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: WEDGEFIELD, SC **COOP ID: 389039**

Climate Division: SC 6 **NWS Call Sign:** **Elevation: 250 Feet** **Lat: 33˚54N** **Lon: 80˚31W**

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	55.6	34.3	45.0	81	1950	5	57.0	1974	11+	2001	3	34.4	1977	629	0	.0	.0	22.4	.3	12.9	@
Feb	60.4	36.5	48.5	83+	1997	27	56.8	1990	9	1996	5	39.8	1978	463	1	.0	.0	23.2	.2	10.1	.0
Mar	67.8	42.8	55.3	87	1990	12	62.1	1997	16	1996	9	48.9	1971	313	13	.0	@	30.1	@	4.8	.0
Apr	76.3	49.4	62.9	92	1987	30	66.6	1981	27+	2001	18	57.4	1983	113	48	.0	.9	29.9	.0	.9	.0
May	82.2	58.1	70.2	98	1996	19	74.5	2000	35	1989	8	66.7	1972	25	184	.0	3.0	31.0	.0	.0	.0
Jun	87.1	65.6	76.4	103	1950	28	80.6	1998	46	1988	5	72.4	1972	1	341	.1	5.8	30.0	.0	.0	.0
Jul	90.5	69.4	80.0	104	1999	31	85.1	1993	54	1988	7	76.9	1984	0	463	1.2	17.5	31.0	.0	.0	.0
Aug	89.1	67.9	78.5	104	1999	1	83.6	1999	56+	1999	31	75.7	1976	0	419	.3	8.0	31.0	.0	.0	.0
Sep	84.8	63.1	74.0	98	1993	1	77.8	1980	43+	1999	23	71.0	2000	3	271	.0	6.0	30.0	.0	.0	.0
Oct	76.1	51.5	63.8	95+	1986	5	70.0	1984	28+	2001	29	57.4	1988	125	88	.0	.3	31.0	.0	.5	.0
Nov	67.2	43.3	55.3	89	1999	1	63.3	1985	16	2000	22	48.2	1976	309	15	.0	.0	29.2	.0	5.6	.0
Dec	58.4	35.8	47.1	84	1998	7	55.7	1971	13+	2000	24	36.2	2000	562	7	.0	.0	25.2	.1	11.4	.0
Ann	74.6	51.5	63.1	104+	Aug 1999	1	85.1	Jul 1993	9	Feb 1996	5	34.4	Jan 1977	2543	1850	1.6	41.5	344.0	.6	46.2	@

\+ 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

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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	4.89	4.95	2.31	1993	6	8.96	1993	.70	1981
Feb	3.10	3.18	2.15	1995	11	8.30	1998	.54	1978
Mar	4.27	3.98	2.10	1991	2	9.08	1980	.88	1985
Apr	2.51	2.18	2.80	1999	30	5.85	1997	.54	1986
May	3.50	2.98	3.60	1991	6	7.57	1991	.75	1999
Jun	4.73	4.41	6.50	2001	13	9.75	1989	1.44	1996
Jul	4.70	4.12	3.75	1997	24	10.57	1991	.67	1987
Aug	5.00	4.58	4.25	1992	13	10.48	1992	.95	1997
Sep	3.98	3.83	3.10	1998	3	7.46	1989	.58	1985
Oct	3.26	2.66	8.20	1990	11	16.50	1990	.03	2000
Nov	2.81	2.77	1.75	1993	27	6.54	1992	.69	1998
Dec	3.06	2.73	2.60	1994	23	6.09	1994	.61+	2000
Ann	45.81	45.58	8.20	Oct 1990	11	16.50	Oct 1990	.03	Oct 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	12.5	8.2	3.4	1.2
Feb	10.1	7.0	2.6	.9
Mar	10.7	8.0	2.7	1.0
Apr	3.9	2.6	1.0	.4
May	10.5	6.0	1.8	.4
Jun	12.4	8.5	3.4	1.3
Jul	12.9	9.0	3.4	1.5
Aug	11.4	6.6	2.3	.9
Sep	10.7	6.8	2.0	1.0
Oct	7.3	4.9	2.1	.8
Nov	8.3	5.3	1.8	.4
Dec	9.5	6.1	2.1	.7
Ann	120.2	79.0	28.6	10.5

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	1.80	2.26	2.92	3.47	3.99	4.53	5.11	5.79	6.65	7.97	9.19
Feb	.80	1.10	1.55	1.94	2.33	2.74	3.20	3.74	4.45	5.56	6.61
Mar	1.51	1.91	2.50	2.99	3.46	3.94	4.46	5.08	5.86	7.07	8.18
Apr	.61	.85	1.22	1.54	1.86	2.21	2.59	3.04	3.64	4.58	5.46
May	1.09	1.42	1.91	2.34	2.75	3.17	3.64	4.19	4.90	6.00	7.03
Jun	1.69	2.14	2.78	3.32	3.83	4.36	4.94	5.61	6.46	7.79	9.00
Jul	1.12	1.56	2.24	2.86	3.47	4.11	4.84	5.70	6.82	8.61	10.30
Aug	1.61	2.09	2.79	3.38	3.96	4.55	5.21	5.97	6.95	8.48	9.89
Sep	1.20	1.58	2.14	2.63	3.11	3.60	4.14	4.78	5.60	6.89	8.09
Oct	.26	.47	.90	1.35	1.85	2.42	3.10	3.97	5.16	7.17	9.16
Nov	.88	1.15	1.55	1.89	2.21	2.55	2.93	3.36	3.92	4.80	5.61
Dec	.83	1.12	1.56	1.95	2.33	2.73	3.17	3.69	4.37	5.44	6.44
Ann	33.32	35.76	38.88	41.23	43.32	45.33	47.41	49.70	52.47	56.48	59.94

\+ 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

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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	.8	.0	#	0
Feb	.4	.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	.2	.0	#	0
Ann	1.4	.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	4.5	2000	25	4.5	2000	3	2000	25	#+	2000
Feb	2.0	1989	23	3.5	1989	4	1989	24	#+	1996
Mar	.5	1993	13	.5	1993	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	1.6	1993	23	1.6	1993	1	1989	23	#	1989
Ann	4.5	Jan 2000	25	4.5	Jan 2000	4	Feb 1989	24	#+	Jan 2000

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.4	.4	.1	.0	.0
Feb	.2	.2	.0	.0	.0
Mar	.1	.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	.2	.2	.0	.0	.0
Ann	.9	.8	.1	.0	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.3	.1	.0	.0
Feb	.1	.1	.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	.1	.0	.0	.0
Ann	.5	.2	.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	4/28	4/21	4/17	4/13	4/09	4/06	4/02	3/28	3/22
32	4/20	4/12	4/07	4/02	3/28	3/24	3/19	3/13	3/06
28	4/06	3/29	3/23	3/17	3/12	3/08	3/02	2/24	2/16
24	3/13	3/05	2/27	2/22	2/18	2/13	2/08	2/02	1/25
20	3/12	3/01	2/21	2/14	2/07	2/01	1/25	1/16	1/03
16	2/15	2/06	1/30	1/24	1/17	1/09	12/26	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	10/10	10/15	10/20	10/23	10/27	10/30	11/02	11/07	11/12
32	10/16	10/23	10/28	11/02	11/06	11/10	11/14	11/19	11/26
28	10/25	11/02	11/08	11/13	11/18	11/22	11/27	12/03	12/11
24	11/20	11/26	12/01	12/05	12/08	12/12	12/16	12/21	12/27
20	11/30	12/10	12/17	12/23	12/29	1/04	1/10	1/18	1/30
16	12/16	12/27	1/05	1/13	1/21	1/31	2/17	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	226	217	211	205	200	194	189	182	173
32	255	243	235	228	221	215	208	200	188
28	285	273	264	256	249	242	235	226	214
24	319	310	304	298	293	288	283	276	267
20	>365	355	336	326	318	310	303	294	283
16	>365	>365	>365	>365	>365	>365	360	333	313

***** 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	629	463	313	113	25	1	0	0	3	125	309	562	2543
60	485	334	190	42	4	0	0	0	0	58	190	418	1721
57	404	261	132	18	1	0	0	0	0	32	134	338	1320
55	353	217	100	9	0	0	0	0	0	20	103	289	1091
50	245	129	41	1	0	0	0	0	0	6	44	188	654
32	27	3	0	0	0	0	0	0	0	0	0	13	43

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	429	464	723	925	1182	1330	1486	1442	1258	986	696	480	11401
55	42	35	110	244	469	640	773	729	568	293	109	44	4056
57	31	23	81	193	408	580	711	667	508	243	81	31	3557
60	19	12	45	127	319	490	618	574	418	176	47	18	2863
65	0	1	13	48	184	341	463	419	271	88	15	7	1850
70	0	0	2	11	86	203	309	266	139	33	3	0	1052

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	210	290	505	692	952	1029	1257	1148	1023	748	466	270	210	500	1005	1697	2649	3678	4935	6083	7106	7854	8320	8590
45	119	180	357	544	797	879	1102	993	873	593	324	162	119	299	656	1200	1997	2876	3978	4971	5844	6437	6761	6923
50	58	99	228	396	642	729	947	838	723	438	207	87	58	157	385	781	1423	2152	3099	3937	4660	5098	5305	5392
55	23	45	121	258	487	579	792	683	573	294	111	41	23	68	189	447	934	1513	2305	2988	3561	3855	3966	4007
60	1	15	50	143	334	435	637	528	424	165	50	15	1	16	66	209	543	978	1615	2143	2567	2732	2782	2797
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	128	190	318	449	634	709	875	803	702	482	289	162	128	318	636	1085	1719	2428	3303	4106	4808	5290	5579	5741

(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