U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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

Station: CONWAY, SC **COOP ID: 381997**

Climate Division: SC 4 **NWS Call Sign:** **Elevation: 20 Feet** **Lat: 33˚50N** **Lon: 79˚03W**

Temperature (˚F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	57.1	34.5	45.8	83+	1957	30	58.4	1974	4+	1985	22	35.6	1977	603	0	.0	.0	23.4	.3	13.8	.0
Feb	60.6	36.7	48.7	85	1930	25	55.1	1990	11+	1936	1	40.3	1978	458	0	.0	.0	22.5	.3	9.9	.0
Mar	67.9	43.5	55.7	94	1935	21	61.0	1997	12	1980	4	49.9	1971	303	14	.0	.1	29.6	@	3.1	.0
Apr	75.4	50.4	62.9	94+	1981	29	67.7	1981	22	1983	20	57.5	1983	118	54	.0	.8	30.0	.0	.3	.0
May	82.3	59.0	70.7	101	1938	20	74.7	1991	35	1963	2	67.2+	1976	16	191	.0	3.7	31.0	.0	.0	.0
Jun	87.6	66.6	77.1	106	1954	28	82.7	1981	42+	1988	5	72.8	1972	1	364	.3	11.5	30.0	.0	.0	.0
Jul	90.8	70.9	80.9	103+	1977	22	84.2	1986	51	1933	5	77.8	1976	0	492	.7	20.3	31.0	.0	.0	.0
Aug	89.4	69.8	79.6	106	1954	6	83.3	1999	55+	1986	31	75.7	1976	0	453	.3	15.5	31.0	.0	.0	.0
Sep	84.9	64.5	74.7	102+	1944	4	78.7	1980	45+	1995	25	72.0	1976	2	294	@	7.0	30.0	.0	.0	.0
Oct	76.5	52.5	64.5	98	1954	6	70.5	1984	27+	1976	30	58.2	1976	115	99	.0	.3	31.0	.0	.1	.0
Nov	69.0	43.8	56.4	89	1961	1	65.7	1985	16	1950	26	49.4	1976	280	22	.0	.0	29.4	.0	3.5	.0
Dec	60.0	36.7	48.4	84	1943	10	55.9	1971	8	1989	25	37.8	1989	519	4	.0	.0	25.7	.1	11.0	.0
Ann	75.1	52.4	63.8	106+	Aug 1954	6	84.2	Jul 1986	4+	Jan 1985	22	35.6	Jan 1977	2415	1987	1.3	59.2	344.6	.7	41.7	.0

\+ Also occurred on an earlier date(s)

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

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

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1930-2001

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Issue Date: February 2004

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Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	4.72	4.63	3.45	1995	15	8.53	1991	.95	1981
Feb	3.45	3.09	4.00	1998	17	9.35	1998	.17	2000
Mar	4.07	3.83	4.12	1944	7	10.78	1983	.73	1982
Apr	3.10	3.13	3.25	1961	10	6.61	1999	.09	1976
May	4.26	4.07	3.75	1972	4	11.87	1974	1.19	1982
Jun	4.74	4.26	8.10	1964	7	13.58	1976	.40	1990
Jul	6.70	5.76	6.55	1985	25	15.29	1981	2.23	1974
Aug	6.76	6.12	5.11	1996	3	12.85	1991	.40	1982
Sep	5.86	5.54	11.35	1999	16	20.39	1999	.17	1981
Oct	3.25	2.68	5.00	1975	9	9.41	1995	.00	2000
Nov	2.74	2.54	4.20	1969	2	5.89	1972	.82	1973
Dec	3.62	3.06	6.60	1994	23	11.38	1994	.65	1988
Ann	53.27	53.13	11.35	Sep 1999	16	20.39	Sep 1999	.00	Oct 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	11.5	8.1	3.5	1.1
Feb	8.7	5.9	2.4	1.0
Mar	9.0	6.3	2.7	1.6
Apr	7.1	4.9	2.2	.9
May	8.7	6.4	2.9	1.2
Jun	9.5	7.2	3.3	1.3
Jul	11.9	9.2	4.0	2.1
Aug	11.5	8.3	4.5	2.4
Sep	9.0	6.6	3.3	1.8
Oct	5.9	4.2	1.8	.9
Nov	7.3	4.5	1.7	.9
Dec	9.5	6.5	2.4	.9
Ann	109.6	78.1	34.7	16.1

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	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.52	1.97	2.63	3.20	3.74	4.30	4.92	5.64	6.57	8.01	9.35
Feb	.70	1.01	1.52	1.98	2.45	2.95	3.51	4.19	5.09	6.53	7.90
Mar	1.24	1.63	2.20	2.70	3.18	3.68	4.23	4.88	5.71	7.02	8.22
Apr	.39	.63	1.07	1.50	1.96	2.47	3.06	3.79	4.78	6.41	7.99
May	1.21	1.61	2.22	2.75	3.27	3.81	4.41	5.12	6.04	7.48	8.82
Jun	1.02	1.45	2.15	2.78	3.41	4.08	4.85	5.76	6.96	8.88	10.69
Jul	2.48	3.10	4.01	4.76	5.48	6.21	7.00	7.93	9.11	10.92	12.58
Aug	1.50	2.13	3.12	4.01	4.91	5.86	6.92	8.20	9.88	12.56	15.08
Sep	.82	1.30	2.14	2.96	3.81	4.74	5.83	7.16	8.95	11.87	14.69
Oct	.26	.62	1.15	1.62	2.12	2.65	3.27	4.02	5.02	6.66	8.23
Nov	.77	1.03	1.42	1.77	2.10	2.45	2.84	3.30	3.89	4.83	5.69
Dec	.79	1.13	1.66	2.14	2.62	3.13	3.71	4.40	5.30	6.75	8.11
Ann	40.34	42.91	46.15	48.60	50.75	52.82	54.95	57.28	60.10	64.16	67.64

\+ Also occurred on an earlier date(s)
\# 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: 1930-2001
(3) Derived from 1971-2000 serially complete daily data

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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	.4	.0	#	0
Feb	.8	.0	#	0
Mar	.0	.0	#	0
Apr	.0	.0	0	0
May	.0	.0	0	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.0	.0	0	0
Nov	.0	.0	0	0
Dec	.7	.0	#	0
Ann	1.9	.0	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	6.0	2000	25	6.0	2000	2	1973	9	#	1973
Feb	7.0	1973	11	12.0	1973	12	1973	12	2	1973
Mar	.0	0	0	.0	0	6	1980	3	#	1980
Apr	.0	0	0	.0	0	0	0	0	0	0
May	.0	0	0	.0	0	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	.0	0	0	.0	0	0	0	0	0	0
Nov	.0	0	0	.0	0	0	0	0	0	0
Dec	12.0	1989	24	13.5	1989	13	1989	24	1	1989
Ann	12.0	Dec 1989	24	13.5	Dec 1989	13	Dec 1989	24	2	Feb 1973

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.2	.1	.1	.1	.0
Feb	.2	.2	.1	.1	.0
Mar	.0	.0	.0	.0	.0
Apr	.0	.0	.0	.0	.0
May	.0	.0	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.0	.0	.0	.0	.0
Nov	.0	.0	.0	.0	.0
Dec	.1	.1	.1	.1	.1
Ann	.5	.4	.3	.3	.1

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.1	.0	.0	.0
Feb	.2	.2	.2	.1
Mar	.0	.0	.0	.0
Apr	.0	.0	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.0	.0	.0	.0
Nov	.0	.0	.0	.0
Dec	.1	@	@	@
Ann	.4	.2	.2	.1

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

@ 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

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

(2) Derived from 1971-2000 daily data

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Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	4/16	4/11	4/07	4/03	3/31	3/28	3/24	3/20	3/14
32	4/07	3/30	3/25	3/20	3/16	3/12	3/07	3/02	2/22
28	3/18	3/10	3/04	2/28	2/23	2/19	2/14	2/08	1/31
24	3/15	3/04	2/24	2/17	2/10	2/04	1/28	1/20	1/09
20	2/21	2/12	2/06	1/31	1/25	1/19	1/09	0/00	0/00
16	2/05	1/24	1/13	12/27	0/00	0/00	0/00	0/00	0/00

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	10/19	10/25	10/29	11/02	11/06	11/09	11/13	11/17	11/23
32	11/01	11/07	11/11	11/15	11/18	11/22	11/25	11/30	12/06
28	11/11	11/20	11/27	12/02	12/07	12/12	12/18	12/24	1/02
24	11/25	12/05	12/12	12/19	12/24	12/30	1/06	1/13	1/23
20	12/18	12/28	1/05	1/12	1/20	1/29	2/14	0/00	0/00
16	1/03	1/17	1/29	2/18	0/00	0/00	0/00	0/00	0/00

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	244	236	229	224	219	214	209	202	194
32	275	265	258	252	246	241	235	228	218
28	315	305	298	292	286	281	274	267	257
24	>365	337	326	317	310	303	296	288	277
20	>365	>365	>365	>365	>365	350	337	326	312
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

***** 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

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Degree Days to Selected Base Temperatures (˚F)

Base — Heating Degree Days (1)

Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	603	458	303	118	16	1	0	0	2	115	280	519	2415
60	459	326	180	47	2	0	0	0	0	52	169	377	1612
57	378	252	123	23	0	0	0	0	0	28	118	298	1220
55	328	207	91	12	0	0	0	0	0	18	88	250	994
50	223	117	35	2	0	0	0	0	0	5	35	154	571
32	20	2	0	0	0	0	0	0	0	0	0	6	28

Base — Cooling Degree Days (1)

Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	449	468	734	926	1198	1353	1515	1476	1282	1008	732	514	11655
55	44	29	112	248	485	663	802	763	592	312	131	45	4226
57	31	18	82	198	423	603	740	701	532	261	100	30	3719
60	19	9	46	133	332	513	647	608	442	192	62	16	3019
65	0	0	14	54	191	364	492	453	294	99	22	4	1987
70	0	0	2	14	84	223	337	298	157	39	6	0	1160

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	235	292	505	702	970	1131	1283	1240	1058	777	508	300	235	527	1032	1734	2704	3835	5118	6358	7416	8193	8701	9001
45	141	187	356	552	815	981	1128	1085	908	622	370	188	141	328	684	1236	2051	3032	4160	5245	6153	6775	7145	7333
50	69	104	232	405	660	831	973	930	758	469	242	101	69	173	405	810	1470	2301	3274	4204	4962	5431	5673	5774
55	31	48	129	266	505	681	818	775	608	321	142	50	31	79	208	474	979	1660	2478	3253	3861	4182	4324	4374
60	5	16	58	154	352	531	663	620	460	195	67	18	5	21	79	233	585	1116	1779	2399	2859	3054	3121	3139
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	148	187	312	442	647	788	891	870	731	501	323	186	148	335	647	1089	1736	2524	3415	4285	5016	5517	5840	6026

(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

Complete documentation available from:
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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

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

c. Snow Tables
   1. Snow Climatology
   2. Cooperative Summary of the Day

d. Freeze Data Table
   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