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: GEORGETOWN 2 E, SC **COOP ID: 383468**

Climate Division: SC 4 **NWS Call Sign:** **Elevation: 10 Feet** **Lat: 33˚22N** **Lon: 79˚13W**

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	59.6	37.2	48.4	84	1937	23	61.7	1974	6	1985	21	37.5	1977	529	3	.0	.0	26.4	.1	10.6	.0
Feb	62.8	38.7	50.8	84+	1990	3	58.4	1990	11	1943	15	40.9	1978	405	6	.0	.0	24.9	.2	7.5	.0
Mar	69.7	44.7	57.2	94	1935	21	63.2	1997	11+	1980	3	51.8	1971	264	21	.0	@	30.4	@	2.9	.0
Apr	76.5	51.0	63.8	94	1981	30	68.6	1994	28	1971	1	59.4	1983	94	56	.0	.8	30.0	.0	.2	.0
May	82.9	59.4	71.2	99+	1941	23	75.2	1991	38+	1989	8	67.9	1992	10	199	.0	3.2	31.0	.0	@	.0
Jun	87.6	66.7	77.2	106	1990	30	81.3	1981	45	1969	13	73.1	1997	0	366	.1	10.6	30.0	.0	.0	.0
Jul	90.6	70.9	80.8	105	1977	10	85.0	1993	56	1988	2	77.3	1975	0	488	.6	18.3	31.0	.0	.0	.0
Aug	89.1	69.7	79.4	104	1954	18	83.0	1987	46	1999	30	76.6	1976	0	447	.1	14.4	31.0	.0	.0	.0
Sep	85.0	65.6	75.3	101+	1944	5	78.1	1980	44+	1942	30	72.3	1984	1	311	.0	4.9	30.0	.0	.0	.0
Oct	77.3	54.9	66.1	96+	1986	5	71.6	1985	30	1976	29	60.0	1987	78	111	.0	.3	31.0	.0	.1	.0
Nov	69.9	46.4	58.2	87+	1987	3	66.4	1985	18	1950	26	51.1	1976	236	31	.0	.0	29.8	.0	2.3	.0
Dec	62.3	39.5	50.9	83	1998	8	58.8	1971	10	1943	16	42.2	1989	448	10	.0	.0	27.9	.1	8.0	.0
Ann	76.1	53.7	64.9	106	Jun 1990	30	85.0	Jul 1993	6	Jan 1985	21	37.5	Jan 1977	2065	2049	.8	52.5	353.4	.4	31.6	.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

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

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	4.66	4.47	3.80	1999	24	10.69	1998	1.60	1981
Feb	3.41	2.58	5.03	1940	10	12.52	1998	.59	1976
Mar	4.00	4.11	3.70	1953	12	10.51	1983	.84	1982
Apr	2.67	2.39	2.70	1982	26	7.98	1982	.05	1972
May	4.21	3.42	4.40	1992	30	9.53	1992	.61	1982
Jun	5.63	5.09	10.56	1945	25	11.99	1994	1.40	1978
Jul	6.13	6.06	5.04	1959	9	15.69	1996	.12	1987
Aug	7.40	6.31	8.55	1995	28	19.49	1971	.99	1997
Sep	6.64	5.50	11.89	1999	16	17.31	1999	.58	1981
Oct	4.26	3.04	8.80	1954	15	12.59	1971	.00	2000
Nov	3.25	3.01	4.90	1985	22	11.70	1985	.65	1996
Dec	3.94	4.14	4.70	1964	27	10.34	1994	.75	1984
Ann	56.20	55.92	11.89	Sep 1999	16	19.49	Aug 1971	.00	Oct 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	10.2	7.4	3.5	1.3
Feb	8.2	5.9	2.5	1.1
Mar	8.6	5.7	2.7	1.3
Apr	6.7	4.6	1.8	.9
May	8.1	5.5	2.7	1.4
Jun	9.8	7.0	3.8	1.7
Jul	11.0	7.9	3.9	1.8
Aug	12.3	9.1	4.3	2.3
Sep	10.2	6.4	3.5	2.0
Oct	6.4	4.4	2.3	1.2
Nov	7.7	5.0	2.0	1.0
Dec	8.8	5.8	2.6	1.3
Ann	108.0	74.7	35.6	17.3

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	1.86	2.29	2.90	3.40	3.88	4.36	4.88	5.49	6.25	7.42	8.49
Feb	.68	.99	1.49	1.95	2.41	2.91	3.47	4.14	5.04	6.47	7.83
Mar	1.48	1.85	2.39	2.84	3.27	3.71	4.19	4.74	5.45	6.53	7.53
Apr	.23	.41	.77	1.14	1.54	2.01	2.56	3.25	4.20	5.79	7.36
May	.82	1.20	1.82	2.39	2.97	3.58	4.29	5.13	6.25	8.05	9.75
Jun	1.94	2.47	3.24	3.90	4.53	5.17	5.88	6.70	7.75	9.38	10.88
Jul	1.24	1.79	2.69	3.52	4.35	5.24	6.24	7.45	9.06	11.62	14.05
Aug	1.25	1.89	2.97	3.98	5.03	6.16	7.46	9.03	11.14	14.54	17.79
Sep	.83	1.36	2.30	3.23	4.21	5.29	6.56	8.12	10.23	13.71	17.07
Oct	.12	.42	.99	1.60	2.28	3.07	4.01	5.20	6.86	9.66	12.43
Nov	.71	1.00	1.48	1.91	2.35	2.81	3.33	3.95	4.77	6.08	7.31
Dec	.85	1.21	1.79	2.31	2.84	3.40	4.03	4.78	5.77	7.36	8.85
Ann	39.40	42.63	46.79	49.95	52.76	55.48	58.29	61.41	65.19	70.68	75.44

\+ 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	.2	.0	0	0
Feb	.1	.0	0	0
Mar	.2	.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
Ann	.5	.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	1988	15	4.0+	1988	0	0	0	0	0
Feb	3.0	1973	10	3.0	1973	9	1973	11	1	1973
Mar	4.0	1980	2	4.0	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	.0	0	0	.0	0	0	0	0	0	0
Dec	#	1988	12	#+	1988	0	0	0	0	0
Ann	4.0+	Jan 1988	15	4.0+	Jan 1988	9	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	@	@	@	.0	.0
Feb	.1	.1	@	.0	.0
Mar	@	@	@	.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	.0	.0	.0
Ann	.1	.1	@	.0	.0

Snow Depth >= Thresholds

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

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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	4/27	4/19	4/13	4/08	4/04	3/30	3/25	3/19	3/11
32	4/06	3/31	3/26	3/22	3/18	3/14	3/10	3/05	2/26
28	3/21	3/13	3/08	3/03	2/26	2/22	2/17	2/12	2/04
24	3/11	3/02	2/24	2/18	2/13	2/08	2/02	1/25	1/11
20	2/22	2/12	2/05	1/29	1/22	1/15	1/03	0/00	0/00
16	2/02	1/19	1/05	0/00	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	10/21	10/27	11/01	11/04	11/08	11/12	11/15	11/20	11/26
32	10/31	11/07	11/12	11/16	11/19	11/23	11/27	12/02	12/09
28	11/17	11/25	12/01	12/06	12/11	12/15	12/20	12/26	1/03
24	11/26	12/06	12/14	12/20	12/26	1/02	1/09	1/18	2/04
20	12/15	12/25	1/02	1/10	1/17	1/26	2/07	0/00	0/00
16	1/02	1/16	1/30	0/00	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	245	236	229	223	218	212	206	200	190
32	274	264	257	251	246	240	234	228	218
28	312	303	297	292	287	281	276	270	261
24	>365	>365	329	319	312	305	298	291	281
20	>365	>365	>365	>365	>365	353	341	330	318
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)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	529	405	264	94	10	0	0	0	1	78	236	448	2065
60	393	277	153	32	1	0	0	0	0	28	137	311	1332
57	319	210	103	13	0	0	0	0	0	13	91	240	989
55	276	171	75	7	0	0	0	0	0	8	66	200	803
50	185	94	27	1	0	0	0	0	0	1	24	116	448
32	15	1	0	0	0	0	0	0	0	0	0	3	19

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	524	526	780	952	1212	1356	1511	1470	1300	1057	785	589	12062
55	71	52	142	269	499	666	798	757	610	351	160	72	4447
57	53	34	108	215	437	606	736	695	550	295	125	51	3905
60	33	18	65	144	345	516	643	602	460	217	81	29	3153
65	3	6	21	56	199	366	488	447	311	111	31	10	2049
70	2	0	5	12	85	223	333	292	168	42	9	0	1171

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	300	342	541	720	969	1127	1276	1237	1076	820	554	360	300	642	1183	1903	2872	3999	5275	6512	7588	8408	8962	9322
45	181	225	391	570	814	977	1121	1082	926	665	409	234	181	406	797	1367	2181	3158	4279	5361	6287	6952	7361	7595
50	99	131	256	420	659	827	966	927	776	510	275	133	99	230	486	906	1565	2392	3358	4285	5061	5571	5846	5979
55	44	65	145	283	504	677	811	772	626	362	165	69	44	109	254	537	1041	1718	2529	3301	3927	4289	4454	4523
60	16	24	68	160	352	527	656	617	476	222	81	28	16	40	108	268	620	1147	1803	2420	2896	3118	3199	3227
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	179	215	337	460	654	784	893	871	757	537	348	225	179	394	731	1191	1845	2629	3522	4393	5150	5687	6035	6260

(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