	22.7	31.9	43.5	55.3	64.0	68.7	66.8	58.8	47.8	37.6	26.5	45.4
	STD DEV	5.0	4.9	3.7	2.8	2.7	2.0	1.7	1.8	1.7	2.9	2.9	4.9	1.2










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

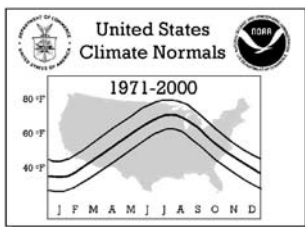
## HISTORICAL CLIMATOGRAPHY SERIES 4-1

### Temperature (°F)

### North Carolina – Pennsylvania

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State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>NC-31</b> North Carolina 	31-00 AVERAGE	40.8	42.8	49.8	58.5	66.7	74.0	77.3	76.0	70.5	60.1	50.5	42.5	59.1
	STD DEV	4.8	3.8	3.6	2.1	2.2	2.0	1.5	1.3	2.0	2.6	2.8	3.9	1.0
	31-60 AVERAGE	42.4	43.5	49.5	58.8	67.3	74.8	77.4	76.3	71.0	60.8	50.2	42.5	59.5
	STD DEV	5.1	4.0	4.5	2.0	2.0	1.8	1.4	1.1	2.0	2.4	2.6	4.0	0.9
	41-70 AVERAGE	40.9	42.5	49.2	59.0	67.2	74.0	76.9	75.9	70.3	60.4	50.1	41.7	59.0
	STD DEV	4.3	3.9	4.2	2.1	2.3	2.0	1.3	1.2	2.0	2.6	2.4	3.7	1.0
	51-80 AVERAGE	39.9	41.9	49.3	58.8	66.5	73.1	76.8	76.1	70.4	59.6	50.0	42.2	58.7
	STD DEV	4.3	4.1	3.6	2.0	2.3	2.0	1.2	1.3	2.0	2.5	2.5	3.7	0.9
	61-90 AVERAGE	38.9	41.8	50.0	58.2	66.1	73.2	76.8	75.9	70.1	59.5	50.9	42.4	58.6
	STD DEV	4.5	3.8	2.9	2.2	2.1	1.9	1.4	1.5	2.0	3.0	2.9	4.0	0.9
3199 <b>ND-32</b> North Dakota 	71-00 AVERAGE	40.0	42.9	50.3	58.3	66.1	73.5	77.5	76.0	70.2	59.5	50.9	43.0	59.0
	STD DEV	4.6	3.6	2.8	2.2	2.2	2.0	1.6	1.5	1.7	2.9	3.2	4.0	1.0
	31-00 AVERAGE	7.0	12.9	24.9	40.9	53.9	63.1	69.2	67.3	56.3	44.3	26.4	13.4	40.0
	STD DEV	7.9	7.9	5.9	4.0	3.6	3.2	2.7	2.7	3.1	3.2	5.1	6.3	1.9
	31-60 AVERAGE	6.9	10.7	23.1	40.6	53.7	62.5	69.8	67.4	56.7	44.7	26.2	14.3	39.7
	STD DEV	8.3	8.3	5.5	4.0	3.9	3.1	2.9	2.1	2.9	3.6	5.3	5.8	1.8
	41-70 AVERAGE	6.2	11.4	22.8	40.5	52.6	62.1	68.7	67.2	55.8	45.1	26.8	13.3	39.4
	STD DEV	7.5	5.3	6.5	4.1	3.0	2.9	2.1	2.5	3.3	3.6	4.9	6.0	1.6
	51-80 AVERAGE	4.8	12.2	23.5	40.4	53.5	63.1	68.9	67.0	55.9	44.7	26.8	13.2	39.5
	STD DEV	6.3	6.3	6.1	4.3	3.3	2.7	2.4	2.9	3.3	3.6	4.6	6.1	1.5
3299 <b>OH-33</b> Ohio 	61-90 AVERAGE	7.0	13.2	25.7	41.3	54.0	63.7	69.3	67.1	55.7	44.2	26.9	11.9	40.0
	STD DEV	8.2	6.8	6.1	4.3	3.6	3.3	2.3	3.3	3.4	3.0	4.6	6.2	1.9
	71-00 AVERAGE	7.9	15.4	26.9	41.7	54.8	63.7	68.7	67.3	56.2	43.6	26.1	13.0	40.4
	STD DEV	8.0	7.9	5.3	4.3	3.5	3.1	2.7	3.1	2.9	2.1	5.3	7.0	2.1
	31-00 AVERAGE	27.6	29.9	38.8	49.6	60.2	69.3	73.1	71.3	64.6	53.4	41.5	31.3	50.9
	STD DEV	5.6	4.8	4.4	2.8	3.2	2.3	2.0	2.2	2.5	3.0	3.1	4.8	1.3
	31-60 AVERAGE	29.5	30.5	38.1	49.5	60.4	70.0	73.7	72.0	65.3	54.1	41.1	31.3	51.3
	STD DEV	5.5	4.5	5.0	3.2	2.7	2.5	2.2	2.1	2.5	2.7	3.1	4.5	1.2
	41-70 AVERAGE	27.8	29.7	38.2	50.1	60.2	69.5	72.9	71.2	64.6	54.0	41.3	30.6	50.8
	STD DEV	4.9	4.0	4.6	3.1	3.3	2.2	1.9	2.1	2.4	3.0	2.6	4.6	1.1
3399 <b>OK-34</b> Oklahoma 	51-80 AVERAGE	26.2	28.7	38.3	49.9	60.1	68.8	72.6	71.0	64.6	53.0	41.3	31.1	50.5
	STD DEV	5.1	5.0	4.2	2.8	3.3	2.2	1.6	1.9	2.6	3.2	2.8	4.4	1.2
	61-90 AVERAGE	25.4	28.4	39.2	49.6	59.9	68.6	72.5	70.7	64.2	52.6	42.0	30.9	50.3
	STD DEV	5.4	4.9	3.9	2.7	3.5	2.0	1.6	1.9	2.5	3.4	2.8	5.1	1.1
	71-00 AVERAGE	26.5	29.9	39.6	49.7	60.0	68.8	72.8	71.0	64.0	52.6	42.0	31.7	50.7
	STD DEV	5.6	5.3	4.0	2.6	3.4	2.2	1.9	2.3	2.2	3.2	3.3	5.2	1.3
	31-00 AVERAGE	36.7	41.5	49.2	59.4	68.1	76.9	81.9	80.9	72.9	61.9	48.3	39.5	59.8
	STD DEV	4.4	4.4	4.0	2.7	2.4	2.4	2.4	2.7	2.9	2.7	3.0	3.6	1.1
	31-60 AVERAGE	37.5	41.6	48.5	59.3	68.0	77.6	82.0	81.7	73.7	62.6	48.1	40.2	60.1
	STD DEV	4.5	4.2	4.4	2.7	2.2	2.6	2.6	2.9	2.9	2.8	2.8	3.0	1.3
3499 <b>OR-35</b> Oregon 	41-70 AVERAGE	36.8	41.4	47.8	59.9	68.3	77.0	81.6	80.9	72.8	62.1	48.6	39.7	59.7
	STD DEV	3.5	3.6	4.4	3.0	2.3	2.4	2.6	2.6	2.4	3.0	2.8	3.1	1.1
	51-80 AVERAGE	35.8	41.0	48.7	59.8	68.3	77.1	82.0	80.7	72.9	61.8	48.2	39.7	59.7
	STD DEV	4.6	4.7	4.3	2.8	2.5	2.5	2.7	2.4	3.0	2.9	3.0	2.9	1.2
	61-90 AVERAGE	35.5	40.5	49.6	59.9	68.1	76.5	81.7	80.3	72.3	61.4	48.9	38.6	59.5
	STD DEV	4.7	4.5	3.8	2.9	2.3	2.1	2.4	2.1	2.7	2.6	2.8	4.1	1.0
	71-00 AVERAGE	36.1	41.7	50.2	59.1	67.9	76.6	81.7	80.5	72.4	61.3	48.3	39.0	59.6
	STD DEV	4.5	5.2	2.8	2.8	2.4	2.4	2.2	2.5	3.1	2.1	3.3	4.2	1.1
	31-00 AVERAGE	31.8	36.1	40.6	46.2	53.0	59.4	66.0	64.9	58.5	49.3	39.1	33.4	48.2
	STD DEV	4.3	3.6	2.5	2.7	2.5	2.3	2.0	2.1	2.5	2.2	2.9	3.1	1.1
3599 <b>PA-36</b> Pennsylvania 	31-60 AVERAGE	30.8	34.9	40.1	46.7	53.2	58.9	66.0	64.4	58.4	49.6	39.0	34.0	48.0
	STD DEV	5.2	3.4	2.7	2.4	2.7	2.1	1.6	1.7	2.0	2.2	2.8	3.1	1.1
	41-70 AVERAGE	31.0	36.2	39.7	45.7	52.7	58.8	65.8	64.3	58.4	49.2	39.5	33.8	47.9
	STD DEV	4.5	3.3	2.0	2.6	2.4	2.3	1.8	2.1	2.5	2.4	2.4	2.6	0.9
	51-80 AVERAGE	31.7	36.7	39.7	45.2	52.5	59.3	66.0	64.5	58.4	49.2	39.2	33.7	48.0
	STD DEV	3.9	3.1	2.3	2.6	2.3	2.5	1.7	2.4	2.6	2.0	2.4	2.8	0.8
	61-90 AVERAGE	32.0	36.7	40.7	45.6	52.5	59.9	65.8	65.2	58.0	49.1	39.2	32.6	48.1
	STD DEV	3.4	3.3	2.4	3.1	1.9	2.4	1.9	2.4	2.9	2.3	2.7	3.4	0.9
	71-00 AVERAGE	32.6	36.7	41.5	46.4	52.9	59.6	66.0	65.5	58.6	49.2	39.0	32.8	48.4
	STD DEV	3.6	3.4	2.5	2.8	2.4	2.4	2.4	2.1	2.6	2.1	3.3	3.4	1.1
3699 <b>PA-36</b> Pennsylvania 	31-00 AVERAGE	26.6	28.0	36.5	47.6	58.1	66.8	71.0	69.2	62.2	51.2	40.6	30.2	49.0
	STD DEV	5.1	4.3	3.9	2.6	2.9	2.0	1.9	2.0	2.2	2.8	2.8	4.2	1.1
	31-60 AVERAGE	28.3	28.6	36.1	47.8	58.7	67.4	71.6	69.7	62.8	52.1	40.4	30.2	49.5
	STD DEV	5.2	4.3	4.6	3.1	2.5	2.1	1.9	2.1	2.2	2.6	2.8	4.0	1.0
	41-70 AVERAGE	26.6	27.8	36.2	48.1	58.0	66.9	70.9	69.0	62.3	52.0	40.5	29.3	49.0
	STD DEV	4.6	3.7	4.3	3.0	3.1	1.9	1.8	2.0	2.4	2.8	2.4	4.0	1.0
	51-80 AVERAGE	25.5	27.1	36.2	47.8	57.6	66.3	70.5	69.0	62.2	50.9	40.5	29.9	48.6
	STD DEV	4.4	4.5	3.5	2.6	3.0	2.0	1.7	1.8	2.5	2.9	2.8	4.1	1.0
	61-90 AVERAGE	24.6	26.9	36.8	47.2	57.5	66.0	70.3	68.7	61.7	50.6	40.9	29.9	48.4
	STD DEV	4.7	4.1	3.3	2.4	2.9	1.8	1.5	1.8	2.4	3.1	2.7	4.5	0.9
	71-00 AVERAGE	25.8	28.3	37.0	47.5	57.7	66.2	70.6	69.0	61.6	50.4	40.7	30.7	48.8
	STD DEV	5.0	4.5	3.5	2.3	2.8	2.0	1.8	2.0	1.7	3.0	3.1	4.7	1.2









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

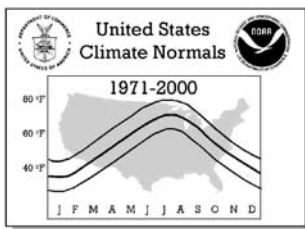
## HISTORICAL CLIMATOGRAPHY SERIES 4-1

### Temperature (°F)

### Rhode Island – Utah

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State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>RI-37</b> <b>Rhode Island</b> 	31-00 AVERAGE	29.4	30.4	37.3	46.4	56.1	65.1	70.9	69.8	62.8	53.1	43.8	33.3	49.9
	STD DEV	4.2	3.7	2.7	2.1	2.1	1.7	1.6	1.8	1.8	2.3	2.5	3.8	1.1
	31-60 AVERAGE	30.2	30.4	36.9	46.2	56.1	64.9	70.9	69.7	63.0	53.5	43.8	33.1	49.9
	STD DEV	4.4	4.0	3.2	2.3	1.9	1.7	1.7	1.9	1.7	2.1	2.4	3.7	1.1
	41-70 AVERAGE	29.2	30.3	37.0	46.5	55.6	64.9	70.8	69.4	62.7	53.6	44.0	32.4	49.7
	STD DEV	4.0	3.0	2.9	2.3	2.3	1.8	1.8	1.9	2.0	2.0	2.1	3.7	1.0
	51-80 AVERAGE	28.9	30.1	37.1	46.6	55.8	64.8	70.6	69.6	62.4	52.8	43.8	32.9	49.6
	STD DEV	3.8	3.6	2.5	2.3	2.3	1.7	1.7	1.8	2.1	2.2	2.4	3.8	1.0
	61-90 AVERAGE	28.3	29.9	37.5	46.3	55.9	64.8	70.7	69.8	62.5	52.7	43.9	33.0	49.6
	STD DEV	4.1	3.4	2.3	2.1	2.0	1.6	1.3	1.9	2.0	2.5	2.5	4.0	0.9
3799	71-00 AVERAGE	29.1	30.8	37.9	46.7	56.5	65.3	71.1	70.1	62.8	52.6	43.8	34.2	50.1
<b>SC-38</b> <b>South Carolina</b> 	STD DEV	4.0	3.9	2.4	2.0	1.9	1.7	1.6	1.6	1.7	2.5	2.7	4.0	1.1
	31-00 AVERAGE	44.9	47.3	54.0	62.2	70.2	77.0	79.9	78.7	73.4	63.2	53.8	46.2	62.6
	STD DEV	4.8	3.9	3.6	2.1	2.2	2.0	1.6	1.4	1.9	2.6	2.9	3.8	1.0
	31-60 AVERAGE	46.6	48.0	53.7	62.5	70.9	78.0	80.0	79.0	74.0	64.0	53.5	46.2	63.0
	STD DEV	5.0	4.2	4.3	1.9	2.0	1.6	1.4	1.2	2.0	2.5	2.7	4.0	0.8
	41-70 AVERAGE	45.1	47.1	53.5	62.8	70.7	77.1	79.5	78.6	73.2	63.5	53.4	45.6	62.5
	STD DEV	4.3	4.2	4.0	2.1	2.2	2.1	1.4	1.4	2.1	2.6	2.6	3.5	1.0
	51-80 AVERAGE	44.1	46.4	53.6	62.5	70.1	76.2	79.4	78.7	73.4	62.7	53.5	46.0	62.2
	STD DEV	4.6	4.1	3.5	2.0	2.4	2.1	1.4	1.5	2.0	2.4	2.7	3.6	0.9
	61-90 AVERAGE	43.0	46.3	54.2	61.9	69.6	76.2	79.4	78.4	73.0	62.7	54.2	46.2	62.1
	STD DEV	4.6	3.8	2.9	2.1	2.1	2.0	1.7	1.5	1.9	2.9	3.1	3.8	1.0
3899	71-00 AVERAGE	44.1	47.4	54.5	61.8	69.6	76.4	80.1	78.6	73.2	62.7	54.2	46.4	62.4
<b>SD-39</b> <b>South Dakota</b> 	STD DEV	4.6	3.5	2.9	2.2	2.2	2.0	1.8	1.6	1.6	2.9	3.3	3.9	1.0
	31-00 AVERAGE	15.8	20.9	30.9	44.7	56.6	66.3	73.2	71.2	60.7	48.5	31.9	20.5	45.1
	STD DEV	7.2	7.2	5.2	3.5	3.5	3.3	3.1	2.7	3.2	3.0	4.4	5.5	1.7
	31-60 AVERAGE	16.1	19.3	29.5	44.6	56.6	66.2	74.1	71.8	61.4	49.2	32.2	21.7	45.2
	STD DEV	7.6	7.5	5.2	3.9	4.2	3.9	3.4	2.6	3.2	3.4	4.3	4.6	1.7
	41-70 AVERAGE	15.3	20.1	29.0	44.6	55.9	65.3	72.6	71.2	60.0	49.1	32.4	20.7	44.7
	STD DEV	6.2	5.0	6.1	3.9	3.1	3.2	2.5	2.5	3.1	3.5	4.0	5.0	1.3
	51-80 AVERAGE	13.7	20.2	29.6	44.4	56.4	66.3	72.9	71.0	60.2	48.6	32.0	20.2	44.6
	STD DEV	5.8	6.2	5.6	3.4	2.7	3.0	2.7	2.5	3.2	3.4	3.8	5.3	1.4
	61-90 AVERAGE	15.3	20.9	31.6	45.2	56.7	66.7	73.2	70.9	60.0	48.1	32.1	18.9	45.0
	STD DEV	7.4	6.3	5.1	3.4	3.0	2.8	2.4	2.7	3.2	2.9	4.1	5.8	1.6
3999	71-00 AVERAGE	16.1	22.5	32.6	45.0	56.8	66.5	72.5	70.8	60.4	47.7	31.2	19.8	45.2
<b>TN-40</b> <b>Tennessee</b> 	STD DEV	7.3	7.6	4.1	3.5	3.0	2.8	2.9	2.8	2.8	1.8	5.0	6.5	1.8
	31-00 AVERAGE	37.4	40.6	48.4	57.8	66.2	74.1	77.4	76.3	70.0	58.9	47.9	39.9	57.9
	STD DEV	5.3	4.5	4.2	2.6	2.7	2.1	1.9	2.0	2.5	3.0	3.0	4.3	1.2
	31-60 AVERAGE	39.4	41.4	48.1	58.1	66.9	75.0	78.0	77.1	70.9	59.9	47.5	40.4	58.6
	STD DEV	5.3	4.7	4.9	2.4	2.4	2.3	1.8	1.9	2.6	2.9	2.9	4.2	1.0
	41-70 AVERAGE	37.8	40.4	47.7	58.6	66.7	74.3	77.2	76.2	69.9	59.2	47.4	39.5	57.9
	STD DEV	4.6	4.9	4.7	2.7	2.7	2.4	2.0	2.0	2.4	3.1	2.6	4.0	1.1
	51-80 AVERAGE	36.3	39.6	47.8	58.2	66.1	73.5	77.0	76.0	70.0	58.2	47.4	39.6	57.5
	STD DEV	5.0	5.1	4.3	2.5	2.8	2.3	1.9	1.9	2.6	3.0	2.7	3.9	1.1
	61-90 AVERAGE	35.1	39.2	48.7	57.7	65.6	73.3	76.8	75.6	69.4	58.0	48.4	39.3	57.3
	STD DEV	5.0	4.5	3.6	2.6	2.8	1.6	1.8	1.8	2.5	3.3	3.0	4.5	0.9
4099	71-00 AVERAGE	36.3	40.6	49.0	57.2	65.5	73.5	77.3	75.9	69.5	58.1	48.3	39.8	57.6
<b>TX-41</b> <b>Texas</b> 	STD DEV	5.2	4.2	3.3	2.6	2.9	1.8	1.8	2.0	2.3	3.1	3.3	4.4	1.1
	31-00 AVERAGE	46.0	50.1	56.9	65.2	72.6	79.6	82.5	81.9	75.8	66.4	55.0	47.9	65.0
	STD DEV	3.6	3.5	3.2	2.4	1.9	1.8	1.6	1.7	2.1	2.4	2.8	3.0	0.9
	31-60 AVERAGE	46.8	50.4	56.5	65.0	72.5	80.2	82.7	82.5	76.2	67.0	54.7	48.4	65.2
	STD DEV	3.6	3.4	3.5	2.2	1.6	1.7	1.3	1.5	1.9	2.6	2.5	2.6	0.9
	41-70 AVERAGE	45.9	49.9	55.9	65.6	72.6	79.7	82.6	82.3	75.8	66.4	55.1	48.1	65.0
	STD DEV	3.5	3.5	3.5	2.5	1.5	1.6	1.5	1.6	1.6	2.5	2.5	2.8	0.9
	51-80 AVERAGE	45.4	49.4	56.6	65.5	72.4	79.7	82.6	81.7	75.7	66.0	54.6	47.9	64.8
	STD DEV	3.9	3.8	3.5	2.5	1.8	1.8	2.0	2.0	2.3	2.6	3.0	2.7	1.0
	61-90 AVERAGE	44.7	49.0	57.0	65.6	72.4	79.0	82.2	81.4	75.3	65.8	55.5	47.2	64.6
	STD DEV	3.7	3.4	3.2	2.5	1.7	1.6	1.8	1.7	2.1	2.3	3.0	3.4	0.8
4199	71-00 AVERAGE	45.6	50.3	57.7	64.8	72.6	79.4	82.3	81.4	75.5	66.0	55.1	47.3	64.8
<b>UT-42</b> <b>Utah</b> 	STD DEV	3.7	3.5	2.3	2.3	2.3	1.9	1.8	1.8	2.3	1.9	3.2	3.2	1.0
	31-00 AVERAGE	25.0	30.6	38.1	46.6	55.9	64.8	72.4	70.3	61.5	49.8	36.3	27.5	48.2
	STD DEV	4.9	4.7	3.4	3.1	2.7	2.7	1.6	1.6	2.2	2.5	3.2	3.6	1.2
	31-60 AVERAGE	24.2	29.3	37.2	46.9	55.8	64.3	72.2	70.1	61.8	50.1	35.8	28.0	48.0
	STD DEV	5.4	5.5	3.0	2.8	2.9	2.5	1.4	1.2	1.8	2.3	3.3	3.9	1.2
	41-70 AVERAGE	24.7	30.2	36.6	46.1	55.7	63.7	72.1	69.9	61.3	50.0	36.5	27.7	47.9
	STD DEV	4.5	4.7	3.0	3.0	2.5	2.4	1.3	1.6	2.5	2.8	3.2	3.2	0.9
	51-80 AVERAGE	25.1	30.7	37.1	45.7	55.5	64.7	72.5	69.9	61.2	49.9	36.4	27.2	48.0
	STD DEV	4.3	4.2	3.3	2.6	2.7	2.4	1.1	1.7	2.5	2.5	3.0	3.6	0.9
	61-90 AVERAGE	24.7	30.8	38.1	46.2	55.6	65.2	72.6	70.2	60.9	49.6	36.9	26.7	48.1
	STD DEV	4.1	3.8	3.6	3.3	2.4	2.7	1.3	1.7	2.6	3.0	2.5	3.6	1.1
4299	71-00 AVERAGE	25.9	31.5	39.7	46.9	55.9	65.6	72.5	70.6	61.5	49.5	36.3	27.3	48.6
	STD DEV	4.7	3.9	3.2	3.4	2.5	2.7	1.8	1.7	2.1	2.4	3.2	3.6	1.3









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

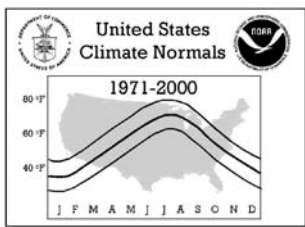
## HISTORICAL CLIMATOGRAPHY SERIES 4-1

### Temperature (°F)

### Vermont – Wyoming

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State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>VT-43</b> Vermont 	31-00 AVERAGE	16.6	18.4	28.7	41.4	53.8	63.0	67.5	65.2	57.2	46.4	35.2	22.0	43.0
	STD DEV	5.1	4.6	3.9	2.9	2.8	1.7	1.9	2.1	2.3	2.7	3.1	4.8	1.1
	31-60 AVERAGE	17.4	18.5	28.2	41.6	53.9	63.2	67.8	65.5	57.7	47.0	35.3	21.6	43.1
	STD DEV	5.3	4.7	4.6	3.1	2.7	1.7	1.9	2.4	2.1	2.4	3.5	4.6	1.2
	41-70 AVERAGE	16.4	18.2	28.7	41.8	53.3	63.1	67.5	65.0	57.6	47.4	35.8	21.4	43.0
	STD DEV	4.8	4.0	4.1	3.0	3.1	1.8	2.0	2.3	2.5	2.4	3.0	4.6	1.0
	51-80 AVERAGE	16.4	18.1	28.9	41.6	53.6	63.0	67.5	65.1	57.2	46.7	35.6	21.8	43.0
	STD DEV	4.6	4.5	3.4	2.7	3.2	1.8	2.0	2.1	2.5	2.7	3.1	4.6	1.1
	61-90 AVERAGE	15.8	18.0	29.2	41.5	53.8	62.7	67.5	65.1	57.0	46.2	35.3	21.7	42.8
	STD DEV	5.1	4.4	3.3	2.9	2.8	1.8	1.6	2.0	2.5	2.8	2.9	5.1	0.9
4399	71-00 AVERAGE	16.4	18.9	29.1	41.4	54.0	62.8	67.4	65.2	56.6	45.4	35.0	22.8	42.9
<b>VA-44</b> Virginia 	STD DEV	5.0	4.9	3.6	3.0	2.8	1.9	1.8	1.8	1.9	2.8	2.8	5.3	1.2
	31-00 AVERAGE	35.4	37.4	44.9	54.5	63.4	71.3	75.1	73.7	67.3	56.5	46.4	37.7	55.3
	STD DEV	4.9	4.0	3.7	2.3	2.4	1.9	1.7	1.6	2.2	2.7	2.8	4.0	1.0
	31-60 AVERAGE	37.1	38.1	44.5	54.7	64.2	72.0	75.4	74.0	67.9	57.3	46.3	37.7	55.7
	STD DEV	5.1	4.2	4.6	2.4	2.1	1.9	1.6	1.5	2.2	2.4	2.5	4.0	0.9
	41-70 AVERAGE	35.6	37.2	44.5	55.1	64.0	71.4	75.0	73.6	67.3	57.1	46.3	36.9	55.3
	STD DEV	4.3	3.8	4.3	2.4	2.6	1.8	1.5	1.5	2.2	2.6	2.2	3.9	1.0
	51-80 AVERAGE	34.5	36.5	44.7	54.9	63.3	70.7	74.8	73.8	67.4	56.2	46.2	37.5	55.0
	STD DEV	4.3	4.3	3.6	2.3	2.6	2.0	1.5	1.4	2.2	2.7	2.5	3.9	1.0
	61-90 AVERAGE	33.4	36.2	45.3	54.1	62.9	70.7	74.6	73.4	66.9	55.9	46.8	37.5	54.8
	STD DEV	4.5	3.9	3.0	2.2	2.3	1.8	1.5	1.6	2.2	3.1	2.7	4.2	0.9
4499	71-00 AVERAGE	34.5	37.6	45.4	54.3	62.7	70.8	75.1	73.5	67.0	55.8	46.6	38.1	55.1
<b>WA-45</b> Washington 	STD DEV	4.7	4.0	2.9	2.2	2.3	2.0	1.8	1.8	1.9	3.0	3.2	4.2	1.0
	31-00 AVERAGE	30.4	35.0	40.6	47.1	54.1	60.0	65.7	65.1	58.7	48.7	38.3	32.4	48.0
	STD DEV	5.0	3.8	2.6	2.4	2.4	2.3	2.1	2.2	2.5	2.0	3.1	3.2	1.2
	31-60 AVERAGE	29.3	33.6	39.8	47.3	54.4	59.6	65.7	64.4	58.6	49.1	38.0	33.0	47.7
	STD DEV	6.0	4.2	2.8	2.6	2.7	2.1	2.0	1.8	2.1	2.3	3.0	2.9	1.4
	41-70 AVERAGE	29.3	35.1	39.5	46.4	53.8	59.6	65.6	64.4	58.5	48.6	38.3	32.5	47.6
	STD DEV	5.5	3.4	2.4	2.3	2.5	2.4	2.1	2.3	2.4	2.3	2.7	2.8	1.2
	51-80 AVERAGE	29.8	35.5	39.5	46.1	53.5	59.8	65.5	64.6	58.4	48.5	38.1	32.7	47.7
	STD DEV	4.4	3.1	2.3	2.2	2.3	2.6	2.0	2.6	2.6	1.8	2.7	3.1	1.0
	61-90 AVERAGE	30.8	35.8	40.9	46.6	53.5	60.3	65.5	65.4	58.3	48.4	38.4	31.6	48.0
	STD DEV	4.2	3.1	2.3	2.4	1.8	2.5	1.9	2.5	2.9	2.0	3.2	3.7	1.0
4599	71-00 AVERAGE	31.5	35.8	41.5	47.4	54.1	60.1	65.7	65.8	58.7	48.5	38.3	31.7	48.3
<b>WV-46</b> West Virginia 	STD DEV	4.0	3.3	2.4	2.3	2.3	2.4	2.3	2.2	2.7	1.8	3.5	3.6	1.2
	31-00 AVERAGE	31.2	33.3	41.1	51.2	60.4	68.4	72.1	70.7	64.3	53.4	42.8	33.9	51.9
	STD DEV	5.5	4.6	4.2	2.6	2.8	2.1	1.8	1.9	2.3	2.9	3.1	4.5	1.1
	31-60 AVERAGE	33.2	34.0	40.5	51.4	61.1	69.2	72.6	71.1	64.9	54.2	42.4	33.9	52.4
	STD DEV	5.7	4.7	5.0	2.8	2.3	2.3	1.9	1.7	2.3	2.7	2.8	4.3	1.0
	41-70 AVERAGE	31.3	33.0	40.6	51.8	60.9	68.6	71.9	70.5	64.2	53.9	42.4	33.0	51.9
	STD DEV	5.0	4.5	4.7	2.9	2.9	2.1	1.8	1.8	2.4	2.9	2.5	4.3	1.1
	51-80 AVERAGE	29.8	32.1	40.9	51.3	60.3	67.7	71.6	70.6	64.4	52.9	42.4	33.7	51.5
	STD DEV	4.9	5.0	4.1	2.6	2.9	2.2	1.6	1.7	2.5	2.9	2.7	4.4	1.1
	61-90 AVERAGE	29.0	31.9	41.9	50.8	60.0	67.6	71.6	70.4	64.0	52.8	43.3	33.7	51.4
	STD DEV	5.0	4.5	3.5	2.5	2.9	1.8	1.5	1.8	2.4	3.4	3.0	4.9	1.0
4699	71-00 AVERAGE	30.2	33.4	41.8	50.9	59.9	67.9	72.0	70.6	63.9	52.8	43.2	34.4	51.8
<b>WI-47</b> Wisconsin 	STD DEV	5.3	4.5	3.6	2.4	2.9	2.0	1.8	2.1	1.9	3.2	3.5	4.7	1.1
	31-00 AVERAGE	13.9	17.8	28.8	43.0	55.1	64.6	69.5	67.3	58.5	47.7	32.5	19.4	43.2
	STD DEV	5.5	5.4	4.6	3.3	3.4	2.6	2.3	2.4	2.3	3.3	3.8	5.0	1.5
	31-60 AVERAGE	15.3	17.3	27.5	42.8	55.0	65.0	70.1	68.0	59.1	48.3	32.2	19.9	43.4
	STD DEV	5.0	4.9	4.7	3.5	3.2	2.9	2.3	2.5	2.5	3.4	4.0	4.4	1.5
	41-70 AVERAGE	13.9	17.1	27.9	43.4	54.7	64.5	69.1	67.5	58.3	48.8	32.6	19.4	43.1
	STD DEV	4.8	3.8	4.8	3.4	3.2	2.5	2.1	2.5	2.0	3.4	3.6	4.2	1.2
	51-80 AVERAGE	12.0	16.8	27.9	43.1	55.1	64.4	69.1	66.9	58.1	47.9	32.6	19.1	42.8
	STD DEV	5.1	4.6	4.3	3.0	3.4	2.4	2.1	2.1	2.0	3.7	3.5	4.4	1.1
	61-90 AVERAGE	12.4	17.1	29.4	43.3	55.2	64.3	69.4	66.7	58.0	47.2	32.9	18.2	42.9
	STD DEV	5.9	5.3	4.5	3.2	3.6	2.4	2.0	2.1	1.9	3.6	3.0	5.2	1.3
4799	71-00 AVERAGE	13.2	19.0	30.1	43.2	55.5	64.5	69.1	66.9	58.1	46.7	32.4	19.0	43.1
<b>WY-48</b> Wyoming 	STD DEV	5.9	6.0	4.2	3.4	3.6	2.4	2.2	2.4	2.2	3.1	4.0	5.8	1.6
	31-00 AVERAGE	18.9	23.1	30.2	40.1	50.1	59.1	66.5	64.7	54.9	44.1	29.9	21.7	41.9
	STD DEV	4.9	4.7	3.8	3.2	2.7	2.8	2.0	1.9	2.8	2.7	4.0	4.2	1.2
	31-60 AVERAGE	18.6	22.1	28.9	40.1	50.1	58.8	66.8	64.8	55.3	44.7	30.0	22.9	41.9
	STD DEV	5.3	5.1	3.4	3.0	3.2	3.0	1.9	1.4	2.3	2.6	3.9	3.7	1.2
	41-70 AVERAGE	18.7	23.1	28.3	39.9	50.0	58.2	66.4	64.7	54.8	44.4	30.4	22.2	41.8
	STD DEV	4.6	4.3	3.8	3.3	2.7	2.8	1.9	1.8	3.1	3.3	3.8	3.2	1.0
	51-80 AVERAGE	18.3	23.5	29.0	39.5	50.1	59.2	66.7	64.4	54.7	44.2	29.7	21.9	41.8
	STD DEV	4.7	4.0	3.9	2.8	2.2	2.7	1.9	2.1	3.1	2.9	3.4	4.0	1.1
	61-90 AVERAGE	18.6	23.3	30.5	40.1	49.9	59.5	66.7	64.4	54.3	43.7	30.0	20.3	41.8
	STD DEV	4.8	3.9	4.0	3.4	2.2	2.8	1.7	2.2	3.2	3.1	3.5	4.6	1.2
4899	71-00 AVERAGE	19.2	23.7	32.1	40.4	50.0	59.6	66.3	64.7	54.7	43.4	29.2	20.7	42.0
	STD DEV	4.7	4.5	3.1	3.3	2.4	2.8	2.2	2.1	2.6	2.0	4.2	4.8	1.3









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

## HISTORICAL CLIMATOGRAPHY SERIES 4-1

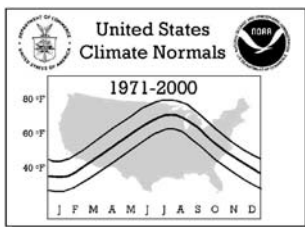
### Temperature (°F)

### Alaska – Hawaii – Territories – NCDC Regions Page 14

State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>AK-50</b> <b>Alaska</b> 	31-00 AVERAGE	0.7	3.5	10.2	23.9	38.9	49.8	54.0	51.2	42.6	27.2	11.9	2.9	26.4
	STD DEV	7.3	6.8	5.0	3.8	2.5	1.8	1.6	2.0	2.3	3.6	5.2	6.1	1.7
	31-60 AVERAGE	0.2	3.9	9.6	24.3	38.6	49.7	53.5	50.9	42.5	28.7	12.6	2.2	26.4
	STD DEV	7.5	6.5	4.4	3.5	2.2	2.1	1.5	1.6	1.7	3.3	5.6	6.0	1.7
	41-70 AVERAGE	0.6	3.9	9.7	23.3	38.6	49.5	53.5	50.9	42.6	27.5	12.3	1.5	26.2
	STD DEV	6.6	6.5	5.7	3.3	2.6	2.1	1.5	1.8	1.8	3.5	5.4	6.7	1.7
	51-80 AVERAGE	-0.2	2.2	8.8	22.9	38.5	49.2	53.6	51.3	42.5	26.7	12.3	0.9	25.7
	STD DEV	6.9	6.6	5.9	3.6	2.5	1.8	1.4	2.2	1.8	3.4	5.6	6.4	1.8
	61-90 AVERAGE	1.4	2.6	10.4	22.8	38.8	49.6	54.2	51.4	42.7	26.4	11.1	3.4	26.2
	STD DEV	8.1	7.4	5.7	4.1	2.7	1.6	1.6	2.3	2.0	3.3	5.1	6.8	1.7
5099	71-00 AVERAGE	1.1	3.1	10.7	23.9	39.5	50.3	54.9	51.8	42.6	26.2	11.2	3.9	26.6
	STD DEV	7.8	7.6	4.9	4.4	2.5	1.3	1.5	2.1	2.8	3.4	5.1	5.9	1.8
<b>HI-51</b> <b>Hawaii</b> 	61-00 AVERAGE	66.8	66.8	67.4	68.4	69.7	71.3	72.1	72.7	72.6	72.0	70.1	68.0	69.8
	STD DEV	1.1	1.2	1.0	0.9	0.9	0.8	0.8	0.8	0.9	0.9	1.0	1.0	0.7
	61-90 AVERAGE	67.0	66.9	67.5	68.4	69.8	71.3	72.1	72.7	72.7	72.0	70.2	68.1	69.9
	STD DEV	1.1	1.2	1.1	0.9	0.9	0.7	0.8	0.9	0.9	0.9	1.0	1.0	0.7
	71-00 AVERAGE	67.0	67.0	67.7	68.5	69.7	71.4	72.3	73.0	72.9	72.2	70.4	68.2	70.0
	STD DEV	1.1	1.0	1.0	0.9	1.0	0.8	0.8	0.7	0.8	0.8	0.9	0.9	0.7
5199														
<b>PR-66</b> <b>Puerto Rico</b> 	31-00 AVERAGE	73.2	73.1	74.0	75.4	77.1	78.5	78.8	79.0	78.7	78.0	76.5	74.4	76.4
	STD DEV	0.9	0.9	1.1	1.0	0.9	0.7	0.6	0.5	0.6	0.7	0.7	1.0	0.6
	31-60 AVERAGE	73.1	72.9	73.9	75.4	77.1	78.3	78.7	79.0	78.7	77.9	76.5	74.5	76.3
	STD DEV	0.9	0.9	1.3	1.1	1.0	0.7	0.6	0.4	0.5	0.6	0.7	0.7	0.6
	41-70 AVERAGE	73.2	73.2	74.1	75.6	77.1	78.4	78.8	79.0	78.7	78.0	76.5	74.5	76.4
	STD DEV	0.9	1.0	1.3	1.0	0.9	0.7	0.6	0.4	0.5	0.6	0.7	0.9	0.6
	51-80 AVERAGE	73.1	73.1	74.0	75.5	77.1	78.4	78.7	78.8	78.6	77.9	76.4	74.2	76.3
	STD DEV	0.9	1.0	1.3	1.0	0.8	0.6	0.6	0.5	0.6	0.7	0.7	1.0	0.6
	61-90 AVERAGE	73.2	73.2	74.0	75.4	77.0	78.5	78.8	78.9	78.6	77.9	76.3	74.2	76.3
	STD DEV	0.9	0.9	1.1	1.0	0.9	0.7	0.6	0.6	0.7	0.8	0.8	1.0	0.6
6699	71-00 AVERAGE	73.1	73.1	73.8	75.3	77.0	78.6	78.8	78.9	78.6	77.9	76.4	74.1	76.3
	STD DEV	0.8	0.8	0.9	0.8	0.9	0.7	0.6	0.6	0.7	0.7	0.8	1.1	0.6
<b>VI-67</b> <b>Virgin Islands</b> 	31-00 AVERAGE	76.7	76.6	77.3	78.5	79.9	81.5	82.0	82.2	81.6	81.0	79.5	77.7	79.5
	STD DEV	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.7	0.8	0.8	0.9	1.0	0.5
	31-60 AVERAGE	76.6	76.4	77.3	78.5	79.9	81.4	82.0	82.2	81.6	81.0	79.6	77.9	79.5
	STD DEV	0.8	0.9	0.9	0.9	0.8	0.8	1.0	0.8	0.8	0.8	0.8	0.8	0.5
	41-70 AVERAGE	76.8	76.8	77.5	78.7	79.8	81.4	81.9	82.1	81.6	81.1	79.6	77.9	79.6
	STD DEV	0.8	0.8	0.9	1.0	0.8	0.8	0.9	0.8	0.7	0.9	0.9	0.9	0.5
	51-80 AVERAGE	76.6	76.6	77.2	78.4	79.8	81.4	81.8	81.9	81.4	80.9	79.3	77.5	79.4
	STD DEV	0.8	0.7	0.9	1.0	0.8	0.7	0.8	0.6	0.8	0.8	0.9	1.0	0.5
	61-90 AVERAGE	76.6	76.7	77.2	78.4	79.7	81.3	82.0	82.0	81.5	80.9	79.2	77.4	79.4
	STD DEV	0.8	0.7	0.9	1.0	0.8	0.7	0.5	0.7	0.8	0.9	1.0	1.0	0.5
6799	71-00 AVERAGE	76.6	76.6	77.1	78.5	80.1	81.7	82.2	82.2	81.6	81.0	79.2	77.4	79.5
	STD DEV	0.9	0.8	0.9	0.8	1.0	0.8	0.5	0.8	0.9	0.8	1.0	1.1	0.6
<b>PI-91</b> <b>Pacific Islands</b> 	61-00 AVERAGE	64.2	64.2	64.8	65.6	66.5	67.5	67.6	67.7	67.8	67.3	66.3	65.1	66.2
	STD DEV	0.6	0.6	0.7	0.8	0.7	0.8	0.8	0.7	0.8	0.6	0.6	0.6	0.6
	61-90 AVERAGE	64.1	64.0	64.6	65.3	66.3	67.2	67.3	67.4	67.6	67.2	66.2	64.9	66.0
	STD DEV	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.5	0.5	0.5
	71-00 AVERAGE	64.4	64.4	65.0	65.8	66.8	67.7	67.9	68.0	68.1	67.6	66.5	65.3	66.4
	STD DEV	0.6	0.6	0.7	0.8	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.6	0.5
9199														
<b>NCDC Region-01</b> <b>Northeast</b> 	31-00 AVERAGE	22.5	24.0	33.1	44.6	55.9	64.9	69.7	67.8	60.2	49.4	38.6	27.0	46.5
	STD DEV	4.6	4.1	3.5	2.4	2.5	1.7	1.6	1.9	2.0	2.6	2.7	4.1	1.0
	31-60 AVERAGE	23.8	24.3	32.7	44.8	56.2	65.3	70.1	68.1	60.7	50.2	38.6	26.8	46.8
	STD DEV	4.7	4.0	4.1	2.7	2.3	1.7	1.7	2.0	1.9	2.3	2.9	3.8	1.0
	41-70 AVERAGE	22.5	23.9	33.0	45.0	55.6	65.0	69.6	67.5	60.5	50.3	38.9	26.3	46.5
	STD DEV	4.2	3.4	3.7	2.6	2.7	1.7	1.7	1.9	2.2	2.4	2.3	3.8	1.0
	51-80 AVERAGE	21.9	23.5	33.0	44.7	55.5	64.7	69.3	67.5	60.1	49.4	38.7	26.6	46.3
	STD DEV	4.0	4.1	3.1	2.3	2.6	1.7	1.7	1.7	2.2	2.7	2.6	3.9	1.0
	61-90 AVERAGE	21.1	23.3	33.4	44.4	55.5	64.4	69.3	67.4	59.8	49.0	38.7	26.6	46.1
	STD DEV	4.4	3.9	3.0	2.3	2.5	1.6	1.2	1.7	2.1	2.8	2.5	4.3	0.8
5601	71-00 AVERAGE	21.9	24.4	33.6	44.7	55.9	64.7	69.5	67.7	59.7	48.6	38.6	27.6	46.4
	STD DEV	4.6	4.3	3.2	2.3	2.4	1.8	1.5	1.7	1.6	2.6	2.7	4.6	1.1













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

## HISTORICAL CLIMATOGRAPHY SERIES 4-1

### Temperature (°F)

### NCDC Regions – Census Regions

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State/Region	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
<b>NCDC Region-08</b> <b>Northwest</b>  5608	31-00 AVERAGE	28.3	32.9	38.5	45.4	52.8	59.4	66.1	65.0	57.7	48.0	36.8	30.3	46.8
	STD DEV	4.6	3.8	2.8	2.6	2.5	2.2	1.9	2.1	2.5	2.2	3.0	3.3	1.2
	31-60 AVERAGE	27.3	31.6	37.6	45.6	53.0	58.9	66.2	64.4	57.8	48.4	36.6	31.0	46.5
	STD DEV	5.4	3.9	2.8	2.4	2.8	2.1	1.5	1.6	2.0	2.3	3.1	3.1	1.2
	41-70 AVERAGE	27.4	32.9	37.2	44.7	52.5	58.7	65.9	64.4	57.6	47.8	37.0	30.6	46.4
	STD DEV	4.8	3.5	2.4	2.4	2.5	2.2	1.6	2.1	2.6	2.5	2.6	2.6	1.0
	51-80 AVERAGE	28.1	33.4	37.3	44.3	52.3	59.3	66.1	64.5	57.5	47.8	36.8	30.6	46.5
	STD DEV	4.0	3.3	2.5	2.4	2.3	2.3	1.5	2.4	2.7	2.0	2.5	2.8	0.9
	61-90 AVERAGE	28.5	33.5	38.6	44.9	52.3	59.9	65.9	65.2	57.3	47.7	37.0	29.4	46.7
	STD DEV	3.6	3.3	2.6	2.9	1.8	2.3	1.8	2.4	3.0	2.3	2.8	3.6	1.0
	71-00 AVERAGE	29.3	33.6	39.6	45.7	52.8	59.7	66.0	65.5	57.8	47.8	36.7	29.6	47.0
	STD DEV	3.8	3.5	2.6	2.7	2.3	2.3	2.3	2.2	2.7	2.0	3.3	3.6	1.2
	31-00 AVERAGE	38.3	42.2	46.5	52.5	59.8	67.3	73.9	72.6	66.5	57.0	46.1	39.3	55.2
	STD DEV	3.6	3.3	2.9	3.1	2.7	2.4	1.7	1.7	2.0	2.4	2.6	2.9	1.0
<b>NCDC Region-09</b> <b>West</b>  5609	31-60 AVERAGE	37.5	41.0	46.1	52.9	59.7	66.9	74.1	72.4	66.7	56.9	46.1	39.9	55.0
	STD DEV	4.5	3.5	3.0	2.5	2.7	2.2	1.6	1.6	1.8	2.2	2.8	2.8	1.0
	41-70 AVERAGE	37.8	41.8	45.4	51.9	59.3	66.4	73.7	72.1	66.4	56.9	46.2	39.3	54.8
	STD DEV	3.5	3.5	2.4	3.1	2.4	2.4	1.6	1.8	2.1	2.4	2.5	2.5	0.8
	51-80 AVERAGE	38.1	42.4	45.6	51.4	59.2	67.2	73.9	72.1	66.3	57.0	46.0	39.1	54.8
	STD DEV	2.8	3.0	2.6	3.1	2.7	2.4	1.4	1.9	2.1	2.4	2.1	2.9	0.7
	61-90 AVERAGE	38.4	42.7	46.3	51.9	59.6	67.7	73.8	72.4	65.9	56.9	46.0	38.7	55.0
	STD DEV	2.6	2.8	2.7	3.7	2.4	2.5	1.6	1.8	2.4	2.6	2.1	3.0	0.9
	71-00 AVERAGE	39.1	43.1	47.4	52.7	60.1	68.0	73.9	72.8	66.5	57.0	45.9	39.2	55.5
	STD DEV	2.8	2.6	2.8	3.3	2.9	2.3	1.7	1.7	2.2	2.5	2.6	3.0	1.0
	31-00 AVERAGE	17.9	19.7	29.5	41.3	53.1	62.5	67.6	65.6	57.4	46.8	35.9	23.0	43.4
	STD DEV	4.4	4.0	3.4	2.3	2.4	1.6	1.8	2.0	2.0	2.4	2.7	4.3	1.1
	31-60 AVERAGE	18.9	20.0	29.2	41.5	53.4	62.5	67.9	65.9	58.0	47.5	36.1	22.8	43.7
	STD DEV	4.5	4.1	3.9	2.6	2.3	1.7	1.8	2.2	1.8	2.2	3.0	4.2	1.1
<b>Census Region-01</b> <b>New England</b>  5801	41-70 AVERAGE	18.0	19.7	29.5	41.5	52.7	62.4	67.6	65.3	57.7	47.7	36.4	22.6	43.4
	STD DEV	4.1	3.7	3.5	2.5	2.6	1.7	2.0	2.1	2.3	2.2	2.5	4.2	1.0
	51-80 AVERAGE	17.8	19.5	29.5	41.3	52.8	62.4	67.4	65.3	57.2	46.8	36.1	22.6	43.2
	STD DEV	4.1	3.9	3.1	2.1	2.6	1.7	2.0	1.9	2.3	2.5	2.7	4.3	1.1
	61-90 AVERAGE	16.9	19.3	29.6	41.2	52.8	62.2	67.4	65.3	57.0	46.4	35.8	22.5	43.0
	STD DEV	4.3	3.8	2.9	2.3	2.3	1.5	1.5	1.9	2.2	2.5	2.6	4.6	0.9
	71-00 AVERAGE	17.2	20.1	29.8	41.4	53.3	62.4	67.6	65.6	56.9	45.9	35.7	23.6	43.3
	STD DEV	4.3	4.2	3.2	2.3	2.3	1.7	1.6	1.6	1.8	2.4	2.5	4.8	1.1
	31-00 AVERAGE	24.3	25.6	34.3	45.8	56.8	65.8	70.3	68.4	61.1	50.3	39.5	28.4	47.6
	STD DEV	5.0	4.3	3.8	2.7	2.7	1.9	1.7	1.9	2.1	2.8	2.9	4.2	1.1
	31-60 AVERAGE	25.6	25.9	33.8	46.0	57.2	66.3	70.8	68.9	61.7	51.1	39.4	28.3	47.9
	STD DEV	5.1	4.3	4.5	3.1	2.4	2.0	1.8	2.1	2.1	2.5	3.0	3.9	1.1
	41-70 AVERAGE	24.1	25.4	34.1	46.3	56.7	66.0	70.3	68.3	61.4	51.2	39.7	27.7	47.6
	STD DEV	4.5	3.6	4.1	3.0	3.0	1.9	1.8	2.0	2.3	2.6	2.5	3.9	1.0
<b>Census Region-02</b> <b>Middle Atlantic</b>  5802	51-80 AVERAGE	23.3	24.8	34.1	46.0	56.4	65.5	69.9	68.2	61.1	50.2	39.5	28.1	47.3
	STD DEV	4.2	4.4	3.4	2.7	2.8	1.9	1.7	1.8	2.4	2.9	2.8	4.0	1.0
	61-90 AVERAGE	22.6	24.7	34.7	45.6	56.4	65.1	69.8	68.0	60.7	49.7	39.7	28.1	47.1
	STD DEV	4.7	4.2	3.2	2.5	2.8	1.8	1.4	1.7	2.3	3.0	2.7	4.5	0.9
	71-00 AVERAGE	23.7	26.0	34.9	45.8	56.8	65.4	70.0	68.2	60.6	49.4	39.5	29.0	47.4
	STD DEV	4.9	4.7	3.5	2.5	2.7	1.9	1.7	1.8	1.6	2.9	3.0	4.7	1.2
	31-00 AVERAGE	22.2	25.1	34.8	47.1	58.3	67.8	72.1	70.1	62.5	51.5	38.1	26.7	48.0
	STD DEV	5.0	4.7	4.2	2.9	3.2	2.3	2.0	2.3	2.2	3.0	3.2	4.5	1.3
	31-60 AVERAGE	23.9	25.3	34.0	47.0	58.2	68.2	72.6	70.9	63.1	52.2	37.7	27.1	48.3
	STD DEV	4.5	4.3	4.8	3.1	2.9	2.6	2.1	2.2	2.4	2.9	3.4	4.1	1.2
	41-70 AVERAGE	22.3	24.8	34.1	47.6	58.0	67.7	71.7	70.1	62.4	52.3	38.0	26.5	48.0
	STD DEV	4.2	3.5	4.6	3.0	3.2	2.2	1.9	2.3	2.0	3.1	3.0	4.1	1.1
	51-80 AVERAGE	20.7	24.1	34.1	47.4	58.2	67.5	71.6	69.7	62.4	51.4	38.1	26.5	47.7
	STD DEV	4.7	4.6	4.0	2.7	3.3	2.2	1.8	1.9	2.1	3.4	3.0	3.9	1.1
<b>Census Region-03</b> <b>East North Central</b>  5803	61-90 AVERAGE	20.4	23.9	35.3	47.3	58.2	67.3	71.8	69.5	62.1	50.9	38.6	26.0	47.6
	STD DEV	5.3	4.7	3.9	2.7	3.5	2.0	1.7	2.0	2.0	3.4	2.6	4.8	1.1
	71-00 AVERAGE	21.2	25.6	35.8	47.2	58.4	67.5	71.8	69.7	62.0	50.6	38.3	26.7	47.9
	STD DEV	5.3	5.4	3.8	2.8	3.4	2.2	1.9	2.3	2.1	3.0	3.3	5.2	1.4
	31-00 AVERAGE	18.6	23.8	34.0	47.4	58.9	68.4	74.0	72.0	62.4	50.9	34.9	23.3	47.4
	STD DEV	5.8	5.9	4.7	3.0	3.0	2.6	2.4	2.4	2.6	2.9	3.6	4.7	1.4
	31-60 AVERAGE	19.3	22.9	32.8	47.2	58.8	68.6	74.7	72.7	63.2	51.6	34.9	24.3	47.6
	STD DEV	5.7	5.9	4.7	3.2	3.3	3.1	2.7	2.3	2.7	3.1	3.6	3.9	1.5
	41-70 AVERAGE	18.4	23.2	32.3	47.4	58.4	67.9	73.5	72.0	62.0	51.5	35.3	23.4	47.1
	STD DEV	4.6	4.0	5.3	3.3	2.9	2.6	2.1	2.2	2.4	3.2	3.2	4.1	1.1
	51-80 AVERAGE	16.8	23.1	32.8	47.3	58.8	68.4	73.8	71.7	62.1	50.9	35.1	23.2	47.0
	STD DEV	4.9	5.2	4.9	2.9	2.6	2.4	2.3	1.9	2.4	3.3	3.1	4.2	1.2
	61-90 AVERAGE	17.8	23.4	34.6	47.8	58.9	68.5	73.9	71.4	61.8	50.4	35.3	22.0	47.1
	STD DEV	6.2	5.4	4.7	3.0	2.9	2.4	1.9	2.2	2.3	2.9	3.1	5.0	1.3
<b>Census Region-04</b> <b>West North Central</b>  5804	71-00 AVERAGE	18.6	25.0	35.5	47.7	59.0	68.5	73.5	71.6	62.1	50.0	34.5	22.8	47.4
	STD DEV	6.1	6.5	3.7	3.1	2.8	2.3	2.1	2.4	2.4	2.1	4.1	5.5	1.5



