

Climatography of the United States

No. 20

1971-2000

Station: CAMILLA 3 SE, GA

COOP ID: 091500

Climate Division: GA 7

NWS Call Sign:

Elevation: 175 Feet Lat: 31° 11N Lon: 84° 12W

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	60.2	38.2	49.2	85+	1967	26	62.6	1974	2	1985	21	40.3	1977	505	0	.0	.0	27.6	@	9.2	.0
Feb	64.6	40.8	52.7	87+	1989	16	59.4	1990	12	1996	5	43.6	1978	350	5	.0	.0	26.6	.1	5.7	.0
Mar	71.1	46.9	59.0	90+	1982	21	64.9	1997	17	1980	3	52.9	1996	216	31	.0	.1	30.7	.0	1.8	.0
Apr	78.1	53.1	65.6	95+	1987	22	69.5	1999	33+	1987	4	61.0	1993	63	80	.0	1.4	30.0	.0	.0	.0
May	85.0	61.4	73.2	105	1953	27	76.2	1998	40	1971	4	69.3	1992	4	259	.1	7.9	31.0	.0	.0	.0
Jun	89.9	68.2	79.1	105+	1953	1	82.7	1986	49+	1984	1	75.4	1997	0	422	1.0	18.3	30.0	.0	.0	.0
Jul	91.8	71.4	81.6	107	1983	25	85.2	1986	56	1967	16	78.3	1994	0	515	1.7	24.1	31.0	.0	.0	.0
Aug	91.2	70.7	81.0	104+	1954	13	84.8	1987	59	1964	14	77.8	1994	0	495	.7	22.6	31.0	.0	.0	.0
Sep	87.5	66.7	77.1	102+	1954	11	81.4	1980	36	1967	30	74.3	1999	1	364	.1	13.8	30.0	.0	.0	.0
Oct	79.4	54.6	67.0	98+	1980	16	72.9	1985	30	1968	27	61.5	1987	69	130	.0	2.3	31.0	.0	.1	.0
Nov	70.8	46.5	58.7	90+	1986	10	66.3	1986	15	1970	25	50.5	1976	229	38	.0	.1	29.8	.0	3.2	.0
Dec	63.0	40.2	51.6	85	1988	22	59.3	1971	7	1962	13	45.2	2000	428	11	.0	.0	28.7	.0	8.2	.0
Ann	77.7	54.9	66.3	107	Jul 1983	25	85.2	Jul 1986	2	Jan 1985	21	40.3	Jan 1977	1865	2350	3.6	90.6	357.4	.1	28.2	.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: 1948-2001

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

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1971-2000**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CAMILLA 3 SE, GA

COOP ID: 091500

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NWS Call Sign:

Elevation: 175 Feet Lat: 31°11N

Lon: 84°12W

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	5.87	5.52	3.71	1991	11	17.13	1991	1.38	1989	8.8	7.7	3.9	2.0	2.18	2.73	3.52	4.17	4.80	5.44	6.14	6.94	7.97	9.56	11.01
Feb	4.97	5.18	5.92	1974	8	9.80	1986	1.32	1991	6.8	5.8	3.3	1.6	1.65	2.13	2.82	3.40	3.96	4.54	5.18	5.92	6.88	8.36	9.72
Mar	6.06	5.99	6.20	1984	6	12.34	1980	1.14	1997	7.9	6.9	3.8	1.9	1.66	2.23	3.11	3.87	4.62	5.41	6.28	7.30	8.64	10.75	12.71
Apr	3.88	3.38	5.45	1961	16	11.42	1975	.26	1999	5.3	4.6	2.6	1.3	.36	.64	1.16	1.70	2.29	2.95	3.74	4.73	6.08	8.33	10.54
May	3.58	2.90	3.81	1973	27	10.85	1976	.14	1986	5.9	5.2	2.6	1.0	.29	.54	1.01	1.50	2.05	2.67	3.42	4.36	5.65	7.82	9.96
Jun	5.10	4.79	4.14	1972	26	10.43	1987	.73	1996	8.3	6.9	3.3	1.6	1.00	1.46	2.20	2.89	3.59	4.34	5.19	6.21	7.56	9.73	11.80
Jul	5.68	5.43	3.97	1982	10	9.42	1985	1.01	1983	10.4	8.9	4.0	1.8	1.87	2.41	3.20	3.87	4.52	5.19	5.92	6.78	7.88	9.60	11.18
Aug	4.40	3.63	6.04	1985	29	11.12	1974	1.74	1980	8.2	6.7	2.8	1.2	1.52	1.94	2.54	3.05	3.54	4.05	4.60	5.24	6.06	7.33	8.50
Sep	3.61	2.34	5.05	1998	3	14.40	1998	.24	1991	5.8	4.8	2.2	1.1	.27	.50	.96	1.46	2.01	2.65	3.41	4.38	5.72	7.98	10.22
Oct	2.46	2.06	3.48	1959	29	8.34	1994	.00+	1987	4.3	3.5	1.7	.8	.00	.22	.64	1.03	1.44	1.89	2.42	3.06	3.94	5.39	6.81
Nov	3.35	2.79	5.04	1985	22	8.89	1997	.42	1991	6.0	4.9	2.4	1.0	.84	1.15	1.64	2.07	2.50	2.95	3.45	4.05	4.82	6.06	7.21
Dec	3.92	3.44	4.64	1971	21	8.26	1983	.79	1980	7.2	5.9	2.6	1.3	1.31	1.68	2.23	2.69	3.13	3.59	4.09	4.68	5.43	6.59	7.66
Ann	52.88	53.38	6.20	Mar 1984	6	17.13	Jan 1991	.00+	Oct 1987	84.9	71.8	35.2	16.6	37.90	40.80	44.52	47.35	49.85	52.27	54.76	57.52	60.86	65.70	69.89

+ 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

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NWS Call Sign:

Elevation: 175 Feet

Lat: 31° 11N

Lon: 84° 12W

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	#	1977	31	#	1977	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.1	.0	0	0	3.0	1973	10	3.0	1973	0	0	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	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.1	.0	N/A	N/A	3.0	Feb 1973	10	3.0	Feb 1973	0	0	0	0	0	@	@	@	.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	4/12	4/06	4/01	3/29	3/25	3/21	3/18	3/13	3/07
32	3/26	3/19	3/14	3/09	3/05	3/01	2/25	2/20	2/13
28	3/15	3/07	3/01	2/24	2/19	2/14	2/09	2/03	1/26
24	2/26	2/19	2/13	2/09	2/04	1/31	1/26	1/20	1/11
20	2/11	2/02	1/26	1/19	1/10	0/00	0/00	0/00	0/00
16	1/20	1/05	0/00	0/00	0/00	0/00	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	10/15	10/20	10/25	10/28	11/01	11/04	11/08	11/12	11/18
32	10/30	11/06	11/11	11/15	11/19	11/23	11/28	12/03	12/10
28	11/14	11/23	11/30	12/05	12/10	12/16	12/21	12/28	1/06
24	12/01	12/12	12/19	12/26	1/01	1/07	1/14	1/22	2/04
20	12/23	1/03	1/12	1/20	1/31	0/00	0/00	0/00	0/00
16	1/06	1/23	0/00	0/00	0/00	0/00	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	247	238	231	225	220	215	209	202	193
32	286	276	269	264	258	253	247	240	231
28	328	314	306	298	292	285	278	270	259
24	>365	364	345	334	325	317	309	300	288
20	>365	>365	>365	>365	>365	>365	>365	354	331
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

* 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	505	350	216	63	4	0	0	0	1	69	229	428	1865
60	373	225	118	17	0	0	0	0	0	24	134	293	1184
57	303	162	73	6	0	0	0	0	0	11	89	224	868
55	261	127	50	3	0	0	0	0	0	6	65	185	697
50	174	59	15	0	0	0	0	0	0	1	24	104	377
32	14	0	0	0	0	0	0	0	0	0	0	2	16

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	547	579	838	1008	1278	1412	1538	1518	1353	1084	799	609	12563
55	81	62	175	320	565	722	825	805	663	377	174	78	4847
57	61	41	136	263	503	662	763	743	603	320	139	55	4289
60	38	20	88	184	410	572	670	650	513	240	93	31	3509
65	0	5	31	80	259	422	515	495	364	130	38	11	2350
70	0	0	8	21	129	273	360	340	220	54	13	0	1418

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	353	422	647	800	1057	1192	1305	1285	1132	868	594	414	353	775	1422	2222	3279	4471	5776	7061	8193	9061	9655	10069
45	230	291	496	650	902	1042	1150	1130	982	713	445	280	230	521	1017	1667	2569	3611	4761	5891	6873	7586	8031	8311
50	134	185	347	500	747	892	995	975	832	558	312	174	134	319	666	1166	1913	2805	3800	4775	5607	6165	6477	6651
55	67	99	223	354	592	742	840	820	682	406	195	97	67	166	389	743	1335	2077	2917	3737	4419	4825	5020	5117
60	24	46	116	219	438	592	685	665	532	267	107	47	24	70	186	405	843	1435	2120	2785	3317	3584	3691	3738
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	217	265	411	522	719	817	890	884	780	581	383	251	217	482	893	1415	2134	2951	3841	4725	5505	6086	6469	6720

(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