

Climatology of the United States

No. 20

1971-2000

Station: PARR, SC

COOP ID: 386688

Climate Division: SC 3

NWS Call Sign:

Elevation: 258 Feet Lat: 34° 18N Lon: 81° 19W

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	54.3	30.7	42.5	81	1949	11	55.2	1974	0	1985	21	31.9	1977	697	0	.0	.0	21.6	.3	18.7	@
Feb	59.0	32.1	45.6	82+	1997	28	52.4	1990	4	1967	26	36.8	1978	545	0	.0	.0	22.7	.3	15.8	.0
Mar	66.7	39.0	52.9	88	1974	10	59.1	1997	2	1980	3	47.7	1971	385	8	.0	.0	29.7	@	8.6	.0
Apr	75.4	46.3	60.9	94+	1986	28	64.9	1999	22	1983	20	56.1	1983	156	31	.0	.6	30.0	.0	2.1	.0
May	82.9	55.9	69.4	99+	1996	19	73.0	1991	30	1971	4	65.7	1973	30	166	.0	4.6	31.0	.0	@	.0
Jun	89.3	64.1	76.7	105	1954	27	80.8	1998	42	1966	2	72.0	1972	1	352	.7	15.6	30.0	.0	.0	.0
Jul	92.5	68.6	80.6	107	1986	20	85.0	1993	52	1951	7	76.7	1972	0	483	2.9	23.9	31.0	.0	.0	.0
Aug	90.5	67.2	78.9	107	1983	22	82.6	1987	50	1952	26	76.5+	1981	0	429	1.2	19.3	31.0	.0	.0	.0
Sep	84.9	61.1	73.0	103	1954	6	76.4	1993	34	1967	30	69.9	1976	5	245	.0	8.4	30.0	.0	.0	.0
Oct	75.7	47.8	61.8	101+	1954	6	68.2	1984	21+	1962	27	55.2	1987	162	61	.0	.4	31.0	.0	1.1	.0
Nov	66.5	38.8	52.7	90	1961	2	62.7	1985	8	1970	25	45.5	1976	379	9	.0	.0	29.1	.0	9.3	.0
Dec	57.2	32.2	44.7	81+	1998	9	52.2	1971	-1	1962	12	36.0	2000	630	0	.0	.0	23.9	.2	16.8	.0
Ann	74.6	48.7	61.6	107+	Jul 1986	20	85.0	Jul 1993	-1	Dec 1962	12	31.9	Jan 1977	2990	1784	4.8	72.8	341.0	.8	72.4	@

+ 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

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

046-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: PARR, SC

COOP ID: 386688

Climate Division: SC 3

NWS Call Sign:

Elevation: 258 Feet Lat: 34°18N

Lon: 81°19W

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	4.68	4.67	2.50+	1987	19	8.33	1998	.80	1981	10.2	7.7	3.8	1.5	1.88	2.31	2.92	3.42	3.90	4.38	4.90	5.51	6.27	7.44	8.51
Feb	3.93	3.98	4.42	1998	4	7.77	1998	.88	1977	7.6	5.9	2.6	1.2	1.22	1.59	2.15	2.63	3.09	3.57	4.09	4.71	5.51	6.75	7.90
Mar	4.66	4.54	3.81	1964	26	10.61	1980	.65	1985	8.8	7.1	3.5	1.3	1.30	1.75	2.42	3.00	3.57	4.17	4.83	5.61	6.63	8.22	9.70
Apr	2.86	2.55	3.85	1969	16	7.36	1979	.40	1986	6.8	5.0	2.0	.8	.55	.81	1.23	1.62	2.01	2.43	2.91	3.49	4.25	5.48	6.65
May	3.39	3.04	2.65	1966	26	7.13	1972	1.19	1980	7.5	5.6	2.7	.9	1.14	1.46	1.93	2.33	2.71	3.10	3.53	4.03	4.68	5.67	6.59
Jun	4.12	3.58	4.30	1989	22	12.20	1989	1.39	1990	8.1	6.5	3.1	1.2	1.32	1.71	2.29	2.78	3.26	3.75	4.29	4.92	5.74	7.01	8.19
Jul	4.33	3.91	4.44	1959	10	11.47	1975	1.17	1980	8.8	6.5	2.8	1.4	1.02	1.43	2.06	2.63	3.19	3.79	4.45	5.25	6.29	7.95	9.50
Aug	4.24	4.33	3.89	1964	30	9.05	1986	.41	1979	7.9	6.4	2.8	1.5	.98	1.38	2.00	2.56	3.11	3.70	4.36	5.14	6.18	7.82	9.36
Sep	4.01	4.02	7.08	1998	4	8.49	1998	.41	1984	6.7	4.8	2.6	1.3	.79	1.15	1.74	2.28	2.83	3.41	4.08	4.88	5.94	7.65	9.27
Oct	3.20	3.07	5.50	1977	26	10.01	1990	.00+	2000	5.3	3.7	1.7	.9	.00	.55	1.19	1.70	2.20	2.72	3.32	4.00	4.93	6.41	7.82
Nov	2.99	3.08	2.59	1997	14	7.75	1992	.46	1991	7.3	5.4	2.4	.7	.77	1.05	1.49	1.87	2.25	2.65	3.09	3.61	4.30	5.38	6.39
Dec	3.34	2.80	3.45	1964	26	7.78	1981	.30	1988	8.8	6.4	2.3	.9	.72	1.02	1.51	1.96	2.40	2.88	3.42	4.06	4.91	6.26	7.54
Ann	45.75	45.94	7.08	Sep 1998	4	12.20	Jun 1989	.00+	Oct 2000	93.8	71.0	32.3	13.6	35.62	37.66	40.22	42.14	43.83	45.45	47.11	48.93	51.12	54.26	56.95

+ 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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Station: PARR, SC

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Climate Division: SC 3

NWS Call Sign:

Elevation: 258 Feet

Lat: 34° 18N

Lon: 81° 19W

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	.4	.0	#	0	2.0	1973	8	2.0	1973	2	1987	22	#+	1987	.2	.2	.0	.0	.0	@	.0	.0	.0
Feb	.8	.0	0	0	7.5	1973	10	7.5	1973	0	0	0	0	0	.1	.1	.1	.1	.0	.0	.0	.0	.0
Mar	.6	.0	#	0	6.5	1971	26	6.5	1971	4	1971	26	#	1971	.1	.1	.1	.1	.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	.2	.0	0	0	2.0	1971	3	2.0	1971	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Ann	2.0	.0	N/A	N/A	7.5	Feb 1973	10	7.5	Feb 1973	4	Mar 1971	26	#+	Jan 1987	.5	.5	.2	.2	.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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NWS Call Sign:

Elevation: 258 Feet

Lat: 34° 18N

Lon: 81° 19W

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	5/09	5/03	4/28	4/25	4/21	4/18	4/14	4/10	4/04
32	4/26	4/19	4/14	4/10	4/06	4/02	3/29	3/24	3/18
28	4/16	4/08	4/02	3/28	3/23	3/18	3/13	3/07	2/27
24	3/26	3/18	3/13	3/08	3/04	2/27	2/22	2/17	2/09
20	3/18	3/08	2/28	2/22	2/16	2/10	2/04	1/27	1/17
16	2/27	2/19	2/13	2/07	2/02	1/27	1/21	1/13	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	10/03	10/09	10/12	10/16	10/19	10/22	10/25	10/29	11/03
32	10/14	10/20	10/25	10/29	11/01	11/05	11/08	11/13	11/19
28	10/29	11/04	11/09	11/13	11/17	11/20	11/24	11/29	12/05
24	11/05	11/13	11/19	11/24	11/29	12/03	12/08	12/14	12/22
20	11/15	11/27	12/05	12/13	12/20	12/27	1/03	1/12	1/24
16	12/04	12/13	12/21	12/27	1/02	1/08	1/15	1/25	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	196	190	185	180	175	169	163	155
32	238	228	220	214	208	202	196	188	178
28	273	261	252	245	238	231	223	215	203
24	302	291	283	276	270	263	256	248	237
20	>365	324	313	305	298	291	284	276	265
16	>365	>365	>365	335	325	317	310	302	292

* 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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NWS Call Sign:

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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	697	545	385	156	30	1	0	0	5	162	379	630	2990
60	553	410	250	69	5	0	0	0	1	82	250	481	2101
57	467	331	183	36	1	0	0	0	0	49	185	395	1647
55	412	281	145	22	0	0	0	0	0	33	148	339	1380
50	288	174	70	4	0	0	0	0	0	10	74	219	839
32	35	6	0	0	0	0	0	0	0	0	0	13	54

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	360	386	646	865	1159	1341	1506	1452	1230	922	620	406	10893
55	25	17	78	196	446	651	793	739	540	242	78	20	3825
57	18	10	54	151	385	591	731	677	480	197	55	13	3362
60	10	5	28	94	296	501	638	584	391	136	30	7	2720
65	0	0	8	31	166	352	483	429	245	61	9	0	1784
70	0	0	0	6	72	212	328	274	118	19	1	0	1030

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	164	229	436	638	916	1111	1271	1220	1009	698	405	212	164	393	829	1467	2383	3494	4765	5985	6994	7692	8097	8309
45	87	134	297	490	761	961	1116	1065	859	544	270	119	87	221	518	1008	1769	2730	3846	4911	5770	6314	6584	6703
50	42	63	180	348	606	811	961	910	709	390	161	60	42	105	285	633	1239	2050	3011	3921	4630	5020	5181	5241
55	16	24	88	221	453	661	806	755	559	247	83	28	16	40	128	349	802	1463	2269	3024	3583	3830	3913	3941
60	2	7	37	118	304	511	651	600	410	139	37	4	2	9	46	164	468	979	1630	2230	2640	2779	2816	2820
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	117	172	297	429	606	744	848	829	682	462	277	150	117	289	586	1015	1621	2365	3213	4042	4724	5186	5463	5613

(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 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.

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| <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 |
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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