# Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

**COOP ID: 444768** 

Lon: 77°47W

Station: LAWRENCEVILLE 3 E, VA

Climate Division: VA 2 NWS Call Sign:

Temperature (°F) Degree Days (1) Mean (1) Mean Number of Days (3) **Extremes** Base Temp 65 Max Max Max Max Min Min Highest Lowest Daily Daily Highest Lowest Month(1) Month(1) Cooling >= >= >= <= <= <= Month Mean Year Day Year Year Day Year Heating Max Min Daily(2) Daily(2) Mean Mean 100 90 50 32 32 0 48.1 25.6 36.9 80 1952 2 46.1 1974 -10 1985 21 26.1 1977 873 0 .0 .0 14.5 2.0 22.4 .3 Jan 52.0 27.1 39.6 83 1977 26 47.6 1990 1979 10 28.8 1979 714 0 .0 .0 17.8 .9 19.1 .1 Feb -6 Mar 60.4 34.9 47.7 89+ 1990 13 52.0 2000 8 1980 2 42.0 1996 539 0 .0 .0 26.6 .1 13.2 0. 42.1 17 1975 4.5 Apr 69.2 55.7 96 1990 28 60.3 1994 1985 10 51.0 286 6 .0 .5 29.7 .0 .0 May 77.1 51.5 64.3 98 1991 31 69.0 1991 28 +1976 9 61.6 1988 83 62 .0 1.3 31.0 .0 .2 .0 72.2 103+ 1959 68.3+ 7.1 Jun 84.2 60.2 30 76.4 1981 36 1976 6 1979 8 223 .0 30.0 .0 .0 .0 Jul 88.3 64.6 76.5 107 1952 29 80.4 46 1988 2 73.1 1975 0 355 14.2 31.0 0. .0 1986 .4 .0 86.7 63.2 75.0 103 1953 31 79.6 1980 40 1976 31 71.5 1981 309 .3 10.4 31.0 .0 .0 .0 Aug 34 35 @ Sep 80.8 56.5 68.7 106 1954 6 73.4 1980 1951 30 64.3 1988 143 3.1 30.0 .0 .0 .0 44.3 57.7 5 27 50.9 1987 255 27 Oct 71.0 97 1954 64.4 1984 16 1962 .0 .1 30.8 .0 3.5 .0 35.5 48.6 1993 16 58.8 1985 9 1970 25 41.8 1976 496 2 .0 .0 26.5 .0 12.0 .0 Nov 61.6 86+ Dec 52.0 28.8 40.4 81 1998 8 48.5 1971 -2 1958 16 30.0 1989 763 0 .0 .0 18.9 1.1 19.7 .0 Jul Jul Jan Jan 69.3 44.5 56.9 107 1952 29 80.4 1986 -10 1985 21 1977 4053 1127 .7 36.7 317.8 4.1 94.6 26.1 .4 Ann

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004 032-A

(1) From the 1971-2000 Monthly Normals

Elevation: 325 Feet Lat: 36°46N

- (2) Derived from station's available digital record: 1948-2001
- (3) Derived from 1971-2000 serially complete daily data

<sup>+</sup> Also occurred on an earlier date(s)

<sup>@</sup> Denotes mean number of days greater than 0 but less than .05

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Station: LAWRENCEVILLE 3 E, VA

COOP ID: 444768

Climate Division: VA 2 NWS Call Sign: Elevation: 325 Feet Lat: 36°46N Lon: 77°47W

|       |             |             |                     |             |        |                       |             |                      |             | Pı         | recipit       | tation     | (incl      | ies)   |       |       |       |       |       |       |       |       |       |       |  |  |
|-------|-------------|-------------|---------------------|-------------|--------|-----------------------|-------------|----------------------|-------------|------------|---------------|------------|------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
|       | Mea<br>Medi |             | P                   | recipi      | itatio | n Total               |             |                      |             |            | ean N<br>of D | ays (3     | )          | Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount  Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution |       |       |       |       |       |       |       |       |       |       |  |  |
| Month | Mean        | Med-<br>ian | Highest<br>Daily(2) | Year        | Day    | Highest<br>Monthly(1) | Year        | Lowest<br>Monthly(1) | Year        | >=<br>0.01 | >=<br>0.10    | >=<br>0.50 | >=<br>1.00 | .05  | .10   | .20   | .30   | .40   | .50   | .60   | .70   | .80   | .90   | .95   |  |  |
| Jan   | 3.89        | 3.83        | 2.53                | 1985        | 3      | 7.29                  | 1985        | .80                  | 1981        | 9.6        | 7.1           | 3.2        | .9         | 1.46   | 1.82  | 2.34  | 2.78  | 3.19  | 3.61  | 4.07  | 4.59  | 5.27  | 6.30  | 7.25  |  |  |
| Feb   | 3.26        | 3.06        | 5.08                | 1984        | 14     | 8.53                  | 1984        | .62                  | 1978        | 8.5        | 6.1           | 2.4        | .9         | .89  | 1.19  | 1.66  | 2.08  | 2.48  | 2.90  | 3.37  | 3.93  | 4.65  | 5.79  | 6.85  |  |  |
| Mar   | 4.41        | 4.08        | 2.70                | 1993        | 4      | 8.70                  | 1994        | .95                  | 1985        | 10.0       | 7.5           | 2.9        | 1.2        | 1.52   | 1.94  | 2.55  | 3.06  | 3.55  | 4.05  | 4.60  | 5.24  | 6.07  | 7.34  | 8.51  |  |  |
| Apr   | 3.28        | 3.08        | 3.35                | 1978        | 26     | 6.73                  | 1987        | .37                  | 1976        | 8.7        | 6.2           | 2.2        | .6         | .70  | 1.00  | 1.48  | 1.92  | 2.35  | 2.82  | 3.35  | 3.98  | 4.82  | 6.15  | 7.41  |  |  |
| May   | 3.88        | 3.82        | 3.40                | 1958        | 6      | 7.54                  | 1971        | 1.01                 | 1988        | 9.5        | 6.7           | 3.0        | 1.0        | 1.57   | 1.93  | 2.43  | 2.85  | 3.24  | 3.63  | 4.06  | 4.56  | 5.18  | 6.14  | 7.01  |  |  |
| Jun   | 3.48        | 3.05        | 4.45                | 1972        | 21     | 8.26                  | 1972        | .77                  | 1986        | 9.1        | 6.4           | 2.3        | .7         | 1.21   | 1.54  | 2.02  | 2.42  | 2.80  | 3.20  | 3.63  | 4.13  | 4.78  | 5.77  | 6.69  |  |  |
| Jul   | 4.59        | 3.55        | 4.57                | 1966        | 30     | 10.58                 | 1975        | 1.07                 | 1983        | 9.4        | 7.0           | 3.2        | 1.2        | 1.08   | 1.51  | 2.18  | 2.78  | 3.38  | 4.01  | 4.72  | 5.57  | 6.68  | 8.44  | 10.10 |  |  |
| Aug   | 4.23        | 4.25        | 4.27                | 1977        | 24     | 9.13                  | 1986        | .51                  | 1976        | 8.1        | 6.2           | 2.8        | 1.4        | .88  | 1.27  | 1.89  | 2.45  | 3.02  | 3.63  | 4.31  | 5.14  | 6.23  | 7.97  | 9.61  |  |  |
| Sep   | 4.63        | 3.10        | 6.75                | 1999        | 4      | 21.80                 | 1999        | .28                  | 1990        | 7.3        | 5.5           | 2.8        | 1.5        | .60  | .98   | 1.64  | 2.28  | 2.96  | 3.71  | 4.59  | 5.66  | 7.12  | 9.50  | 11.81 |  |  |
| Oct   | 3.68        | 3.23        | 8.11                | 1972        | 5      | 11.52                 | 1972        | .00                  | 2000        | 6.9        | 4.9           | 2.4        | 1.2        | .46  | .92   | 1.55  | 2.07  | 2.60  | 3.16  | 3.79  | 4.54  | 5.53  | 7.12  | 8.62  |  |  |
| Nov   | 3.47        | 3.14        | 5.35                | 1985        | 4      | 14.26                 | 1985        | 1.01                 | 1974        | 8.2        | 5.6           | 2.4        | .9         | .88  | 1.21  | 1.71  | 2.16  | 2.60  | 3.07  | 3.58  | 4.20  | 5.00  | 6.27  | 7.46  |  |  |
| Dec   | 3.12        | 3.37        | 3.15                | 1956        | 15     | 7.01                  | 1998        | .43                  | 2000        | 8.6        | 6.0           | 2.3        | .7         | .73  | 1.02  | 1.48  | 1.89  | 2.29  | 2.72  | 3.21  | 3.78  | 4.54  | 5.74  | 6.87  |  |  |
| Ann   | 45.92       | 45.14       | 8.11                | Oct<br>1972 | 5      | 21.80                 | Sep<br>1999 | .00                  | Oct<br>2000 | 103.9      | 75.2          | 31.9       | 12.2       | 33.60  | 36.01 | 39.09 | 41.41 | 43.47 | 45.45 | 47.49 | 49.75 | 52.47 | 56.41 | 59.81 |  |  |

<sup>+</sup> Also occurred on an earlier date(s)

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

<sup>#</sup> Denotes amounts of a trace

<sup>@</sup> Denotes mean number of days greater than 0 but less than .05

<sup>\*\*</sup> Statistics not computed because less than six years out of thirty had measurable precipitation

<sup>(1)</sup> From the 1971-2000 Monthly Normals

<sup>(2)</sup> Derived from station's available digital record: 1948-2001

<sup>(3)</sup> Derived from 1971-2000 serially complete daily data

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**COOP ID: 444768** 

Station: LAWRENCEVILLE 3 E, VA

Climate Division: VA 2 NWS Call Sign:

Elevation: 325 Feet Lat: 36°46N Lon: 77°47W

|       |                      |                        |                       |                         |                                  |              |       |                                    |             | Snov                     | w (incl     | hes) |   |             |     |     |     |                         |      |        |               |     |    |  |
|-------|----------------------|------------------------|-----------------------|-------------------------|----------------------------------|--------------|-------|------------------------------------|-------------|--------------------------|-------------|------|---|-------------|-----|-----|-----|-------------------------|------|--------|---------------|-----|----|--|
|       |                      |                        |                       |                         |                                  | Sno          | ow To | tals                               |             |                          |             |      |   |             |     |     | Mea | n Nu                    | mber | of Day | <b>yS</b> (1) |     |    |  |
|       | Mean                 | s/Medi                 | ians (1)              | )                       |                                  | Extremes (2) |       |                                    |             |                          |             |      |   |             |     |     |     | Snow Fall >= Thresholds |      |        |               |     |    |  |
| Month | Snow<br>Fall<br>Mean | Snow<br>Fall<br>Median | Snow<br>Depth<br>Mean | Snow<br>Depth<br>Median | Highest<br>Daily<br>Snow<br>Fall | Year         | Day   | Highest<br>Monthly<br>Snow<br>Fall | Year        | Highest Daily Snow Depth | Year        | Day  | Highest<br>Monthly<br>Mean<br>Snow<br>Depth | Year        | 0.1 | 1.0 | 3.0 | 5.0                     | 10.0 | 1      | 3             | 5   | 10 |  |
| Jan   | 2.0                  | .0                     | #                     | 0                       | 8.0                              | 1980         | 5     | 12.0                               | 1980        | 8                        | 1980        | 5    | 2   | 1982        | .6  | .6  | .3  | .2                      | .0   | 2.0    | 1.3           | .5  | .0 |  |
| Feb   | 4.2                  | 1.0                    | #                     | 0                       | 14.5                             | 1989         | 18    | 19.3                               | 1989        | 9                        | 1979        | 19   | 3   | 1979        | 1.2 | 1.0 | .5  | .2                      | @    | 1.8    | .9            | .4  | .0 |  |
| Mar   | 1.6                  | .0                     | #                     | 0                       | 12.0                             | 1980         | 2     | 14.0                               | 1980        | 12                       | 1980        | 2    | 1   | 1980        | .4  | .4  | .2  | .1                      | .1   | .5     | .3            | .2  | .1 |  |
| Apr   | .0                   | .0                     | 0                     | 0                       | .0                               | 0            | 0     | .0                                 | 0           | 0                        | 0           | 0    | 0   | 0           | .0  | .0  | .0  | .0                      | .0   | .0     | .0            | .0  | .0 |  |
| May   | .0                   | .0                     | 0                     | 0                       | .0                               | 0            | 0     | .0                                 | 0           | 0                        | 0           | 0    | 0   | 0           | .0  | .0  | .0  | .0                      | .0   | .0     | .0            | .0  | .0 |  |
| Jun   | .0                   | .0                     | 0                     | 0                       | .0                               | 0            | 0     | .0                                 | 0           | 0                        | 0           | 0    | 0   | 0           | .0  | .0  | .0  | .0                      | .0   | .0     | .0            | .0  | .0 |  |
| Jul   | .0                   | .0                     | 0                     | 0                       | .0                               | 0            | 0     | .0                                 | 0           | 0                        | 0           | 0    | 0   | 0           | .0  | .0  | .0  | .0                      | .0   | .0     | .0            | .0  | .0 |  |
| Aug   | .0                   | .0                     | 0                     | 0                       | .0                               | 0            | 0     | .0                                 | 0           | 0                        | 0           | 0    | 0   | 0           | .0  | .0  | .0  | .0                      | .0   | .0     | .0            | .0  | .0 |  |
| Sep   | .0                   | .0                     | 0                     | 0                       | .0                               | 0            | 0     | .0                                 | 0           | 0                        | 0           | 0    | 0   | 0           | .0  | .0  | .0  | .0                      | .0   | .0     | .0            | .0  | .0 |  |
| Oct   | .0                   | .0                     | 0                     | 0                       | .0                               | 0            | 0     | .0                                 | 0           | 0                        | 0           | 0    | 0   | 0           | .0  | .0  | .0  | .0                      | .0   | .0     | .0            | .0  | .0 |  |
| Nov   | #                    | .0                     | 0                     | 0                       | #                                | 1989         | 23    | #+                                 | 1989        | 0                        | 0           | 0    | 0   | 0           | .0  | .0  | .0  | .0                      | .0   | .0     | .0            | .0  | .0 |  |
| Dec   | 1.0                  | .0                     | #                     | 0                       | 5.0                              | 1973         | 17    | 6.5                                | 1982        | 4                        | 1982        | 12   | #+  | 2000        | .5  | .3  | .2  | @                       | .0   | .3     | .1            | .0  | .0 |  |
| Ann   | 8.8                  | 1.0                    | N/A                   | N/A                     | 14.5                             | Feb<br>1989  | 18    | 19.3                               | Feb<br>1989 | 12                       | Mar<br>1980 | 2    | 3   | Feb<br>1979 | 2.7 | 2.3 | 1.2 | .5                      | .1   | 4.6    | 2.6           | 1.1 | .1 |  |

<sup>+</sup> Also occurred on an earlier date(s) #Denotes trace amounts

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

<sup>@</sup> Denotes mean number of days greater than 0 but less than .05

<sup>-9/-9.9</sup> represents missing values Annual statistics for Mean/Median snow depths are not appropriate

<sup>(1)</sup> Derived from Snow Climatology and 1971-2000 daily data

<sup>(2)</sup> Derived from 1971-2000 daily data

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**COOP ID: 444768** 

Lon: 77°47W

Lat: 36°46N

Elevation: 325 Feet

Station: LAWRENCEVILLE 3 E, VA

Climate Division: VA 2 NWS Call Sign:

Freeze Data Spring Freeze Dates (Month/Day) Probability of later date in spring (thru Jul 31) than indicated(\*) Temp (F) .10 .20 .30 .40 .60 .70 .80 .90 36 5/19 5/14 5/10 5/07 5/04 5/01 4/28 4/24 4/19 32 4/30 4/27 5/05 4/24 4/21 4/18 4/15 4/11 4/06 28 4/22 4/16 4/12 4/09 4/06 4/02 3/30 3/26 3/20 4/04 3/22 3/03 24 4/11 3/30 3/26 3/18 3/14 3/10 20 4/01 3/24 3/18 3/14 3/09 3/04 2/27 2/22 2/14 16 3/20 3/11 3/04 2/26 2/21 2/15 2/10 2/03 1/24 Fall Freeze Dates (Month/Day) Probability of earlier date in fall (beginning Aug 1) than indicated(\*) Temp (F) .20 .30 .40 .50 .70 .10 .60 .80 .90 36 9/25 9/30 10/04 10/07 10/10 10/13 10/16 10/20 10/26 32 10/06 10/10 10/13 10/15 10/18 10/20 10/23 10/26 10/30 28 10/13 10/18 10/22 10/26 10/29 11/01 11/05 11/09 11/14 24 10/19 10/26 10/30 11/03 11/07 11/11 11/15 11/19 11/26 20 11/05 11/13 11/18 11/23 11/27 12/01 12/06 12/11 12/18 11/29 12/13 12/19 12/25 16 11/19 12/07 1/01 1/08 1/19 Freeze Free Period **Probability of longer than indicated freeze free period (Days)** Temp (F) .10 .20 .30 .40 .50 .60 .70 .80 .90 180 173 167 163 158 154 149 144 36 136 32 198 192 187 183 179 176 172 167 160 28 229 221 215 210 206 201 182 196 190 24 260 249 242 235 229 223 216 209 198 275 262 249 242 20 293 283 268 256 231

302

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

310

Derived from 1971-2000 serially complete daily data

319

337

16

Complete documentation available from:

282

274

264

296

289

<sup>\*</sup> Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

# Climatography of the United States No. 20 1971-2000

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**COOP ID: 444768** 

**Station: LAWRENCEVILLE 3 E, VA** 

Climate Division: VA 2 NWS Call Sign: Elevation: 325 Feet Lat: 36°46N Lon: 77°47W

|       |     |     |     | Deg | ree Days t | o Selected | Base Tem   | peratures | (°F) |     |     |     |      |
|-------|-----|-----|-----|-----|------------|------------|------------|-----------|------|-----|-----|-----|------|
| Base  |     |     |     |     |            | Heatin     | g Degree l | Days (1)  |      |     |     |     |      |
| Below | Jan | Feb | Mar | Apr | May        | Jun        | Jul        | Aug       | Sep  | Oct | Nov | Dec | Ann  |
| 65    | 873 | 714 | 539 | 286 | 83         | 8          | 0          | 1         | 35   | 255 | 496 | 763 | 4053 |
| 60    | 718 | 574 | 387 | 160 | 24         | 0          | 0          | 0         | 8    | 148 | 356 | 610 | 2985 |
| 57    | 633 | 495 | 301 | 102 | 8          | 0          | 0          | 0         | 3    | 99  | 278 | 525 | 2444 |
| 55    | 574 | 441 | 248 | 71  | 4          | 0          | 0          | 0         | 1    | 73  | 232 | 467 | 2111 |
| 50    | 434 | 314 | 137 | 22  | 0          | 0          | 0          | 0         | 0    | 28  | 136 | 333 | 1404 |
| 32    | 91  | 39  | 2   | 0   | 0          | 0          | 0          | 0         | 0    | 0   | 3   | 45  | 180  |

| Base  |     |     |     |     |      | Coolin | g Degree l | Days (1) |      |     |     |     |      |
|-------|-----|-----|-----|-----|------|--------|------------|----------|------|-----|-----|-----|------|
| Above | Jan | Feb | Mar | Apr | May  | Jun    | Jul        | Aug      | Sep  | Oct | Nov | Dec | Ann  |
| 32    | 240 | 250 | 486 | 710 | 1002 | 1205   | 1378       | 1331     | 1098 | 795 | 499 | 305 | 9299 |
| 55    | 11  | 8   | 19  | 91  | 293  | 515    | 665        | 618      | 410  | 155 | 38  | 14  | 2837 |
| 57    | 8   | 5   | 11  | 61  | 236  | 455    | 603        | 556      | 351  | 119 | 25  | 10  | 2440 |
| 60    | 0   | 0   | 3   | 30  | 158  | 365    | 510        | 463      | 266  | 75  | 13  | 2   | 1885 |
| 65    | 0   | 0   | 0   | 6   | 62   | 223    | 355        | 309      | 143  | 27  | 2   | 0   | 1127 |
| 70    | 0   | 0   | 0   | 0   | 15   | 108    | 210        | 169      | 57   | 7   | 0   | 0   | 566  |

| Growing Degree Units (2)  Base   Growing Degree Units (Monthly)   Growing Degree Units (Accumulated Monthly) |   |   |     |     |        |          |          |          |     |     |     |     |  |     |     |         |          |           |          |         |         |      |      |      |  |
|--|---|---|-----|-----|--------|----------|----------|----------|-----|-----|-----|-----|--|-----|-----|---------|----------|-----------|----------|---------|---------|------|------|------|--|
| Base   |   |   |     |     | Growin | g Degree | Units (M | Ionthly) |     |     |     |     | Growing Degree Units (Accumulated Monthly) |     |     |         |          |           |          |         |         |      |      |      |  |
|  | Jan         Feb         Mar         Apr         May         Jun         Jul         Aug         Sep         Oct         Nov         Dec |   |     |     |        |          |          |          |     |     |     |     |  | Feb | Mar | Apr     | May      | Jun       | Jul      | Aug     | Sep     | Oct  | Nov  | Dec  |  |
| 40   | 97  | 145                                     | 303 | 515 | 785    | 992      | 1149     | 1101     | 883 | 574 | 316 | 145 | 97   | 242 | 545 | 1060    | 1845     | 2837      | 3986     | 5087    | 5970    | 6544 | 6860 | 7005 |  |
| 45   | 47  | 79                                      | 186 | 373 | 630    | 842      | 994      | 946      | 733 | 420 | 201 | 79  | 47   | 126 | 312 | 685     | 1315     | 2157      | 3151     | 4097    | 4830    | 5250 | 5451 | 5530 |  |
| 50   | 22  | 38                                      | 104 | 241 | 475    | 692      | 839      | 791      | 583 | 277 | 116 | 42  | 22   | 60  | 164 | 405     | 880      | 1572      | 2411     | 3202    | 3785    | 4062 | 4178 | 4220 |  |
| 55   | 3   | 17                                      | 49  | 139 | 326    | 542      | 684      | 636      | 434 | 162 | 56  | 16  | 3  | 20  | 69  | 208     | 534      | 1076      | 1760     | 2396    | 2830    | 2992 | 3048 | 3064 |  |
| 60   | 0   | 0                                       | 17  | 69  | 192    | 392      | 529      | 481      | 291 | 78  | 21  | 3   | 0  | 0   | 17  | 86      | 278      | 670       | 1199     | 1680    | 1971    | 2049 | 2070 | 2073 |  |
| Base   |   | Growing Degree Units for Corn (Monthly) |     |     |        |          |          |          |     |     |     |     |  |     | Gr  | owing D | egree Un | its for C | orn (Acc | umulate | d Month | ly)  |      |      |  |
| 50/86  | 68 107 209 340 508 670 780 746 584 372 214 101  |   |     |     |        |          |          |          |     |     |     |     | 68   | 175 | 384 | 724     | 1232     | 1902      | 2682     | 3428    | 4012    | 4384 | 4598 | 4699 |  |

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

### Notes

- a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.
- b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.
  - c. Only observed validated values were used to select the extreme daily values.
  - d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.

Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.

e. Degree Days were derived using the same techniques as the 1971-2000 normals.

Compete documentation for the 1971-2000 Normals is available on the internet from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set .

Documentation of the serially complete data set is available from the link below:

g. Snowfall and snow depth statistics were derived from the Snow Climatology.

Documentation for the Snow Climatology project is available from the link under references.

### **Data Sources for Tables**

Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were are for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

- a. Temperature/ Precipitation Tables
  - 1. 1971-2000 Monthly Normals
  - 2. Cooperative Summary of the Day
  - 3. National Weather Service station records
  - 4. 1971-2000 serially complete daily data

- c. Snow Tables
  - 1. Snow Climatology
  - 2. Cooperative Summary of the Day
- d. Freeze Data Table

1971-2000 serially complete daily data

- b. Degree Day Table
  - 1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
  - 2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

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