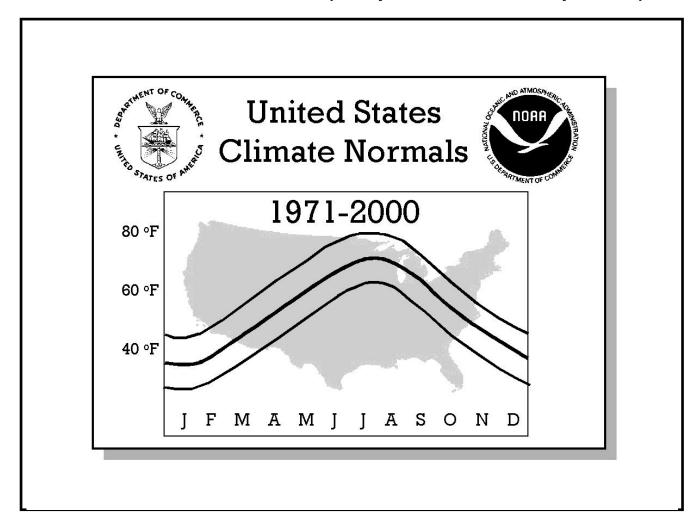


State, Regional, And National Monthly Heating Degree Days

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





Heating Degree Days

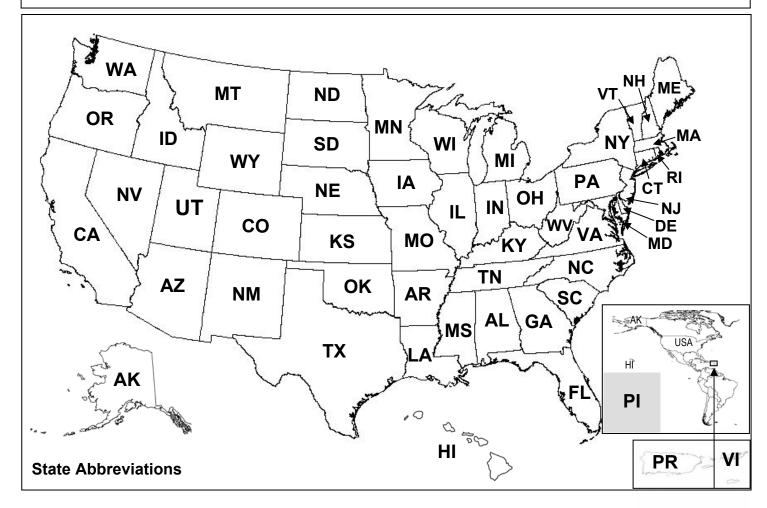
Page 2

Historical Climatography Series: Normals (Present Series Highlighted):

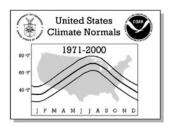
HCS 4-1: Area-Weighted Temperature HCS 5-1: Population-Weighted Heating Degree Days

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

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



| | | State Identification | Codes | (Code/State Name/Abbrevia | ation) | | |
|----------------|----|----------------------|-------|---------------------------|--------|--------------------|----|
| 01 Alabama | AL | 16 Louisiana | LA | 31 North Carolina | NC | 46 West Virginia | WV |
| 02 Arizona | AZ | 17 Maine | ME | 32 North Dakota | ND | 47 Wisconsin | WI |
| 03 Arkansas | AR | 18 Maryland | MD | 33 Ohio | OH | 48 Wyoming | WY |
| 04 California | CA | 19 Massachusetts | MA | 34 Oklahoma | OK | 50 Alaska | AK |
| 05 Colorado | CO | 20 Michigan | MI | 35 Oregon | OR | 51 Hawaii | HI |
| 06 Connecticut | CT | 21 Minnesota | MN | 36 Pennsylvania | PA | 66 Puerto Rico | PR |
| 07 Delaware | DE | 22 Mississippi | MS | 37 Rhode Island | RI | 67 Virgin Islands | VI |
| 08 Florida | 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 | | |



Heating Degree Days

NOTES Page 3

Product Description:

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

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

Abbreviations:

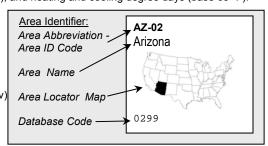
AVERAGE = Mean of Element for all Months (or Annual Values) for the Given Period of Record. STD DEV = Standard Deviation for all Months (or Annual Values) for the Given Period of Record.

31-00 = 1931 through 2000 Long-Term Period of Record. WIN = Winter Season (Dec-Feb) **31-60** = 1931 through 1960 Normal Period of Record. **SPR** = Spring Season (Mar-May)

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

51-80 = 1951 through 1980 Normal Period of Record. AUT = Autumn (Fall) Season (Sep-Nov) **61-90** = 1961 through 1990 Normal Period of Record. **Temp** = Temperature (deg F) 71-00 = 1971 through 2000 Normal Period of Record.

Prcp = Precipitation (inches)



Computational Procedures:

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

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

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

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

Database Codes:

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

U.S. Census Regions: 01=New England, 02=Middle Atlantic, 03=East North Central, 04=West North Central, 05=South Atlantic, 06=East South Central,

07=West South Central, 08=Mountain, 09=Pacific.

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

08=Northwest, 09=West.

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

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

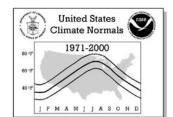
Guttman, N.B. and R.G. Quayle, 1995: "A Historical Perspective of U.S. Climate Divisions", Bulletin of the American Meteorological Society, Statistical descriptors of climate, Bulletin of the American Meteorological Society, Vol. 77, no. 2, pp. 293-303.

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

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

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

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



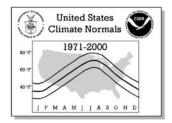
Heating Degree Days

Area and Population Weights (State in Region)

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



Heating Degree Days

Area and Population Weights (Region in Nation)

Page 5

U.S. Census Regions

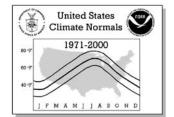
| Region | Region Name | States Within Region | Area | Census 2000 | Weights Wi | thin Nation^ |
|--------|-------------------------|--------------------------|-------------|-------------|------------|--------------|
| Code | - | - | (sq. miles) | Population | Area | Population |
| 01 | New England | CT,ME,MA,NH,RI,VT | 66,609 | 13,922,517 | 0.02204 | 0.04980 |
| 02 | Middle Atlantic | NJ,NY,PA | 102,746 | 39,671,861 | 0.03400 | 0.14190 |
| 03 | East North Central | IL,IN,MI,OH,WI | 248,280 | 45,155,037 | 0.08215 | 0.16151 |
| 04 | West North Central | IA,KS,MN,MO,NE,ND,SD | 517,245 | 19,237,739 | 0.17114 | 0.06881 |
| 05 | South Atlantic | DE,FL,GA,MD*,NC,SC,VA,WV | 278,834 | 51,769,160 | 0.09226 | 0.18517 |
| 06 | East South Central | AL,KY,MS,TN | 181,964 | 17,022,810 | 0.06021 | 0.06089 |
| 07 | West South Central | AR,LA,OK,TX | 438,886 | 31,444,850 | 0.14522 | 0.11247 |
| 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^ Area |
|----------------|-------------------------|-----------------------------------|---------------------|---------------------------|-----------------------------|
| 01 | Northeast | CT,DE,ME,MD*,MA,NH,NJ,NY,PA,RI,VT | 181,990 | 60,246,523 | 0.06022 |
| 02 | East North Central | IA,MI,MN,WI | 254,724 | 23,147,922 | 0.08428 |
| 03 | Central | IL,IN,KY,MO,OH,TN,WV | 310,417 | 46,987,525 | 0.10271 |
| 04 | Southeast | AL,FL,GA,NC,SC,VA | 293,629 | 47,755,771 | 0.09715 |
| 05 | West North Central | MT,NE,ND,SD,WY | 469,991 | 4,504,284 | 0.15551 |
| 06 | South | AR,KS,LA,MS,OK,TX | 568,865 | 36,977,926 | 0.18822 |
| 07 | Southwest | AZ,CO,NM,UT | 424,737 | 13,484,108 | 0.14053 |
| 80 | Northwest | ID,OR,WA | 248,730 | 10,609,473 | 0.08230 |
| 09 | West | CA,NV | 269,233 | 35,869,905 | 0.08908 |
| | | | | | |
| | Conterminous United Sta | ates | 3,022,316 | 279,583,437 | |

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

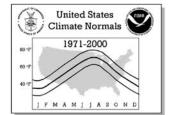
[^]Nation refers to 48 conterminous United States.



Heating Degree Days

Alabama - Connecticut

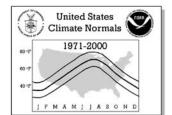
| State/Region | El | lement | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | ANNUAL |
|--|-------|--------------------|----------|----------|-----------|-----------|-------------------|------------|-------------|-------------|------------|-----------|-----------|-----------|-------------|
| AL-01 | 31-00 | AVERAGE | 0 | 0 | 13 | 140 | 368 | 586 | 650 | 496 | 359 | 135 | 34 | 2 | 2783 |
| Alabama | | STD DEV | 0 | 0 | 8 | 50 | 81 | 117 | 145 | 110 | 96 | 46 | 19 | 2 | 289 |
| | 31-60 | AVERAGE | 0 | 0 | 10 | 123 | 373 | 569 | 592 | 470 | 361 | 126 | 28 | 1 | 2652 |
| ATT IN | 41 70 | STD DEV | 0 | 0 | 6 | 48 | 77 | 114 | 148 | 119 | 112 | 37 | 17 | 2 | 273 |
| ATHEM A | 41-70 | AVERAGE STD DEV | 0 | 0 | 13 | 137 50 | 382 73 | 598 107 | 643 131 | 498 129 | 378 107 | 120 45 | 29 17 | 2 2 | 2800 289 |
| | E1 00 | AVERAGE | 0 | 0 | 14 | 156 | 7 <i>3</i> 387 | 598 | 683 | 525 | 375 | 45 128 | 36 | 2 | 289 |
| | 31-00 | STD DEV | 0 | 1 | 10 | 51 | 78 | 105 | 140 | 126 | 99 | 42 | 22 | 2 | 277 |
| | 61-90 | AVERAGE | 0 | 0 | 16 | 157 | 358 | 601 | 714 | 534 | 358 | 139 | 39 | 2 | 2919 |
| Server O | | STD DEV | 0 | 1 | 10 | 53 | 86 | 124 | 136 | 105 | 85 | 49 | 20 | 2 | 268 |
| | 71-00 | AVERAGE | 0 | 0 | 15 | 153 | 358 | 591 | 680 | 503 | 346 | 151 | 40 | 2 | 2840 |
| 0199 | | STD DEV | 0 | 0 | 8 | 52 | 89 | 120 | 138 | 90 | 79 | 48 | 21 | 2 | 269 |
| AZ-02 | 31-00 | AVERAGE | 0 | 0 | 7 | 75 | 293 | 492 | 523 | 377 | 294 | 140 | 41 | 5 | 2248 |
| Arizona | | STD DEV | 0 | 1 | 3 | 27 | 67 | 73 | 85 | 83 | 72 | 49 | 18 | 3 | 231 |
| | 31-60 | AVERAGE | 0 | 1 | 6 | 75 | 301 | 486 | 548 | 402 | 300 | 136 | 42 | 6 | 2301 |
| KT III | 41 70 | STD DEV | 0 | 1 | 2 | 25 | 71 | 75 | 97 | 92 | 67 | 46 | 21 | 3 | 224 |
| AL-HOR IN | 41-70 | AVERAGE STD DEV | 0 | 1 1 | 6 | 75 29 | 291 71 | 499 68 | 538 80 | 393 92 | 320 67 | 147 50 | 42 17 | 6 3 | 2319 201 |
| | 51-80 | AVERAGE | 0 | 1 | 7 | 76 | 296 | 505 | 531 | 388 | 317 | 157 | 47 | 5 5 | 2329 |
| N THE | 31 00 | STD DEV | 0 | 1 | 3 | 28 | 59 | 80 | 72 | 86 | 77 | 44 | 19 | 3 | 186 |
| The Thirty | 61-90 | AVERAGE | 0 | 0 | 8 | 79 | 287 | 507 | 521 | 371 | 302 | 147 | 43 | 5 | 2270 |
| 1 | | STD DEV | 0 | 1 | 4 | 30 | 53 | 76 | 72 | 67 | 77 | 54 | 16 | 3 | 216 |
| | 71-00 | AVERAGE | 0 | 0 | 7 | 76 | 290 | 490 | 492 | 349 | 275 | 137 | 40 | 4 | 2160 |
| 0299 | | STD DEV | 0 | 0 | 3 | 27 | 64 | 74 | 67 | 61 | 74 | 52 | 17 | 2 | 233 |
| AR-03 | 31-00 | AVERAGE | 0 | 2 | 23 | 162 | 459 | 725 | 806 | 613 | 455 | 175 | 46 | 3 | 3469 |
| Arkansas | 21 55 | STD DEV | 0 | 2 | 14 | 53 | 86 | 120 | 136 | 114 | 111 | 54 | 23 | 3 | 282 |
| | 31-60 | AVERAGE | 0 | 1 | 19 | 149 | 470 | 704 | 760 | 604 | 470 | 174 | 44 | 2 | 3399 |
| KT IN | 11 70 | STD DEV | 0 | 2 2 | 12 | 52 150 | 80 460 | 111 | 129 | 114 | 125 | 50 164 | 22 | 2 | 285 |
| AT-HOM IN | 41-70 | AVERAGE STD DEV | 0 | 2 | 23 | 159 55 | 460 76 | 726 109 | 795 109 | 621 104 | 488 124 | 164 55 | 42 21 | 3 2 | 3482 248 |
| FOR THE PROPERTY OF THE PARTY O | 51-80 | AVERAGE | 0 | 2 | 24 | 171 | 468 | 725 | 833 | 635 | 474 | 170 | 44 | 3 | 3549 |
| WITTER STOP | 31 00 | STD DEV | 0 | 2 | 17 | 59 | 87 | 94 | 140 | 121 | 123 | 53 | 25 | 3 | 262 |
| The Later of the l | 61-90 | AVERAGE | 0 | 2 | 26 | 175 | 441 | 745 | 857 | 644 | 445 | 169 | 47 | 4 | 3557 |
| 1 | | STD DEV | 0 | 2 | 16 | 57 | 84 | 129 | 143 | 117 | 106 | 57 | 25 | 3 | 260 |
| | 71-00 | AVERAGE | 0 | 2 | 26 | 173 | 455 | 739 | 836 | 608 | 432 | 182 | 49 | 4 | 3505 |
| 0399 | | STD DEV | 0 | 3 | 16 | 51 | 95 | 133 | 141 | 123 | 85 | 57 | 26 | 3 | 293 |
| CA-04 | 31-00 | AVERAGE | 12 | 11 | 33 | 127 | 319 | 486 | 514 | 401 | 378 | 262 | 156 | 62 | 2762 |
| California | 21 60 | STD DEV | 7 | 6 | 16 | 38 | 63 | 71 | 84 | 71 | 75 | 67 | 47 | 25 | 269 |
| | 31-60 | AVERAGE | 13 7 | 15 6 | 35 15 | 136 35 | 318 | 479 72 | 543 | 432 69 | 389 80 | 263 52 | 160 | 68 24 | 2853 271 |
| KITTE 1 | 41_70 | STD DEV AVERAGE | 14 | 6 14 | 34 | 35 134 | 67 320 | 493 | 103 534 | 69 416 | 405 | 280 | 46 169 | 73 | 2886 |
| TI-FILE TR | 11-70 | STD DEV | 8 | 7 | 15 | 39 | 320 61 | 64 | 83 | 77 | 64 | 68 | 38 | 26 | 218 |
| | 51-80 | AVERAGE | 12 | 12 | 33 | 127 | 323 | 490 | 520 | 398 | 397 | 287 | 168 | 65 | 2831 |
| * TUTA | | STD DEV | 7 | 7 | 14 | 39 | 55 | 75 | 63 | 69 | 68 | 71 | 43 | 28 | 217 |
| The Tarrey | 61-90 | AVERAGE | 11 | 10 | 35 | 122 | 324 | 499 | 503 | 384 | 381 | 271 | 157 | 58 | 2754 |
| 1 | | STD DEV | 7 | 5 | 19 | 39 | 55 | 74 | 62 | 65 | 68 | 80 | 44 | 26 | 229 |
| | 71-00 | AVERAGE | 10 | 9 | 31 | 119 | 321 | 483 | 484 | 373 | 358 | 249 | 146 | 51 | 2634 |
| 0499 | | STD DEV | 6 | 5 | 17 | 40 | 66 | 74 | 62 | 58 | 72 | 67 | 50 | 22 | 253 |
| CO-05 | 31-00 | AVERAGE | 28 | 52 | 230 | 544 | | 1171 | 1237 | 1019 | 948 | 653 | 384 | 143 | 7324 |
| Colorado | 21 60 | STD DEV | 15 | 22 | 62 | 80 E14 | 105 | 113 | 130 | 118 | 108 | 93 627 | 74 | 48 | 372 |
| | 31-60 | AVERAGE STD DEV | 23 13 | 40 15 | 204 | 514 69 | 904 102 | 1131 | 1230 140 | 1030 139 | 962 101 | 637 93 | 372 78 | 132 51 | 7178 363 |
| ATTOM D | 41-70 | AVERAGE | 28 | 51 | 229 | 528 | | 1151 | 1233 | 1025 | 997 | 93 647 | 78 376 | 150 | 7312 |
| HA DOWN | 11 /0 | STD DEV | 13 | 23 | 65 | 96 | 100 | 91 | 126 | 128 | 115 | 101 | 64 | 53 | 344 |
| K LINE | 51-80 | AVERAGE | 28 | 58 | 237 | 539 | | 1168 | 1251 | 1021 | 983 | 667 | 387 | 141 | 7404 |
| VI TUARO | | STD DEV | 14 | 24 | 70 | 90 | 95 | 118 | 129 | 116 | 113 | 86 | 70 | 51 | 373 |
| The state of | 61-90 | AVERAGE | 31 | 63 | 253 | 565 | | 1214 | 1260 | 1029 | 959 | 661 | 399 | 150 | 7505 |
| 12 0 | | STD DEV | 14 | 23 | 65 | 91 | 92 | 120 | 130 | 92 | 119 | 93 | 65 | 46 | 318 |
| | 71-00 | AVERAGE | 33 | 59 | 243 | 573 | | 1200 | 1239 | 1005 | 910 | 665 | 399 | 145 | 7410 |
| 0599 | 2.5 | STD DEV | 16 | 22 | 58 | 56 | 113 | 120 | 120 | 99 | 85 | 96 | 72 | 45 | 372 |
| CT-06 | 3T-00 | AVERAGE | 5 | 18 | 115 | 404 | | 1055 | 1180 | 1025 | 879 | 539 | 247 | 45 | 6205 |
| Connecticut | 21 60 | STD DEV | 4 | 12 20 | 36 | 73 | 77 702 | 123 | 139 | 113 | 100 | 73 540 | 62 251 | 21 47 | 363 |
| | 21-00 | AVERAGE STD DEV | 5 3 | 20 14 | 114 36 | 389 72 | 703 77 | 1074 | 1161 142 | 1033 120 | 902 117 | 549 83 | 251 58 | 47 24 | 6248 378 |
| KT TTM B | 41-70 | AVERAGE | 6 | 22 | 116 | 385 | | 1092 | 1197 | 1040 | 899 | 542 | 268 | 50 | 6311 |
| AT HOLD | 11-70 | STD DEV | 5 | 14 | 39 | 66 | 68 | 118 | 127 | 96 | 103 | 81 | 67 | 23 | 340 |
| * LITHER | 51-80 | AVERAGE | 6 | 18 | 118 | 406 | 690 | 1066 | 1199 | 1039 | 887 | 535 | 260 | 50 | 6273 |
| VITUARO) | | STD DEV | 5 | 12 | 41 | 71 | 74 | 120 | 120 | 107 | 86 | 69 | 69 | 22 | 322 |
| The Ball | 61-90 | AVERAGE | 5 | 17 | 119 | 413 | 681 | 1057 | 1213 | 1036 | 864 | 537 | 250 | 47 | 6238 |
| 1000 | | STD DEV | 5 | 12 | 40 | 77 | 75 | 129 | 136 | 101 | 83 | 67 | 66 | 18 | 316 |
| | 71-00 | AVERAGE | 4 | 14 | 115 | 421 | 681 | 1018 | 1177 | 997 | 846 | 522 | 232 | 42 | 6068 |
| 0699 | | STD DEV | 4 | 8 | 31 | 76 | 78 | 129 | 139 | 114 | 84 | 63 | 57 | 19 | 341 |
| | 1 | | | | ı | | | J | | | | | | | 1 |



Heating Degree Days

Delaware – Indiana

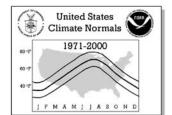
| State/Region | | lement | JUL | AUG | SEP | OCT | NOV | DEC | | FEB | MAR | APR | MAY | JUN | ANNUAL |
|--------------|---------------|--------------------|--------|----------|----------|-----------|-----------|-------------|-------------|-------------|------------|-----------|-----------|----------|-------------|
| DE-07 | 31-00 | AVERAGE | 0 | 1 | 43 | 277 | 564 | 883 | 986 | 854 | 698 | 385 | 131 | 10 | 4832 |
| Delaware | 0.5 | STD DEV | 0 | 2 | 20 | 69 | 78 | 125 | 151 | 119 | 107 | 69 | 44 | 7 | 326 |
| | 31-60 | AVERAGE | 0 | 2 | 41 | 265 | 571 | 898 | 949 | 853 | 718 | 390 | 128 | 10 | 4825 |
| M. M. O. | | STD DEV | 0 | 2 | 20 | 66 | 71 | 121 | 158 | 121 | 127 | 73 | 39 | 8 | 316 |
| A HOM NO | 41-70 | AVERAGE | 0 | 2 | 44 | 268 | 575 | 921 | 994 | 865 | 715 | 384 | 134 | 11 | 4913 |
| | | STD DEV | 0 | 2 | 23 | 67 | 64 | 118 | 134 | 90 | 118 | 72 | 50 | 7 | 287 |
| PA-TANA | 51-80 | AVERAGE | 0 | 1 | 44 | 285 | 576 | 893 | 1019 | 876 | 709 | 378 | 137 | 12 | 4931 |
| ALTY HITTY | <i>c</i> 1 00 | STD DEV | 0 | 1 | 22 | 69 | 77 | 122 | 123 | 120 | 99 | 73 | 49 | 8 | 279 |
| (Suntering) | 61-90 | AVERAGE | 0 | 1 2 | 45 22 | 287 78 | 555 | 883 | 1040 | 875 | 684 | 392 68 | 134 | 10 7 | 4907 |
| 3 | 71 00 | STD DEV AVERAGE | 0 | 1 | 42 | 285 | 81 552 | 130 850 | 138 996 | 119 836 | 91 670 | 371 | 48 127 | | 311 4740 |
| 0799 | /1-00 | STD DEV | 0 | 1 | 15 | 285 76 | 352 86 | 130 | 148 | 128 | 90 | 371 65 | 41 | 10 | 328 |
| FL-08 | 21 00 | AVERAGE | 0 | 0 | 12 | 76 9 | 70 | 166 | 210 | 156 | 85 | 16 | 0 | 8 | 713 |
| | 31-00 | STD DEV | 0 | 0 | 0 | 5 | 29 | 59 | 73 | 61 | 38 | 10 | 1 | 0 | 145 |
| Florida | 31_60 | AVERAGE | 0 | 0 | 0 | 9 | 73 | 164 | 198 | 149 | 88 | 16 | 0 | 0 | 695 |
| | 31 00 | STD DEV | 0 | 0 | 0 | 5 | 28 | 63 | 74 | 68 | 40 | 9 | 1 | 0 | 130 |
| ATT Trans | 41-70 | AVERAGE | 0 | 0 | 0 | 9 | 77 | 174 | 212 | 164 | 90 | 14 | 0 | 0 | 740 |
| P-1-1-100-14 | 11 / 0 | STD DEV | 0 | 0 | 0 | 4 | 32 | 57 | 60 | 72 | 41 | 10 | 0 | 0 | 148 |
| | 51-80 | AVERAGE | 0 | 0 | 0 | 11 | 75 | 179 | 223 | 176 | 86 | 15 | 0 | 0 | 765 |
| NI TUARO | | STD DEV | 0 | 0 | 0 | 5 | 29 | 54 | 71 | 67 | 37 | 8 | 0 | 0 | 147 |
| The Barrey | 61-90 | AVERAGE | 0 | 0 | 0 | 10 | 69 | 172 | 230 | 171 | 83 | 17 | 0 | 0 | 752 |
| 1 | | STD DEV | 0 | 0 | 0 | 6 | 31 | 60 | 78 | 60 | 36 | 10 | 1 | 0 | 163 |
| | 71-00 | AVERAGE | 0 | 0 | 0 | 10 | 60 | 160 | 213 | 154 | 78 | 18 | 1 | 0 | 694 |
| 0899 | | STD DEV | 0 | 0 | 0 | 6 | 25 | 52 | 81 | 52 | 32 | 10 | 1 | 0 | 146 |
| GA-09 | 31-00 | AVERAGE | 0 | 0 | 13 | 144 | 373 | 603 | 654 | 512 | 375 | 148 | 39 | 3 | 2866 |
| Georgia | | STD DEV | 0 | 0 | 8 | 47 | 81 | 113 | 140 | 104 | 95 | 46 | 21 | 3 | 286 |
| | 31-60 | AVERAGE | 0 | 0 | 10 | 129 | 381 | 594 | 600 | 490 | 383 | 138 | 31 | 2 | 2758 |
| M. To | | STD DEV | 0 | 0 | 6 | 42 | 75 | 114 | 140 | 112 | 111 | 38 | 17 | 2 | 264 |
| MATER OF | 41-70 | AVERAGE | 0 | 0 | 14 | 142 | 390 | 622 | 648 | 519 | 398 | 135 | 35 | 3 | 2904 |
| 17-4-0-12-6 | | STD DEV | 0 | 0 | 9 | 47 | 73 | 103 | 124 | 119 | 107 | 48 | 20 | 3 | 293 |
| | 51-80 | AVERAGE | 0 | 0 | 14 | 157 | 389 | 616 | 686 | 542 | 393 | 143 | 42 | 5 | 2986 |
| ALL STORY | 61 00 | STD DEV | 0 | 0 | 9 | 47 | 75 | 102 | 137 | 116 | 97 | 44 | 23 | 4 | 270 |
| of median | 61-90 | AVERAGE | 0 | 0 | 16 | 159 | 364 | 613 | 716 | 545 | 373 | 153 | 46 | 5 | 2990 |
| 3 3 | 71 00 | STD DEV | 0 | _ | 9 | 54 | 85 | 116 | 134 | 101 | 81 | 49 | 21 | 3 | 280 |
| 0999 | /1-00 | AVERAGE | 0 | 0 0 | 15 7 | 154 51 | 358 87 | 598 114 | 680 137 | 511 88 | 358 80 | 159 48 | 46 23 | 4 | 2884 |
| | 21_00 | STD DEV AVERAGE | 34 | 53 | 220 | 522 | 885 | 1156 | 1231 | 962 | 840 | 560 | 329 | 150 | 271 6943 |
| ID-10 | 31-00 | STD DEV | 19 | 23 | 63 | 72 | 100 | 120 | 164 | 132 | 100 | 84 | 329 72 | 45 | 432 |
| Idaho | 31-60 | AVERAGE | 29 | 54 | 213 | 505 | | 1124 | 1257 | 998 | 869 | 550 | 322 | 157 | 6971 |
| 0.00 | 31 00 | STD DEV | 11 | 16 | 48 | 73 | 101 | 113 | 190 | 139 | 95 | 75 | 83 | 48 | 438 |
| And The S | 41-70 | AVERAGE | 32 | 57 | 223 | 523 | | 1138 | 1249 | 958 | 881 | 575 | 334 | 164 | 7008 |
| | | STD DEV | 11 | 22 | 66 | 85 | 84 | 86 | 171 | 118 | 90 | 77 | 72 | 44 | 318 |
| E LTHERE | 51-80 | AVERAGE | 32 | 60 | 225 | 532 | 886 | 1148 | 1233 | 949 | 877 | 590 | 340 | 151 | 7022 |
| NITTURES! | | STD DEV | 10 | 26 | 68 | 66 | 83 | 94 | 152 | 112 | 94 | 76 | 70 | 43 | 312 |
| The Table | 61-90 | AVERAGE | 35 | 55 | 235 | 537 | 876 | 1192 | 1239 | 952 | 837 | 574 | 341 | 141 | 7014 |
| 6 | | STD DEV | 15 | 28 | 76 | 76 | 85 | 134 | 138 | 119 | 102 | 95 | 56 | 44 | 423 |
| | 71-00 | AVERAGE | 39 | 50 | 223 | 532 | 891 | 1188 | 1212 | 941 | 800 | 553 | 335 | 144 | 6909 |
| 1099 | | STD DEV | 26 | 26 | 64 | 62 | 109 | 133 | 145 | 120 | 93 | 90 | 67 | 46 | 476 |
| IL-11 | 31-00 | AVERAGE | 4 | 18 | 91 | 367 | | 1145 | 1285 | 1054 | 857 | 472 | 215 | 37 | 6305 |
| Illinois | | STD DEV | 4 | 12 | 36 | 86 | 106 | 158 | 176 | 144 | 136 | 85 | 71 | 20 | 417 |
| | 31-60 | AVERAGE | 3 | 14 | 83 | 345 | | 1126 | 1221 | 1048 | 878 | 470 | 216 | 36 | 6214 |
| M. T. | 4.5 = . | STD DEV | 4 | 9 | 38 | 81 | 112 | 144 | 156 | 136 | 153 | 88 | 67 | 23 | 421 |
| FILL STANK | 41-70 | AVERAGE | 5 | 17 | 89 | 343 | | 1149 | 1278 | 1062 | 880 | 456 | 217 | 37 | 6295 |
| ET-LIPS | F1 00 | STD DEV | 4 | 12 | 34 | 86 | 99 | 149 | 142 | 112 | 148 | 88 | 71 | 21 | 339 |
| 27 H 1723 | 21-80 | AVERAGE | 5 | 18 | 87 | 365 | 759 | 1146 | 1338 | 1078 | 881 | 461 | 212 | 37 | 6388 |
| ATTY HELLY | 61 00 | STD DEV | 4 | 11 | 34 | 95 296 | 99 720 | 138 | 169 | 143 | 132 | 81 467 | 69 217 | 21 | 365 |
| 1 Constant | 01-90 | AVERAGE | 5 4 | 21 | 94 | 386 97 | | 1174 | 1348 | 1090 142 | 848 | 467 85 | 217 75 | 38 | 6429 |
| 4 9 | 71_00 | STD DEV AVERAGE | 4 5 | 12 21 | 32 99 | 97 395 | 86 753 | 170 1154 | 190 1325 | 1045 | 126 830 | 85 474 | 75 215 | 20 38 | 359 6355 |
| 1199 | /1-00 | STD DEV | 4 | 14 | 38 | 395 85 | 111 | 175 | 183 | 163 | 118 | 88 | 215 71 | 19 | 453 |
| IN-12 | 31-00 | AVERAGE | 5 | 16 | 87 | 353 | | 1063 | 1185 | 980 | 795 | 433 | 193 | 29 | 5843 |
| | 51 00 | STD DEV | 4 | 10 | 36 | 84 | 99 | 155 | 172 | 140 | 138 | 81 | 66 | 17 | 393 |
| Indiana | 31-60 | AVERAGE | 3 | 11 | 77 | 329 | | 1050 | 1115 | 958 | 811 | 432 | 189 | 27 | 5722 |
| | 31 00 | STD DEV | 4 | 8 | 35 | 75 | 103 | 143 | 157 | 128 | 159 | 87 | 56 | 18 | 387 |
| ATTOM S | 41-70 | AVERAGE | 5 | 16 | 87 | 336 | | 1074 | 1171 | 981 | 812 | 416 | 194 | 29 | 5831 |
| HA DOWN | | STD DEV | 4 | 10 | 35 | 83 | 88 | 147 | 142 | 114 | 149 | 85 | 67 | 17 | 356 |
| | 51-80 | AVERAGE | 5 | 17 | 88 | 364 | 712 | 1064 | 1230 | 1011 | 813 | 423 | 196 | 32 | 5954 |
| VITUARO | | STD DEV | 4 | 9 | 37 | 89 | 90 | 134 | 164 | 150 | 134 | 79 | 68 | 18 | 359 |
| The Island | 61-90 | AVERAGE | 5 | 19 | 92 | 377 | 686 | 1082 | 1253 | 1027 | 784 | 431 | 199 | 32 | 5988 |
| 1 | | STD DEV | 4 | 10 | 35 | 96 | 85 | 166 | 176 | 143 | 125 | 80 | 74 | 16 | 338 |
| | 71-00 | AVERAGE | 5 | 18 | 96 | 376 | 692 | 1066 | 1227 | 982 | 771 | 435 | 195 | 31 | 5894 |
| 1299 | | STD DEV | 4 | 11 | 36 | 89 | 104 | 170 | 177 | 160 | 122 | 80 | 69 | 17 | 413 |
| L | 1 | | ı | | <u> </u> | | | ı | | | | | | | |



Heating Degree Days

lowa – Maryland

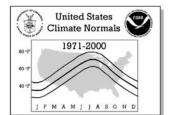
| Note STD DEV 8 | State/Region | Element | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | ANNUAL |
|---|----------------------------|---------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------------|
| STD DEV STD | IA-13 | | _ | | | | | | | | | | | | 7050 |
| STID DEV S 14 49 96 114 141 169 164 159 96 74 28 57 77 78 78 78 78 78 7 | lowa | | | | | | | | | | | | | | 468 |
| STID_DEV 11 26 135 395 858 1280 1446 1174 986 502 225 47 707 | | | - | | | | | | | | | | | | 6999 501 |
| SITE DEV 7 15 42 94 104 145 140 121 173 101 72 26 3 75 180 AVERAGE 12 71 33 119 861 286 126 161 1818 93 65 22 33 135 1818 175 1818 187 1818 187 1818 187 1818 187 1818 187 1818 187 1818 187 1818 187 1818 187 1818 187 1818 187 1818 187 1818 187 1818 181 | ETTER S | | | | | | | | | | | | | | 7085 |
| STID BEV STID BEV T 14 41 102 139 159 153 164 44 65 22 3 43 71 41 102 139 159 153 164 44 65 22 3 45 45 45 45 45 45 45 | 4-1-100 CB | | | | | | | | | | | | | | 370 |
| STD DEV 1 | | | | | | | | | | | | | | | 7174 |
| STD DEV 6 15 39 94 92 172 205 157 159 98 71 20 48 41 139 81 150 157 159 98 71 20 48 41 139 81 140 | N. TUAN | STD DEV | 7 | 14 | 41 | 102 | 102 | 139 | 159 | 153 | 164 | 94 | 65 | 22 | 359 |
| 1399 STD DEV 9 18 46 79 125 182 198 186 131 98 69 19 46 79 125 182 198 186 131 98 69 19 46 57 125 182 198 186 131 98 69 19 46 57 125 182 198 186 131 98 69 19 198 186 131 98 69 19 198 186 131 198 69 199 190 185 131 198 69 199 190 | The state of | | - | | | | | | | | | | | | 7125 |
| 1399 STD DEV 9 18 46 79 125 182 98 186 131 98 69 19 4 | 3 0 | | | | | | | | | | | | | | 417 |
| KS-14 31-00 AVERAGE 2 | 1200 | | | | | | | | | | | | | - | 7058 496 |
| Ransas | | | | | | | | | | | | | | | 5099 |
| 31 - 60 AVERAGE STD DEV STD DEV STD DEV STD DEV STD DEV A 6 31 | | | | | | | | | | | | | | | 376 |
| A1-70 AVERAGE 3 | Tanous | 31-60 AVERAGE | 3 | 5 | 53 | 242 | 662 | 972 | 1084 | 857 | 711 | 333 | 121 | 15 | 5058 |
| STD DEV 4 6 330 73 887 116 115 111 152 87 49 11 12 11 | M. C. | | | | | | | | | | | | | | 401 |
| Single Average 3 | A-HOM A | | | - | | | | | | | | | | | 5123 |
| STD DEV 3 6 33 76 88 107 149 150 143 74 47 10 10 23 STD DEV 2 6 30 70 89 148 173 147 124 82 49 10 3 3 149 170 149 150 143 74 47 10 10 3 2 149 170 170 170 170 170 170 170 170 170 170 | KT-SPICE | | | - | | | | | | | | | | | 311 5194 |
| 61-90 AVERAGE STD DEV CHAPTER | | | | - | | | | | | | | | | - | 308 |
| 1499 | The Hard | | l l | - | | | | - | | | - 1 | | | - | 5180 |
| 1499 | 8 0 | | l l | | | | | | | | | | | | 342 |
| KY-16 | | | | - | | | | | | | | | | | 5120 |
| Kentucky 31-60 AVERAGE 1 3 44 254 600 869 913 771 641 301 112 9 45 STD DEV 2 4 23 66 90 135 167 133 155 71 39 9 3 41-70 AVERAGE 1 4 52 264 597 893 962 800 644 287 113 11 46 STD DEV 2 5 24 73 75 134 144 131 147 77 45 8 3 STD DEV 51-80 AVERAGE 1 3 52 288 593 878 1010 823 635 294 121 14 47 STD DEV 1 3 28 77 81 128 162 166 135 71 49 10 3 61-90 AVERAGE 1 4 57 292 560 887 1039 829 603 304 128 14 47 STD DEV 1 3 24 81 101 150 173 135 103 71 52 9 3 LA-16 LOUISIANA 31-60 AVERAGE 0 0 0 1 59 226 396 470 334 217 56 4 0 17 AVERAGE 0 0 0 1 29 67 95 122 93 71 26 4 0 22 STD DEV 0 0 1 29 59 83 123 96 81 22 4 0 18 STD DEV 0 0 1 29 59 83 123 96 81 22 4 0 18 STD DEV 0 0 1 29 59 83 123 96 81 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 22 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 3 0 2 STD DEV 0 0 2 35 70 85 112 108 78 25 30 0 2 STD DEV 0 0 2 35 70 85 112 108 78 22 4 52 4 0 18 STD DEV 0 0 2 35 70 85 112 108 78 25 109 71 39 71 26 80 3 60 3 60 3 60 3 60 3 60 3 60 3 60 | | | | | | | | _ | | | | | | | 397 |
| STID DEV 1 4 254 600 869 913 771 641 301 112 9 45 | | | | | - | | | | | | | | | | 4603 344 |
| STD DEV 2 4 23 66 90 135 167 133 155 71 39 9 3 3 41-70 AVERAGE 1 4 52 264 597 893 962 800 644 287 113 11 46 57 31 51 51 51 51 51 51 51 51 51 51 51 51 51 | Rentucky | ·- | | - | | | | | | | | | | - | 4519 |
| STD DEV 2 5 24 73 75 134 144 131 147 77 45 8 3 3 51 51 80 AVERAGE 1 3 52 288 593 878 1010 823 635 294 121 14 47 81 61 61 61 61 61 61 61 | N- | | | - | | | | 135 | 167 | | | | | 9 | 339 |
| S1-80 AVERAGE 1 3 52 288 593 878 1010 823 635 294 121 14 47 47 47 47 47 47 4 | HALLER NO | | | _ | | | | | | | | | | | 4627 |
| STD DEV 1 3 28 77 81 128 162 146 135 71 49 10 3 3 3 3 4 128 14 47 57 292 560 887 1039 829 603 304 128 14 47 47 108 17 100 10 | 17-4-17-17-17 | | | _ | | | | | | | | | | | 326 |
| 61-90 AVERAGE STD DEV 1 4 57 292 560 887 1039 829 603 304 128 14 47 78 100 AVERAGE 1 4 56 287 563 869 1003 784 596 311 129 13 44 56 287 563 869 1003 784 596 311 129 13 46 1599 STD DEV 1 3 24 81 101 150 173 135 103 71 52 9 3 3 120 AVERAGE 0 0 1 59 226 396 470 334 217 56 4 0 17 150 150 150 150 150 150 150 150 150 150 | | | | _ | | | | | | | | | | | 4710 337 |
| T1-00 AVERAGE 1 | L THE | | | | | | | | | | | | | | 4718 |
| 1599 | 6 | STD DEV | 1 | 4 | 27 | 86 | 87 | 152 | 167 | 134 | 113 | 75 | 51 | 8 | 322 |
| LA-16 Louisiana 31-00 AVERAGE Louisiana 31-60 AVERAGE STD DEV 0 0 1 29 67 95 122 93 71 26 4 0 22 31 1-60 AVERAGE STD DEV 0 0 1 53 234 377 430 313 222 56 4 0 16 4 0 22 51 29 59 83 123 96 81 22 4 0 22 4 0 22 51 29 59 83 123 96 81 22 4 0 22 4 0 22 51 29 51 20 20 29 59 83 123 96 81 22 4 0 22 4 0 22 51 29 51 20 20 29 59 83 123 96 81 22 4 0 22 4 0 22 51 29 51 20 20 29 59 83 123 96 81 22 4 0 22 4 0 22 51 29 51 20 20 29 59 83 123 96 81 22 4 0 12 20 20 20 20 20 20 20 20 20 20 20 20 20 | | | | _ | | | | | | | | | | | 4616 |
| Louisiana | | | | | | | | | | | | | | | 356 1764 |
| COUISIANIA 31-60 AVERAGE 0 0 0 1 53 234 377 430 313 222 56 4 0 16 | | | _ | | | | | | | | | | | - | 226 |
| ## A1-70 AVERAGE STD DEV 0 0 1 1 59 230 395 467 340 234 49 3 0 17 STD DEV 0 0 0 1 30 58 85 112 108 78 25 3 0 2 | Louisiana | | _ | | | | | | | | | | | - | 1690 |
| STD DEV O | M. T. | STD DEV | 0 | | | | 59 | | | 96 | 81 | | 4 | 0 | 219 |
| STD DEV O O D C C C C C C C C C | CA HORNE | | _ | - | | | | | | | | | | | 1780 |
| STD DEV 0 | | | | - | | | | | | | - 1 | | | - | 234 1837 |
| 61-90 AVERAGE 0 | NA PARA | | | - | | | | | | | | | _ | - | 246 |
| T1-00 AVERAGE O O O 2 63 218 409 489 337 202 60 4 O 17 | | | | - | | | | | | | - 1 | | _ | - | 1860 |
| ME-17 31-00 AVERAGE 39 63 233 552 853 1274 1431 1244 1081 713 395 131 80 80 80 80 80 80 80 8 | 8 | STD DEV | _ | • | | | | | | | | | 3 | 0 | 223 |
| ME-17 Maine 31-00 AVERAGE STD DEV 39 63 233 552 853 1274 1431 1244 1081 713 395 131 80 131 80 Maine 31-60 AVERAGE STD DEV 19 27 49 69 77 139 133 110 96 62 65 37 31 31 81 31-60 AVERAGE 41 63 223 536 846 1277 1399 1236 1090 714 396 142 79 714 396 142 79 STD DEV STD DEV 21 31 55 64 69 136 STD DEV 51-80 AVERAGE STD DEV 22 29 529 838 1283 1421 1247 1082 714 406 134 79 79 65 72 40 33 39 33 | 1600 | | _ | - | | | | | | | | | 4 | - | 1783 |
| Maine STD DEV 19 27 49 69 77 139 133 110 96 62 65 37 3 31-60 AVERAGE 41 63 223 536 846 1277 1399 1236 1090 714 396 142 79 STD DEV 18 28 44 64 83 138 139 112 109 70 65 39 3 41-70 AVERAGE 41 69 229 529 838 1283 1421 1247 1082 714 406 134 79 51-80 AVERAGE 38 65 236 549 848 1284 1424 1251 1079 711 397 126 80 51-80 AVERAGE 36 64 241 558 858 1294 1458 1256 1077 712 395 125 80 51-90 AVERAGE 36 64 241 <td< th=""><th>t-</th><th></th><th>_</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>305</th><th>-</th><th>218 8008</th></td<> | t- | | _ | | | | | | | | | | 305 | - | 218 8008 |
| 31-60 AVERAGE STD DEV 18 28 44 64 83 138 139 112 109 70 65 39 3 41-70 AVERAGE STD DEV 21 31 55 64 69 136 125 104 99 65 72 40 3 51-80 AVERAGE 38 65 236 549 848 1284 1424 1251 1079 711 397 126 80 STD DEV 20 29 55 70 75 141 129 103 89 53 73 38 3 51-90 AVERAGE 36 64 241 558 858 1294 1458 1256 1077 712 395 125 80 STD DEV 18 30 53 70 74 146 129 102 85 57 62 34 2 71-00 AVERAGE 35 58 242 579 860 1260 1456 1234 1071 706 386 125 80 MD-18 31-00 AVERAGE 0 2 51 295 588 907 1002 857 695 377 131 11 49 | | | | | | | | | | | | | | | 362 |
| STD DEV | IVIAIIIC | | | | | | | | | | | | | | 7964 |
| STD DEV 21 31 55 64 69 136 125 104 99 65 72 40 3 51-80 AVERAGE 38 65 236 549 848 1284 1424 1251 1079 711 397 126 80 STD DEV 20 29 55 70 75 141 129 103 89 53 73 38 3 61-90 AVERAGE 36 64 241 558 858 1294 1458 1256 1077 712 395 125 80 STD DEV 18 30 53 70 74 146 129 102 85 57 62 34 2 71-00 AVERAGE 35 58 242 579 860 1260 1456 1234 1071 706 386 125 80 MD-18 31-00 AVERAGE 0 2 51 295 588 907 1002 857 695 377 131 11 49 | M. T. | | | | | | | | | | | | | | 393 |
| 51-80 AVERAGE 38 65 236 549 848 1284 1424 1251 1079 711 397 126 80 STD DEV 20 29 55 70 75 141 129 103 89 53 73 38 3 3 | DY-HOM M | | | | | | | | | | | | | | 7992 |
| STD DEV 20 29 55 70 75 141 129 103 89 53 73 38 3 | KTHARIDA | | | | | | | | | | | | | | 330 8007 |
| 61-90 AVERAGE STD DEV 18 30 53 70 74 146 129 102 85 57 62 34 2 71-00 AVERAGE 35 58 242 579 860 1260 1456 1234 1071 706 386 125 80 1799 STD DEV 19 20 46 67 73 148 127 112 91 58 63 36 36 MD-18 31-00 AVERAGE 0 2 51 295 588 907 1002 857 695 377 131 11 49 | WITH THE | | | | | | | | | | | | | | 340 |
| STD DEV 18 30 53 70 74 146 129 102 85 57 62 34 2 2 2 2 2 2 2 2 2 | The Take | | | | | | | | | | | | | | 8074 |
| 1799 STD DEV 19 20 46 67 73 148 127 112 91 58 63 36 38 31 31 31 31 31 31 31 | 1 0 | STD DEV | | | 53 | 70 | 74 | 146 | 129 | 102 | 85 | | 62 | 34 | 298 |
| MD-18 31-00 AVERAGE 0 2 51 295 588 907 1002 857 695 377 131 11 49 | 1700 | | | | | | | | | | | | | | 8012 |
| | | | | | | | | | | | | | | | 365 4918 |
| Manyland (and D.C.) STD DEV 1 2 23 71 80 124 150 117 111 72 45 8 3 | Maryland (and D.C.) | STD DEV | 1 | 2 | 23 | 71 | 80 | 124 | 150 | 117 | 111 | 72 | 45 | 8 | 318 |
| 31-60 AVERAGE 0 3 51 285 597 919 962 853 718 382 127 11 49 | iviai yiai iu (ai iu D.C.) | | | 3 | | | | | | | | | | | 4907 |
| | pt. | | | | | | | | | | | | | | 317 |
| | DI-HOM NO | | | | | | | | | | | | | | 4964 |
| | 17-17-10A | | | | | | | | | | | | | | 289 4996 |
| | AT LITTED | | | | | | | | | | | | | | 268 |
| | The Land | | | | | | | | | | | | | | 4993 |
| STD DEV 1 2 24 82 79 131 136 114 91 68 49 8 2 | 0 | STD DEV | l l | | | | 79 | | | | | | 49 | | 286 |
| | 1000 | | | | | | | | | | | | | | 4848 |
| STD DEV 1 2 18 78 90 134 147 122 92 67 44 9 3 | 1899 | STD DEV | 1 | 2 | 18 | .78 | 90 | 134 | ⊥47 | 122 | 92 | 67 | 44 | 9 | 331 |



Heating Degree Days

Massachusetts - Montana

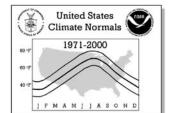
| State/Region | Е | lement | JUL | AUG | SEP | OCT | NOV | DEC | ; JAN | FEB | MAR | APR | MAY | JUN | ANNUAL |
|---|---------|--------------------|----------|-----------|-----------|------------|-------------|-------------|-------------|-------------|-------------|------------|-----------|-----------|-------------|
| MA-19 | 31-00 | AVERAGE | 6 | 20 | 132 | 421 | 702 | 1068 | 1199 | 1047 | 907 | 576 | 275 | 61 | 6413 |
| Massachusetts | 21 60 | STD DEV | 5 6 | 13 19 | 39 120 | 71 398 | 78 696 | 122 1074 | 136 1171 | 107 1045 | 95 914 | 69 572 | 61 264 | 24 59 | 338 6338 |
| | 31-60 | AVERAGE STD DEV | 4 | 19 | 36 | 398 65 | 81 | 118 | 138 | 113 | 113 | 572 77 | 264 60 | 25 | 348 |
| AT The D | 41-70 | AVERAGE | 7 | 22 | 126 | 391 | 691 | 1088 | 1201 | 1051 | 911 | 566 | 280 | 60 | 6393 |
| A HOLD | | STD DEV | 5 | 14 | 43 | 62 | 69 | 118 | 126 | 92 | 103 | 75 | 71 | 25 | 336 |
| | 51-80 | AVERAGE | 7 | 21 | 137 | 422 | 701 | 1079 | 1210 | 1058 | 913 | 571 | 283 | 63 | 6464 |
| A THAT | | STD DEV | 5 | 13 | 43 | 72 | 76 | 120 | 121 | 105 | 80 | 71 | 68 | 23 | 332 |
| Jan Start | 61-90 | AVERAGE | 7 | 22 | 144 | 437 | 705 | 1082 | 1237 | 1064 | 905 | 584 | 287 | 66 | 6539 |
| 3 | 71 - 00 | STD DEV AVERAGE | 5 7 | 14 19 | 40 141 | 76 450 | 75 703 | 128 1045 | 133 1209 | 94 1031 | 76 891 | 66 573 | 60 276 | 25 62 | 265 6409 |
| 1999 | 71-00 | STD DEV | 5 | 10 | 34 | 72 | 703 | 133 | 135 | 110 | 83 | 64 | 53 | 27 | 344 |
| MI-20 | 31-00 | AVERAGE | 13 | 33 | 140 | 445 | 800 | 1165 | 1307 | 1140 | 981 | 590 | 290 | 66 | 6972 |
| Michigan | | STD DEV | 9 | 17 | 44 | 89 | 93 | 131 | 145 | 124 | 130 | 90 | 83 | 29 | 383 |
| | 31-60 | AVERAGE | 12 | 29 | 132 | 428 | 813 | 1164 | 1267 | 1141 | 1010 | 600 | 297 | 64 | 6957 |
| ET TOWN | 41 70 | STD DEV | 8 | 15 | 44 | 84 | 99 | 122 | 137 | 117 | 148 | 100 | 74 | 31 | 381 |
| AT HOLD OF | 41-70 | AVERAGE STD DEV | 15 9 | 34 18 | 138 42 | 419 89 | 799 86 | 1176 118 | 1313 129 | 1149 92 | 996 138 | 577 95 | 302 83 | 66 30 | 6983 309 |
| | 51-80 | AVERAGE | 15 | 35 | 140 | 442 | 796 | 1171 | 1343 | 1163 | 994 | 581 | 291 | 68 | 7039 |
| NETTUARY. | | STD DEV | 8 | 16 | 44 | 99 | 90 | 116 | 130 | 117 | 118 | 84 | 80 | 29 | 314 |
| The Bally | 61-90 | AVERAGE | 13 | 37 | 143 | 463 | 783 | 1179 | 1350 | 1164 | 967 | 582 | 287 | 70 | 7038 |
| A A | | STD DEV | 8 | 17 | 42 | 101 | 76 | 136 | 150 | 122 | 116 | 85 | 87 | 29 | 333 |
| 2099 | \00 | AVERAGE | 14 10 | 36 19 | 148 44 | 470 91 | 794 93 | 1158 | 1325 | 1125 | 951 | 582 87 | 279 | 67 30 | 6950 |
| MN-21 | 31-00 | STD DEV AVERAGE | 30 | 19 55 | 234 | 566 | 1059 | 150 1533 | 151 1720 | 138 1401 | 117 1174 | 670 | 85 324 | 30 97 | 432 8864 |
| Minnesota | 51 00 | STD DEV | 19 | 26 | 62 | 98 | 125 | 170 | 191 | 178 | 161 | 108 | 87 | 41 | 570 |
| wiii ii i i i i i i i i i i i i i i i i | 31-60 | AVERAGE | 27 | 50 | 227 | 555 | 1068 | 1515 | 1696 | 1435 | 1223 | 683 | 336 | 101 | 8918 |
| M. V. | | STD DEV | 17 | 24 | 63 | 106 | 131 | 154 | 188 | 169 | 154 | 111 | 87 | 45 | 556 |
| A - MAN | 41-70 | AVERAGE | 33 | 55 25 | 245 | 541 | 1049 | 1530 | 1727 | 1434 | 1213 | 675 | 349 | 106 | 8958 |
| THERE | 51-80 | STD DEV AVERAGE | 17 33 | 25 59 | 60 245 | 101 560 | 119 1044 | 145 1536 | 169 1784 | 123 1427 | 174 1212 | 111 674 | 82 329 | 44 98 | 423 9000 |
| WITH THE | 31 00 | STD DEV | 19 | 26 | 60 | 111 | 111 | 155 | 160 | 145 | 163 | 105 | 84 | 38 | 401 |
| The Tark | 61-90 | AVERAGE | 29 | 60 | 244 | 577 | 1042 | 1573 | 1751 | 1411 | 1152 | 656 | 321 | 96 | 8914 |
| V 0 | | STD DEV | 17 | 27 | 59 | 99 | 103 | 174 | 203 | 170 | 167 | 109 | 88 | 38 | 526 |
| | 71-00 | AVERAGE | 32 | 58 | 235 | 587 | 1062 | 1545 | 1720 | 1352 | 1121 | 649 | 303 | 92 | 8756 |
| 2199 MS-22 | 31_00 | STD DEV AVERAGE | 22 0 | 28 0 | 60 8 | 84 115 | 132 329 | 196 541 | 202 612 | 190 455 | 145 318 | 110 106 | 87 19 | 36 0 | 632 2503 |
| _ | 31-00 | STD DEV | 0 | 0 | 6 | 45 | 78 | 114 | 140 | 107 | 91 | 40 | 12 | 1 | 271 |
| Mississippi | 31-60 | AVERAGE | 0 | 0 | 6 | 100 | 334 | 519 | 557 | 428 | 318 | 99 | 16 | 0 | 2379 |
| | | STD DEV | 0 | 0 | 4 | 44 | 72 | 106 | 142 | 113 | 105 | 32 | 11 | 0 | 265 |
| A HOW NO | 41-70 | AVERAGE | 0 | 0 | 8 | 112 | 335 | 544 | 604 | 458 | 338 | 92 | 16 | 0 | 2508 |
| | E1_00 | STD DEV AVERAGE | 0 | 0 | 6 9 | 47 127 | 70 344 | 102 551 | 126 640 | 123 481 | 101 332 | 39 100 | 11 20 | 1 1 | 275 2604 |
| | 31-00 | STD DEV | 0 | 0 | 7 | 48 | 79 | 99 | 136 | 123 | 96 | 37 | 14 | 1 | 271 |
| THE THE | 61-90 | AVERAGE | 0 | 0 | 10 | 130 | 317 | 561 | 672 | 493 | 320 | 106 | 21 | 1 | 2631 |
| 8 | | STD DEV | 0 | 0 | 7 | 47 | 83 | 122 | 133 | 105 | 83 | 42 | 13 | 1 | 245 |
| | 71-00 | AVERAGE | 0 | 0 | 9 | 126 | 323 | 555 | 641 | 461 | 306 | 119 | 22 | 1 | 2563 |
| 2299 MO-23 | 21 00 | STD DEV | 0 2 | 0 9 | 6 | 44 | 87 | 121 | 134 | 91 | 70 | 42 | 14 | 1 | 248 5171 |
| | 31-00 | AVERAGE STD DEV | 3 | 9 7 | 66 32 | 279 74 | 649 102 | 995 147 | 1119 167 | 880 143 | 694 138 | 333 78 | 130 51 | 17 11 | 379 |
| Missouri | 31-60 | AVERAGE | 2 | 7 | 57 | 257 | 658 | 969 | 1073 | 873 | 717 | 338 | 127 | 15 | 5091 |
| 17 | | STD DEV | 3 | 6 | 32 | 71 | 102 | 126 | 158 | 139 | 155 | 79 | 47 | 12 | 396 |
| DI-HOM NO | 41-70 | AVERAGE | 3 | 9 | 65 | 264 | 645 | 992 | 1107 | 880 | 730 | 324 | 125 | 17 | 5161 |
| 1 That His | 51_00 | STD DEV AVERAGE | 3 2 | 7 8 | 29 64 | 73 284 | 90 650 | 133 992 | 117 1163 | 109 904 | 154 718 | 84 322 | 51 125 | 11 17 | 314 5252 |
| WITH THE | 21-00 | STD DEV | 3 | 6 | 32 | 80 | 94 | 117 | 158 | 144 | 145 | 322 76 | 49 | 11 | 326 |
| The Tale | 61-90 | AVERAGE | 2 | 10 | 70 | 299 | 632 | 1029 | 1166 | 918 | 680 | 322 | 132 | 18 | 5278 |
| 100 | | STD DEV | 2 | 7 | 31 | 80 | 88 | 161 | 182 | 140 | 129 | 82 | 54 | 11 | 333 |
| | 71-00 | AVERAGE | 2 | 10 | 73 | 302 | 647 | 1014 | 1148 | 875 | 661 | 333 | 135 | 18 | 5219 |
| 2399 MT-24 | 31_00 | STD DEV AVERAGE | 2 81 | 8 103 | 34 | 70 639 | 112 1028 | 165 1303 | 178 1413 | 165 1132 | 110 1038 | 81 700 | 51 432 | 11 221 | 397 8424 |
| Montana | 21-00 | STD DEV | 36 | 38 | 83 | 79 | 1028 | 147 | 209 | 160 | 135 | 92 | 432 79 | 59 | 515 |
| IVIOIILAIIA | 31-60 | AVERAGE | 74 | 105 | 324 | 626 | 1025 | 1269 | 1436 | 1189 | 1087 | 702 | 428 | 235 | 8498 |
| 1 | | STD DEV | 28 | 26 | 63 | 85 | 133 | 126 | 239 | 160 | 128 | 87 | 94 | 64 | 536 |
| DI TOM ME | 41-70 | AVERAGE | 82 | 108 | 344 | 636 | 1021 | 1299 | 1449 | 1138 | 1103 | 718 | 448 | 245 | 8591 |
| KT-5-116 | E1 00 | STD DEV | 26 | 33 | 89 | 97 642 | 116 | 131 | 212 | 125 | 139 | 92 732 | 76 449 | 57 226 | 416 |
| NA PARTIES | 21-80 | AVERAGE STD DEV | 83 27 | 113 41 | 341 92 | 642 83 | 1035 113 | 1298 149 | 1462 182 | 1121 130 | 1081 | 732 91 | 449 71 | 226 56 | 8582 432 |
| The Ball | 61-90 | AVERAGE | 82 | 106 | 350 | 646 | 1027 | 1345 | 1411 | 1105 | 1018 | 702 | 442 | 208 | 8442 |
| 8 | | STD DEV | 29 | 45 | 101 | 82 | 124 | 163 | 194 | 142 | 132 | 102 | 62 | 57 | 478 |
| | 71-00 | AVERAGE | 89 | 101 | 333 | 653 | 1041 | 1324 | 1381 | 1095 | 973 | 683 | 430 | 207 | 8311 |
| 2499 | | STD DEV | 44 | 46 | 77 | 59 | 142 | 168 | 185 | 159 | 107 | 93 | 70 | 54 | 545 |
| | | | | | | | | | | | · · · | | | | |



Heating Degree Days

Nebraska – New York

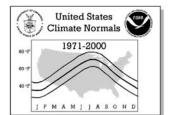
| Nebraska STD DEV 8 12 47 82 107 148 189 173 150 91 169 24 141 111 | State/Region | Е | lement | JUL | AUG | SEP | OCT | NOV | DEC | | FEB | MAR | APR | MAY | JUN | ANNUAL |
|--|--|-------|---------|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-------------|
| 31 - 60 AVERAGE 8 13 101 351 825 161 1214 1076 944 466 205 41 64 | | 31-00 | | _ | | | | | | | | | | | | 6519 |
| ## 170 DEV 8 9 47 81 98 122 138 132 158 99 73 29 41 ## 170 DEV 8 11 148 88 93 129 140 137 102 66 205 45 ## 170 DEV 8 11 148 88 93 129 140 137 102 66 205 45 ## 170 DEV 8 11 148 88 93 129 140 137 102 66 205 45 ## 170 DEV 8 11 148 88 83 129 140 138 127 108 46 159 40 ## 170 DEV 7 13 129 406 823 1244 131 108 88 447 159 96 205 ## 170 DEV 7 13 43 408 82 124 123 108 88 47 128 408 ## 170 DEV 7 13 43 408 82 124 125 102 102 102 82 82 ## 170 DEV 7 13 43 46 83 124 131 108 88 447 159 96 63 20 ## 170 DEV 7 13 43 46 88 47 128 46 46 46 46 46 46 ## 170 DEV 7 13 12 406 823 1244 131 108 88 147 128 ## 170 DEV 7 13 12 410 813 1244 131 108 88 147 128 ## 170 DEV 7 13 14 14 14 14 14 14 14 | Nebraska | 21 60 | | | | | | | | | | | | | | 451 |
| *** A 1-70 AVERAGE*** 10 | 73.25.8 | 31-60 | | | | | | | | | | | | | | 481 |
| STILDEW S 11 | ATTIME S | 41-70 | | | | | | | | | | | | | | 6563 |
| STD DEV 7 12 49 92 134 144 164 162 83 95 22 33 655 8TD DEV 5 13 43 84 95 161 194 194 194 194 198 39 655 8TD DEV 5 13 43 84 95 161 194 194 194 194 198 39 655 8TD DEV 5 13 43 84 95 161 194 194 194 194 198 39 655 8TD DEV 5 14 14 14 187 198 39 655 8TD DEV 5 14 14 14 14 187 198 39 655 8TD DEV 5 14 14 14 14 187 198 39 655 8TD DEV 5 14 14 14 14 187 198 198 198 198 198 198 198 198 198 198 | 44-1-10-14 | 11 70 | | - | | | | | | | | | | | | 348 |
| STD DEV 5 13 43 84 95 161 194 154 149 96 82 34 47 198 39 65 20 44 170 AVERAGE 11 21 122 412 851 1220 1325 1032 877 459 20 20 44 170 AVERAGE 11 12 122 412 851 1220 1325 1032 877 459 20 20 44 170 AVERAGE 11 10 54 221 574 765 172 193 188 177 42 30 184 177 4 | | 51-80 | AVERAGE | 10 | 18 | 124 | 388 | 827 | 1200 | 1388 | 1071 | 908 | 461 | 199 | 40 | 6633 |
| STID DEV 5 13 43 48 95 161 194 154 149 89 63 20 42 | A PLA | | | | | | | | | | | | | | | 365 |
| 71-00 AVERAGE 11 21 122 412 851 1220 1325 1032 827 499 205 39 657 579 8V-26 31-00 AVERAGE 1 1 21 122 412 851 1220 1325 1032 827 499 205 20 44 8V-26 31-00 AVERAGE 5 10 54 221 524 765 796 590 490 293 137 42 391 80 177 42 33 1-00 AVERAGE 1 4 10 51 223 523 777 825 630 505 220 138 41 40 40 40 40 40 40 40 40 40 40 40 40 40 | Jan Barrell | 61-90 | | _ | | | | | | | | | | | | 6589 |
| SEPP STIP DEV 8 | 7 | 71-00 | | | | | | | | | | | | | | 411 6525 |
| NV-26 31-00 AVERAGE 5 10 54 221 514 765 796 590 490 293 137 42 392 Nevada STD DRV 4 6 20 55 66 90 121 105 90 76 45 16 33 | 2599 | 71-00 | | | | | | | | | | | | | | 481 |
| STO DEV 1 5 1-80 AVERAGE 4 10 51 223 533 757 825 630 505 280 138 44 44 44 44 44 44 44 | NV-26 | 31-00 | AVERAGE | | 10 | | | | | | | | | | | 3925 |
| 11-07 AVERAGE 19 55 224 529 733 81 66 604 528 707 131 81 88 88 59 48 17 1 33 81 81 81 82 81 87 1 132 132 81 81 81 82 81 87 1 132 132 81 81 81 82 81 87 1 132 81 81 81 81 81 81 81 81 81 81 81 81 81 | Nevada | | | | | | | | | | | | | | | 313 |
| A1-70 AVERAGE 5 | | 31-60 | | | | - 1 | | | | | | | | | | 4000 |
| SITID DEV 3 | ATTIME S | 41_70 | | | | | | | | | | | | | | 315 |
| STD DBY STD | LA HOUSE | 41-70 | | | | | | | | | | | | | | 225 |
| STD DEV 1 2 26 51 69 86 127 136 61 20 133 141 39 39 19 18 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | | 51-80 | | | | | | | | | | | | | | 4029 |
| TIDEN A TO AVERAGE 19 54 221 518 701 201 201 201 201 201 201 201 201 201 2 | W THAT | | | _ | | | | | | | | | | | | 197 |
| NH-27 31-00 AVERAGE 5 9 54 221 518 761 764 554 459 287 134 37 381 31-00 AVERAGE 5 9 54 221 518 761 764 554 459 287 134 37 381 31-00 AVERAGE 31-00 372 381 381 381 381 381 381 381 381 381 381 381 381 381 31-00 AVERAGE 31-00 372 381 38 | The state of | 61-90 | | _ | | | | | | | | | | | | 3973 |
| New Hampshire 31-00 AVERAGE 19 52 21 56 85 97 96 75 90 78 45 15 32 | 7 7 | 7100 | | | | - 1 | | | | | | | | | | 249 3802 |
| NH-27 New Hampshire 31-00 AVERAGE STD DEV 14 25 52 75 83 132 136 115 104 76 73 30 33 31-60 AVERAGE | 2699 | /1-00 | | _ | | - 1 | | | | | | | | | | 3802 |
| New Hampshire STD DEV 14 25 52 75 83 132 136 115 104 76 73 30 33 31 32 31 36 AVERAGE 19 54 207 525 836 125 136 1200 1053 661 329 84 75 75 75 75 86 86 125 140 121 123 85 71 33 33 33 34 77 81 84 75 75 75 86 76 125 126 1202 112 81 82 33 33 33 34 77 81 84 75 75 85 76 76 125 126 1202 112 81 82 33 33 33 34 75 75 75 75 75 75 75 7 | | 31-00 | | _ | | | | | | | | | | | | 7620 |
| 31-60 AVERAGE 19 54 207 525 336 1257 1366 1200 1093 661 329 84 755 5150 DEV 14 226 51 69 86 125 1400 121 123 85 71 33 33 47 65 51-80 AVERAGE 22 59 214 516 828 1266 1392 1204 1043 656 345 87 765 151-80 AVERAGE 22 57 224 544 839 1263 1401 1208 1041 660 341 89 765 51-80 AVERAGE 19 55 225 551 842 1264 1426 122 1027 662 334 90 777 78 71-00 AVERAGE 1 5 69 84 129 124 108 92 71 83 32 23 71-00 AVERAGE 1 5 69 84 129 124 108 92 71 83 32 23 71-00 AVERAGE 1 5 69 84 129 124 108 92 74 68 31 20 104 650 341 89 765 125 126 126 126 126 126 126 126 126 126 126 | | | STD DEV | | | | | | 132 | 136 | 115 | 104 | | 73 | | 345 |
| 1-70 AVERAGE 22 59 214 516 828 1266 1392 1204 1043 656 345 87 765 | Trom Flamponino | 31-60 | | _ | | | | | | | | | | | - | 7591 |
| STD DEV 15 29 59 69 76 125 126 102 112 81 82 33 33 35 15-60 AVERAGE 257 224 544 839 1263 1401 1208 1014 660 341 89 76 120 120 120 120 120 120 120 120 120 120 | A Tomas | 41 70 | | | | - 1 | | | | | | | | | | 342 |
| Si-80 AVERAGE 22 57 224 544 839 1263 1401 1208 1041 660 341 89 765 | A HORO | 41-70 | | | | | | | | | | | | | | 318 |
| STD DEV 15 27 58 78 84 129 124 108 92 71 83 32 33 75 61 90 AVERAGE 19 55 225 551 842 1264 1426 1212 1027 662 334 90 77 71 71 71 71 71 71 71 71 71 71 71 71 | | 51-80 | | | | | | | | | | | | | | 7690 |
| TID DEV 14 27 54 81 81 139 132 103 85 73 76 29 33 76 71 00 AVERAGE 18 49 221 565 842 1226 1405 1186 1018 653 320 85 75; NJ-Z8 STD DEV 13 19 43 77 81 147 137 117 92 74 68 31 33 NJ-28 NEW JERSEY 15 574 346 627 970 1082 937 786 455 182 21 544 110 140 69 54 12 33 15 60 AVERAGE 1 5 74 346 627 970 1082 937 786 455 182 21 544 110 140 69 54 12 33 15 60 AVERAGE 1 5 69 327 632 982 1047 935 803 453 174 19 544 110 10 10 10 10 10 10 10 10 10 10 10 10 | NITUARO I | | | | 27 | | 78 | | | | | | | | | 332 |
| 71-00 AVERAGE 18 49 221 565 842 1226 1405 1186 1018 653 320 85 751 NJ-28 | The state of | 61-90 | | | | | | | | | | | | | | 7707 |
| NJ-28 NJ-28 NI-28 NI-28 NI-28 NI-28 NI-28 NI-28 NI-28 NI-28 NEW Jersey NI-28 | 2 | 71 00 | | | | | | | | | | | | | | 302 |
| NJ-28 New Jersey STD DEV 1 5 28 76 77 119 147 114 104 69 54 12 33 31 60 AVERAGE 1 5 69 327 632 982 1047 935 803 453 174 19 544 554 554 569 327 632 982 1047 935 803 453 174 19 544 554 554 569 327 632 982 1047 935 803 453 174 19 544 554 554 569 327 632 982 1047 935 803 453 174 19 544 554 554 56 | 2799 | /1-00 | | | | | | | | | | | | | | 378 |
| New Jersey STD DEV 1 5 28 76 77 119 147 114 104 69 54 12 3 3 160 AVERAGE 1 5 69 327 632 982 1047 935 803 453 174 19 544 170 AVERAGE 1 6 70 322 626 1000 1089 943 797 445 185 20 555 | | 31-00 | | l . | | | | | | | | | | | | 5486 |
| STD DEV 1 5 69 327 632 982 1047 935 803 453 174 19 54 175 175 175 175 175 175 175 175 175 175 | | | | | 5 | | | | | ı | | | | | | 331 |
| **STD DEV*** **STD DEV*** **STD DEV** **ST | 00.009 | 31-60 | | | | | | | | ı | | | | | | 5446 |
| STD DEV 51-80 AVERAGE 5 11 71 328 665 923 960 746 663 371 158 35 491 871-80 AVERAGE 5 12 75 314 671 929 955 748 646 385 169 33 499 871 972 871 989 971 972 973 974 974 974 975 88 96 101 70 68 34 14 22 299 874 974 874 975 88 974 98 91 63 40 12 22 999 874 975 88 974 98 91 63 40 12 22 999 875 04 AVERAGE 5 11 77 323 666 925 940 712 600 380 168 34 492 974 978 974 975 88 974 98 91 63 40 12 22 999 874 975 875 DEV 71-00 AVERAGE 7 18 107 383 682 1042 1180 1034 890 535 240 41 664 875 DEV 71-00 AVERAGE 7 18 107 383 682 1042 1180 1034 890 535 240 41 664 875 DEV 71-00 AVERAGE 7 18 107 383 668 1053 1152 1035 999 526 249 42 61 61 61 61 61 61 61 61 61 61 61 61 61 | RT N | 41 70 | | | | | | | | ı | | | | | | 338 |
| 51-80 AVERAGE STD DEV 1 3 32 76 76 1116 121 112 90 72 62 14 25 61 90 AVERAGE 1 6 79 358 619 974 1134 956 777 463 190 24 556 81 82 98 101 70 67 40 112 22 14 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 62 14 82 81 12 12 90 72 63 450 183 24 54 82 81 12 12 90 61 50 14 32 84 82 81 12 12 90 61 50 14 32 84 82 81 12 12 90 61 50 14 32 84 82 81 12 12 12 90 61 50 14 32 84 82 81 12 12 90 61 50 14 32 84 82 81 12 12 12 81 82 81 81 81 81 81 81 81 81 81 81 81 81 81 | AT-HOW ON | 41-70 | | | | | | | | ı | | | | | | 5502 310 |
| STD DEV 1 3 3 32 76 76 116 121 112 90 72 62 14 22 | E LITTER | 51-80 | | | | | | | | | | | | | | 5546 |
| 71-00 AVERAGE STD DEV 1 4 32 84 77 124 136 107 85 65 59 13 22 899 | MITTER | | | | 3 | 32 | | | | ı | | | | | | 296 |
| 71-00 AVERAGE STD DEV 2 4 24 82 80 130 148 120 90 61 50 14 34 80 87 10 AVERAGE STD DEV 3 5 22 53 76 80 90 91 80 69 40 12 22 14 10 10 10 10 10 10 10 10 10 10 10 10 10 | The selection of the se | 61-90 | | | | | | | | ı | | | | | | 5582 |
| NM-29 STD DEV 2 4 24 82 80 130 148 120 90 61 50 14 34 14 16 105 15 15 14 34 15 15 15 14 34 15 15 15 15 15 15 15 1 | V | 71 00 | | | | | | | | ı | | | | | | 287 |
| New Mexico STD DEV 3 5 22 53 76 80 90 91 80 69 40 12 22 62 67 75 75 75 75 75 75 75 | 2899 | /I-00 | | | | | | | | 1 | | | | | | 5443 341 |
| New Mexico STD DEV 3 | | 31-00 | | _ | | | | | | | | | | | | 4878 |
| 31-60 AVERAGE STD DEV 3 4 19 49 75 88 96 101 70 67 40 12 22 51 51 71 71 308 665 923 960 746 663 371 158 35 491 51-80 AVERAGE 5 12 75 314 671 929 955 748 646 385 169 33 492 510 DEV 5 10 34 74 80 122 144 116 105 75 62 18 STD DEV 5 10 37 67 73 115 132 95 110 82 70 19 112 395 676 1049 1219 1051 877 536 244 47 623 661-90 AVERAGE 7 18 107 382 679 1050 1200 1046 892 527 246 45 620 57D DEV 5 9 38 77 79 117 122 115 90 73 69 20 33 66 20 37D DEV 5 9 38 77 79 117 122 115 90 73 69 20 33 60 20 30 30 30 30 30 30 30 30 30 30 30 30 30 | | 00 | | | | | | | | | | | | | | 243 |
| A1-70 AVERAGE STD DEV | 11011 1110/1100 | 31-60 | AVERAGE | | 11 | | | | | | | | | 163 | | 4889 |
| STD DEV 3 5 20 56 81 82 98 101 79 68 34 14 23 51-80 AVERAGE 5 12 75 314 671 929 955 748 646 385 169 33 494 61-90 AVERAGE 5 13 81 321 652 931 968 740 630 380 168 34 494 616 875 84 78 94 74 38 12 23 86 86 925 940 712 600 380 165 32 483 94 98 91 87 94 98 91 87 94 98 91 87 94 98 91 87 94 98 91 87 94 98 91 94 98 91 95 940 712 600 380 165 32 483 94 98 94 74 38 12 23 999 940 712 600 380 165 32 483 94 98 94 74 80 122 144 116 105 75 62 18 34 88 94 94 98 94 74 38 12 23 95 110 82 87 94 94 98 94 74 38 12 23 95 110 82 70 19 33 95 676 1049 1219 1051 877 536 244 47 623 95 110 80 1046 892 527 246 45 62 87 94 95 110 82 70 19 33 95 676 1049 1219 1051 877 536 244 47 623 95 110 87 94 95 110 87 95 | M. T. T. | 41 50 | | | | | | | | | | | | | | 237 |
| 51-80 AVERAGE 5 12 75 314 671 929 955 748 646 385 169 33 494 61-90 AVERAGE 5 13 81 321 652 931 968 740 630 380 168 34 492 61-90 AVERAGE 5 13 81 321 652 931 968 740 630 380 168 34 492 71-00 AVERAGE 5 11 77 323 666 925 940 712 600 380 165 32 483 77 79 117 122 115 90 73 69 20 33 70 85 748 7 | AL-HOM A | 41-70 | | | | | | | | | | | | | | 4916 |
| STD DEV 3 6 22 56 79 83 94 98 91 63 40 12 22 56 79 83 94 98 91 63 40 12 22 56 79 83 968 740 630 380 168 34 492 570 DEV 2 6 22 61 68 75 84 78 94 74 38 12 23 666 925 940 712 600 380 165 32 483 71 71 71 71 71 71 71 71 71 71 71 71 71 | K C FRIDA | 51-80 | | | | | | | | | | | | | | 230 4943 |
| 61-90 AVERAGE STD DEV 2 6 22 61 68 75 84 78 94 74 38 12 23 666 925 940 712 600 380 165 32 483 77 79 117 122 115 90 73 69 20 33 669 20 33 669 20 32 61-90 AVERAGE 7 19 112 395 676 1049 1219 1051 877 536 244 47 623 | M THE | 52 00 | | | | | | | | | | | | | | 217 |
| 71-00 AVERAGE 5 11 77 323 666 925 940 712 600 380 165 32 483 NY-30 31-00 AVERAGE 7 18 107 383 682 1042 1180 1034 890 535 240 43 616 New York 31-60 AVERAGE 6 16 101 368 686 1053 1152 1035 909 539 240 41 614 STD DEV 4 10 33 70 85 117 148 121 123 86 56 19 36 STD DEV 5 10 37 675 1067 1188 1040 899 526 249 42 616 STD DEV 5 10 37 67 73 115 132 95 110 82 70 19 33 51-80 AVERAGE 7 18 107 382 679 1050 1200 1046 892 527 246 45 626 STD DEV 5 9 38 77 79 117 122 115 90 73 69 20 33 61-90 AVERAGE 7 19 112 395 676 1049 1219 1051 877 536 244 47 623 | The file of | 61-90 | | 5 | 13 | | | | | | | | 380 | | | 4923 |
| NY-30 New York STD DEV 3 5 24 52 79 76 81 70 72 76 43 12 29 NY-30 New York 31-00 AVERAGE STD DEV 5 10 34 74 80 122 144 116 105 75 62 18 34 31-60 AVERAGE STD DEV 4 10 33 70 85 117 148 121 123 86 56 19 36 STD DEV 41-70 AVERAGE 7 18 101 357 675 1067 1188 1040 899 526 249 42 6146 STD DEV 5 10 37 67 73 115 132 95 110 82 70 19 31 51-80 AVERAGE 7 18 107 382 679 1050 1200 1046 892 527 246 45 626 STD DEV 5 9 38 77 79 117 122 115 90 73 69 20 33 61-90 AVERAGE 7 19 112 395 676 1049 1219 1051 877 536 244 47 623 | A 1) | | | | | | | | | | | | | | | 239 |
| NY-30 New York 31-00 AVERAGE STD DEV 5 10 34 74 80 122 144 116 105 75 62 18 34 74 80 122 144 116 105 75 62 18 34 74 80 122 144 116 105 75 62 18 34 74 80 122 144 116 105 75 62 18 34 74 80 122 144 116 105 75 62 18 34 74 80 122 144 116 105 75 62 18 34 74 80 122 144 116 105 75 62 18 34 74 80 122 144 116 105 75 62 18 34 74 80 122 144 116 105 75 62 18 34 75 75 75 75 75 75 75 75 75 75 75 75 75 | 2000 | 71-00 | | | | | | | | | | | | | | 4837 |
| New York STD DEV 5 | | 31-00 | | | | | | | | | | | | | | 258 6161 |
| 31-60 AVERAGE 6 16 101 368 686 1053 1152 1035 909 539 240 41 614 614 614 614 614 614 614 614 614 | | 51 00 | | | | | | | | | | | | | | 344 |
| 41-70 AVERAGE 7 18 101 357 675 1067 1188 1040 899 526 249 42 616 51 51 51 52 52 527 246 45 620 52 52 527 246 45 620 52 52 527 246 45 620 61 59 AVERAGE 7 19 112 395 676 1049 1219 1051 877 536 244 47 623 | INCAN I OLK | 31-60 | | | | | | | | | | | | | | 6145 |
| STD DEV 5 10 37 67 73 115 132 95 110 82 70 19 33 51-80 AVERAGE 7 18 107 382 679 1050 1200 1046 892 527 246 45 620 535 525 527 526 45 620 61-90 AVERAGE 7 19 112 395 676 1049 1219 1051 877 536 244 47 623 | M. C. | | | | | | | | | | | | | | | 361 |
| 51-80 AVERAGE 7 18 107 382 679 1050 1200 1046 892 527 246 45 620 510 DEV 5 9 38 77 79 117 122 115 90 73 69 20 31 61-90 AVERAGE 7 19 112 395 676 1049 1219 1051 877 536 244 47 623 | J-Hon A | 41-70 | | | | | | | | | | | | | | 6169 |
| STD DEV 5 9 38 77 79 117 122 115 90 73 69 20 33 61-90 AVERAGE 7 19 112 395 676 1049 1219 1051 877 536 244 47 623 | 17-5-16- | E1 00 | | | | | | | | | | | | | | 314 |
| 61-90 AVERAGE 7 19 112 395 676 1049 1219 1051 877 536 244 47 623 | WY THE | 21-80 | | | | | | | | | | | | | | 311 |
| | L BIH | 61-90 | | | | | | | | | | | | | | 6232 |
| | 1 | | STD DEV | 4 | 9 | 37 | 82 | 76 | 127 | 138 | 108 | 86 | 69 | 67 | 18 | 284 |
| | | 71-00 | | | | | | | | | | | | | | 6116 |
| 3099 STD DEV 6 9 28 78 78 132 143 122 93 67 58 19 36 | 3099 | | STD DEV | 6 | 9 | 28 | 78 | 78 | 132 | 143 | 122 | 93 | 67 | 58 | 19 | 362 |



Heating Degree Days

North Carolina - Pennsylvania

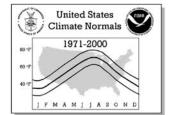
| State/Region | E | lement | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | ANNUAL |
|--|---------------|--------------------|----------|----------|------------|------------|-------------|-------------|-------------|-------------|------------|------------|-----------|-----------|-------------|
| NC-31 | 31-00 | AVERAGE | 0 | 1 | 25 | 199 | 441 | 703 | 758 | 620 | 476 | 206 | 63 | 6 | 3499 |
| North Carolina | 21 60 | STD DEV | 1 | 1 | 12 | 59 | 80 | 119 | 142 | 106 | 105 | 52 | 27 | 5 | 301 |
| | 31-60 | AVERAGE STD DEV | 0 1 | 1 1 | 21 | 180 50 | 446 76 | 700 121 | 706 147 | 600 111 | 486 129 | 197 48 | 54 22 | 5 4 | 3398 291 |
| ATTION D | 41-70 | AVERAGE | 0 | 1 | 26 | 190 | 450 | 727 | 752 | 629 | 494 | 192 | 57 | 6 | 3523 |
| P-1-1-00-01 | 11 ,0 | STD DEV | 1 | 1 | 13 | 55 | 70 | 112 | 126 | 108 | 123 | 53 | 27 | 5 | 300 |
| | 51-80 | AVERAGE | 0 | 1 | 26 | 210 | 452 | 713 | 784 | 648 | 491 | 198 | 64 | 8 | 3595 |
| W THAT | | STD DEV | 0 | 1 | 13 | 57 | 72 | 112 | 130 | 113 | 106 | 51 | 29 | 6 | 268 |
| Jan State | 61-90 | AVERAGE | 0 | 1 | 28 | 215 | 431 | 709 | 817 | 652 | 471 | 213 | 70 | 8 | 3614 |
| 3 3 | 71 00 | STD DEV | 0 | 1 1 | 14 | 69 | 81 | 120 | 134 | 105 | 82 | 56 | 27 | 5 | 290 |
| 3199 | /1-00 | AVERAGE STD DEV | 0 | 1 | 27 11 | 215 66 | 433 89 | 693 121 | 785 138 | 619 100 | 462 82 | 212 55 | 70 29 | 8 6 | 3523 300 |
| ND-32 | 31-00 | AVERAGE | 45 | 68 | 284 | 640 | 1164 | 1618 | 1822 | 1479 | 1255 | 726 | 363 | 137 | 9601 |
| North Dakota | | STD DEV | 27 | 33 | 77 | 98 | 151 | 195 | 242 | 219 | 183 | 120 | 94 | 51 | 651 |
| 1.10.10.10.10.10 | 31-60 | AVERAGE | 40 | 64 | 272 | 629 | 1168 | 1590 | 1823 | 1535 | 1304 | 736 | 372 | 147 | 9679 |
| KT ~ | | STD DEV | 22 | 25 | 69 | 112 | 159 | 181 | 253 | 229 | 172 | 120 | 101 | 51 | 635 |
| AL STORY | 41-70 | AVERAGE STD DEV | 47 21 | 68 30 | 294 | 614 109 | 1147 144 | 1621 184 | 1843 229 | 1520 149 | 1311 | 737 121 | 398 84 | 153 52 | 9754 537 |
| | 51-80 | AVERAGE | 47 | 73 | 293 | 628 | 1150 | 1624 | 1888 | 149 | 1297 | 740 | 373 | 136 | 9750 |
| NITUTE OF | 51 00 | STD DEV | 25 | 38 | 83 | 109 | 137 | 189 | 193 | 176 | 188 | 127 | 88 | 48 | 525 |
| The Edition | 61-90 | AVERAGE | 43 | 74 | 298 | 644 | 1151 | 1663 | 1823 | 1472 | 1231 | 716 | 362 | 129 | 9604 |
| A A | L | STD DEV | 23 | 41 | 85 | 93 | 137 | 191 | 251 | 192 | 188 | 125 | 95 | 51 | 648 |
| 2200 | 71-00 | AVERAGE | 50 | 72 | 289 | 663 | 1175 | 1630 | 1795 | 1410 | 1196 | 702 | 339 | 127 | 9447 |
| 3299 OH-33 | 31-00 | STD DEV AVERAGE | 32 6 | 40 16 | 68 98 | 65 374 | 157 705 | 216 1048 | 244 1166 | 220 992 | 165 825 | 127 473 | 90 216 | 47 36 | 701 5954 |
| Ohio | 31-00 | STD DEV | 5 | 11 | 38 | 82 | 92 | 147 | 171 | 133 | 133 | 84 | 68 | 19 | 383 |
| OTIIO | 31-60 | AVERAGE | 5 | 13 | 87 | 354 | 718 | 1047 | 1108 | 976 | 847 | 479 | 210 | 32 | 5877 |
| M. T. | | STD DEV | 5 | 10 | 36 | 74 | 93 | 140 | 167 | 126 | 153 | 95 | 57 | 19 | 368 |
| A HOM NO | 41-70 | AVERAGE | 6 | 17 | 96 | 355 | 711 | 1069 | 1160 | 997 | 842 | 458 | 216 | 35 | 5961 |
| | 51_80 | STD DEV AVERAGE | 6 7 | 11 17 | 37 97 | 82 382 | 78 709 | 141 1052 | 149 1208 | 110 1022 | 140 836 | 90 463 | 71 218 | 17 39 | 328 6051 |
| WIT TO THE | 31-00 | STD DEV | 4 | 10 | 43 | 89 | 85 | 135 | 157 | 140 | 128 | 82 | 69 | 20 | 351 |
| 7 134 | 61-90 | AVERAGE | 7 | 18 | 104 | 393 | 688 | 1059 | 1231 | 1031 | 809 | 473 | 222 | 41 | 6075 |
| V 0 | | STD DEV | 4 | 10 | 41 | 95 | 85 | 157 | 168 | 135 | 121 | 78 | 74 | 19 | 352 |
| | 71-00 | AVERAGE | 6 | 18 | 106 | 396 | 693 | 1037 | 1199 | 989 | 800 | 470 | 218 | 40 | 5971 |
| 3399 OK-34 | 31-00 | STD DEV AVERAGE | 5 0 | 11 1 | 36 26 | 89 156 | 99 493 | 160 784 | 173 880 | 148 657 | 122 496 | 77 196 | 70 48 | 22 3 | 426 3742 |
| Oklahoma | 31 00 | STD DEV | 0 | 2 | 17 | 51 | 91 | 117 | 140 | 125 | 116 | 59 | 24 | 3 | 291 |
| Okianoma | 31-60 | AVERAGE | 0 | 1 | 22 | 146 | 503 | 765 | 854 | 656 | 518 | 200 | 49 | 2 | 3716 |
| N. The Co. | | STD DEV | 1 | 2 | 14 | 53 | 86 | 96 | 140 | 118 | 129 | 57 | 24 | 2 | 308 |
| DY-HOM A | 41-70 | AVERAGE | 0 | 1 | 25 | 154 | 487 | 782 | 879 | 660 | 538 | 188 | 46 | 3 | 3764 |
| | 51-80 | STD DEV AVERAGE | 1 0 | 2 1 | 13 26 | 54 161 | 83 495 | 101 781 | 109 909 | 99 675 | 129 511 | 62 188 | 23 47 | 2 | 246 3795 |
| WITH THE | 31 00 | STD DEV | 0 | 2 | 20 | 57 | 92 | 94 | 143 | 131 | 128 | 61 | 25 | 2 | 258 |
| The state of the s | 61-90 | AVERAGE | 0 | 2 | 29 | 166 | 476 | 812 | 918 | 686 | 482 | 184 | 47 | 3 | 3804 |
| 0 | | STD DEV | 0 | 2 | 20 | 52 | 85 | 133 | 150 | 129 | 110 | 63 | 24 | 3 | 264 |
| 3499 | 71-00 | AVERAGE STD DEV | 0 | 2 2 | 29 21 | 165 46 | 491 98 | 799 136 | 896 144 | 652 147 | 463 82 | 200 62 | 50 24 | 3 | 3752 307 |
| OR-35 | 31-00 | AVERAGE | 66 | 69 | 160 | 394 | 639 | 806 | 843 | 663 | 628 | 475 | 319 | 164 | 5226 |
| Oregon | 31 00 | STD DEV | 27 | 27 | 49 | 58 | 79 | 80 | 116 | 84 | 75 | 71 | 66 | 47 | 331 |
| 2109011 | 31-60 | AVERAGE | 68 | 76 | 162 | 390 | 648 | 792 | 873 | 690 | 647 | 464 | 310 | 170 | 5289 |
| M. C. | 41 5 | STD DEV | 27 | 25 | 44 | 64 | 76 | 78 | 137 | 84 | 81 | 69 | 69 | 48 | 369 |
| AT LOW THE | 41-70 | AVERAGE STD DEV | 69 29 | 79 27 | 164 | 402 63 | 635 67 | 800 68 | 870 126 | 663 81 | 658 62 | 492 68 | 328 63 | 173 50 | 5331 291 |
| ELT-FILLS | 51-80 | AVERAGE | 66 | 27 77 | 163 | 396 | 640 | 798 | 850 | 653 | 656 | 503 | 336 | 169 | 5307 |
| WITH | | STD DEV | 27 | 31 | 51 | 52 | 68 | 75 | 103 | 76 | 64 | 68 | 62 | 54 | 256 |
| The Bally | 61-90 | AVERAGE | 68 | 67 | 168 | 399 | 636 | 825 | 835 | 650 | 623 | 494 | 336 | 158 | 5260 |
| 1 0 | B1 0.5 | STD DEV | 25 | 29 | 54 | 58 | 74 | 88 | 93 | 76 | 67 | 75 | 50 | 48 | 256 |
| 3599 | 11-00 | AVERAGE | 63 28 | 61 27 | 155 | 395 55 | 637 88 | 819 88 | 816 91 | 647 78 | 605 72 | 471 69 | 319 64 | 162 46 | 5150 |
| PA-36 | 31-00 | STD DEV AVERAGE | 28 7 | 17 | 51 | 386 | 683 | 1023 | 1134 | 981 | 825 | 476 | 207 | 46 36 | 319 5875 |
| Pennsylvania | | STD DEV | 5 | 10 | 35 | 80 | 81 | 126 | 156 | 118 | 115 | 74 | 62 | 18 | 337 |
| . Simoyivama | 31-60 | AVERAGE | 5 | 15 | 92 | 360 | 686 | 1026 | 1081 | 965 | 837 | 468 | 192 | 31 | 5757 |
| KT TO | 41 50 | STD DEV | 4 | 9 | 33 | 71 | 79 | 121 | 157 | 120 | 137 | 87 | 49 | 17 | 320 |
| A HOMEN | 41-70 | AVERAGE STD DEV | 7 5 | 18 10 | 99 38 | 362 76 | 682 68 | 1049 119 | 1131 141 | 983 101 | 832 126 | 459 84 | 206 67 | 34 16 | 5861 315 |
| ELT-FATTA | 51-80 | AVERAGE | 8 | 10 17 | 101 | 391 | 685 | 1031 | 1164 | 1001 | 830 | 84 465 | 215 | 40 | 5948 |
| WILLAND | 52 00 | STD DEV | 5 | 9 | 39 | 81 | 79 | 123 | 133 | 123 | 104 | 75 | 67 | 19 | 310 |
| The Edit of | 61-90 | AVERAGE | 8 | 19 | 110 | 404 | 675 | 1033 | 1195 | 1011 | 815 | 486 | 220 | 42 | 6018 |
| A A | | STD DEV | 5 | 10 | 39 | 89 | 80 | 133 | 143 | 112 | 96 | 68 | 66 | 17 | 280 |
| 2600 | 71-00 | AVERAGE | 8 | 18 | 110 | 411 | 681 | 1006 | 1159 | 974 | 809 | 478 | 214 | 41 | 5913 |
| 3699 | | STD DEV | 5 | 10 | 29 | 85 | 89 | 138 | 152 | 124 | 103 | 64 | 61 | 19 | 356 |
| | | | | | | | | | | | | | | | |



Heating Degree Days

Rhode Island – Utah

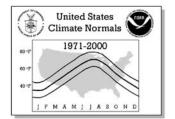
| State/Region | E | lement | JUL | AUG | SEP | OCT | NOV | DEC | | FEB | MAR | APR | MAY | JUN | ANNUAL |
|--|--------------|--------------------|----------|----------|-------------|-----------|------------|-------------|-------------|-------------|-------------|------------|-----------|-----------|-------------|
| RI-37 | 31-00 | AVERAGE | 5 | 15 | 105 | 372 | 637 | 982 | 1105 | 970 | 859 | 558 | 281 | 62 | 5952 |
| Rhode Island | 21 62 | STD DEV | 5 | 11 | 35 | 67 | 74 | 117 | 130 | 104 | 85 | 64 | 59 | 24 | 330 |
| | 31-60 | AVERAGE | 6 4 | 16 12 | 100 | 359 62 | 637 73 | 990 114 | 1079 135 | 968 111 | 871 99 | 563 68 | 282 56 | 64 26 | 5934 338 |
| ATTIME S | 41-70 | STD DEV AVERAGE | 6 | 18 | 107 | o∠ 355 | 631 | 1011 | 1111 | 973 | 870 | 556 | 297 | ∠6 65 | 5997 |
| 7-1-10-10 | 11 70 | STD DEV | 5 | 13 | 40 | 58 | 64 | 114 | 124 | 85 | 89 | 69 | 67 | 26 | 312 |
| | 51-80 | AVERAGE | 6 | 16 | 113 | 381 | 637 | 997 | 1120 | 977 | 864 | 551 | 291 | 66 | 6018 |
| NE TUANS | | STD DEV | 5 | 12 | 41 | 67 | 73 | 118 | 119 | 101 | 78 | 69 | 67 | 25 | 311 |
| The state of | 61-90 | AVERAGE | 6 | 15 | 113 | 384 | 634 | 991 | 1136 | 984 | 853 | 560 | 289 | 64 | 6028 |
| 8 0 | | STD DEV | 5 | 12 | 39 | 74 | 75 | 123 | 128 | 94 | 71 | 64 | 59 | 24 | 281 |
| 3799 | 71-00 | AVERAGE STD DEV | 5 4 | 13 8 | 105 | 388 74 | 635 79 | 955 123 | 1113 124 | 958 109 | 840 76 | 549 61 | 270 52 | 58 25 | 5887 335 |
| SC-38 | 31-00 | AVERAGE | 0 | 0 | 9 | 137 | 357 | 598 | 643 | 508 | 369 | 132 | 29 | 25 | 2785 |
| South Carolina | 31 00 | STD DEV | 0 | 0 | 6 | 48 | 78 | 112 | 136 | 103 | 95 | 43 | 17 | 2 | 275 |
| | 31-60 | AVERAGE | 0 | 0 | 8 | 124 | 363 | 597 | 595 | 490 | 381 | 125 | 24 | 1 | 2708 |
| The same of | | STD DEV | 0 | 0 | 5 | 42 | 73 | 116 | 139 | 111 | 114 | 36 | 13 | 1 | 265 |
| AL HOR NE | 41-70 | AVERAGE | 0 | 0 | 10 | 132 | 365 | 616 | 637 | 514 | 387 | 120 | 25 | 1 | 2806 |
| | F1 00 | STD DEV | 0 | 0 0 | 8 | 45 145 | 71 362 | 106 | 122 665 | 112 532 | 109 380 | 43 124 | 15 29 | 2 | 274 |
| | 51-80 | AVERAGE STD DEV | 0 | 0 | 7 | 46 | 36∠ 74 | 601 104 | 133 | 111 | 98 | 40 | 29 17 | 2 | 2850 263 |
| THE THE | 61-90 | AVERAGE | 0 | 0 | 11 | 148 | 345 | 598 | 698 | 535 | 362 | 136 | 33 | 2 | 2868 |
| 1 | | STD DEV | 0 | 0 | 7 | 55 | 81 | 111 | 132 | 102 | 77 | 46 | 16 | 2 | 281 |
| | 71-00 | AVERAGE | 0 | 0 | 10 | 148 | 346 | 590 | 666 | 506 | 354 | 139 | 34 | 2 | 2795 |
| 3899 | | STD DEV | 0 | 0 | 5 | 54 | 85 | 113 | 133 | 93 | 77 | 46 | 18 | 2 | 279 |
| SD-39 | 31-00 | AVERAGE | 31 | 36 | 190 | 504 | 977 | 1363 | 1510 | 1221 | 1041 | 599 | 293 | 96 | 7862 |
| South Dakota | 31-60 | STD DEV AVERAGE | 20 25 | 20 30 | 65 173 | 88 480 | 128 966 | 165 1326 | 212 1496 | 192 1258 | 158 1080 | 102 599 | 80 293 | 41 98 | 541 7823 |
| | 31-00 | STD DEV | 18 | 16 | 63 | 96 | 124 | 137 | 223 | 202 | 156 | 113 | 93 | 48 | 560 |
| HI Dies of | 41-70 | AVERAGE | 33 | 36 | 202 | 487 | 959 | 1360 | 1523 | 1240 | 1099 | 603 | 307 | 108 | 7957 |
| THE HOSE | | STD DEV | 17 | 18 | 67 | 99 | 115 | 145 | 178 | 132 | 184 | 114 | 77 | 44 | 408 |
| NH DWA | 51-80 | AVERAGE | 32 | 38 | 199 | 503 | 972 | 1372 | 1574 | 1242 | 1084 | 607 | 297 | 96 | 8018 |
| THE HELLY | 61 00 | STD DEV AVERAGE | 16 29 | 19 41 | 67 204 | 99 520 | 107 970 | 149 1413 | 168 1530 | 164 1225 | 171 1022 | 97 587 | 65 291 | 39 92 | 414 7923 |
| Deriver) | 01-90 | STD DEV | 14 | 21 | 65 | 84 | 114 | 173 | 218 | 166 | 160 | 99 | 69 | 34 | 503 |
| | 71-00 | AVERAGE | 36 | 41 | 197 | 533 | 1000 | 1386 | 1503 | 1181 | 992 | 594 | 291 | 94 | 7848 |
| 3999 | | STD DEV | 23 | 22 | 55 | 57 | 144 | 193 | 217 | 202 | 121 | 101 | 70 | 34 | 589 |
| TN-40 | 31-00 | AVERAGE | 0 | 1 | 35 | 232 | 514 | 779 | 855 | 681 | 522 | 234 | 82 | 6 | 3942 |
| Tennessee | 21 60 | STD DEV | 1 | 2 | 18 | 68 | 89 | 130 | 158 | 124 | 118 | 63 | 37 | 5 | 321 |
| | 31-60 | AVERAGE STD DEV | 0 1 | 1 1 | 29 16 | 209 62 | 525 84 | 763 128 | 795 157 | 659 130 | 532 139 | 226 58 | 71 31 | 4 5 | 3812 309 |
| ATT The S | 41-70 | AVERAGE | 0 | 1 | 35 | 224 | 526 | 791 | 843 | 687 | 544 | 216 | 74 | 6 | 3946 |
| 1-1-1-100-1K | | STD DEV | 1 | 2 | 18 | 67 | 76 | 124 | 137 | 135 | 135 | 66 | 35 | 5 | 321 |
| | 51-80 | AVERAGE | 0 | 1 | 36 | 248 | 528 | 785 | 889 | 711 | 539 | 225 | 83 | 8 | 4052 |
| - MILLIA | | STD DEV | 1 | 2 | 20 | 68 | 81 | 118 | 153 | 141 | 124 | 60 | 39 | 6 | 317 |
| Jane Jane | 61-90 | AVERAGE | 0 | 1 | 41 | 254 | 498 | 797 | 925 | 720 | 514 | 238 | 91 | 8 | 4086 |
| 3 | 71-00 | STD DEV AVERAGE | 1 0 | 2 1 | 20 40 | 76 250 | 87 502 | 138 782 | 152 889 | 123 683 | 103 505 | 66 248 | 38 92 | 5 8 | 289 4000 |
| 4099 | , 1 00 | STD DEV | 0 | 2 | 18 | 73 | 97 | 133 | 157 | 115 | 92 | 65 | 41 | 5 | 309 |
| TX-41 | 31-00 | AVERAGE | 0 | 0 | 4 | 59 | 256 | 452 | 524 | 370 | 241 | 69 | 10 | 0 | 1986 |
| Texas | | STD DEV | 0 | 0 | 3 | 27 | 68 | 91 | 110 | 88 | 73 | 27 | 6 | 0 | 209 |
| | 31-60 | AVERAGE | 0 | 0 | 3 | 55 | 265 | 435 | 498 | 362 | 251 | 71 | 10 | 0 | 1949 |
| ATT IN | 41 70 | STD DEV AVERAGE | 0 | 0 | 2 4 | 26 59 | 60 252 | 76 444 | 105 | 86 375 | 81 | 25 64 | 6 9 | 0 | 216 |
| AL HOMAS | 41-70 | STD DEV | 0 | 0 | 2 | 59 25 | 252 57 | 444 82 | 525 100 | 375 88 | 265 80 | 64 25 | 9 4 | 0 | 1996 192 |
| KLIHRIDA | 51-80 | AVERAGE | 0 | 0 | 4 | 65 | 264 | 452 | 541 | 388 | 247 | 65 | 10 | 0 | 2036 |
| N. TARO | | STD DEV | 0 | 0 | 4 | 34 | 74 | 80 | 120 | 97 | 79 | 27 | 6 | 0 | 210 |
| - Salar | 61-90 | AVERAGE | 0 | 0 | 5 | 64 | 243 | 473 | 562 | 398 | 238 | 64 | 9 | 0 | 2056 |
| 4 | 71 00 | STD DEV | 0 | 0 | 4 | 31 | 72 | 106 | 116 | 89 | 70 | 28 | 6 | 0 | 193 |
| 4199 | /T-00 | AVERAGE | 0 | 0 0 | 5 4 | 62 28 | 255 77 | 470 101 | 534 114 | 367 92 | 221 49 | 73 29 | 10 6 | 0 0 | 1995 219 |
| UT-42 | 31-00 | STD DEV AVERAGE | 0 13 | 24 | 162 | 466 | 846 | 1141 | 1221 | 964 | 835 | 552 | 307 | 117 | 6648 |
| Utah | 51 00 | STD DEV | 8 | 12 | 52 | 80 | 103 | 114 | 157 | 135 | 111 | 95 | 75 | 43 | 423 |
| Otali | 31-60 | AVERAGE | 13 | 24 | 150 | 448 | 852 | 1108 | 1234 | 982 | 855 | 534 | 302 | 120 | 6622 |
| ATT. | | STD DEV | 6 | 8 | 40 | 73 | 108 | 117 | 177 | 149 | 103 | 86 | 82 | 43 | 413 |
| ALTON A | 41-70 | AVERAGE | 14 | 27 | 166 | 464 | 838 | 1131 | 1227 | 968 | 879 | 563 | 307 | 135 | 6720 |
| The state of the s | F1 00 | STD DEV | 5 | 13 | 59 | 90 | 99 | 94 | 154 | 134 | 106 | 93 | 71 | 42 | 326 |
| 为上午 | 2T-80 | AVERAGE STD DEV | 13 4 | 30 14 | 171 61 | 472 79 | 849 94 | 1153 105 | 1217 140 | 963 123 | 872 112 | 584 81 | 317 74 | 120 39 | 6760 333 |
| L TITA | 61-90 | AVERAGE | 12 | 27 | 180 | 484 | 837 | 1181 | 1243 | 972 | 846 | 572 | 320 | 115 | 6790 |
| Janes A | 51 70 | STD DEV | 5 | 15 | 63 | 93 | 77 | 109 | 129 | 124 | 120 | 100 | 66 | 41 | 385 |
| | 71-00 | AVERAGE | 13 | 22 | 164 | 478 | 853 | 1162 | 1207 | 951 | 794 | 551 | 312 | 106 | 6613 |
| 4299 | | STD DEV | 10 | 11 | 49 | 75 | 104 | 115 | 148 | 122 | 105 | 101 | 71 | 42 | 466 |
| | | | | | | | | | | | | | | | |



Heating Degree Days

Vermont – Wyoming

| State/Region | E | lement | JUL | AUG | SEP | OCT | NOV | | ; JAN | FEB | MAR | APR | MAY | JUN | ANNUAL |
|--|--------|--------------------|----------|----------|-----------|------------|-------------|-------------|-------------|-------------|--------------|------------|-----------|-----------|-------------|
| VT-43 | 31-00 | AVERAGE | 30 | 69 | 235 | 564 | 880 | 1313 | 1480 | 1290 | 1110 | 692 | 345 | 93 | 8102 |
| Vermont | 21 62 | STD DEV | 18 | 28 | 56 | 82 | 93 | 147 | 160 | 129 | 120 | 87 | 78 | 32 | 370 |
| | 31-60 | AVERAGE STD DEV | 29 17 | 67 31 | 223 52 | 545 73 | 879 104 | 1324 138 | 1456 163 | 1287 132 | 1124 | 687 92 | 342 75 | 90 32 | 8053 393 |
| ATTIME D | 41-70 | AVERAGE | 31 | 72 | 225 | 531 | 863 | 1331 | 1488 | 1293 | 1108 | 680 | 358 | 91 | 8071 |
| A LONG | 3 | STD DEV | 20 | 33 | 60 | 72 | 89 | 140 | 150 | 111 | 125 | 88 | 85 | 33 | 343 |
| | 51-80 | AVERAGE | 31 | 69 | 235 | 555 | 869 | 1320 | 1490 | 1298 | 1104 | 688 | 349 | 92 | 8100 |
| ATT HIS | C1 00 | STD DEV | 20 | 30 | 60 | 84 | 92 | 141 | 141 | 126 | 105 | 82 | 88 | 32 | 351 |
| Large S. | 61-90 | AVERAGE STD DEV | 29 16 | 69 28 | 241 59 | 570 87 | 878 85 | 1325 158 | 1507 158 | 1302 124 | 1097 | 691 88 | 344 79 | 97 32 | 8151 298 |
| | 71-00 | AVERAGE | 31 | 68 | 250 | 596 | 886 | 1291 | 1487 | 1277 | 1097 | 693 | 337 | 97 | 8109 |
| 4399 | | STD DEV | 18 | 23 | 49 | 83 | 82 | 163 | 156 | 139 | 111 | 90 | 76 | 34 | 394 |
| VA-44 | 31-00 | AVERAGE | 1 | 2 | 48 | 273 | 544 | 840 | 917 | 773 | 624 | 320 | 114 | 12 | 4467 |
| Virginia | 21 60 | STD DEV AVERAGE | 1 1 | 2 2 | 21 | 69 253 | 81 549 | 124 843 | 150 869 | 112 759 | 111 638 | 65 316 | 41 102 | 8 10 | 309 4384 |
| | 31-00 | STD DEV | 1 | 2 | 21 | 61 | 74 | 124 | 158 | 118 | 136 | 70 | 33 | 7 | 312 |
| MIDE A | 41-70 | AVERAGE | 1 | 2 | 47 | 255 | 546 | 865 | 910 | 779 | 635 | 303 | 105 | 11 | 4457 |
| 17-13-13-13-13-13-13-13-13-13-13-13-13-13- | | STD DEV | 1 | 2 | 21 | 65 | 66 | 119 | 134 | 103 | 129 | 65 | 43 | 7 | 302 |
| | 51-80 | AVERAGE | 1 | 2 | 47 | 277 | 548 | 842 | 942 | 796 | 629 | 307 | 114 | 14 | 4519 |
| THE HELL | 61_90 | STD DEV AVERAGE | 1 1 | 2 2 | 22 52 | 68 287 | 75 532 | 120 843 | 129 976 | 118 803 | 109 612 | 63 328 | 44 121 | 9 14 | 281 4571 |
| David S | 01-90 | STD DEV | 1 | 2 | 22 | 80 | 80 | 129 | 137 | 110 | 89 | 63 | 40 | 8 | 283 |
| | 71-00 | AVERAGE | 1 | 2 | 51 | 291 | 538 | 823 | 942 | 767 | 608 | 319 | 123 | 14 | 4478 |
| 4499 | 0.1 | STD DEV | 1 | 2 | 17 | 76 | 92 | 131 | 143 | 113 | 87 | 63 | 40 | 10 | 316 |
| WA-45 | 3T-00 | AVERAGE STD DEV | 81 29 | 85 30 | 194 | 442 54 | 686 85 | 854 89 | 904 135 | 712 91 | 663 73 | 482 62 | 314 60 | 167 44 | 5585 367 |
| Washington | 31-60 | AVERAGE | 29 84 | 30 96 | 200 | 434 | 692 | 833 | 931 | 91 744 | 682 | 62 475 | 306 | 173 | 5651 |
| | 31 00 | STD DEV | 31 | 24 | 42 | 61 | 84 | 82 | 162 | 100 | 79 | 66 | 64 | 42 | 420 |
| A LITTER OF | 41-70 | AVERAGE | 82 | 95 | 199 | 444 | 685 | 849 | 935 | 709 | 691 | 499 | 321 | 172 | 5681 |
| THE HEAT | F1 00 | STD DEV | 32 | 29 | 48 | 61 | 76 | 83 | 150 | 82 | 67 | 60 | 63 | 47 | 363 |
| 24年 | 51-80 | AVERAGE STD DEV | 83 30 | 94 34 | 199 54 | 447 50 | 693 73 | 847 86 | 923 115 | 702 76 | 694 65 | 508 56 | 328 59 | 175 53 | 5692 314 |
| THE THE | 61-90 | AVERAGE | 82 | 81 | 198 | 451 | 684 | 878 | 897 | 695 | 657 | 498 | 329 | 164 | 5615 |
| 1 | | STD DEV | 24 | 33 | 56 | 53 | 86 | 101 | 111 | 77 | 68 | 61 | 45 | 48 | 292 |
| 4500 | 71-00 | AVERAGE | 77 | 73 | 187 | 450 | 687 | 873 | 877 | 696 | 640 | 476 | 311 | 166 | 5512 |
| 4599 WV-46 | 31-00 | STD DEV AVERAGE | 27 5 | 30 11 | 53 85 | 46 351 | 94 647 | 96 946 | 105 1031 | 81 872 | 69 719 | 58 396 | 58 176 | 45 32 | 346 5270 |
| West Virginia | 31 00 | STD DEV | 4 | 7 | 33 | 79 | 90 | 139 | 168 | 128 | 127 | 75 | 58 | 18 | 343 |
| vvest viigiilia | 31-60 | AVERAGE | 4 | 10 | 76 | 328 | 658 | 947 | 971 | 852 | 740 | 388 | 162 | 26 | 5163 |
| The same of | 41 50 | STD DEV | 4 | 7 | 32 | 71 | 85 | 134 | 172 | 131 | 151 | 81 | 45 | 17 | 325 |
| AL-HOM A | 41-70 | AVERAGE STD DEV | 5 5 | 12 7 | 86 35 | 335 78 | 656 73 | 973 134 | 1028 154 | 880 125 | 736 141 | 378 83 | 168 58 | 30 17 | 5288 338 |
| | 51-80 | AVERAGE | 6 | 11 | 85 | 364 | 657 | 953 | 1074 | 905 | 727 | 391 | 179 | 37 | 5389 |
| MITTER! | | STD DEV | 4 | 7 | 37 | 81 | 80 | 135 | 152 | 138 | 124 | 74 | 60 | 21 | 327 |
| The state of the s | 61-90 | AVERAGE | 6 | 12 | 91 | 369 | 631 | 952 | 1101 | 910 | 698 | 406 | 186 | 37 | 5399 |
| U V | 71_00 | STD DEV AVERAGE | 4 5 | 8 12 | 36 90 | 92 370 | 88 635 | 151 931 | 155 1061 | 126 868 | 106 698 | 71 402 | 61 188 | 17 36 | 328 5296 |
| 4699 | , 1-00 | STD DEV | 4 | 8 | 29 | 88 | 101 | 146 | 163 | 126 | 107 | 70 | 61 | 19 | 354 |
| WI-47 | 31-00 | AVERAGE | 21 | 44 | 175 | 491 | 907 | 1327 | 1490 | 1243 | 1056 | 626 | 315 | 88 | 7784 |
| Wisconsin | | STD DEV | 14 | 23 | 49 | 94 | 109 | 152 | 171 | 144 | 135 | 93 | 84 | 37 | 462 |
| | 31-60 | AVERAGE STD DEV | 17 12 | 37 21 | 162 51 | 471 94 | 915 117 | 1312 135 | 1443 154 | 1255 133 | 1091 | 627 100 | 318 79 | 85 40 | 7735 470 |
| ATTOM B | 41-70 | AVERAGE | 22 | 43 | 177 | 461 | 904 | 1332 | 1491 | 1261 | 1080 | 610 | 324 | 89 | 7795 |
| HILLIAM | . 3 | STD DEV | 13 | 23 | 44 | 94 | 105 | 133 | 145 | 106 | 144 | 93 | 81 | 39 | 367 |
| MATTA | 51-80 | AVERAGE | 22 | 47 | 179 | 486 | 904 | 1334 | 1546 | 1270 | 1083 | 622 | 315 | 90 | 7898 |
| AH HID | 61 00 | STD DEV | 12 | 21 | 102 | 104 | 102 | 135 | 161 | 127 | 128 | 86 621 | 83 | 36 | 360 |
| Driver) | 01-90 | AVERAGE STD DEV | 21 12 | 49 22 | 183 | 506 102 | 893 85 | 1360 162 | 1538 185 | 1265 140 | 1041 | 621 89 | 316 89 | 92 37 | 7884 401 |
| | 71-00 | AVERAGE | 23 | 49 | 184 | 520 | 907 | 1334 | 1513 | 1217 | 1020 | 625 | 310 | 89 | 7791 |
| 4799 | | STD DEV | 15 | 24 | 51 | 89 | 113 | 176 | 182 | 161 | 124 | 95 | 88 | 34 | 508 |
| WY-48 | 31-00 | AVERAGE | 54 | 77 26 | 298 | 624 | 1024 | 1301 | 1384 | 1138 | 1051 | 725 | 445 | 200 | 8319 |
| Wyoming | 31-60 | STD DEV AVERAGE | 24 52 | 26 73 | 71 283 | 84 604 | 118 1019 | 128 1263 | 152 1392 | 132 1165 | 119 1089 | 95 725 | 81 446 | 59 204 | 400 8316 |
| 14- | 51 00 | STD DEV | 22 | 19 | 58 | 79 | 116 | 113 | 164 | 143 | 1069 | 93 | 94 | 63 | 401 |
| HITTER A | 41-70 | AVERAGE | 55 | 77 | 300 | 613 | 1007 | 1284 | 1387 | 1138 | 1110 | 729 | 448 | 218 | 8365 |
| (T) - 1) (P) 6) | L | STD DEV | 21 | 26 | 81 | 101 | 112 | 98 | 143 | 121 | 120 | 101 | 79 | 60 | 326 |
| MATE AND | 51-80 | AVERAGE | 52 | 82 | 301 | 619 | 1029 | 1293 | 1404 | 1130 | 1087 | 744 | 447 | 197 | 8385 |
| L HILL | 61-90 | STD DEV AVERAGE | 20 52 | 30 83 | 81 314 | 91 636 | 102 1020 | 123 1342 | 145 1393 | 112 1133 | 122 1042 | 85 724 | 67 451 | 57 194 | 344 8382 |
| Mary A | 51 30 | STD DEV | 18 | 31 | 84 | 95 | 105 | 141 | 152 | 108 | 125 | 102 | 66 | 54 | 391 |
| | 71-00 | AVERAGE | 59 | 78 | 304 | 644 | 1043 | 1331 | 1376 | 1120 | 994 | 717 | 448 | 190 | 8302 |
| 4899 | | STD DEV | 28 | 29 | 65 | 60 | 126 | 143 | 147 | 126 | 95 | 99 | 71 | 56 | 441 |
| | | | - | | | | | | | | | | | | |



Heating Degree Days

Alaska – Hawaii – Territories – Census Regions Page 14

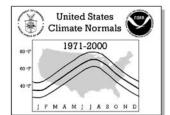
| State/Region | | lement | JUL | AUG | SEP | | NOV | | | FEB | MAR | APR | MAY | JUN | ANNUAL |
|--|----------------|--------------------|-----------|-----------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|--------------|
| AK-50 | 31-00 | AVERAGE STD DEV | 275 36 | 346 50 | 568 59 | 995 103 | 1361 155 | 1629 199 | 1682 222 | 1395 179 | 1351 142 | 962 93 | 650 63 | 369 53 | 11584 609 |
| Alaska | 31-60 | AVERAGE | 280 | 348 | 566 | 961 | 1338 | 1656 | 1695 | 1392 | 1368 | 954 | 648 | 361 | 11567 |
| JA CONTRA | | STD DEV | 35 | 46 | 45 | 105 | 169 | 203 | 218 | 186 | 127 | 89 | 54 | 60 | 634 |
| S. S. C. Y. | 41-70 | AVERAGE STD DEV | 285 34 | 354 48 | 567 49 | 991 96 | 1364 167 | 1676 221 | 1700 199 | 1387 168 | 1369 162 | 982 77 | 656 68 | 371 60 | 11702 570 |
| The second second | 51-80 | AVERAGE | 282 | 346 | 569 | 1005 | 1355 | 1684 | 1728 | 1417 | 1396 | 986 | 663 | 386 | 11815 |
| | C1 00 | STD DEV | 36 277 | 51 346 | 47 568 | 93 1013 | 170 1393 | 206 1618 | 210 | 171 1411 | 163 1344 | 84 990 | 68 661 | 57 388 | 609 11678 |
| A Marchalle | 01-90 | AVERAGE STD DEV | 34 | 53 | 50 | 89 | 148 | 214 | 1671 255 | 176 | 163 | 990 | 69 | 47 | 588 |
| | 71-00 | AVERAGE | 264 | 338 | 573 | 1021 | 1376 | 1586 | 1658 | 1405 | 1331 | 961 | 641 | 371 | 11525 |
| 5099 HI-51 | 61-00 | STD DEV AVERAGE | 36 0 | 52 0 | 72 0 | 96 0 | 153 1 | 177 3 | 245 7 | 192 6 | 139 | 107 2 | 66 1 | 43 0 | 629 23 |
| Hawaii | 01 00 | STD DEV | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 4 | 2 | 1 | 1 | 0 | 11 |
| 0 | | | | | | | | | | | | | | | |
| 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | | | | | | | | | | | | | |
| So | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| | 61-90 | AVERAGE | 0 | 0 | 0 | 0 | 1 1 | 3 | 6 4 | 6 5 | 4 3 | 1 1 | 1 1 | 0 | 22 |
| ~ | 71-00 | STD DEV AVERAGE | 0 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 6 | 4 | 1 | 1 | 0 | 12 20 |
| 5199 | | STD DEV | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 3 | 2 | 1 | 1 | 0 | 9 |
| PR-66 Puerto Rico | 31-00 | AVERAGE STD DEV | 0 0 | 0 | 0 | 0 | 0 | 0 1 | 1 1 | 1 1 | 1 | 0 0 | 0 | 0 | 3 |
| Puerto Rico | 31-60 | AVERAGE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | 41 70 | STD DEV AVERAGE | 0 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 0 | 2 1 | 0 | 0 0 | 0 | 3 2 |
| San Harry | 41-70 | STD DEV | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 3 |
| Eman source | 51-80 | AVERAGE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| | 61-90 | STD DEV AVERAGE | 0 | 0 | 0 | 0 | 0 | 1 1 | 1 1 | 1 1 | 2 1 | 0 0 | 0 | 0 | 3 |
| | | STD DEV | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 3 |
| 6699 | 71-00 | AVERAGE STD DEV | 0 | 0 | 0 0 | 0 | 0 | 1 1 | 1 1 | 1 1 | 2 1 | 0 0 | 0 | 0 | 4 2 |
| VI-67 | 31-00 | AVERAGE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virgin Islands | 21 60 | STD DEV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 31-60 | AVERAGE STD DEV | 0 0 | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| | 41-70 | AVERAGE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| The state of | 51-80 | STD DEV AVERAGE | 0 0 | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| government, | | STD DEV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | J 61-90 | AVERAGE STD DEV | 0 0 | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 0 | 0 0 | 0 0 | 0 | 0 |
| | 71-00 | AVERAGE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6799 | 61 00 | STD DEV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PI-91 Pacific Islands | 61-00 | AVERAGE STD DEV | 0 | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 0 | 0 0 | 0 | 0 |
| / acilic islatius | | | | | | | | | | | | | | | |
| Ď. | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| South the | | | | | | | | | | | | | | | |
| The state of the s | 61-90 | AVERAGE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 Astra | 71 00 | STD DEV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9199 | /1-00 | AVERAGE STD DEV | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 0 | 0 0 | 0 | 0 | 0 |
| Census Region-01 | 31-00 | AVERAGE | 11 | 28 | 147 | 442 | 728 | 1104 | 1238 | 1078 | 933 | 591 | 288 | 67 | 6655 |
| New England | 31-60 | STD DEV AVERAGE | 7 11 | 15 28 | 39 139 | 71 423 | 77 727 | 123 1113 | 135 1212 | 109 1078 | 95 946 | 69 592 | 61 284 | 24 68 | 337 6621 |
| The same of | | STD DEV | 6 | 16 | 37 | 66 | 80 | 119 | 139 | 114 | 113 | 77 | 60 | 26 | 353 |
| (L 502) | 41-70 | AVERAGE STD DEV | 12 8 | 31 17 | 144 44 | 417 62 | 720 68 | 1127 119 | 1243 125 | 1085 94 | 941 | 586 75 | 299 70 | 68 25 | 6673 326 |
| D 1-733 | 51-80 | AVERAGE | 12 | 29 | 152 | 443 | 726 | 1115 | 1249 | 1089 | 938 | 586 | 297 | 69 | 6705 |
| man of | 61 00 | STD DEV | 8 11 | 16 | 44 156 | 71 | 75 727 | 121 | 121 1272 | 105 1092 | 83 | 68 504 | 69 | 24 | 322 |
| V) | 01-90 | AVERAGE STD DEV | 7 | 29 16 | 42 | 454 76 | 75 | 1115 130 | 133 | 97 | 926 78 | 594 65 | 295 62 | 70 23 | 6742 275 |
| 5001 | 71-00 | AVERAGE | 11 | 26 | 153 | 467 | 727 | 1078 | 1246 | 1060 | 913 | 583 | 281 | 66 | 6612 |
| 5801 | | STD DEV | 7 | 11 | 35 | 72 | 78 | 134 | 135 | 111 | 84 | 63 | 55 | 25 | 342 |



Heating Degree Days

Census Regions

| State/Region | Element | JUL | AUG | SEP | OCT | NOV | / DEC |) JAN | FEB | MAR | APR | MAY | JUN | ANNUAL |
|---|----------------------|------|----------|-----------|-----------|------------|-------------|-------------|-------------|------------|-----------|-----------|----------|-------------|
| Census Region-02 | 31-00 AVERA | | 15 | 98 | 376 | 671 | 1021 | 1145 | 997 | 848 | 500 | 218 | 36 | 5930 |
| Middle Atlantic | STD D | | 8 | 32 | 76 | 79 | 121 | 147 | 115 | 106 | 72 | 59 | 16 | 333 |
| M | 31-60 AVERA STD D | | 13 8 | 92 32 | 356 70 | 674 80 | 1029 116 | 1108 150 | 992 119 | 864 126 | 499 83 | 211 51 | 33 17 | 5877 338 |
| 1 Con 2 | 41-70 AVERA | - | 15 | 94 | 351 | 667 | 1047 | 1150 | 1002 | 857 | 488 | 222 | 35 | 5932 |
| 16 4 802 | STD D | | 9 | 35 | 69 | 69 | 114 | 134 | 95 | 114 | 80 | 67 | 16 | 308 |
| 10 17 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 51-80 AVERA | | 15 | 98 | 377 | 670 | 1029 | 1169 | 1012 | 852 | 491 | 225 | 39 | 5983 |
| The war of | STD D | | 8 16 | 36 | 78 390 | 78 664 | 118 | 124 | 116 | 93 | 72 505 | 66 | 18 | 304 |
| V) | 61-90 AVERA STD D | _ | 8 | 104 36 | 84 | 77 | 1028 127 | 1193 138 | 1018 108 | 836 | 505 66 | 225 64 | 41 16 | 6028 280 |
| | 71-00 AVERA | - | 16 | 105 | 399 | 667 | 998 | 1158 | 983 | 827 | 496 | 217 | 39 | 5910 |
| 5802 | STD D | | 8 | 27 | 80 | 81 | 133 | 146 | 121 | 95 | 63 | 56 | 18 | 353 |
| Census Region-03 | 31-00 AVERA | | 24 13 | 113 38 | 399 84 | 765 96 | 1136 | 1271 162 | 1070 132 | 892 | 511 84 | 241 72 | 48 | 6477 |
| East North Central | STD D 31-60 AVERA | | 19 | 104 | 378 | 96 778 | 144 1127 | 1215 | 1063 | 131 916 | 515 | 241 | 23 46 | 390 6407 |
| Marie 1 | STD D | - | 11 | 38 | 78 | 101 | 134 | 148 | 123 | 149 | 91 | 64 | 24 | 386 |
| 17 | 41-70 AVERA | | 24 | 112 | 376 | 767 | 1147 | 1267 | 1078 | 911 | 496 | 245 | 48 | 6478 |
| | STD D 51-80 AVERA | | 13 25 | 36 | 84 400 | 88 766 | 135 | 136 | 103 | 141 | 88 502 | 73 241 | 22 | 319 |
| 2171 | STD D | | 25 12 | 112 38 | 93 | 90 | 1139 127 | 1317 152 | 1096 132 | 910 124 | 80 80 | 71 | 50 22 | 6568 335 |
| Duran) | 61-90 AVERA | GE 9 | 27 | 118 | 418 | 747 | 1156 | 1329 | 1104 | 879 | 507 | 243 | 51 | 6588 |
| - , | STD D | - | 13 | 36 | 96 | 79 | 154 | 169 | 132 | 119 | 81 | 78 | 22 | 341 |
| 5803 | 71-00 AVERA | | 26 15 | 121 38 | 424 86 | 757 100 | 1135 161 | 1302 169 | 1061 150 | 864 117 | 510 82 | 238 74 | 50 23 | 6498 433 |
| Census Region-04 | STD D 31-00 AVERA | | 15 27 | 134 | 401 | 835 | 1231 | 1378 | 1102 | 901 | 480 | 212 | 51 | 6765 |
| West North Central | STD D | EV 9 | 14 | 41 | 80 | 105 | 146 | 169 | 153 | 141 | 84 | 62 | 22 | 428 |
| Troot total contact | 31-60 AVERA | | 23 | 124 | 383 | 840 | 1204 | 1348 | 1115 | 935 | 487 | 216 | 52 | 6739 |
| 1 Fag of | STD D 41-70 AVERA | | 12 27 | 42 140 | 83 383 | 105 826 | 124 1228 | 160 1378 | 150 1114 | 146 943 | 87 478 | 64 220 | 26 55 | 441 6807 |
| 1025 | STD D | | 13 | 38 | 83 | 94 | 127 | 127 | 106 | 158 | 90 | 62 | 24 | 318 |
| | 51-80 AVERA | | 28 | 139 | 402 | 830 | 1232 | 1433 | 1125 | 935 | 477 | 211 | 51 | 6877 |
|) france of | STD D | | 13 | 39 | 90 | 92 | 125 | 148 | 139 | 146 | 80 | 57 | 20 | 318 |
| V) | 61-90 AVERA STD D | | 30 14 | 142 37 | 417 83 | 819 85 | 1269 157 | 1414 186 | 1125 146 | 884 140 | 467 85 | 211 62 | 50 21 | 6840 383 |
| | 71-00 AVERA | | 29 | 139 | 424 | 840 | 1248 | 1390 | 1078 | 858 | 472 | 208 | 49 | 6750 |
| 5804 | STD D | | 15 | 40 | 68 | 116 | 168 | 183 | 175 | 114 | 85 | 60 | 20 | 474 |
| Census Region-05 | 31-00 AVERA STD D | | 1 1 | 23 10 | 155 42 | 349 61 | 566 97 | 626 119 | 511 89 | 388 | 177 38 | 57 21 | 6 4 | 2858 237 |
| South Atlantic | 31-60 AVERA | - | 1 | 20 | 143 | 355 | 566 | 588 | 498 | 398 | 173 | 51 | 5 | 2798 |
| MI D | STD D | | 1 | 9 | 37 | 58 | 97 | 122 | 96 | 97 | 38 | 17 | 3 | 229 |
| 1/ Cours | 41-70 AVERA | | 1 | 23 | 148 | 357 | 586 | 623 | 519 | 401 | 167 | 53 | 5 | 2884 |
| 1 2 | STD D 51-80 AVERA | - | 1 1 | 11 23 | 40 161 | 54 357 | 91 576 | 103 649 | 93 535 | 90 396 | 40 171 | 22 59 | 3 7 | 238 2935 |
| The way | STD D | - | 1 | 11 | 42 | 57 | 91 | 109 | 96 | 78 | 37 | 23 | 4 | 222 |
| Luxus | 61-90 AVERA | | 1 | 25 | 164 | 341 | 571 | 672 | 536 | 381 | 181 | 62 | 7 | 2942 |
| | STD D | | 1 | 11 | 49 | 62 | 101 | 114 | 86 | 63 | 38 | 22 | 4 | 232 |
| 5805 | 71-00 AVERA STD D | | 1 1 | 24 8 | 164 47 | 339 66 | 555 99 | 643 118 | 507 83 | 373 64 | 179 38 | 61 22 | 7 4 | 2853 239 |
| Census Region-06 | 31-00 AVERA | | 1 | 29 | 198 | 461 | 712 | 788 | 621 | 469 | 204 | 68 | 5 | 3555 |
| East South Central | STD D | | 2 | 15 | 60 | 84 | 125 | 153 | 118 | 109 | 56 | 30 | 4 | 304 |
| M | 31-60 AVERA STD D | | 1 1 | 24 13 | 179 56 | 471 80 | 697 121 | 730 153 | 598 124 | 477 129 | 196 50 | 60 25 | 4 | 3437 293 |
| 1) Tom se | 41-70 AVERA | | 1 | 29 | 192 | 473 | 723 | 779 | 626 | 490 | 187 | 62 | 5 | 3568 |
| 1 4 8 3 | STD D | EV 1 | 2 | 14 | 60 | 72 | 116 | 133 | 129 | 123 | 58 | 28 | 4 | 301 |
| 1 | 51-80 AVERA | | 1 | 29 | 213 | 476 | 719 | 822 | 650 | 484 | 195 | 69 | 7 | 3666 |
| many | STD D 61-90 AVERA | | 2 2 | 17 33 | 62 217 | 78 446 | 112 728 | 147 855 | 134 659 | 114 462 | 53 206 | 32 75 | 5 7 | 299 3688 |
| 9 | STD D | | 2 | 16 | 67 | 84 | 134 | 147 | 116 | 96 | 58 | 32 | 4 | 279 |
| | 71-00 AVERA | | 1 | 32 | 213 | 449 | 715 | 820 | 623 | 452 | 216 | 76 | 7 | 3603 |
| 5806 Census Region-07 | STD D 31-00 AVERA | | 2 | 15 8 | 64 79 | 92 295 | 131 504 | 150 579 | 108 417 | 86 284 | 57 90 | 33 16 | 5 1 | 296 2273 |
| West South Central | STD D | | 1 | 8 5 | 30 | 295 69 | 93 | 113 | 92 | 79 | 31 | 8 | 1 | 2273 |
| WOOL OOULI OGIILIAI | 31-60 AVERA | GE 0 | 0 | 6 | 72 | 304 | 486 | 550 | 408 | 295 | 92 | 17 | 0 | 2230 |
| The S | STD D | | 0 | 4 | 30 | 61 | 78 | 108 | 90 | 88 | 28 | 8 | 1 | 221 |
| (- 1 302 c) | 41-70 AVERA STD D | | 0 | 7 4 | 78 30 | 292 59 | 498 83 | 579 99 | 422 91 | 309 87 | 84 30 | 15 7 | 0 1 | 2285 197 |
| 1) 13 | 51-80 AVERA | | 0 | 8 | 85 | 303 | 504 | 599 | 436 | 292 | 86 | 16 | 1 | 2330 |
| 125 | STD D | | 1 | 6 | 37 | 75 | 79 | 122 | 101 | 85 | 31 | 9 | 1 | 217 |
| | 61-90 AVERA | | 0 | 9 | 85 | 281 | 525 | 620 | 447 | 279 | 85 | 16 | 1 | 2348 |
| 8,6 | STD D 71-00 AVERA | | 1 0 | 6 9 | 33 83 | 72 293 | 107 520 | 120 593 | 93 414 | 75 263 | 32 94 | 8 17 | 1 1 | 203 2286 |
| 5807 | STD D | | 1 | 6 | 30 | 78 | 105 | 117 | 97 | 53 | 33 | 9 | 1 | 227 |
| | 1 | ı | | | 1 | | | <u> </u> | | | | | l | |



Heating Degree Days

Census Regions

| Chate/Devices | Flame (| | A110 | 055 | 007 | NOV | DE- | | | | A D.D. | NAA. | 11.15. | ANINIIZAI |
|---------------------------|--------------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|----------------|
| State/Region | Element 31-00 AVERAGE | JUL 17 | AUG 29 | SEP 130 | OCT 349 | NOV 670 | DEC 915 | 969 | 760 | MAR 667 | APR 426 | 228 | JUN 85 | ANNUAL 5244 |
| Census Region-08 Mountain | 31-00 AVERAGE STD DEV | 17 7 | 29 10 | 33 | 349 53 | 670 82 | 915 | 969 107 | 760 97 | 83 | 426 67 | 228 44 | 85 24 | 279 |
| iviouritairi | 31-60 AVERAGE | 15 | 26 | 120 | 336 | 672 | 893 | 983 | 784 | 683 | 416 | 225 | 84 | 5236 |
| Jan S | STD DEV | 6 | 6 | 24 | 48 | 85 | 86 | 123 | 111 | 74 | 62 | 51 | 26 | 284 |
| (Tar V | 41-70 AVERAGE | 17 | 29 | 131 | 344 | 663 | 910 | 979 | 769 | 706 | 431 | 228 | 92 | 5301 |
| | STD DEV | 5 17 | 10 | 36 | 62 | 81 | 74 920 | 103 978 | 103 763 | 80 | 66 | 41 235 | 25 | 231 |
| 711 | 51-80 AVERAGE STD DEV | 5 | 32 11 | 134 | 350 55 | 675 72 | 88 | 978 | 94 | 697 87 | 447 58 | 42 | 85 23 | 5333 236 |
| James / | 61-90 AVERAGE | 18 | 32 | 142 | 360 | 666 | 944 | 979 | 759 | 673 | 436 | 237 | 84 | 5328 |
| 7 | STD DEV | 5 | 12 | 38 | 62 | 66 | 88 | 92 | 77 | 91 | 72 | 36 | 23 | 260 |
| | 71-00 AVERAGE | 19 | 30 | 134 | 360 | 676 | 928 | 951 | 737 | 633 | 426 | 233 | 82 | 5209 |
| 5808 Census Region-09 | STD DEV 31-00 AVERAGE | 9 | 11 | 31 | 45 | 84 | 88 | 94 593 | 77 | 73 | 72 309 | 39 190 | 23 | 295 |
| Pacific | STD DEV | 26 9 | 26 10 | 65 20 | 191 38 | 395 62 | 561 69 | 593 88 | 464 71 | 437 69 | 309 62 | 45 | 84 24 | 3342 265 |
| Facilic | 31-60 AVERAGE | 27 | 31 | 67 | 197 | 396 | 552 | 622 | 495 | 450 | 308 | 192 | 91 | 3428 |
| I Tan S | STD DEV | 10 | 8 | 18 | 37 | 65 | 71 | 109 | 69 | 73 | 49 | 46 | 25 | 279 |
| 1 102018 | 41-70 AVERAGE | 28 | 30 | 67 | 197 | 395 | 566 | 616 | 476 | 464 | 327 | 202 | 94 | 3461 |
| 1 6 | STD DEV | 10 | 10 | 20 | 40 | 59 | 63 | 89 | 75 | 57 | 61 | 38 | 26 | 217 |
| | 51-80 AVERAGE STD DEV | 26 9 | 28 11 | 66 20 | 192 39 | 399 53 | 563 72 | 601 66 | 460 68 | 458 60 | 334 64 | 203 42 | 88 28 | 3417 210 |
| James / | 61-90 AVERAGE | 26 | 24 | 68 | 189 | 398 | 577 | 583 | 448 | 438 | 319 | 195 | 80 | 3343 |
| ۷ | STD DEV | 9 | 10 | 24 | 40 | 55 | 71 | 64 | 64 | 63 | 74 | 40 | 23 | 220 |
| | 71-00 AVERAGE | 24 | 22 | 62 | 186 | 396 | 563 | 564 | 439 | 416 | 298 | 182 | 76 | 3226 |
| 5809 | STD DEV | 9 | 9 | 21 | 38 | 66 543 | 71 | 64 | 58 | 66 | 64 | 46 | 21 | 246 |
| National Census Region | 31-00 AVERAGE STD DEV | 9 3 | 15 5 | 74 15 | 269 41 | 543 51 | 819 | 908 96 | 744 80 | 616 73 | 347 42 | 159 30 | 40 9 | 4543 213 |
| Conterminous U.S. | 31-60 AVERAGE | 8 | 15 | 69 | 257 | 549 | 812 | 882 | 745 | 632 | 346 | 157 | 40 | 4510 |
| | STD DEV | 2 | 5 | 14 | 36 | 50 | 76 | 86 | 78 | 82 | 42 | 28 | 9 | 202 |
| | 41-70 AVERAGE | 9 | 16 | 74 | 258 | 543 | 830 | 911 | 752 | 637 | 342 | 163 | 42 | 4577 |
| | STD DEV | 3 | 5 | 14 | 41 | 44 | 76 | 78 | 66 | 81 | 41 | 31 | 8 | 181 |
| | 51-80 AVERAGE STD DEV | 9 2 | 16 5 | 75 15 | 273 45 | 547 49 | 824 72 | 933 92 | 761 83 | 631 71 | 346 41 | 164 30 | 41 8 | 4620 181 |
| | 61-90 AVERAGE | 9 | 16 | 79 | 280 | 534 | 835 | 945 | 763 | 609 | 349 | 164 | 41 | 4622 |
| 15,000 | STD DEV | 2 | 5 | 14 | 47 | 44 | 86 | 102 | 76 | 65 | 45 | 32 | 9 | 189 |
| , , | 71-00 AVERAGE | 9 | 15 | 77 | 282 | 539 | 817 | 917 | 732 | 593 | 345 | 159 | 39 | 4524 |
| 5999 | STD DEV | 2 | 5 | 14 | 42 | 56 | 90 | 104 | 88 | 58 | 46 | 29 | 9 | 235 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| L | | • | | | | | | | | | | | ' | |