

Climatology of the United States

No. 20

1971-2000

Station: TALBOTTON, GA

COOP ID: 098535

Climate Division: GA 4

NWS Call Sign:

Elevation: 686 Feet Lat: 32°41N Lon: 84°31W

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	54.5	31.6	43.1	82	1949	12	55.8	1974	-5	1985	21	32.9	1977	680	0	.0	.0	24.3	.2	15.2	.1
Feb	59.6	33.5	46.6	83	1989	16	52.1	1990	6	1996	5	38.9	1978	517	0	.0	.0	24.4	.2	11.3	.0
Mar	67.3	40.2	53.8	92	1974	10	60.8	1997	12+	1980	3	48.3	1971	357	8	.0	@	30.1	.0	5.6	.0
Apr	74.7	47.2	61.0	93	1986	27	66.3	1999	25	1987	1	57.0	1983	152	30	.0	.6	30.0	.0	1.2	.0
May	81.3	55.8	68.6	99	1962	28	72.9	2000	33	1988	2	64.5	1988	36	145	.0	3.8	31.0	.0	.0	.0
Jun	87.6	64.2	75.9	105+	1931	28	81.4	1998	42+	1988	11	72.0	1997	1	327	.2	13.4	30.0	.0	.0	.0
Jul	89.6	68.1	78.9	107+	1930	12	81.9	1980	48	1988	7	76.1	1994	0	429	.9	19.5	31.0	.0	.0	.0
Aug	88.5	67.0	77.8	104	1983	31	81.5	1999	50	1936	27	75.1	1992	0	394	.6	18.4	31.0	.0	.0	.0
Sep	83.3	61.2	72.3	102	1931	7	75.9	1978	26	1964	17	69.1	1985	8	226	@	8.3	30.0	.0	.0	.0
Oct	74.0	48.5	61.3	97	1951	6	67.1	1984	24	1976	29	55.2	1987	162	45	.0	.4	31.0	.0	1.2	.0
Nov	65.6	39.9	52.8	89	1961	2	59.6	1985	8	1950	25	45.7	1976	374	6	.0	.0	29.4	.0	7.0	.0
Dec	56.5	33.8	45.2	81+	1972	10	52.7	1971	1	1962	13	37.6	1989	615	0	.0	.0	26.1	.1	12.4	.0
Ann	73.5	49.3	61.4	107+	Jul 1930	12	81.9	Jul 1980	-5	Jan 1985	21	32.9	Jan 1977	2902	1610	1.7	64.4	348.3	.5	53.9	.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

069-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: TALBOTTON, GA

COOP ID: 098535

Climate Division: GA 4

NWS Call Sign:

Elevation: 686 Feet Lat: 32°41N

Lon: 84°31W

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	5.01	4.87	3.42	1940	12	9.67	1991	1.00	1981	8.4	7.4	4.0	1.6	1.85	2.32	2.99	3.56	4.10	4.65	5.24	5.94	6.82	8.19	9.44
Feb	4.74	5.12	3.60	1962	22	8.48	1981	.95	2000	6.6	6.0	3.5	1.8	1.53	1.98	2.64	3.21	3.75	4.32	4.93	5.66	6.59	8.04	9.38
Mar	5.87	5.91	9.00	1990	17	12.20	1980	1.50	1982	7.6	7.0	4.2	1.9	1.73	2.28	3.12	3.85	4.55	5.28	6.09	7.05	8.28	10.21	12.00
Apr	3.94	3.26	4.80	1981	1	9.13	1979	.00	1986	5.6	4.9	2.8	1.5	.33	.77	1.41	1.99	2.58	3.23	3.97	4.87	6.07	8.03	9.90
May	3.34	3.09	6.00	1943	24	6.80	1978	.46	2000	6.3	5.5	2.5	1.1	.91	1.23	1.71	2.13	2.54	2.97	3.45	4.02	4.75	5.91	6.99
Jun	4.04	3.47	5.38	1959	2	8.83	1999	1.00	1990	6.8	6.0	3.0	1.3	1.08	1.47	2.05	2.56	3.07	3.59	4.18	4.87	5.78	7.20	8.52
Jul	4.77	4.16	4.29	1994	5	14.04	1989	.50	1986	7.8	7.1	3.7	1.3	1.12	1.57	2.27	2.89	3.51	4.17	4.91	5.79	6.94	8.77	10.49
Aug	4.02	3.99	4.25	1939	18	7.45	1977	.36	1997	6.7	5.6	3.0	1.1	.90	1.27	1.86	2.39	2.92	3.49	4.12	4.88	5.89	7.48	8.98
Sep	3.29	2.94	5.30	1956	25	8.18	1986	.00	1984	5.7	5.1	2.4	.9	.66	1.12	1.67	2.12	2.55	2.98	3.47	4.03	4.76	5.90	6.95
Oct	2.81	2.73	5.47	1964	5	7.23	1995	.00	1978	4.6	4.0	2.0	.8	.30	.63	1.10	1.51	1.92	2.37	2.87	3.47	4.27	5.56	6.79
Nov	3.81	3.49	3.85	1957	19	11.17	1992	.25	1990	5.6	5.2	2.7	1.4	.92	1.27	1.83	2.32	2.82	3.34	3.92	4.61	5.52	6.96	8.31
Dec	4.54	4.00	4.65	1964	26	10.68	1981	1.45	1980	6.9	6.2	3.3	1.5	1.63	2.05	2.67	3.19	3.69	4.19	4.75	5.39	6.21	7.48	8.65
Ann	50.18	48.51	9.00	Mar 1990	17	14.04	Jul 1989	.00+	Apr 1986	78.6	70.0	37.1	16.2	37.90	40.33	43.42	45.74	47.79	49.77	51.79	54.02	56.70	60.57	63.89

+ 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: 1930-2001

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

Complete documentation available from:
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Station: TALBOTTON, GA

COOP ID: 098535

Climate Division: GA 4

NWS Call Sign:

Elevation: 686 Feet

Lat: 32°41N

Lon: 84°31W

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	.1	.0	#	0	1.0	1992	19	1.0+	1992	1	1986	27	#+	1996	@	@	.0	.0	.0	.0	.0	.0	.0
Feb	.6	.0	0	0	14.0	1973	10	14.0	1973	0	0	0	0	0	@	@	@	@	@	.0	.0	.0	.0
Mar	.2	.0	#	0	3.0	1993	13	3.0	1993	1	1983	24	#	1983	.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	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	#	.0	#	0	#	1997	15	#+	1997	2	1993	22	#+	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.9	.0	N/A	N/A	14.0	Feb 1973	10	14.0	Feb 1973	2	Dec 1993	22	#+	Dec 1997	.1	.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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Climate Division: GA 4

NWS Call Sign:

Elevation: 686 Feet

Lat: 32° 41N

Lon: 84° 31W

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	5/04	4/28	4/24	4/20	4/17	4/14	4/10	4/06	3/31
32	4/20	4/15	4/11	4/08	4/05	4/02	3/30	3/26	3/21
28	4/03	3/28	3/24	3/20	3/17	3/13	3/10	3/05	2/27
24	3/12	3/05	2/28	2/24	2/20	2/16	2/12	2/08	2/01
20	3/04	2/24	2/18	2/13	2/08	2/03	1/28	1/21	1/07
16	2/27	2/17	2/09	2/03	1/27	1/20	1/10	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	10/06	10/10	10/13	10/16	10/18	10/21	10/24	10/27	10/31
32	10/15	10/20	10/24	10/28	10/31	11/03	11/06	11/10	11/16
28	10/27	11/03	11/07	11/11	11/15	11/19	11/23	11/28	12/04
24	11/10	11/19	11/26	12/02	12/07	12/12	12/18	12/25	1/03
20	11/29	12/08	12/14	12/20	12/25	12/30	1/05	1/13	1/27
16	12/09	12/21	12/29	1/06	1/14	1/22	2/03	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	197	192	188	184	179	175	170	162
32	230	223	217	212	208	204	199	194	186
28	268	259	253	248	242	237	232	225	217
24	320	308	300	293	287	281	275	267	257
20	>365	349	332	323	316	309	302	294	283
16	>365	>365	>365	>365	362	340	327	315	301

* 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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Elevation: 686 Feet Lat: 32°41N Lon: 84°31W

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	680	517	357	152	36	1	0	0	8	162	374	615	2902
60	538	379	225	66	7	0	0	0	1	77	242	469	2004
57	453	302	160	33	2	0	0	0	0	43	176	383	1552
55	399	252	124	19	0	0	0	0	0	27	138	329	1288
50	279	148	55	3	0	0	0	0	0	7	65	214	771
32	34	3	0	0	0	0	0	0	0	0	0	14	51

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	376	411	675	868	1133	1316	1452	1417	1208	907	623	422	10808
55	29	16	86	197	420	626	739	704	518	221	71	25	3652
57	21	10	60	151	360	566	677	642	458	175	48	16	3184
60	12	3	31	93	272	476	584	549	369	115	24	9	2537
65	0	0	8	30	145	327	429	394	226	45	6	0	1610
70	0	0	0	6	59	188	274	240	106	12	0	0	885

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	227	300	524	694	937	1100	1234	1218	1023	736	464	280	227	527	1051	1745	2682	3782	5016	6234	7257	7993	8457	8737
45	126	185	378	544	782	950	1079	1063	873	581	327	163	126	311	689	1233	2015	2965	4044	5107	5980	6561	6888	7051
50	63	105	242	397	627	800	924	908	723	427	206	89	63	168	410	807	1434	2234	3158	4066	4789	5216	5422	5511
55	28	50	141	261	472	650	769	753	573	282	110	40	28	78	219	480	952	1602	2371	3124	3697	3979	4089	4129
60	3	19	63	143	318	500	614	598	424	158	48	13	3	22	85	228	546	1046	1660	2258	2682	2840	2888	2901
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	149	209	347	462	624	748	839	827	695	487	312	180	149	358	705	1167	1791	2539	3378	4205	4900	5387	5699	5879

(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