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: APPLING 2 NW, GA **COOP ID: 090311**

Climate Division: GA 6 **NWS Call Sign:** **Elevation: 370 Feet** **Lat: 33˚34N** **Lon: 82˚20W**

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	54.4	30.9	42.7	81	1975	31	55.5	1974	-4	1985	21	33.7	1977	695	0	.0	.0	20.0	.5	18.4	.1
Feb	59.3	33.0	46.2	83+	1996	27	51.6	1976	6+	1996	5	38.0	1978	528	0	.0	.0	21.6	.3	14.6	.0
Mar	67.3	39.9	53.6	88+	1995	24	59.7	1997	6	1980	3	48.7	1971	364	9	.0	.0	29.2	@	8.1	.0
Apr	75.1	46.2	60.7	93	1986	28	65.3	1981	22	1983	20	55.7	1983	162	31	.0	.6	29.9	.0	2.2	.0
May	82.3	55.0	68.7	100	1962	28	72.4	1975	32+	1971	4	64.2	1997	42	153	.0	3.5	31.0	.0	@	.0
Jun	88.4	63.5	76.0	103	1978	27	80.3	1981	40	1984	1	72.0	1972	1	331	.7	13.1	30.0	.0	.0	.0
Jul	91.5	67.6	79.6	106	1980	14	85.1	1993	52	1983	9	76.2	1984	0	451	2.3	21.0	31.0	.0	.0	.0
Aug	89.9	66.6	78.3	105	1980	22	82.1+	1999	52	1965	31	75.1	1981	0	410	.9	17.2	31.0	.0	.0	.0
Sep	84.9	60.6	72.8	102	1980	17	78.1	1980	32	1967	30	69.8	1983	8	239	.1	7.9	30.0	.0	.0	.0
Oct	75.6	47.3	61.5	93	1981	2	67.4	1971	25+	1987	23	54.9	1987	163	54	.0	.5	31.0	.0	1.8	.0
Nov	66.5	39.2	52.9	90	1961	3	60.2	1985	13	1970	25	47.5	1984	370	6	.0	.0	29.0	.0	9.0	.0
Dec	57.2	32.7	45.0	80+	1984	31	53.9	1971	1+	1983	26	37.3	2000	622	0	.0	.0	23.8	.2	16.8	.0
Ann	74.4	48.5	61.5	106	Jul 1980	14	85.1	Jul 1993	-4	Jan 1985	21	33.7	Jan 1977	2955	1684	4.0	63.8	337.5	1.0	70.9	.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/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1961-2001

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

Issue Date: February 2004

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: APPLING 2 NW, GA **COOP ID: 090311**

Climate Division: GA 6 **NWS Call Sign:** **Elevation: 370 Feet** **Lat: 33˚34N** **Lon: 82˚20W**

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	4.96	4.95	2.95	1979	21	8.22	1987	1.09	1981
Feb	4.23	4.20	3.30	1981	11	8.09	1979	.89	1976
Mar	4.91	4.57	4.50	1996	7	11.73	1980	1.13	1985
Apr	3.37	3.04	4.99	1964	7	9.63	1998	.57	1994
May	3.48	3.15	5.32	1964	3	8.95	1991	1.12	1999
Jun	4.08	3.63	7.00	2001	13	7.74	1994	1.00	1993
Jul	4.03	4.13	3.40	1979	19	7.09	1971	.80	1993
Aug	4.09	4.27	5.75	1964	30	8.14	1977	.80	1999
Sep	3.75	3.55	9.30	1998	4	10.55	1998	.05	1984
Oct	3.46	2.67	9.50	1990	12	14.92	1990	.10	2000
Nov	3.24	2.93	4.20	1992	22	8.65	1992	.43	1981
Dec	3.73	3.23	3.18	1964	26	9.76	1981	1.09	1988
Ann	47.33	47.22	9.50	Oct 1990	12	14.92	Oct 1990	.05	Sep 1984

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	9.0	7.8	4.1	1.7
Feb	7.3	6.2	3.1	1.6
Mar	7.8	7.0	3.4	1.5
Apr	6.5	5.1	2.2	1.0
May	7.5	5.9	2.4	1.0
Jun	8.1	6.5	3.2	1.3
Jul	8.7	7.2	2.6	1.1
Aug	8.3	6.4	2.9	1.3
Sep	6.3	4.9	2.4	1.1
Oct	5.1	4.1	2.0	1.1
Nov	6.0	4.9	2.3	1.0
Dec	8.0	6.7	2.8	1.1
Ann	88.6	72.7	33.4	14.8

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	2.10	2.55	3.18	3.70	4.18	4.68	5.20	5.81	6.58	7.75	8.81
Feb	1.12	1.52	2.14	2.67	3.20	3.76	4.38	5.11	6.06	7.56	8.96
Mar	1.63	2.10	2.78	3.36	3.92	4.49	5.12	5.85	6.80	8.26	9.61
Apr	.68	.99	1.48	1.94	2.39	2.88	3.43	4.10	4.97	6.38	7.71
May	.98	1.31	1.81	2.24	2.67	3.11	3.61	4.19	4.94	6.13	7.23
Jun	1.21	1.59	2.18	2.68	3.17	3.68	4.24	4.90	5.76	7.10	8.34
Jul	1.15	1.54	2.12	2.62	3.11	3.62	4.18	4.85	5.71	7.07	8.33
Aug	1.12	1.51	2.10	2.62	3.12	3.65	4.23	4.93	5.83	7.24	8.56
Sep	.23	.45	.91	1.42	1.99	2.67	3.49	4.54	6.01	8.50	10.98
Oct	.16	.34	.74	1.20	1.73	2.36	3.14	4.15	5.58	8.02	10.48
Nov	.75	1.05	1.52	1.95	2.37	2.83	3.33	3.93	4.73	5.98	7.17
Dec	1.07	1.42	1.96	2.42	2.88	3.35	3.87	4.49	5.28	6.53	7.70
Ann	36.42	38.60	41.36	43.42	45.25	46.99	48.79	50.75	53.12	56.53	59.44

\+ 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: 1961-2001
(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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

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: APPLING 2 NW, GA **COOP ID: 090311**

Climate Division: GA 6 **NWS Call Sign:** **Elevation: 370 Feet** **Lat: 33°34N** **Lon: 82°20W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	#	.0	#	0
Feb	#	.0	0	0
Mar	#	.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
Ann	#	.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	#	1996	8	#+	1996	4	1992	19	#+	1996
Feb	#	1984	28	#+	1984	10	1973	11	2	1973
Mar	#	1971	26	#	1971	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	#	1974	1	#+	1974	0	0	0	0	0
Ann	#+	Jan 1996	8	#+	Jan 1996	10	Feb 1973	11	2	Feb 1973

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	.0	.0	.0	.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	.0	.0	.0	.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

@ 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:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: APPLING 2 NW, GA **COOP ID: 090311**

Climate Division: GA 6 **NWS Call Sign:** **Elevation: 370 Feet** **Lat: 33˚34N** **Lon: 82˚20W**

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	5/10	5/04	4/30	4/26	4/22	4/18	4/15	4/10	4/04
32	4/26	4/21	4/17	4/13	4/10	4/07	4/04	3/31	3/26
28	4/16	4/08	4/03	3/30	3/25	3/21	3/17	3/11	3/04
24	3/24	3/16	3/11	3/06	3/02	2/26	2/21	2/15	2/08
20	3/17	3/07	2/27	2/21	2/15	2/09	2/03	1/26	1/16
16	2/27	2/17	2/10	2/04	1/29	1/22	1/12	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	10/20	10/23	10/26	10/30
32	10/10	10/16	10/20	10/23	10/27	10/30	11/02	11/06	11/12
28	10/21	10/29	11/03	11/08	11/12	11/16	11/21	11/26	12/03
24	11/02	11/11	11/17	11/22	11/27	12/02	12/08	12/14	12/23
20	11/21	12/01	12/08	12/14	12/20	12/26	1/01	1/08	1/18
16	12/08	12/17	12/24	12/31	1/06	1/13	1/23	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	203	195	188	183	178	173	168	162	153
32	222	214	208	203	198	194	189	183	175
28	260	250	243	236	231	225	219	212	202
24	306	293	284	277	270	263	255	246	234
20	>365	329	317	309	301	294	287	278	267
16	>365	>365	>365	>365	344	327	317	308	298

***** 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:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: APPLING 2 NW, GA **COOP ID: 090311**

Climate Division: GA 6 **NWS Call Sign:** **Elevation: 370 Feet** **Lat: 33˚34N** **Lon: 82˚20W**

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	695	528	364	162	42	1	0	0	8	163	370	622	2955
60	551	391	232	74	10	0	0	0	1	81	238	475	2053
57	467	313	168	39	3	0	0	0	0	47	172	390	1599
55	413	263	131	23	1	0	0	0	0	30	134	336	1331
50	294	157	60	4	0	0	0	0	0	8	62	219	804
32	41	4	0	0	0	0	0	0	0	0	0	15	60

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	372	401	668	859	1135	1320	1474	1433	1222	914	626	417	10841
55	31	16	87	192	423	630	761	720	532	231	70	24	3717
57	23	10	61	147	363	570	699	658	472	186	48	16	3253
60	14	3	33	92	277	480	606	565	383	126	24	9	2612
65	0	0	9	31	153	331	451	410	239	54	6	0	1684
70	0	0	0	6	67	191	296	256	117	16	0	0	949

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	169	230	438	625	897	1090	1235	1193	986	675	396	216	169	399	837	1462	2359	3449	4684	5877	6863	7538	7934	8150
45	90	134	299	476	742	940	1080	1038	836	520	263	118	90	224	523	999	1741	2681	3761	4799	5635	6155	6418	6536
50	40	68	184	332	587	790	925	883	686	369	160	57	40	108	292	624	1211	2001	2926	3809	4495	4864	5024	5081
55	17	26	94	209	433	640	770	728	536	233	78	27	17	43	137	346	779	1419	2189	2917	3453	3686	3764	3791
60	1	7	39	111	287	490	615	573	387	122	30	3	1	8	47	158	445	935	1550	2123	2510	2632	2662	2665
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	119	164	292	411	588	737	830	809	660	445	269	145	119	283	575	986	1574	2311	3141	3950	4610	5055	5324	5469

(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