

Climatology of the United States No. 20

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WALTERBORO 1 SW, SC

1971-2000

COOP ID: 388922

Climate Division: SC 7

NWS Call Sign:

Elevation: 56 Feet

Lat: 32° 53N

Lon: 80° 41W

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	57.8	34.4	46.1	85	1957	29	58.8	1974	0	1985	21	35.1	1977	598	0	.0	.0	25.4	.2	11.8	@
Feb	61.9	36.6	49.3	87	1962	28	57.1	1990	9	1973	12	40.3	1978	443	1	.0	.0	25.0	.2	9.3	.0
Mar	69.2	43.1	56.2	92+	1974	11	61.9	1997	15	1980	3	48.0	1971	293	19	.0	.1	30.5	@	3.4	.0
Apr	76.7	49.5	63.1	95	1986	27	67.9	1994	26	1983	20	59.5	1983	106	49	.0	1.6	30.0	.0	.4	.0
May	83.6	58.6	71.1	100	1953	31	75.0	1991	31+	1989	8	66.8	1971	15	202	.0	6.2	31.0	.0	@	.0
Jun	88.4	66.1	77.3	106	1952	27	81.4	1981	44	1984	1	72.5	1972	0	368	.7	15.0	30.0	.0	.0	.0
Jul	91.7	70.3	81.0	106	1952	24	85.1	1993	54	1951	9	76.7	1971	0	495	1.8	22.8	31.0	.0	.0	.0
Aug	89.8	69.2	79.5	107	1954	17	83.0	1983	55+	1986	29	76.5	1971	0	449	.2	18.0	31.0	.0	.0	.0
Sep	84.7	64.6	74.7	100	1957	3	77.2	1977	37	1967	30	71.5	1981	1	291	.0	7.5	30.0	.0	.0	.0
Oct	76.5	52.9	64.7	100	1954	5	71.8	1985	24+	1952	31	58.7	1987	102	92	.0	.7	31.0	.0	.3	.0
Nov	68.5	43.1	55.8	91	1961	1	64.5	1985	11	1970	25	48.4	1976	298	22	.0	.0	29.5	.0	5.3	.0
Dec	60.2	36.8	48.5	85	1984	31	56.2	1971	5	1962	13	40.6	1989	515	3	.0	.0	27.3	.1	9.8	.0
Ann	75.8	52.1	63.9	107	Aug 1954	17	85.1	Jul 1993	0	Jan 1985	21	35.1	Jan 1977	2371	1991	2.7	71.9	351.7	.5	40.3	@

+ 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/normal/usnormals.html

Issue Date: February 2004

(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

057-A

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: WALTERBORO 1 SW, SC

COOP ID: 388922

Climate Division: SC 7

NWS Call Sign:

Elevation: 56 Feet

Lat: 32°53N

Lon: 80°41W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med- ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	4.04	4.25	2.90	1964	12	7.75	1993	.30	1985	9.7	7.2	3.0	1.3	1.22	1.61	2.18	2.68	3.15	3.65	4.20	4.84	5.68	6.97	8.18
Feb	3.36	3.22	2.80	1959	4	6.39	1972	1.00	1991	8.4	6.0	2.5	1.1	1.17	1.49	1.95	2.34	2.71	3.09	3.51	3.99	4.61	5.57	6.46
Mar	4.57	3.92	3.80	1976	9	14.58	1980	1.25	1985	8.6	6.3	3.2	1.6	1.38	1.81	2.46	3.02	3.56	4.13	4.75	5.48	6.42	7.90	9.26
Apr	2.72	2.74	2.70	1961	9	5.67	1998	.38	1972	6.8	5.3	1.9	.8	.55	.80	1.20	1.56	1.93	2.32	2.77	3.31	4.02	5.16	6.24
May	3.75	2.96	5.82	1967	22	14.17	1976	1.07	2000	8.9	6.4	2.5	1.0	.90	1.25	1.80	2.29	2.77	3.29	3.86	4.55	5.44	6.86	8.20
Jun	5.68	5.10	5.35	1961	27	12.97	1973	1.79	1988	11.7	8.0	3.0	1.6	1.84	2.37	3.17	3.85	4.50	5.18	5.92	6.79	7.90	9.64	11.24
Jul	5.05	4.45	7.30	1959	13	13.45	1971	2.02	1977	11.1	8.3	3.8	1.6	1.82	2.30	2.98	3.55	4.10	4.66	5.27	5.98	6.89	8.29	9.57
Aug	6.45	5.95	6.00	1949	28	11.66	1995	1.95	1979	12.1	7.9	3.6	1.7	2.10	2.71	3.61	4.38	5.12	5.88	6.72	7.70	8.96	10.92	12.73
Sep	4.56	5.02	5.70	1983	1	10.59	1979	.37	1991	9.7	6.6	2.7	1.4	.74	1.13	1.80	2.42	3.07	3.77	4.58	5.56	6.88	9.01	11.05
Oct	2.54	2.21	3.50	1959	29	8.09	1971	.05	2000	6.7	4.9	2.1	.9	.22	.39	.73	1.08	1.47	1.91	2.43	3.10	4.01	5.54	7.04
Nov	2.71	2.90	3.13	1978	30	5.29	1992	.59	1984	7.7	4.8	1.9	.6	.86	1.12	1.50	1.83	2.14	2.47	2.83	3.24	3.78	4.62	5.40
Dec	3.86	3.37	3.74	1972	6	7.25	1977	.77	1988	9.3	6.3	2.5	1.1	1.23	1.59	2.14	2.60	3.05	3.51	4.02	4.62	5.39	6.58	7.69
Ann	49.29	48.84	7.30	Jul 1959	13	14.58	Mar 1980	.05	Oct 2000	110.7	78.0	32.7	14.7	37.75	40.05	42.96	45.15	47.07	48.92	50.81	52.89	55.40	59.00	62.09

+ 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

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: WALTERBORO 1 SW, SC

COOP ID: 388922

Climate Division: SC 7

NWS Call Sign:

Elevation: 56 Feet

Lat: 32° 53N

Lon: 80° 41W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.2	.0	0	0	3.0	1973	10	3.0+	1973	10	1973	11	1	1973	.1	.1	.1	.0	.0	.0	.0	.0	.0
Mar	#	.0	0	0	#	1993	14	#+	1993	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.3	.0	#	0	3.0	1989	23	4.2	1989	4	1989	24	#+	1989	.2	.2	.1	.0	.0	.1	.1	.0	.0
Ann	.5	.0	N/A	N/A	3.0+	Dec 1989	23	4.2	Dec 1989	10	Feb 1973	11	1	Feb 1973	.3	.3	.2	.0	.0	.1	.1	.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/normal/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: WALTERBORO 1 SW, SC

COOP ID: 388922

Climate Division: SC 7

NWS Call Sign:

Elevation: 56 Feet

Lat: 32° 53N

Lon: 80° 41W

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	4/26	4/19	4/15	4/10	4/06	4/03	3/29	3/24	3/18
32	4/14	4/07	4/01	3/28	3/23	3/19	3/15	3/09	3/02
28	3/26	3/18	3/13	3/08	3/04	2/27	2/23	2/17	2/10
24	3/10	3/03	2/26	2/21	2/17	2/13	2/09	2/04	1/28
20	2/27	2/18	2/11	2/05	1/30	1/24	1/16	1/05	0/00
16	2/11	1/31	1/23	1/14	1/02	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	10/12	10/17	10/20	10/23	10/25	10/28	10/31	11/03	11/08
32	10/21	10/27	11/01	11/05	11/08	11/12	11/16	11/20	11/27
28	10/30	11/07	11/14	11/19	11/24	11/29	12/04	12/10	12/19
24	11/13	11/24	12/03	12/10	12/16	12/23	12/30	1/08	1/19
20	12/02	12/13	12/22	12/29	1/06	1/13	1/23	2/06	0/00
16	12/29	1/09	1/19	1/29	2/16	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	229	219	212	207	201	196	190	183	174
32	260	249	242	235	229	223	217	209	199
28	294	284	276	270	264	259	253	245	235
24	340	325	315	307	299	292	284	275	262
20	>365	>365	>365	347	331	323	315	308	298
16	>365	>365	>365	>365	>365	>365	>365	>365	341

* 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/normal/usnormals.html

Climatography
of the United States
No. 20
1971-2000

Station: WALTERBORO 1 SW, SC

COOP ID: 388922

Climate Division: SC 7 NWS Call Sign: Elevation: 56 Feet Lat: 32°53N Lon: 80°41W

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	598	443	293	106	15	0	0	0	1	102	298	515	2371
60	457	313	177	38	1	0	0	0	0	43	186	372	1587
57	379	241	123	16	0	0	0	0	0	22	133	292	1206
55	332	198	93	8	0	0	0	0	0	14	103	245	993
50	231	113	37	1	0	0	0	0	0	3	45	148	578
32	25	2	0	0	0	0	0	0	0	0	0	5	32

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	462	484	748	933	1211	1358	1518	1472	1280	1013	714	516	11709
55	55	36	128	252	498	668	805	759	590	314	127	43	4275
57	41	23	97	199	436	608	743	697	530	261	97	29	3761
60	26	12	58	131	344	518	650	604	440	189	60	15	3047
65	0	1	19	49	202	368	495	449	291	92	22	3	1991
70	0	0	4	11	93	226	340	294	151	32	6	0	1157

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	279	338	582	738	994	1143	1291	1255	1046	788	519	332	279	617	1199	1937	2931	4074	5365	6620	7666	8454	8973	9305
45	169	222	433	588	839	993	1136	1100	896	633	378	208	169	391	824	1412	2251	3244	4380	5480	6376	7009	7387	7595
50	90	126	293	438	684	843	981	945	746	478	253	115	90	216	509	947	1631	2474	3455	4400	5146	5624	5877	5992
55	38	62	173	299	529	693	826	790	596	329	149	59	38	100	273	572	1101	1794	2620	3410	4006	4335	4484	4543
60	13	21	86	172	375	543	671	635	446	199	72	25	13	34	120	292	667	1210	1881	2516	2962	3161	3233	3258
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	176	222	373	484	664	778	882	871	720	517	337	208	176	398	771	1255	1919	2697	3579	4450	5170	5687	6024	6232

(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.
Complete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normal/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 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.

- | | |
|---|---|
| <ol style="list-style-type: none">a. Temperature/ Precipitation Tables<ol style="list-style-type: none">1. 1971-2000 Monthly Normals2. Cooperative Summary of the Day3. National Weather Service station records4. 1971-2000 serially complete daily datab. Degree Day Table<ol style="list-style-type: none">1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data | <ol style="list-style-type: none">c. Snow Tables<ol style="list-style-type: none">1. Snow Climatology2. Cooperative Summary of the Dayd. Freeze Data Table
1971-2000 serially complete daily data |
|---|---|

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/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