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: CAMDEN 3 W, SC **COOP ID: 381310**

Climate Division: SC 3 **NWS Call Sign:** **Elevation: 140 Feet** **Lat: 34˚15N** **Lon: 80˚39W**

Temperature (˚F)

Month	Mean (1)			Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
	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	52.8	28.9	40.9	81	1950	26	53.6	1974	-3	1985	22	30.7	1977	749	0	.0	.0	19.6	.7	20.0	@
Feb	57.6	30.4	44.0	83+	1997	28	51.0	1990	7+	1973	13	35.4	1978	588	0	.0	.0	20.6	.4	16.8	.0
Mar	65.8	37.2	51.5	88+	1985	31	57.5	1997	7	1980	3	46.2	1971	421	3	.0	.0	29.0	@	10.3	.0
Apr	73.6	44.7	59.2	93	1967	8	63.2	1999	22	1964	1	54.6	1983	195	18	.0	.2	29.8	.0	2.5	.0
May	79.8	54.7	67.3	98	1963	20	71.6	1991	33+	1971	4	63.3	1997	54	125	.0	1.5	31.0	.0	.0	.0
Jun	85.5	63.9	74.7	111	1954	28	79.0	1981	44+	1972	12	70.5	1972	2	292	.1	8.0	30.0	.0	.0	.0
Jul	88.4	68.7	78.6	105	1952	30	83.4	1993	52+	1983	10	75.2	1975	0	421	.6	15.4	31.0	.0	.0	.0
Aug	86.2	67.6	76.9	104	1983	22	80.5	1999	52+	1969	29	74.4	1994	0	369	.2	10.4	31.0	.0	.0	.0
Sep	81.2	61.3	71.3	102	1954	7	75.9	1980	37	1967	30	68.8	1984	10	197	.0	2.9	30.0	.0	.0	.0
Oct	72.2	47.9	60.1	100	1954	6	66.6	1984	21	1952	22	54.0	1987	197	43	.0	.2	30.9	.0	1.2	.0
Nov	63.7	38.3	51.0	89	1961	3	58.5	1985	11+	1970	26	44.5	1976	423	3	.0	.0	28.2	.0	10.5	.0
Dec	55.3	31.1	43.2	81+	1998	9	52.6	1971	5	1983	27	35.4	2000	677	0	.0	.0	22.0	.3	18.6	.0
Ann	71.8	47.9	59.9	111	Jun 1954	28	83.4	Jul 1993	-3	Jan 1985	22	30.7	Jan 1977	3316	1471	.9	38.6	333.1	1.4	79.9	@

+ 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: 1948-2001

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

Issue Date: February 2004

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: CAMDEN 3 W, SC **COOP ID: 381310**

Climate Division: SC 3 **NWS Call Sign:** **Elevation: 140 Feet** **Lat: 34°15N** **Lon: 80°39W**

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	4.56	4.44	2.81	1993	8	9.02	1998	.72	1981
Feb	3.50	3.61	2.63	1984	14	7.48	1979	.95	1986
Mar	4.30	3.95	4.22	1983	18	10.14	1980	.41	1985
Apr	2.90	2.87	3.67	1969	16	6.56	1979	.16	1976
May	3.22	2.84	2.62	1957	12	7.23	1984	.63	2000
Jun	4.33	4.04	4.53	1965	9	10.29	1973	.61	1986
Jul	5.00	4.53	5.70	1997	24	9.91	1989	.88	1990
Aug	5.04	4.86	5.31	1995	27	9.27	1974	.54	1984
Sep	4.06	4.28	6.07	1998	4	8.84	1987	.26	1984
Oct	3.31	2.41	9.62	1990	11	16.93	1990	.00+	2000
Nov	3.09	2.82	2.79	1963	6	8.53	1985	.31	1973
Dec	3.34	2.75	3.99	1994	23	8.01	1983	.39	1988
Ann	46.65	46.48	9.62	Oct 1990	11	16.93	Oct 1990	.00+	Oct 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	12.1	7.7	3.3	1.2
Feb	9.6	5.9	2.2	1.0
Mar	10.2	7.0	3.1	1.1
Apr	7.9	4.9	1.8	.7
May	9.1	5.8	2.1	.9
Jun	10.2	7.0	3.2	1.3
Jul	10.9	7.3	3.2	1.3
Aug	10.6	7.1	3.0	1.5
Sep	8.3	5.7	2.5	1.2
Oct	6.6	4.4	1.9	1.0
Nov	7.8	5.1	2.2	1.0
Dec	10.1	6.1	2.1	.7
Ann	113.4	74.0	30.6	12.9

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	1.59	2.02	2.64	3.17	3.68	4.20	4.77	5.43	6.27	7.58	8.79
Feb	.92	1.25	1.76	2.21	2.64	3.10	3.61	4.22	5.01	6.25	7.41
Mar	1.29	1.70	2.32	2.84	3.35	3.89	4.47	5.16	6.05	7.44	8.73
Apr	.40	.64	1.05	1.46	1.88	2.35	2.89	3.55	4.44	5.90	7.31
May	.86	1.16	1.63	2.04	2.44	2.86	3.33	3.88	4.60	5.73	6.79
Jun	1.07	1.48	2.11	2.67	3.22	3.81	4.46	5.24	6.25	7.86	9.36
Jul	1.33	1.80	2.52	3.16	3.78	4.44	5.17	6.03	7.15	8.92	10.57
Aug	1.60	2.07	2.78	3.39	3.97	4.58	5.25	6.03	7.03	8.59	10.04
Sep	.62	.97	1.55	2.11	2.70	3.33	4.06	4.95	6.15	8.10	9.97
Oct	.00	.54	1.20	1.73	2.25	2.80	3.42	4.13	5.11	6.67	8.16
Nov	.76	1.05	1.50	1.90	2.30	2.72	3.18	3.74	4.47	5.62	6.69
Dec	.73	1.04	1.53	1.97	2.42	2.89	3.42	4.06	4.90	6.24	7.50
Ann	34.44	36.83	39.89	42.19	44.23	46.19	48.21	50.44	53.13	57.02	60.36

\+ 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: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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

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

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: CAMDEN 3 W, SC **COOP ID: 381310**

Climate Division: SC 3 **NWS Call Sign:** **Elevation: 140 Feet** **Lat: 34°15N** **Lon: 80°39W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	.5	.0	#	0
Feb	1.5	.0	#	0
Mar	.3	.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
Dec	.1	.0	#	0
Ann	2.4	.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	4.0	1973	8	4.0	1973	4	1982	14	#+	2000
Feb	9.0	1973	10	12.0	1973	12	1973	11	1	1973
Mar	4.0	1971	26	4.0	1971	2	1971	26	#+	1998
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	#	1976	15	#	1976	0	0	0	0	0
Dec	1.0	1971	3	1.0+	1993	1+	1993	23	#+	1993
Ann	9.0	Feb 1973	10	12.0	Feb 1973	12	Feb 1973	11	1	Feb 1973

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.2	.2	.1	.0	.0
Feb	.3	.3	.2	.1	.0
Mar	.1	.1	.1	.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	.0	.0	.0
Ann	.7	.7	.4	.1	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.2	.2	.0	.0
Feb	.2	.2	.1	@
Mar	.1	.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	.0	.0	.0
Ann	.6	.4	.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

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

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: CAMDEN 3 W, SC **COOP ID: 381310**

Climate Division: SC 3 **NWS Call Sign:** **Elevation: 140 Feet** **Lat: 34˚15N** **Lon: 80˚39W**

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	5/01	4/26	4/23	4/20	4/17	4/14	4/11	4/07	4/02
32	4/22	4/17	4/13	4/10	4/06	4/03	3/31	3/27	3/21
28	4/07	4/01	3/28	3/24	3/21	3/18	3/14	3/10	3/05
24	3/21	3/14	3/09	3/05	3/01	2/25	2/20	2/15	2/08
20	3/10	3/02	2/25	2/21	2/16	2/12	2/07	2/02	1/26
16	2/28	2/19	2/13	2/07	2/02	1/27	1/20	1/11	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	10/09	10/14	10/17	10/20	10/23	10/25	10/28	10/31	11/05
32	10/15	10/20	10/24	10/28	10/31	11/03	11/06	11/10	11/15
28	11/02	11/07	11/10	11/13	11/16	11/19	11/22	11/25	11/30
24	11/11	11/19	11/24	11/29	12/04	12/08	12/13	12/18	12/26
20	11/22	12/02	12/08	12/14	12/19	12/25	12/30	1/06	1/15
16	12/07	12/16	12/22	12/28	1/03	1/08	1/15	1/24	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	207	201	196	192	188	185	181	176	169
32	230	222	216	211	207	202	197	191	183
28	262	254	249	244	239	235	230	224	216
24	305	296	289	283	277	272	266	259	249
20	339	326	317	310	303	297	290	282	271
16	>365	>365	>365	337	327	318	311	303	292

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

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: CAMDEN 3 W, SC **COOP ID: 381310**

Climate Division: SC 3 **NWS Call Sign:** **Elevation: 140 Feet** **Lat: 34˚15N** **Lon: 80˚39W**

Degree Days to Selected Base Temperatures (˚F)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	749	588	421	195	54	2	0	0	10	197	423	677	3316
60	604	449	279	93	14	0	0	0	1	106	287	527	2360
57	517	371	204	52	5	0	0	0	0	67	214	440	1870
55	461	319	162	32	2	0	0	0	0	46	171	383	1576
50	333	203	79	6	0	0	0	0	0	15	88	256	980
32	52	10	0	0	0	0	0	0	0	0	0	21	83

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	327	346	604	813	1093	1280	1444	1392	1177	869	570	368	10283
55	23	11	53	155	382	590	731	679	487	202	51	17	3381
57	16	7	34	115	323	530	669	617	427	161	34	11	2944
60	10	1	16	67	240	440	576	524	339	107	17	6	2343
65	0	0	3	18	125	292	421	369	197	43	3	0	1471
70	0	0	0	3	49	159	270	217	81	12	0	0	791

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	145	198	392	593	861	1054	1214	1165	954	646	360	188	145	343	735	1328	2189	3243	4457	5622	6576	7222	7582	7770
45	77	113	257	443	706	904	1059	1010	804	491	238	100	77	190	447	890	1596	2500	3559	4569	5373	5864	6102	6202
50	36	54	152	305	551	754	904	855	654	343	136	54	36	90	242	547	1098	1852	2756	3611	4265	4608	4744	4798
55	11	21	71	183	396	604	749	700	504	210	69	25	11	32	103	286	682	1286	2035	2735	3239	3449	3518	3543
60	0	5	33	94	257	454	594	545	356	110	24	4	0	5	38	132	389	843	1437	1982	2338	2448	2472	2476
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	108	156	275	390	566	722	842	812	650	411	242	136	108	264	539	929	1495	2217	3059	3871	4521	4932	5174	5310

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

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