U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: ALBANY 3 SE, GA **COOP ID: 090140**

Climate Division: GA 7 **NWS Call Sign:** **Elevation: 180 Feet** **Lat: 31˚32N** **Lon: 84˚08W**

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	59.9	35.1	47.5	83+	1949	12	62.3	1974	1+	1985	22	38.4	1977	556	0	.0	.0	25.5	.2	14.6	.0
Feb	64.4	37.8	51.1	86+	1990	4	57.3	1990	11+	1966	1	41.9	1978	396	6	.0	.0	25.2	.2	9.9	.0
Mar	71.8	44.6	58.2	93	1907	22	67.4	1997	10	1980	4	52.5	1971	241	30	.0	.1	30.3	@	3.7	.0
Apr	78.3	49.9	64.1	97	1978	10	69.8	1999	27+	1987	2	59.8	1983	99	74	.0	1.1	30.0	.0	.6	.0
May	85.2	59.1	72.2	102	1962	20	76.6	2000	39+	1971	5	68.3	1971	10	233	.0	6.8	31.0	.0	.0	.0
Jun	90.4	66.7	78.6	106	1931	30	82.7	1998	46	1984	1	75.7	1997	0	407	1.2	18.5	30.0	.0	.0	.0
Jul	92.5	70.2	81.4	107	1980	15	84.7	1998	57+	1967	16	77.0	1975	0	507	1.6	24.0	31.0	.0	.0	.0
Aug	91.9	69.9	80.9	104+	1980	23	84.9	1999	56+	1986	31	77.7	1974	0	492	1.2	23.1	31.0	.0	.0	.0
Sep	88.2	65.1	76.7	106	1925	5	80.5	1980	37	1967	30	73.5	1975	1	350	.2	14.6	30.0	.0	.0	.0
Oct	80.1	52.5	66.3	99+	1917	29	71.8	1985	28	1989	21	59.8	1987	83	124	.0	2.1	31.0	.0	.4	.0
Nov	71.1	44.0	57.6	97	1926	1	64.5	1985	14+	1970	26	49.4	1976	252	29	.0	@	29.8	.0	4.9	.0
Dec	62.9	37.7	50.3	85	1978	8	58.8	1971	6	1962	13	41.6	1989	468	12	.0	.0	27.3	.2	11.6	.0
Ann	78.1	52.7	65.4	107	Jul 1980	15	84.9	Aug 1999	1+	Jan 1985	22	38.4	Jan 1977	2106	2264	4.2	90.3	352.1	.6	45.7	.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/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1892-2001

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

Issue Date: February 2004

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Climate Division: GA 7 **NWS Call Sign:** **Elevation: 180 Feet** **Lat: 31˚32N** **Lon: 84˚08W**

Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	6.12	5.79	4.30	1925	11	12.77	1991	1.39	1981
Feb	4.78	4.67	5.23	1979	24	9.83	1979	1.02	1980
Mar	5.71	5.95	6.31+	1944	7	11.70	1980	.72	1997
Apr	3.54	3.21	7.60	1928	23	9.41	1973	.30	1986
May	3.86	3.83	4.85	1915	8	11.76	1976	.76	1988
Jun	4.88	4.44	4.60	1991	27	12.74	1989	.96	1998
Jul	6.32	6.19	5.10	1916	9	10.60	1989	1.77	1996
Aug	4.38	3.70	4.90	1931	11	10.73	1994	.89+	1987
Sep	3.77	3.07	5.52	1998	3	12.40	1998	.76	1984
Oct	2.46	2.16	6.84	1941	8	7.83	1994	.02	1987
Nov	3.78	2.89	5.65	1985	22	9.46	1985	.80	1991
Dec	3.80	3.47	4.03	1911	23	8.63	1997	.89	1980
Ann	53.40	53.22	7.60	Apr 1928	23	12.77	Jan 1991	.02	Oct 1987

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	10.5	8.1	4.3	2.3
Feb	8.3	6.1	3.3	1.5
Mar	9.2	7.3	3.8	2.1
Apr	6.8	5.1	2.3	1.2
May	7.5	5.5	2.6	1.3
Jun	10.6	7.8	3.4	1.6
Jul	12.3	9.1	4.4	2.0
Aug	10.5	7.0	3.0	1.2
Sep	7.7	5.4	2.5	1.2
Oct	5.4	3.4	1.6	.7
Nov	7.6	5.4	2.3	1.1
Dec	8.7	6.0	2.6	1.2
Ann	105.1	76.2	36.1	17.4

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.41	2.98	3.78	4.45	5.08	5.72	6.41	7.21	8.23	9.78	11.20
Feb	1.55	2.01	2.68	3.25	3.80	4.36	4.98	5.71	6.65	8.10	9.45
Mar	1.58	2.12	2.94	3.66	4.36	5.10	5.91	6.87	8.12	10.08	11.91
Apr	.53	.83	1.34	1.83	2.34	2.90	3.54	4.32	5.37	7.09	8.73
May	.83	1.18	1.75	2.26	2.78	3.33	3.94	4.69	5.66	7.22	8.70
Jun	1.41	1.87	2.57	3.18	3.77	4.39	5.07	5.87	6.91	8.55	10.06
Jul	2.32	2.92	3.77	4.48	5.16	5.86	6.61	7.49	8.61	10.33	11.91
Aug	1.01	1.41	2.06	2.63	3.21	3.81	4.50	5.31	6.38	8.09	9.69
Sep	.70	1.04	1.59	2.10	2.62	3.18	3.82	4.59	5.62	7.27	8.84
Oct	.08	.18	.43	.74	1.12	1.58	2.16	2.92	4.02	5.93	7.86
Nov	.77	1.11	1.67	2.17	2.68	3.23	3.85	4.60	5.58	7.16	8.66
Dec	1.06	1.42	1.97	2.44	2.91	3.40	3.94	4.58	5.41	6.71	7.93
Ann	38.65	41.52	45.20	47.98	50.45	52.83	55.28	57.99	61.27	66.02	70.12

\+ 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: 1892-2001
(3) Derived from 1971-2000 serially complete daily data

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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	#	.0	0	0
Feb	.1	.0	0	0
Mar	.0	.0	0	0
Apr	.0	.0	0	0
May	.0	.0	0	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.0	.0	0	0
Nov	.0	.0	0	0
Dec	.0	.0	0	0
Ann	.1	.0	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	#	1986	27	#	1986	0	0	0	0	0
Feb	3.0	1973	10	3.0	1973	0	0	0	0	0
Mar	.0	0	0	.0	0	0	0	0	0	0
Apr	.0	0	0	.0	0	0	0	0	0	0
May	.0	0	0	.0	0	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	.0	0	0	.0	0	0	0	0	0	0
Nov	.0	0	0	.0	0	0	0	0	0	0
Dec	.0	0	0	.0	0	0	0	0	0	0
Ann	3.0	Feb 1973	10	3.0	Feb 1973	0	0	0	0	0

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.0	.0	.0	.0	.0
Feb	.1	.1	.1	.0	.0
Mar	.0	.0	.0	.0	.0
Apr	.0	.0	.0	.0	.0
May	.0	.0	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.0	.0	.0	.0	.0
Nov	.0	.0	.0	.0	.0
Dec	.0	.0	.0	.0	.0
Ann	.1	.1	.1	.0	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.0	.0	.0	.0
Feb	.0	.0	.0	.0
Mar	.0	.0	.0	.0
Apr	.0	.0	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.0	.0	.0	.0
Nov	.0	.0	.0	.0
Dec	.0	.0	.0	.0
Ann	.0	.0	.0	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

(1) Derived from Snow Climatology and 1971-2000 daily data

@ Denotes mean number of days greater than 0 but less than .05

(2) Derived from 1971-2000 daily data

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

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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	4/26	4/18	4/12	4/06	4/02	3/28	3/22	3/16	3/08
32	4/11	4/02	3/27	3/22	3/17	3/12	3/07	2/28	2/20
28	3/22	3/14	3/08	3/03	2/27	2/22	2/17	2/11	2/03
24	3/10	3/01	2/22	2/16	2/11	2/05	1/30	1/23	1/14
20	2/27	2/16	2/08	2/01	1/25	1/18	1/10	12/30	0/00
16	2/08	1/25	1/11	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	10/12	10/19	10/24	10/28	11/01	11/05	11/09	11/14	11/20
32	10/25	10/31	11/05	11/09	11/13	11/17	11/21	11/26	12/02
28	11/05	11/12	11/18	11/22	11/27	12/01	12/06	12/11	12/19
24	11/23	12/02	12/08	12/14	12/19	12/24	12/29	1/04	1/13
20	12/06	12/17	12/25	1/01	1/08	1/15	1/23	2/04	0/00
16	1/01	1/16	2/02	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	249	236	227	220	212	205	198	189	176
32	277	264	255	248	240	233	225	217	204
28	308	296	287	279	272	265	258	249	237
24	348	331	321	314	308	301	294	287	276
20	>365	>365	>365	357	344	334	326	317	305
16	>365	>365	>365	>365	>365	>365	>365	>365	333

***** 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)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	556	396	241	99	10	0	0	0	1	83	252	468	2106
60	422	269	138	37	1	0	0	0	0	33	150	331	1381
57	348	203	90	17	0	0	0	0	0	16	102	260	1036
55	303	165	64	9	0	0	0	0	0	10	76	219	846
50	210	90	22	1	0	0	0	0	0	2	29	133	487
32	22	1	0	0	0	0	0	0	0	0	0	5	28

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	503	535	812	964	1245	1397	1530	1515	1339	1064	767	572	12243
55	71	55	163	283	532	707	817	802	649	360	153	72	4664
57	54	37	128	231	470	647	755	740	589	305	119	52	4127
60	34	19	82	161	379	557	662	647	499	228	77	30	3375
65	0	6	30	74	233	407	507	492	350	124	29	12	2264
70	0	0	9	22	113	258	352	337	208	52	9	0	1360

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	276	347	572	730	1006	1166	1291	1277	1109	825	538	352	276	623	1195	1925	2931	4097	5388	6665	7774	8599	9137	9489
45	172	232	425	581	851	1016	1136	1122	959	670	394	231	172	404	829	1410	2261	3277	4413	5535	6494	7164	7558	7789
50	96	139	289	432	696	866	981	967	809	516	266	135	96	235	524	956	1652	2518	3499	4466	5275	5791	6057	6192
55	47	68	172	296	541	716	826	812	659	369	163	73	47	115	287	583	1124	1840	2666	3478	4137	4506	4669	4742
60	18	25	90	174	387	566	671	657	510	232	83	34	18	43	133	307	694	1260	1931	2588	3098	3330	3413	3447
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	185	236	380	484	676	789	875	869	750	554	362	234	185	421	801	1285	1961	2750	3625	4494	5244	5798	6160	6394

(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.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/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.

a. Temperature/ Precipitation Tables
   1. 1971-2000 Monthly Normals
   2. Cooperative Summary of the Day
   3. National Weather Service station records
   4. 1971-2000 serially complete daily data

b. Degree Day Table
   1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
   2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

c. Snow Tables
   1. Snow Climatology
   2. Cooperative Summary of the Day

d. Freeze Data Table
   1971-2000 serially complete daily data

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/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