

Climatology of the United States

No. 20

1971-2000

Station: SALUDA, SC

COOP ID: 387631

Climate Division: SC 5

NWS Call Sign:

Elevation: 480 Feet Lat: 34°00N Lon: 81°46W

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	53.4	30.7	42.1	83	1949	11	53.7	1974	-2+	1985	22	32.6	1977	712	0	.0	.0	19.7	.6	18.9	.1
Feb	58.6	32.7	45.7	83	1962	28	50.9	1990	7	1958	18	37.2	1978	542	0	.0	.0	21.2	.3	15.5	.0
Mar	66.7	40.3	53.5	87+	1995	24	60.0	1997	5	1980	3	47.2	1971	365	9	.0	.0	29.1	.1	8.1	.0
Apr	75.4	47.5	61.5	98	1953	29	66.2	1981	23	1983	20	56.0	1983	148	41	.0	.8	29.8	.0	2.1	.0
May	82.7	56.7	69.7	101	1981	31	74.0	2000	32+	1977	11	65.4	1997	33	179	@	5.4	30.9	.0	.1	.0
Jun	89.3	65.4	77.4	106+	1954	27	82.2	1981	43	1976	6	73.5	1972	1	371	1.0	15.2	30.0	.0	.0	.0
Jul	92.7	69.5	81.1	109	1980	14	85.4	1993	52	1983	9	77.7	1975	0	500	3.5	23.4	31.0	.0	.0	.0
Aug	90.7	68.2	79.5	107+	1983	22	83.7	1980	48	1976	5	76.3	1976	0	448	1.6	18.9	31.0	.0	.0	.0
Sep	85.1	61.8	73.5	104	1954	6	78.4	1980	35+	1983	24	69.8	1983	6	260	.1	8.8	30.0	.0	.0	.0
Oct	75.4	48.3	61.9	101+	1954	6	69.4	1984	21	1952	30	55.4	1987	162	65	.0	.4	31.0	.0	1.6	.0
Nov	65.7	39.6	52.7	92	1961	2	61.2	1985	12+	1950	26	45.8	1976	380	8	.0	.0	28.6	.0	9.6	.0
Dec	56.1	33.0	44.6	80+	1971	17	54.2	1971	1	1962	13	36.1	1989	633	0	.0	.0	22.2	.2	17.3	.0
Ann	74.3	49.5	61.9	109	Jul 1980	14	85.4	Jul 1993	-2+	Jan 1985	22	32.6	Jan 1977	2982	1881	6.2	72.9	334.5	1.2	73.2	.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/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

049-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: SALUDA, SC

COOP ID: 387631

Climate Division: SC 5

NWS Call Sign:

Elevation: 480 Feet Lat: 34°00N

Lon: 81°46W

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	5.02	5.10	3.00	1969	20	8.53	2000	.90	1981	11.0	7.8	3.5	1.3	2.06	2.52	3.17	3.70	4.20	4.71	5.26	5.89	6.69	7.92	9.03
Feb	4.09	4.43	3.10	1981	11	7.41	1979	1.23	1978	8.8	6.3	2.7	1.2	1.42	1.80	2.36	2.84	3.29	3.76	4.27	4.86	5.62	6.80	7.88
Mar	4.98	4.56	3.81	1964	15	11.41	1980	.84	1985	9.7	7.2	3.5	1.6	1.66	2.13	2.82	3.41	3.97	4.56	5.19	5.94	6.90	8.38	9.75
Apr	3.11	3.36	4.20	1956	6	7.22	1979	.54	1994	7.9	5.1	1.9	.9	.61	.89	1.35	1.77	2.19	2.65	3.16	3.78	4.60	5.92	7.17
May	3.51	3.05	3.06	1964	3	7.83	1984	.12	2000	8.1	5.9	2.3	1.0	.83	1.16	1.67	2.13	2.59	3.07	3.61	4.26	5.10	6.44	7.70
Jun	4.04	3.74	3.40	1968	19	9.13	1989	.57	1983	8.5	6.1	2.8	1.3	1.09	1.48	2.06	2.57	3.07	3.60	4.18	4.87	5.77	7.18	8.50
Jul	4.69	4.32	2.98	1997	31	11.27	1975	.44	1980	9.4	6.9	3.1	1.4	.97	1.39	2.08	2.71	3.34	4.02	4.78	5.70	6.91	8.86	10.69
Aug	4.55	4.37	6.05	1964	30	8.99	1986	1.43	1980	9.1	6.1	2.6	1.5	1.38	1.81	2.45	3.01	3.55	4.11	4.73	5.45	6.39	7.86	9.22
Sep	3.59	3.63	5.93	1998	4	8.21	2000	.18	1985	7.5	5.3	2.1	1.0	.56	.87	1.39	1.88	2.40	2.96	3.60	4.39	5.44	7.16	8.80
Oct	3.30	3.20	4.98	1955	2	10.45	1990	.02	2000	6.0	4.2	2.1	1.1	.21	.40	.81	1.26	1.77	2.36	3.08	4.00	5.28	7.45	9.60
Nov	3.25	2.85	2.40	1948	28	8.71	1992	.27	1973	7.7	5.4	2.5	.8	.75	1.05	1.53	1.95	2.38	2.83	3.34	3.94	4.73	5.99	7.18
Dec	3.66	3.44	2.97	1994	23	8.49	1981	.44	1988	9.8	6.8	2.4	1.0	1.02	1.36	1.89	2.35	2.80	3.27	3.80	4.41	5.21	6.47	7.64
Ann	47.79	46.72	6.05	Aug 1964	30	11.41	Mar 1980	.02	Oct 2000	103.5	73.1	31.5	14.1	38.43	40.33	42.72	44.50	46.06	47.55	49.07	50.73	52.73	55.58	58.00

+ 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: SALUDA, SC

COOP ID: 387631

Climate Division: SC 5

NWS Call Sign:

Elevation: 480 Feet

Lat: 34°00N

Lon: 81°46W

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	.7	.0	#	0	3.0	1973	8	3.0+	1982	3	1973	8	#+	1987	.3	.2	.1	.0	.0	.1	@	.0	.0
Feb	1.3	.0	#	0	6.0	1973	10	10.0	1973	10	1973	11	1	1973	.3	.3	.2	.1	.0	.1	.1	.1	@
Mar	.5	.0	#	0	3.2	1980	2	5.4	1980	5	1980	3	#+	1980	.2	.2	.1	.0	.0	.1	.1	@	.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	2.8	1993	23	2.8	1993	2	1971	4	#+	1989	.2	.1	.0	.0	.0	@	.0	.0	.0
Ann	2.8	.0	N/A	N/A	6.0	Feb 1973	10	10.0	Feb 1973	10	Feb 1973	11	1	Feb 1973	1.0	.8	.4	.1	.0	.3	.2	.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

Climatography of the United States

No. 20 1971-2000

Station: SALUDA, SC

COOP ID: 387631

Climate Division: SC 5

NWS Call Sign:

Elevation: 480 Feet

Lat: 34°00N

Lon: 81°46W

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	5/04	4/29	4/25	4/22	4/19	4/16	4/13	4/09	4/04
32	4/25	4/19	4/14	4/10	4/07	4/03	3/30	3/25	3/19
28	4/10	4/04	3/30	3/26	3/22	3/18	3/14	3/10	3/03
24	3/24	3/16	3/10	3/05	2/28	2/23	2/18	2/12	2/04
20	3/13	3/04	2/25	2/19	2/13	2/08	2/02	1/26	1/17
16	3/01	2/19	2/12	2/06	1/30	1/24	1/16	1/04	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	10/04	10/09	10/13	10/16	10/19	10/22	10/25	10/28	11/02
32	10/11	10/16	10/20	10/24	10/27	10/31	11/03	11/07	11/13
28	10/27	11/02	11/07	11/10	11/13	11/17	11/20	11/25	11/30
24	11/06	11/14	11/19	11/24	11/28	12/03	12/08	12/13	12/21
20	11/19	11/30	12/08	12/14	12/20	12/27	1/02	1/10	1/21
16	12/06	12/18	12/27	1/04	1/11	1/19	1/29	2/12	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	205	197	191	187	182	178	173	167	160
32	232	222	215	209	203	197	191	184	174
28	263	253	247	241	236	230	224	218	208
24	301	291	284	278	273	267	261	254	245
20	>365	329	316	308	301	294	287	279	269
16	>365	>365	>365	>365	339	327	318	309	299

* 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: SALUDA, SC

COOP ID: 387631

Climate Division: SC 5

NWS Call Sign:

Elevation: 480 Feet Lat: 34°00N Lon: 81°46W

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	712	542	365	148	33	1	0	0	6	162	380	633	2982
60	565	403	233	66	7	0	0	0	1	83	250	487	2095
57	478	325	168	34	2	0	0	0	0	50	185	401	1643
55	422	274	131	20	1	0	0	0	0	33	148	347	1376
50	295	164	60	4	0	0	0	0	0	10	73	228	834
32	35	4	0	0	0	0	0	0	0	0	0	17	56

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	346	386	667	884	1169	1360	1523	1471	1244	926	619	407	11002
55	21	13	85	214	457	670	810	758	554	246	76	24	3928
57	14	8	60	168	396	610	748	696	494	201	53	16	3464
60	8	1	32	109	309	520	655	603	405	140	29	9	2820
65	0	0	9	41	179	371	500	448	260	65	8	0	1881
70	0	0	1	10	84	227	345	293	134	22	1	0	1117

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	151	220	425	638	914	1116	1262	1207	991	669	383	199	151	371	796	1434	2348	3464	4726	5933	6924	7593	7976	8175
45	78	127	289	489	759	966	1107	1052	841	515	252	112	78	205	494	983	1742	2708	3815	4867	5708	6223	6475	6587
50	35	63	174	347	604	816	952	897	691	361	150	54	35	98	272	619	1223	2039	2991	3888	4579	4940	5090	5144
55	11	23	92	220	450	666	797	742	541	227	75	26	11	34	126	346	796	1462	2259	3001	3542	3769	3844	3870
60	0	7	36	118	303	516	642	587	394	121	33	5	0	7	43	161	464	980	1622	2209	2603	2724	2757	2762
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	107	159	286	421	604	745	842	819	660	440	259	135	107	266	552	973	1577	2322	3164	3983	4643	5083	5342	5477

(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