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: 411412

Lon: 100°23W

Station: CANADIAN, TX

Climate Division: TX 1

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 47.4 18.8 33.1 85+ 1986 20 42.1 1986 -14+1942 5 20.6 1979 989 0 .0 .0 18.4 3.9 27.6 .8 Jan .3 53.6 23.1 38.4 90 1962 12 47.4 1976 -8+ 1951 1 26.9 1978 746 0 .0 .0 19.5 2.3 20.6 Feb Mar 61.7 31.0 46.4 95+ 1971 27 52.1 1986 -4 1920 41.9 1984 578 0 .0 .2 27.5 .5 12.8 0. 1997 17 Apr 71.1 40.7 55.9 99+1989 23 61.8 1981 15 1920 4 50.3 289 .0 1.6 29.0 (a) 3.1 0. May 78.9 51.6 65.3 105 1996 17 73.3 1996 24 1909 1 60.0 1976 101 109 .7 5.5 31.0 .0 .0 .0 74.9 39 2 70.0 3.0 88.1 61.7 112 +1994 26 80.7 1994 1917 1982 12 309 16.2 30.0 .0 .0 .0 Jun Jul 93.9 65.9 79.9 111 1925 18 85.2 1980 47 1990 14 77.1 1975 0 462 7.8 25.9 31.0 0. .0 .0 1992 92.8 64.6 78.7 110 1922 24 84.2 2000 45 +1915 31 73.6 426 6.7 23.8 31.0 .0 .0 .0 Aug 27 33 Sep 84.5 56.4 70.5 108 2000 11 77.2 1998 1984 30 63.8 1974 197 1.7 12.9 29.9 .0 .1 .0 8 64.9 31 52.9 Oct 73.8 43.4 58.6 101 1979 1979 11 1993 1976 219 20 .1 2.6 30.5 (a) 2.7 .0 30.0 44.6 90 1924 5 52.7 1999 -2 1906 21 37.1 1972 614 0 .0 .0 24.0 15.6 .0 Nov 59.1 .4 Dec 48.5 21.0 34.8 84 1955 24 40.6 1994 -13 1983 29 20.4 1983 938 0 .0 .0 18.4 2.8 26.3 .7 Jun Jul Jan Dec

42.4

71.1

Ann

56.8

112 +

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

26

85.2

1980

-14+

1942

5

20.4

1983

4520

1540

Issue Date: February 2004 048-A

1994

(1) From the 1971-2000 Monthly Normals

88.7

20.0

Elevation: 2,300 Feet Lat: 35°55N

(2) Derived from station's available digital record: 1906-2001

320.2

9.9

108.8

1.8

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

⁺ Also occurred on an earlier date(s)

[@] Denotes mean number of days greater than 0 but less than .05

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COOP ID: 411412

Station: CANADIAN, TX

Climate Division: TX 1 NWS Call Sign: Elevation: 2,300 Feet Lat: 35°55N Lon: 100°23W

| | | | | | | | | | | Pı | recipi | tation | (incl | nes) | | | | | | | | | | |
|-------|-------|-------------|---------------------|-------------|--------|-----------------------|-------------|----------------------|-------------|---------------------|------------|------------------|------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Me | ans/ | P | recip | itatio | on Total | s | | | M | ean N | Numbo Pays (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 | | | | | | | | | | |
| | Medi | | | | | Extremes | 5 | | | Daily Precipitation | | | | These values were determined from the incomplete gamma distribution | | | | | | | | | | |
| Month | Mean | Med- ian | Highest Daily(2) | Year | Day | Highest Monthly(1) | Year | Lowest Monthly(1) | Year | >= 0.01 | >= 0.10 | >= 0.50 | >= 1.00 | .05 | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | .95 |
| Jan | .46 | .45 | 2.50 | 1944 | 2 | 1.39 | 1979 | .00+ | 1996 | 2.9 | 1.5 | .1 | .0 | .00 | .00 | .07 | .15 | .24 | .33 | .44 | .58 | .77 | 1.08 | 1.38 |
| Feb | .71 | .49 | 4.00 | 1911 | 17 | 2.48 | 1997 | .00+ | 1996 | 3.4 | 1.9 | .4 | .1 | .00 | .00 | .06 | .16 | .29 | .44 | .62 | .87 | 1.21 | 1.79 | 2.38 |
| Mar | 1.70 | 1.57 | 2.30 | 2000 | 23 | 5.74 | 1973 | .00+ | 1997 | 4.6 | 3.1 | 1.1 | .5 | .00 | .08 | .31 | .56 | .85 | 1.18 | 1.58 | 2.08 | 2.79 | 4.00 | 5.20 |
| Apr | 1.72 | 1.00 | 3.55 | 1922 | 24 | 8.97 | 1997 | .00+ | 1996 | 5.1 | 3.5 | 1.2 | .4 | .00 | .08 | .30 | .56 | .84 | 1.18 | 1.58 | 2.10 | 2.83 | 4.07 | 5.31 |
| May | 3.75 | 3.28 | 4.75 | 1951 | 16 | 11.18 | 1977 | .59 | 1984 | 7.8 | 5.9 | 2.7 | 1.2 | .82 | 1.17 | 1.72 | 2.21 | 2.71 | 3.24 | 3.83 | 4.55 | 5.49 | 6.98 | 8.39 |
| Jun | 3.33 | 3.12 | 3.80 | 1993 | 19 | 8.66 | 2000 | .46 | 1998 | 7.2 | 5.6 | 2.3 | .8 | .67 | .98 | 1.46 | 1.91 | 2.36 | 2.84 | 3.39 | 4.05 | 4.92 | 6.31 | 7.63 |
| Jul | 2.19 | 1.92 | 4.65 | 1950 | 21 | 6.97 | 1996 | .12 | 1983 | 5.9 | 4.1 | 1.6 | .7 | .31 | .49 | .80 | 1.11 | 1.43 | 1.78 | 2.18 | 2.67 | 3.34 | 4.43 | 5.48 |
| Aug | 2.36 | 1.94 | 3.80 | 1955 | 5 | 7.23 | 1977 | .10+ | 1983 | 6.3 | 4.3 | 1.6 | .6 | .22 | .39 | .71 | 1.04 | 1.39 | 1.80 | 2.27 | 2.87 | 3.69 | 5.06 | 6.40 |
| Sep | 2.36 | 2.16 | 3.85 | 1937 | 7 | 6.56 | 1995 | .00 | 1992 | 5.8 | 3.9 | 1.5 | .7 | .14 | .37 | .73 | 1.08 | 1.45 | 1.85 | 2.33 | 2.91 | 3.70 | 5.01 | 6.27 |
| Oct | 1.47 | .61 | 5.15 | 1985 | 10 | 6.95 | 1985 | .00+ | 1995 | 4.1 | 2.7 | 1.0 | .4 | .00 | .00 | .11 | .29 | .52 | .82 | 1.20 | 1.72 | 2.47 | 3.80 | 5.16 |
| Nov | .94 | .67 | 2.56 | 1909 | 28 | 2.69 | 1981 | .00+ | 1999 | 3.3 | 1.8 | .6 | .2 | .00 | .00 | .14 | .28 | .44 | .63 | .86 | 1.15 | 1.55 | 2.24 | 2.92 |
| Dec | .69 | .41 | 1.65 | 1959 | 16 | 2.58 | 1991 | .00 | 1976 | 3.0 | 1.9 | .4 | .2 | .02 | .06 | .16 | .26 | .37 | .49 | .65 | .84 | 1.12 | 1.58 | 2.04 |
| Ann | 21.68 | 21.17 | 5.15 | Oct 1985 | 10 | 11.18 | May 1977 | .00+ | Nov 1999 | 59.4 | 40.2 | 14.5 | 5.8 | 13.71 | 15.18 | 17.11 | 18.59 | 19.93 | 21.23 | 22.59 | 24.11 | 25.97 | 28.71 | 31.10 |

⁺ Also occurred on an earlier date(s)

Complete documentation available from:

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

[#] Denotes amounts of a trace

[@] Denotes mean number of days greater than 0 but less than .05

^{**} Statistics not computed because less than six years out of thirty had measurable precipitation

⁽¹⁾ From the 1971-2000 Monthly Normals

⁽²⁾ Derived from station's available digital record: 1906-2001

⁽³⁾ Derived from 1971-2000 serially complete daily data

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COOP ID: 411412

Station: CANADIAN, TX

Climate Division: TX 1 NWS Call Sign: Elevation: 2,300 Feet Lat: 35°55N Lon: 100°23W

| | | | | | | | | | | Snov | w (incl | hes) | | | | | | | | | | | | |
|-------|----------------------|------------------------|-----------------------|-------------------------|----------------------------------|--------------|-------|------------------------------------|-------------|-----------------------------------|-------------|------|---|-------------|-------------------------|-----|-----|-------------------------|------|------|------|------|------|--|
| | | | | | | Sno | ow To | tals | | | | | | | Mean Number of Days (1) | | | | | | | | | |
| | Mean | s/Medi | ans (1) | 1 | | Extremes (2) | | | | | | | | | | | | Snow Fall >= Thresholds | | | | | | |
| Month | Snow Fall Mean | Snow Fall Median | Snow Depth Mean | Snow Depth Median | Highest Daily Snow Fall | Year | Day | Highest Monthly Snow Fall | Year | Highest Daily Snow Depth | Year | Day | Highest Monthly Mean Snow Depth | Year | 0.1 | 1.0 | 3.0 | 5.0 | 10.0 | 1 | 3 | 5 | 10 | |
| Jan | 3.1 | 2.0 | # | 0 | 7.0 | 1977 | 9 | 7.5+ | 1984 | 12 | 1987 | 18 | 1 | 1997 | 1.4 | 1.0 | .5 | .1 | .0 | .2 | .2 | .1 | .0 | |
| Feb | 2.2 | .0 | # | 0 | 10.0 | 1993 | 16 | 10.0 | 1993 | 19 | 1971 | 21 | 1 | 1975 | 1.4 | 1.3 | .6 | .1 | @ | .4 | .3 | .1 | .0 | |
| Mar | 1.2 | .0 | # | 0 | 10.0 | 1988 | 17 | 11.0 | 1994 | 13 | 1988 | 17 | 7 | 1988 | .4 | .3 | .3 | .2 | @ | .2 | .2 | .1 | .0 | |
| Apr | .5 | .0 | # | 0 | 4.0 | 1973 | 8 | 8.0 | 1983 | 4 | 1973 | 8 | # | 1973 | .2 | .2 | .1 | .0 | .0 | .1 | .1 | .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 | .1 | .0 | # | 0 | 3.0 | 1991 | 31 | 3.0 | 1991 | # | 1997 | 26 | # | 1997 | @ | @ | @ | .0 | .0 | .0 | .0 | .0 | .0 | |
| Nov | 1.2 | .0 | # | 0 | 12.0 | 1992 | 25 | 12.0 | 1992 | 1+ | 1997 | 10 | #+ | 1997 | .4 | .4 | .1 | @ | @ | .2 | .0 | .0 | .0 | |
| Dec | 3.3 | .0 | # | 0 | 14.0 | 1987 | 14 | 24.0 | 1987 | 12 | 2000 | 26 | 2 | 2000 | .9 | .8 | .4 | .2 | .1 | -9.9 | -9.9 | -9.9 | -9.9 | |
| Ann | 11.6 | 2.0 | N/A | N/A | 14.0 | Dec 1987 | 14 | 24.0 | Dec 1987 | 19 | Feb 1971 | 21 | 7 | Mar 1988 | 4.7 | 4.0 | 2.0 | .6 | .1 | -9.9 | -9.9 | -9.9 | -9.9 | |

⁺ Also occurred on an earlier date(s) #Denotes trace amounts

- (1) Derived from Snow Climatology and 1971-2000 daily data
- (2) Derived from 1971-2000 daily data

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

[@] Denotes mean number of days greater than 0 but less than .05

^{-9/-9.9} represents missing values Annual statistics for Mean/Median snow depths are not appropriate

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COOP ID: 411412

Station: CANADIAN, TX

Climate Division: TX 1 NWS Call Sign:

Elevation: 2,300 Feet La

Lat: 35°55N Lon: 100°23W

| | | | | Freez | e Data | | | | | | | | | | | |
|-----------|-------|---|---------------|--------------|--------------|----------------|--------------|-------|-------|--|--|--|--|--|--|--|
| | | | Spri | ng Freeze D | ates (Month | /Day) | | | | | | | | | | |
| Temp (F) | | P | robability of | later date i | n spring (th | ru Jul 31) tha | n indicated(| (*) | | | | | | | | |
| Temp (F) | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | | | | | | | |
| 36 | 5/07 | 5/02 | 4/29 | 4/26 | 4/23 | 4/21 | 4/18 | 4/15 | 4/10 | | | | | | | |
| 32 | 4/24 | 4/19 | 4/16 | 4/13 | 4/10 | 4/08 | 4/05 | 4/01 | 3/28 | | | | | | | |
| 28 | 4/14 | 4/09 | 4/06 | 4/03 | 3/31 | 3/28 | 3/25 | 3/22 | 3/17 | | | | | | | |
| 24 | 4/06 | 3/31 | 3/27 | 3/23 | 3/20 | 3/16 | 3/13 | 3/09 | 3/03 | | | | | | | |
| 20 | 4/01 | 3/24 | 3/19 | 3/14 | 3/10 | 3/06 | 3/01 | 2/24 | 2/17 | | | | | | | |
| 16 | 3/25 | 3/14 | 3/05 | 2/26 | 2/19 | 2/12 | 2/05 | 1/27 | 1/16 | | | | | | | |
| • | | • | Fa | ll Freeze Da | tes (Month/I | Day) | • | | | | | | | | | |
| To (E) | | Probability of earlier date in fall (beginning Aug 1) than indicated(*) | | | | | | | | | | | | | | |
| Temp (F) | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | | | | | | | |
| 36 | 9/25 | 9/30 | 10/03 | 10/06 | 10/09 | 10/11 | 10/14 | 10/18 | 10/22 | | | | | | | |
| 32 | 10/02 | 10/07 | 10/10 | 10/13 | 10/16 | 10/19 | 10/22 | 10/25 | 10/30 | | | | | | | |
| 28 | 10/10 | 10/17 | 10/22 | 10/26 | 10/30 | 11/02 | 11/06 | 11/11 | 11/18 | | | | | | | |
| 24 | 10/28 | 11/02 | 11/06 | 11/09 | 11/12 | 11/15 | 11/18 | 11/22 | 11/27 | | | | | | | |
| 20 | 11/01 | 11/07 | 11/11 | 11/15 | 11/19 | 11/22 | 11/26 | 11/30 | 12/06 | | | | | | | |
| 16 | 11/10 | 11/17 | 11/22 | 11/26 | 11/30 | 12/04 | 12/08 | 12/13 | 12/20 | | | | | | | |
| • | | | | Freeze F | ree Period | 1 | • | 1 | 1 | | | | | | | |
| Tomas (E) | | | Probability | of longer th | an indicated | freeze free p | eriod (Days) | | | | | | | | | |
| Temp (F) | .10 | .20 | .30 | .40 | .50 | .60 | .70 | .80 | .90 | | | | | | | |
| 36 | 186 | 179 | 175 | 171 | 168 | 164 | 160 | 156 | 150 | | | | | | | |
| 32 | 208 | 201 | 196 | 192 | 188 | 184 | 179 | 174 | 167 | | | | | | | |
| 28 | 235 | 227 | 221 | 216 | 212 | 207 | 202 | 196 | 188 | | | | | | | |
| 24 | 259 | 251 | 246 | 241 | 236 | 232 | 227 | 221 | 214 | | | | | | | |
| 20 | 281 | 271 | 264 | 258 | 253 | 247 | 241 | 234 | 224 | | | | | | | |
| 16 | 312 | 300 | 293 | 286 | 281 | 275 | 269 | 262 | 253 | | | | | | | |

^{*} Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

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

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

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Station: CANADIAN, TX

COOP ID: 411412

Climate Division: TX 1 NWS Call Sign: Elevation: 2,300 Feet Lat: 35°55N Lon: 100°23W

| | Degree Days to Selected Base Temperatures (°F) | | | | | | | | | | | | | | |
|-------|--|-----|-----|-----|-----|--------|----------|----------|-----|-----|-----|-----|------|--|--|
| Base | | | | | | Heatin | g Degree | Days (1) | | | | | | | |
| Below | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Ann | | |
| 65 | 989 | 746 | 578 | 289 | 101 | 12 | 0 | 1 | 33 | 219 | 614 | 938 | 4520 | | |
| 60 | 834 | 610 | 425 | 174 | 42 | 2 | 0 | 0 | 8 | 110 | 467 | 783 | 3455 | | |
| 57 | 741 | 532 | 339 | 119 | 21 | 0 | 0 | 0 | 3 | 65 | 383 | 690 | 2893 | | |
| 55 | 681 | 480 | 284 | 88 | 12 | 0 | 0 | 0 | 1 | 43 | 330 | 628 | 2547 | | |
| 50 | 535 | 357 | 166 | 34 | 2 | 0 | 0 | 0 | 0 | 12 | 211 | 482 | 1799 | | |
| 32 | 133 | 70 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 94 | 315 | | |

| Base | | | | | | Coolin | g Degree l | Days (1) | | | | | |
|-------|-----|-----|-----|-----|------|--------|------------|----------|------|-----|-----|-----|------|
| Above | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Ann |
| 32 | 168 | 248 | 450 | 718 | 1031 | 1288 | 1485 | 1448 | 1154 | 824 | 389 | 179 | 9382 |
| 55 | 2 | 14 | 16 | 116 | 330 | 598 | 772 | 735 | 465 | 154 | 16 | 1 | 3219 |
| 57 | 1 | 10 | 9 | 87 | 277 | 538 | 710 | 673 | 406 | 114 | 9 | 0 | 2834 |
| 60 | 0 | 4 | 2 | 51 | 205 | 450 | 617 | 580 | 322 | 66 | 3 | 0 | 2300 |
| 65 | 0 | 0 | 0 | 17 | 109 | 309 | 462 | 426 | 197 | 20 | 0 | 0 | 1540 |
| 70 | 0 | 0 | 0 | 4 | 46 | 188 | 308 | 277 | 102 | 4 | 0 | 0 | 929 |

| | Growing Degree Units (2) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--------------------------------|-----|-----|-----|---------|-----------|----------|----------|------|-----|-----|-----|--|-----|-----|---------|----------|-----------|----------|---------|---------|------|------|------|
| Base | Growing Degree Units (Monthly) | | | | | | | | | | | | Growing Degree Units (Accumulated Monthly) | | | | | | | | | | | |
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 40 | 81 | 164 | 347 | 568 | 856 | 1095 | 1289 | 1241 | 969 | 646 | 261 | 91 | 81 | 245 | 592 | 1160 | 2016 | 3111 | 4400 | 5641 | 6610 | 7256 | 7517 | 7608 |
| 45 | 35 | 91 | 223 | 430 | 701 | 945 | 1134 | 1086 | 819 | 496 | 157 | 39 | 35 | 126 | 349 | 779 | 1480 | 2425 | 3559 | 4645 | 5464 | 5960 | 6117 | 6156 |
| 50 | 8 | 36 | 126 | 294 | 548 | 795 | 979 | 931 | 672 | 353 | 83 | 11 | 8 | 44 | 170 | 464 | 1012 | 1807 | 2786 | 3717 | 4389 | 4742 | 4825 | 4836 |
| 55 | 0 | 12 | 62 | 180 | 398 | 645 | 824 | 776 | 523 | 225 | 31 | 0 | 0 | 12 | 74 | 254 | 652 | 1297 | 2121 | 2897 | 3420 | 3645 | 3676 | 3676 |
| 60 | 0 | 0 | 23 | 92 | 256 | 495 | 669 | 621 | 383 | 120 | 7 | 0 | 0 | 0 | 23 | 115 | 371 | 866 | 1535 | 2156 | 2539 | 2659 | 2666 | 2666 |
| Base | | | | Gro | wing De | gree Unit | s for Co | rn (Mont | hly) | | | | | | Gr | owing D | egree Un | its for C | orn (Acc | umulate | d Month | ly) | | |
| 50/86 | 106 | 155 | 261 | 384 | 547 | 717 | 831 | 802 | 625 | 427 | 207 | 109 | 106 | 261 | 522 | 906 | 1453 | 2170 | 3001 | 3803 | 4428 | 4855 | 5062 | 5171 |

(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

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html

U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/usnormalsprods.html

Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html

Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,

www1.ncdc.noaa.gov/pub/data/special/ serialcomplete_jam_0900.pdf