

Climatology of the United States

No. 20

1971-2000

Station: PAGELAND, SC

COOP ID: 386616

Climate Division: SC 4

NWS Call Sign:

Elevation: 620 Feet

Lat: 34°46N

Lon: 80°24W

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	54.1	33.6	43.9	79	1975	31	56.4	1974	3	1982	11	33.7	1977	658	0	.0	.0	20.7	.5	15.0	.0
Feb	59.1	36.3	47.7	82	1996	27	55.2	1976	5	1996	5	39.7	1978	485	0	.0	.0	21.8	.4	12.2	.0
Mar	66.9	42.7	54.8	87+	1974	8	60.4	1997	6	1980	3	49.9	1971	327	11	.0	.0	29.6	@	6.1	.0
Apr	75.3	50.0	62.7	92+	2001	11	67.3	1981	23	1982	7	57.7	1983	115	45	.0	.5	30.0	.0	.8	.0
May	81.9	58.5	70.2	98+	1996	20	73.5	2000	32	1989	8	66.2	1992	19	180	.0	2.6	31.0	.0	@	.0
Jun	88.0	66.0	77.0	101+	1996	24	81.1	1981	46	1988	5	73.2	1997	0	360	.2	12.1	30.0	.0	.0	.0
Jul	90.9	70.1	80.5	103+	1986	20	84.6	1993	54	1988	2	77.1	1975	0	479	1.1	19.0	31.0	.0	.0	.0
Aug	88.9	68.5	78.7	106	1983	21	82.5	1983	46	1976	31	75.1	1981	0	424	.6	14.0	31.0	.0	.0	.0
Sep	83.9	62.9	73.4	97+	1993	2	76.9	1980	40	1983	23	70.7	1994	4	256	.0	5.1	30.0	.0	.0	.0
Oct	75.0	50.9	63.0	93	1986	3	69.7	1984	24+	1976	29	56.6	1987	136	73	.0	.2	31.0	.0	.6	.0
Nov	65.5	42.8	54.2	86+	1974	3	62.3	1985	15+	1970	25	48.0	1976	336	9	.0	.0	28.8	.0	6.1	.0
Dec	56.8	36.0	46.4	79+	1984	18	55.3	1971	4	1983	25	38.2	2000	576	0	.0	.0	22.9	.3	12.9	.0
Ann	73.9	51.5	62.7	106	Aug 1983	21	84.6	Jul 1993	3	Jan 1982	11	33.7	Jan 1977	2656	1837	1.9	53.5	337.8	1.2	53.7	.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/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1968-2001

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

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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: PAGELAND, SC

COOP ID: 386616

Climate Division: SC 4

NWS Call Sign:

Elevation: 620 Feet Lat: 34°46N

Lon: 80°24W

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	4.70	4.43	3.70	2000	25	9.04	1998	.72	1981	10.8	7.6	3.5	1.4	1.61	2.05	2.70	3.25	3.78	4.32	4.91	5.60	6.48	7.85	9.11
Feb	3.88	3.58	3.00	1973	2	8.59	1979	1.13	1976	9.3	6.4	2.7	1.0	1.15	1.52	2.07	2.55	3.01	3.50	4.03	4.65	5.46	6.73	7.91
Mar	4.68	4.07	2.42	1977	13	10.62	1980	.85	1985	10.2	7.6	3.8	1.2	1.47	1.92	2.58	3.14	3.69	4.25	4.87	5.60	6.53	7.99	9.34
Apr	3.02	2.79	2.60+	1999	30	6.43	1991	.16	1976	7.6	5.3	2.1	.7	.48	.74	1.17	1.59	2.02	2.49	3.03	3.68	4.56	5.99	7.36
May	3.21	3.11	2.69	1979	10	6.53	1971	.80	1999	9.7	6.5	2.0	.8	.83	1.14	1.60	2.01	2.42	2.84	3.31	3.87	4.61	5.76	6.84
Jun	4.18	3.79	3.50	1995	6	8.49	1994	.28	1990	9.1	6.5	2.7	1.2	1.07	1.47	2.07	2.61	3.14	3.69	4.31	5.04	6.00	7.51	8.92
Jul	5.73	5.25	6.00	1975	14	12.56	1975	.31	1992	10.4	7.8	3.8	1.9	1.15	1.67	2.51	3.28	4.06	4.89	5.83	6.97	8.47	10.88	13.17
Aug	4.42	4.28	4.50	1993	8	9.58	1971	.82	1982	10.0	6.8	3.1	1.7	1.12	1.54	2.18	2.75	3.31	3.90	4.56	5.35	6.37	7.99	9.51
Sep	4.01	3.74	4.30	1998	4	8.45	1979	.31	1985	8.3	5.8	2.7	1.3	.82	1.18	1.77	2.31	2.85	3.43	4.09	4.88	5.92	7.59	9.17
Oct	3.72	3.30	11.00	1990	10	18.63	1990	.00	2000	6.5	4.6	2.0	.9	.15	.45	.99	1.53	2.12	2.79	3.58	4.57	5.94	8.21	10.45
Nov	3.53	3.11	3.50	1979	2	8.53	1992	.65	1973	8.0	5.3	2.4	.9	1.02	1.36	1.86	2.30	2.73	3.17	3.67	4.24	5.00	6.17	7.26
Dec	3.56	3.13	2.28	1970	16	7.62	1981	.51	1988	10.4	6.6	2.3	.8	.91	1.25	1.76	2.22	2.67	3.15	3.67	4.30	5.12	6.41	7.62
Ann	48.64	48.55	11.00	Oct 1990	10	18.63	Oct 1990	.00	Oct 2000	110.3	76.8	33.1	13.8	35.99	38.47	41.64	44.03	46.14	48.17	50.27	52.57	55.36	59.38	62.84

+ 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: 1968-2001

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

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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No. 20 1971-2000

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Station: PAGELAND, SC

COOP ID: 386616

Climate Division: SC 4

NWS Call Sign:

Elevation: 620 Feet

Lat: 34°46N

Lon: 80°24W

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	.6	.0	#	0	12.0	2000	25	12.0	2000	4	1982	14	#+	1982	.1	.1	.1	.1	.1	@	.0	.0	.0
Feb	#	.0	#	0	#	1984	6	#+	1984	3	1982	26	1	1982	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.8	.0	0	0	6.0	1980	2	6.5	1980	0	0	0	0	0	.2	.2	.1	.1	.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	#	1976	14	#	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.5	.0	#	0	8.0	1971	3	8.0	1971	#	1989	9	#	1989	.2	.2	.1	.1	.0	.0	.0	.0	.0
Ann	1.9	.0	N/A	N/A	12.0	Jan 2000	25	12.0	Jan 2000	4	Jan 1982	14	1	Feb 1982	.5	.5	.3	.3	.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:

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Station: PAGELAND, SC

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Climate Division: SC 4

NWS Call Sign:

Elevation: 620 Feet

Lat: 34° 46N

Lon: 80° 24W

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	5/01	4/25	4/21	4/17	4/14	4/10	4/06	4/02	3/27
32	4/20	4/13	4/09	4/04	4/01	3/28	3/24	3/19	3/13
28	4/06	3/30	3/26	3/22	3/18	3/14	3/10	3/06	2/27
24	3/20	3/13	3/07	3/03	2/26	2/22	2/18	2/12	2/05
20	3/08	2/28	2/22	2/17	2/13	2/08	2/03	1/28	1/20
16	3/02	2/21	2/14	2/08	2/02	1/27	1/19	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	10/11	10/15	10/19	10/22	10/24	10/27	10/30	11/02	11/07
32	10/18	10/25	10/30	11/03	11/06	11/10	11/14	11/19	11/25
28	10/29	11/04	11/08	11/11	11/14	11/17	11/21	11/25	11/30
24	11/07	11/15	11/21	11/26	12/01	12/05	12/10	12/16	12/24
20	11/27	12/05	12/11	12/16	12/21	12/26	12/31	1/06	1/14
16	12/12	12/25	1/04	1/13	1/22	1/31	2/13	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	216	208	202	198	193	188	183	178	170
32	245	236	230	224	219	214	208	202	193
28	267	258	251	246	240	235	230	223	214
24	303	294	287	282	277	271	266	259	250
20	348	331	322	315	308	302	296	288	278
16	>365	>365	>365	>365	>365	341	326	315	302

* 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:
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Station: PAGELAND, SC

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Climate Division: SC 4 NWS Call Sign: Elevation: 620 Feet Lat: 34°46N Lon: 80°24W

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	658	485	327	115	19	0	0	0	4	136	336	576	2656
60	515	352	199	43	2	0	0	0	0	64	209	433	1817
57	431	276	139	19	0	0	0	0	0	36	148	351	1400
55	378	229	106	10	0	0	0	0	0	22	114	299	1158
50	262	133	44	1	0	0	0	0	0	6	49	192	687
32	29	3	0	0	0	0	0	0	0	0	0	11	43

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	397	442	707	919	1185	1350	1502	1447	1243	960	664	459	11275
55	33	24	99	239	472	660	789	734	553	269	88	34	3994
57	23	15	71	188	410	600	727	672	493	220	62	23	3504
60	14	7	38	122	319	510	634	579	403	156	33	12	2827
65	0	0	11	45	180	360	479	424	256	73	9	0	1837
70	0	0	1	9	78	216	324	269	126	24	1	0	1048

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	184	260	462	672	928	1107	1250	1197	1001	714	431	239	184	444	906	1578	2506	3613	4863	6060	7061	7775	8206	8445
45	103	157	321	522	773	957	1095	1042	851	559	295	138	103	260	581	1103	1876	2833	3928	4970	5821	6380	6675	6813
50	47	84	201	380	618	807	940	887	701	406	179	73	47	131	332	712	1330	2137	3077	3964	4665	5071	5250	5323
55	23	40	107	244	465	657	785	732	551	263	95	33	23	63	170	414	879	1536	2321	3053	3604	3867	3962	3995
60	1	14	46	140	313	507	630	577	402	150	41	6	1	15	61	201	514	1021	1651	2228	2630	2780	2821	2827
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	112	166	292	433	617	757	856	830	683	459	264	141	112	278	570	1003	1620	2377	3233	4063	4746	5205	5469	5610

(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