

Climatology of the United States

No. 20

1971-2000

Station: AMERICUS 3 SW, GA

COOP ID: 090253

Climate Division: GA 7

NWS Call Sign:

Elevation: 490 Feet

Lat: 32°03N

Lon: 84°17W

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	56.8	34.2	45.5	85	1949	12	57.6	1974	3+	1966	31	34.4	1977	616	0	.0	.0	23.8	.4	14.2	@
Feb	61.7	36.3	49.0	84	1989	17	56.4	1990	8	1996	6	39.9	1978	449	0	.0	.0	24.5	.2	10.1	.0
Mar	69.3	42.8	56.1	93	1961	6	62.7	1997	14	1980	3	48.6	1971	294	17	.0	@	29.9	@	3.5	.0
Apr	76.6	48.8	62.7	94	1978	9	67.6	1981	28+	1987	2	58.6	1983	117	48	.0	.5	29.9	.0	.4	.0
May	83.1	57.8	70.5	100+	1962	28	74.5	1998	40+	1994	6	66.1	1976	24	193	.0	3.9	31.0	.0	.0	.0
Jun	88.8	65.2	77.0	108	1931	30	81.4	1998	45	1984	1	73.3	1974	1	361	.3	14.7	30.0	.0	.0	.0
Jul	91.1	68.8	80.0	108	1930	12	84.2	1986	55	1967	15	76.3	1971	0	463	1.1	20.8	31.0	.0	.0	.0
Aug	90.4	68.2	79.3	104+	2000	19	82.9	1999	57+	1986	31	76.9	1974	0	444	.8	19.6	31.0	.0	.0	.0
Sep	86.3	63.4	74.9	105	1931	20	79.8	1980	39	1967	30	71.3	1983	3	299	@	10.0	30.0	.0	.0	.0
Oct	77.8	51.7	64.8	98	1954	5	71.2	1984	29+	2001	28	59.0	1987	101	91	.0	1.0	30.9	.0	.2	.0
Nov	68.6	43.3	56.0	90+	1961	1	64.2	1985	12	1950	25	48.6	1976	292	21	.0	.0	29.4	.0	4.7	.0
Dec	59.8	36.7	48.3	83	1931	1	56.8	1984	2	1962	13	41.1	1989	524	5	.0	.0	26.2	.1	11.0	.0
Ann	75.9	51.4	63.7	108+	Jun 1931	30	84.2	Jul 1986	2	Dec 1962	13	34.4	Jan 1977	2421	1942	2.2	70.5	347.6	.7	44.1	@

+ 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: 1930-2001

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

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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: AMERICUS 3 SW, GA

COOP ID: 090253

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NWS Call Sign:

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Lon: 84°17W

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	5.53	5.48	6.70	1943	19	9.89	1978	1.00	1981	10.4	7.8	3.8	1.7	2.01	2.52	3.27	3.90	4.50	5.11	5.78	6.55	7.54	9.07	10.46	
Feb	4.91	4.70	5.13	1981	11	8.96	1985	1.33	1991	7.8	6.2	3.2	1.6	1.59	2.06	2.74	3.33	3.90	4.48	5.12	5.87	6.83	8.33	9.71	
Mar	5.15	4.47	4.26	1944	23	10.71	1980	1.12	1997	8.8	7.2	3.5	1.7	1.73	2.22	2.93	3.54	4.12	4.72	5.37	6.14	7.12	8.64	10.04	
Apr	3.69	3.23	5.16	1944	15	11.54	1998	.34	1987	6.6	5.2	2.5	1.3	.55	.86	1.39	1.90	2.44	3.02	3.69	4.51	5.61	7.41	9.13	
May	3.50	3.19	3.07	1978	10	8.68	1991	.07	2000	7.8	5.5	2.2	.9	.51	.81	1.31	1.79	2.30	2.85	3.49	4.27	5.32	7.04	8.68	
Jun	3.93	3.79	4.63	1941	16	9.72	1989	.84	1979	8.8	6.5	2.5	1.1	1.25	1.62	2.17	2.65	3.10	3.57	4.09	4.70	5.48	6.70	7.82	
Jul	5.35	3.96	21.10	1994	6	31.61	1994	1.43	1976	11.7	8.3	2.6	1.1	.93	1.39	2.18	2.91	3.66	4.47	5.40	6.53	8.03	10.45	12.77	
Aug	3.54	3.03	4.45	1936	1	9.87	1976	.92	1979	9.5	6.9	2.1	.9	.91	1.25	1.76	2.21	2.66	3.13	3.65	4.27	5.08	6.36	7.55	
Sep	3.35	3.05	5.23	1956	25	14.12	1998	.03	1984	7.7	5.9	1.8	.8	.34	.58	1.04	1.51	2.01	2.58	3.25	4.09	5.24	7.14	9.01	
Oct	2.27	2.13	4.40	1993	30	7.28	1994	.01	1978	4.7	3.6	1.5	.8	.10	.22	.48	.78	1.13	1.54	2.06	2.72	3.66	5.27	6.88	
Nov	3.71	3.28	3.57	1997	30	10.41	1992	.78	1991	6.9	5.1	2.3	.9	.85	1.19	1.73	2.22	2.71	3.23	3.81	4.50	5.41	6.86	8.22	
Dec	4.15	3.80	4.70	1972	6	10.04	1972	.70	1980	8.6	6.1	2.8	1.3	1.19	1.58	2.18	2.70	3.20	3.73	4.31	4.99	5.88	7.28	8.57	
Ann	49.08	49.31	21.10	Jul 1994	6	31.61	Jul 1994	.01	Oct 1978	99.3	74.3	30.8	14.1	34.54	37.34	40.94	43.67	46.11	48.46	50.89	53.58	56.85	61.59	65.70	

+ 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: 1930-2001

(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	#	.0	0	0	#	1986	27	#	1986	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.4	.0	#	0	8.0	1973	10	8.0	1973	#	1978	9	#	1978	@	@	@	@	.0	.0	.0	.0	.0
Mar	.1	.0	0	0	2.0	1993	14	2.0	1993	0	0	0	0	0	.1	@	.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	.2	.0	0	0	2.9	1993	23	2.9	1993	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Ann	.7	.0	N/A	N/A	8.0	Feb 1973	10	8.0	Feb 1973	#	Feb 1978	9	#	Feb 1978	.2	.1	@	@	.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	4/19	4/14	4/10	4/07	4/04	4/01	3/29	3/25	3/20
32	4/09	4/03	3/29	3/25	3/22	3/18	3/14	3/10	3/04
28	3/22	3/14	3/09	3/04	2/28	2/24	2/19	2/14	2/06
24	3/08	2/28	2/22	2/17	2/13	2/08	2/03	1/28	1/20
20	3/03	2/22	2/15	2/09	2/04	1/29	1/22	1/13	0/00
16	2/13	2/04	1/28	1/21	1/13	12/30	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	10/14	10/19	10/23	10/26	10/29	11/02	11/05	11/09	11/14
32	10/28	11/03	11/07	11/11	11/14	11/18	11/22	11/26	12/02
28	11/05	11/14	11/20	11/25	11/30	12/05	12/11	12/17	12/26
24	11/23	12/02	12/09	12/15	12/20	12/26	12/31	1/07	1/17
20	12/15	12/25	1/02	1/09	1/15	1/22	1/30	2/09	0/00
16	12/19	12/31	1/09	1/18	1/28	2/16	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	227	220	216	212	208	204	200	196	189
32	265	256	248	242	237	231	225	218	208
28	307	296	288	281	275	268	262	254	243
24	344	330	322	315	308	302	295	287	276
20	>365	>365	>365	>365	345	333	323	312	300
16	>365	>365	>365	>365	>365	>365	358	340	327

* 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

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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	616	449	294	117	24	1	0	0	3	101	292	524	2421
60	474	319	176	45	4	0	0	0	0	41	181	381	1621
57	394	246	121	20	1	0	0	0	0	20	128	302	1232
55	346	202	91	11	0	0	0	0	0	12	98	255	1015
50	241	116	35	1	0	0	0	0	0	3	42	158	596
32	28	2	0	0	0	0	0	0	0	0	0	7	37

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	446	478	746	921	1192	1350	1486	1467	1286	1014	719	511	11616
55	51	34	123	242	479	660	773	754	596	313	127	46	4198
57	38	22	92	191	418	600	711	692	536	259	97	31	3687
60	24	11	54	126	328	510	618	599	446	187	59	17	2979
65	0	0	17	48	193	361	463	444	299	91	21	5	1942
70	0	0	4	11	92	219	308	289	165	33	6	0	1127

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	257	321	541	714	976	1132	1260	1236	1064	780	505	318	257	578	1119	1833	2809	3941	5201	6437	7501	8281	8786	9104
45	152	209	394	564	821	982	1105	1081	914	625	363	199	152	361	755	1319	2140	3122	4227	5308	6222	6847	7210	7409
50	78	123	263	416	666	832	950	926	764	471	239	113	78	201	464	880	1546	2378	3328	4254	5018	5489	5728	5841
55	35	59	149	274	512	682	795	771	614	327	140	57	35	94	243	517	1029	1711	2506	3277	3891	4218	4358	4415
60	11	21	71	158	358	532	640	616	465	196	67	24	11	32	103	261	619	1151	1791	2407	2872	3068	3135	3159
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	160	207	343	460	655	775	862	855	727	509	324	196	160	367	710	1170	1825	2600	3462	4317	5044	5553	5877	6073

(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