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: CALHOUN FALLS, SC **COOP ID: 381277**

Climate Division: SC 5 **NWS Call Sign:** **Elevation: 530 Feet** **Lat: 34˚05N** **Lon: 82˚35W**

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	52.9	29.8	41.4	85+	1975	31	52.7	1974	-2+	1985	22	32.3	1977	734	0	.0	.0	19.3	.6	17.5	.1
Feb	57.7	31.9	44.8	83+	1948	27	51.1	1990	5+	1958	18	37.4	1978	565	0	.0	.0	20.7	.3	13.9	.0
Mar	66.0	39.4	52.7	90+	1945	19	59.4	1997	10+	1980	4	47.0	1998	391	9	.0	.0	28.5	@	6.8	.0
Apr	74.4	46.4	60.4	94	1943	28	65.2	1981	26	1964	1	55.7	1983	170	31	.0	.3	29.8	.0	1.0	.0
May	81.4	55.6	68.5	98+	1962	28	73.5	1975	34	1971	5	62.0	1997	50	160	.0	3.0	31.0	.0	.0	.0
Jun	88.0	63.8	75.9	106	1944	19	79.5	1986	45+	1984	1	69.9	1997	2	329	.4	12.3	30.0	.0	.0	.0
Jul	91.5	68.2	79.9	109	1945	1	84.5	1993	51	1970	7	76.4	1984	0	460	2.2	20.9	31.0	.0	.0	.0
Aug	89.8	67.0	78.4	105+	1983	23	82.7	1980	52	1968	29	73.9	1997	0	415	1.4	16.0	31.0	.0	.0	.0
Sep	84.1	60.4	72.3	102+	1954	7	76.7	1980	35	1967	30	69.1	1999	9	228	.1	7.1	30.0	.0	.0	.0
Oct	74.5	47.6	61.1	100	1954	7	67.1	1984	23	1952	30	56.1	1987	170	48	.0	.3	31.0	.0	.7	.0
Nov	65.0	38.3	51.7	87+	1974	4	59.6	1985	10+	1950	26	45.1	1997	404	5	.0	.0	28.5	.0	7.6	.0
Dec	55.7	31.6	43.7	82+	1991	3	51.8	1971	2	1962	13	36.7	2000	662	0	.0	.0	22.2	.3	15.4	.0
Ann	73.4	48.3	60.9	109	Jul 1945	1	84.5	Jul 1993	-2+	Jan 1985	22	32.3	Jan 1977	3157	1685	4.1	59.9	333.0	1.2	62.9	.1

\+ 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

(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: CALHOUN FALLS, SC **COOP ID: 381277**

Climate Division: SC 5 **NWS Call Sign:** **Elevation: 530 Feet** **Lat: 34˚05N** **Lon: 82˚35W**

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	4.98	5.04	3.62	1969	20	7.40	1975	.85	1981
Feb	4.43	4.48	2.68	1940	18	8.47	1979	.72	1978
Mar	5.08	5.01	4.18	1952	4	11.78	1980	.88	1985
Apr	3.22	2.88	3.79	1969	16	7.84	1979	.43	1976
May	3.71	3.23	3.33	1953	1	9.37	1976	1.02	2000
Jun	3.80	3.38	4.79	1994	29	14.03	1994	.64+	1993
Jul	4.48	4.63	7.80	1991	17	11.52	1991	.89	1993
Aug	3.72	3.21	7.06	1940	13	14.97	1995	.70	1997
Sep	3.54	3.42	4.68+	1975	18	12.27	1975	.33	1984
Oct	3.06	2.73	4.90	1970	30	6.58	1990	.01+	2000
Nov	3.65	3.37	2.66	1976	15	7.85	1992	1.00	1981
Dec	3.74	3.22	2.53	1997	25	8.30	1983	.70	1988
Ann	47.41	49.84	7.80	Jul 1991	17	14.97	Aug 1995	.01+	Oct 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	11.8	8.1	3.7	1.5
Feb	9.6	6.6	3.3	1.3
Mar	10.0	7.4	3.4	1.5
Apr	8.1	5.6	2.2	.8
May	8.6	6.0	2.6	1.0
Jun	9.0	6.1	2.7	.9
Jul	9.5	6.5	2.9	1.4
Aug	8.8	5.8	2.2	.9
Sep	7.6	5.2	2.1	1.0
Oct	6.4	4.3	2.0	1.1
Nov	8.8	6.1	2.7	1.0
Dec	10.2	6.7	2.7	.9
Ann	108.4	74.4	32.5	13.3

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	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.00	2.46	3.11	3.65	4.15	4.67	5.22	5.86	6.68	7.92	9.05
Feb	1.36	1.79	2.41	2.95	3.48	4.02	4.61	5.31	6.22	7.62	8.93
Mar	1.58	2.07	2.78	3.40	3.99	4.61	5.29	6.09	7.11	8.72	10.20
Apr	.59	.87	1.34	1.78	2.23	2.71	3.26	3.93	4.81	6.24	7.60
May	.93	1.28	1.82	2.30	2.77	3.27	3.82	4.48	5.34	6.71	7.99
Jun	.73	1.07	1.63	2.14	2.66	3.22	3.86	4.62	5.64	7.27	8.81
Jul	1.11	1.53	2.19	2.76	3.34	3.94	4.61	5.41	6.46	8.12	9.67
Aug	.73	1.06	1.61	2.11	2.62	3.16	3.78	4.53	5.51	7.10	8.60
Sep	.50	.79	1.30	1.79	2.30	2.87	3.52	4.32	5.40	7.15	8.84
Oct	.14	.29	.64	1.05	1.52	2.08	2.78	3.68	4.95	7.14	9.34
Nov	1.22	1.56	2.07	2.50	2.91	3.34	3.81	4.35	5.05	6.14	7.14
Dec	1.22	1.57	2.09	2.54	2.97	3.41	3.90	4.47	5.20	6.34	7.40
Ann	32.77	35.57	39.18	41.93	44.39	46.76	49.22	51.95	55.27	60.09	64.27

\+ 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

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: CALHOUN FALLS, SC **COOP ID: 381277**

Climate Division: SC 5 **NWS Call Sign:** **Elevation: 530 Feet** **Lat: 34°05N** **Lon: 82°35W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	.1	.0	#	0
Feb	.6	.0	#	0
Mar	.4	.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
Dec	.1	.0	0	0
Ann	1.2	.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	1.5	1973	8	1.5	1973	1	1987	28	#+	1996
Feb	7.0	1973	10	8.0	1973	1	1996	4	#+	1996
Mar	3.0	1993	14	3.8	1980	0	0	0	0	0
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	#	1975	24	#+	1975	0	0	0	0	0
Dec	3.0	1971	4	3.0	1971	0	0	0	0	0
Ann	7.0	Feb 1973	10	8.0	Feb 1973	1+	Feb 1996	4	#+	Feb 1996

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.1	.1	.0	.0	.0
Feb	.3	.3	@	@	.0
Mar	.2	.2	@	.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	@	@	@	.0	.0
Ann	.6	.6	@	@	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.1	.0	.0	.0
Feb	@	.0	.0	.0
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	.0	.0	.0	.0
Ann	.1	.0	.0	.0

+ 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: CALHOUN FALLS, SC **COOP ID: 381277**

Climate Division: SC 5 **NWS Call Sign:** **Elevation: 530 Feet** **Lat: 34˚05N** **Lon: 82˚35W**

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	4/29	4/23	4/18	4/14	4/11	4/07	4/03	3/29	3/23
32	4/16	4/11	4/07	4/03	3/31	3/28	3/24	3/20	3/14
28	3/28	3/22	3/17	3/13	3/10	3/06	3/02	2/26	2/19
24	3/12	3/05	2/28	2/24	2/20	2/16	2/12	2/07	2/01
20	3/08	2/27	2/21	2/15	2/10	2/04	1/29	1/21	1/06
16	3/01	2/19	2/12	2/05	1/30	1/22	1/14	12/28	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	10/11	10/16	10/20	10/23	10/26	10/29	11/01	11/04	11/09
32	10/20	10/26	10/30	11/03	11/06	11/09	11/13	11/17	11/23
28	11/03	11/09	11/13	11/16	11/20	11/23	11/27	12/01	12/06
24	11/17	11/24	11/29	12/03	12/07	12/11	12/15	12/20	12/27
20	12/03	12/14	12/21	12/28	1/03	1/09	1/17	1/26	2/12
16	12/18	12/28	1/05	1/12	1/19	1/27	2/06	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	220	212	207	202	197	193	188	182	174
32	240	233	228	224	219	215	211	206	199
28	272	266	261	258	254	251	247	243	237
24	317	308	301	295	289	284	278	271	262
20	>365	>365	339	329	321	314	307	299	289
16	>365	>365	>365	>365	>365	347	333	322	308

***** 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: CALHOUN FALLS, SC **COOP ID: 381277**

Climate Division: SC 5 **NWS Call Sign:** **Elevation: 530 Feet** **Lat: 34˚05N** **Lon: 82˚35W**

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	734	565	391	170	50	2	0	0	9	170	404	662	3157
60	587	426	258	79	15	0	0	0	1	84	270	513	2233
57	500	347	191	43	6	0	0	0	0	49	200	426	1762
55	444	295	152	26	3	0	0	0	0	32	160	370	1482
50	315	180	76	5	0	0	0	0	0	9	81	245	911
32	42	5	0	0	0	0	0	0	0	0	0	19	66

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	331	364	640	851	1132	1318	1483	1438	1208	901	590	380	10636
55	20	10	80	187	422	628	770	725	518	220	60	18	3658
57	14	6	56	144	363	568	708	663	459	175	41	12	3209
60	8	1	30	90	279	478	615	570	370	116	20	6	2583
65	0	0	9	31	160	329	460	415	228	48	5	0	1685
70	0	0	0	6	75	192	306	265	110	13	0	0	967

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	154	214	420	625	906	1099	1261	1216	995	682	385	199	154	368	788	1413	2319	3418	4679	5895	6890	7572	7957	8156
45	78	121	281	476	751	949	1106	1061	845	527	256	109	78	199	480	956	1707	2656	3762	4823	5668	6195	6451	6560
50	34	61	170	337	596	799	951	906	695	376	149	50	34	95	265	602	1198	1997	2948	3854	4549	4925	5074	5124
55	9	20	85	207	441	649	796	751	545	239	75	26	9	29	114	321	762	1411	2207	2958	3503	3742	3817	3843
60	0	3	32	105	293	499	641	596	398	125	29	2	0	3	35	140	433	932	1573	2169	2567	2692	2721	2723
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	99	149	274	401	597	747	856	832	673	438	250	127	99	248	522	923	1520	2267	3123	3955	4628	5066	5316	5443

(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