

# Climatology of the United States

No. 20

1971-2000

Station: PICKENS, MS

COOP ID: 226926

Climate Division: MS 5

NWS Call Sign:

Elevation: 238 Feet

Lat: 32° 53N

Lon: 89° 58W

## 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	54.6	33.2	43.9	82+	1952	1	53.3	1974	-2	1962	12	32.8	1984	669	0	.0	.0	19.7	1.3	17.3	@
Feb	60.2	36.5	48.4	84	1977	25	55.9	1990	-4	1951	2	37.9	1978	473	6	.0	.0	21.5	.8	12.1	.0
Mar	68.1	43.6	55.9	89	1974	31	63.6	1974	13	1980	3	49.1	1981	314	31	.0	.0	29.1	.1	5.6	.0
Apr	75.2	49.6	62.4	91+	1965	24	68.2	1999	26	1987	4	55.9	1983	129	51	.0	.1	29.9	.0	.9	.0
May	82.0	58.2	70.1	97	1951	31	75.0	1996	34	1976	4	64.0	1976	37	194	.0	1.5	31.0	.0	.0	.0
Jun	88.2	65.4	76.8	105	1969	30	80.2	1998	39	1984	1	72.4+	1983	1	354	.0	12.2	30.0	.0	.0	.0
Jul	90.4	68.6	79.5	105	1954	16	82.7	1980	50	1967	15	74.7	1984	0	449	.3	18.7	31.0	.0	.0	.0
Aug	90.6	67.0	78.8	105	1954	15	83.1	2000	52+	1956	23	75.0	1984	0	429	.5	18.6	31.0	.0	.0	.0
Sep	85.6	61.7	73.7	103+	1951	3	78.7	1998	34	1967	29	68.6	1983	17	277	.1	8.2	30.0	.0	.0	.0
Oct	76.7	49.5	63.1	98	1954	5	68.4	1973	21	1952	30	56.7	1980	136	77	.0	.5	30.8	.0	1.4	.0
Nov	65.9	41.4	53.7	88	1955	13	60.6	1973	13+	1950	25	45.9	1976	353	12	.0	.0	27.8	@	8.3	.0
Dec	57.0	35.1	46.1	84+	1951	6	55.1	1971	0	1983	25	34.4	1983	598	11	.0	.0	22.6	.7	14.1	@
Ann	74.5	50.8	62.7	105+	Jun 1969	30	83.1	Aug 2000	-4	Feb 1951	2	32.8	Jan 1984	2727	1891	.9	59.8	334.4	2.9	59.7	.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](http://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

050-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

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**Climate Division: MS 5**

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**Elevation: 238 Feet**

**Lat: 32°53N**

**Lon: 89°58W**

**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	6.37	6.01	4.63	1972	10	16.55	1974	.62	1986	9.9	7.9	4.0	1.8	1.48	2.07	3.00	3.84	4.67	5.55	6.54	7.72	9.27	11.74	14.06	
Feb	4.77	4.80	3.69	1966	10	10.60	1983	.00	1996	8.0	6.3	3.5	1.7	.98	1.65	2.45	3.09	3.71	4.34	5.03	5.83	6.88	8.50	10.01	
Mar	6.31	6.00	8.23	1951	28	16.55	1980	2.99	1985	9.5	7.5	4.2	2.2	2.79	3.36	4.14	4.78	5.38	5.98	6.62	7.36	8.29	9.70	10.98	
Apr	5.86	4.79	6.58	1979	12	17.22	1983	1.48	1986	7.4	5.7	3.7	2.0	1.22	1.75	2.61	3.40	4.19	5.03	5.98	7.13	8.63	11.05	13.33	
May	5.80	5.25	5.68	1975	16	14.13	1975	1.01	1977	8.9	7.1	3.9	1.8	1.20	1.73	2.58	3.35	4.13	4.97	5.91	7.05	8.54	10.94	13.21	
Jun	3.81	3.54	6.29	1980	24	11.03	1989	.30	1988	7.7	5.9	2.4	1.0	.97	1.33	1.88	2.37	2.86	3.37	3.93	4.61	5.49	6.89	8.19	
Jul	4.22	3.80	3.30	1971	25	13.29	1971	.66	2000	8.9	6.6	2.8	1.1	1.08	1.48	2.09	2.63	3.17	3.73	4.36	5.10	6.07	7.61	9.05	
Aug	3.13	3.22	3.43	1967	25	7.02	1982	.63	1981	7.0	5.2	2.0	.8	.73	1.03	1.48	1.89	2.30	2.73	3.22	3.80	4.56	5.76	6.89	
Sep	2.94	2.74	3.94	1958	21	6.21	1989	.00	1993	6.5	4.7	2.0	.7	.67	1.09	1.58	1.97	2.33	2.71	3.11	3.59	4.19	5.14	6.01	
Oct	3.67	2.19	7.00	1975	16	9.47	1985	.23	1989	5.5	4.5	2.2	1.2	.43	.72	1.24	1.75	2.29	2.90	3.61	4.48	5.68	7.64	9.54	
Nov	5.23	4.64	4.35	1987	17	11.58	1977	1.46	1971	7.7	6.4	3.4	1.5	1.81	2.31	3.03	3.63	4.21	4.81	5.46	6.22	7.19	8.69	10.07	
Dec	5.30	4.75	4.50	1967	18	16.56	1982	.86	1993	9.4	7.3	3.8	1.8	1.38	1.88	2.65	3.33	3.99	4.69	5.47	6.39	7.60	9.50	11.27	
Ann	57.41	54.36	8.23	Mar 1951	28	17.22	Apr 1983	.00+	Feb 1996	96.4	75.1	37.9	17.6	37.87	41.54	46.31	49.97	53.25	56.44	59.76	63.45	67.95	74.54	80.29	

+ 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															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	3.6	1982	13	4.5	1977	#	1996	31	#	1996	.4	.3	.1	.0	.0	.0	.0	.0	.0
Feb	#	.0	#	0	#	1989	7	#+	1989	#	1989	8	#	1989	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.0	.0	0	0	.0	0	0	.0	0	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	.3	1976	28	.3	1976	0	0	0	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Dec	#	.0	0	0	#	1989	18	#+	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.4	.0	N/A	N/A	3.6	Jan 1982	13	4.5	Jan 1977	#+	Jan 1996	31	#+	Jan 1996	.5	.3	.1	.0	.0	.0	.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

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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	4/24	4/20	4/17	4/14	4/11	4/09	4/06	4/03	3/30
32	4/15	4/08	4/03	3/30	3/27	3/23	3/19	3/14	3/07
28	4/03	3/27	3/21	3/17	3/12	3/08	3/03	2/26	2/19
24	3/17	3/09	3/04	2/27	2/23	2/18	2/14	2/08	2/01
20	3/10	3/01	2/22	2/16	2/11	2/05	1/30	1/23	1/12
16	3/02	2/20	2/12	2/04	1/27	1/18	1/01	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	10/04	10/09	10/12	10/14	10/17	10/19	10/22	10/25	10/30
32	10/15	10/21	10/25	10/28	10/31	11/04	11/07	11/11	11/17
28	10/25	11/01	11/06	11/10	11/14	11/18	11/22	11/27	12/03
24	10/30	11/09	11/16	11/22	11/28	12/04	12/10	12/18	12/28
20	11/17	11/28	12/06	12/13	12/19	12/26	1/02	1/10	1/23
16	12/01	12/13	12/23	12/31	1/09	1/20	2/09	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	205	199	195	191	188	184	181	176	170
32	244	235	229	223	218	213	207	201	192
28	274	264	257	251	246	240	234	227	218
24	309	297	288	282	275	269	263	255	245
20	>365	337	322	313	305	298	290	281	270
16	>365	>365	>365	>365	>365	338	322	309	295

\* 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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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	669	473	314	129	37	1	0	0	17	136	353	598	2727
60	531	343	204	54	10	0	0	0	4	63	229	457	1895
57	454	273	151	27	4	0	0	0	1	35	169	379	1493
55	405	231	120	16	1	0	0	0	0	22	134	330	1259
50	299	144	58	3	0	0	0	0	0	5	67	229	805
32	56	6	0	0	0	0	0	0	0	0	0	26	88

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	424	464	740	912	1180	1343	1472	1452	1249	964	650	462	11312
55	61	44	146	238	469	653	759	739	559	272	94	53	4087
57	47	31	115	189	409	593	697	677	500	223	68	39	3588
60	32	17	75	127	322	503	604	584	414	159	38	24	2899
65	0	6	31	51	194	354	449	429	277	77	12	11	1891
70	0	0	11	14	99	212	294	277	163	29	1	0	1100

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	193	267	479	658	925	1105	1222	1203	1006	707	400	239	193	460	939	1597	2522	3627	4849	6052	7058	7765	8165	8404
45	114	168	341	508	770	955	1067	1048	856	552	273	141	114	282	623	1131	1901	2856	3923	4971	5827	6379	6652	6793
50	64	95	217	363	615	805	912	893	706	400	169	82	64	159	376	739	1354	2159	3071	3964	4670	5070	5239	5321
55	37	46	121	236	460	655	757	738	557	261	90	39	37	83	204	440	900	1555	2312	3050	3607	3868	3958	3997
60	12	19	55	130	313	505	602	583	410	148	38	14	12	31	86	216	529	1034	1636	2219	2629	2777	2815	2829
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	128	177	307	423	620	758	843	819	678	464	263	157	128	305	612	1035	1655	2413	3256	4075	4753	5217	5480	5637

(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:  
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## 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](http://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.

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| <ol style="list-style-type: none"><li>a. Temperature/ Precipitation Tables<ol style="list-style-type: none"><li>1. 1971-2000 Monthly Normals</li><li>2. Cooperative Summary of the Day</li><li>3. National Weather Service station records</li><li>4. 1971-2000 serially complete daily data</li></ol></li><li>b. Degree Day Table<ol style="list-style-type: none"><li>1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals</li><li>2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data</li></ol></li></ol> | <ol style="list-style-type: none"><li>c. Snow Tables<ol style="list-style-type: none"><li>1. Snow Climatology</li><li>2. Cooperative Summary of the Day</li></ol></li><li>d. Freeze Data Table<br/>1971-2000 serially complete daily data</li></ol> |
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## References

U.S. Climate Normals 1971-2000, [www.ncdc.noaa.gov/normal.html](http://www.ncdc.noaa.gov/normal.html)  
U.S. Climate Normals 1971-2000-Products Clim20, [www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html)  
Snow Climatology Project Description, [www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html](http://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](http://www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf)