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: WEST POINT, GA **COOP ID: 099291**

Climate Division: GA 4 **NWS Call Sign:** **Elevation: 575 Feet** **Lat: 32˚52N** **Lon: 85˚11W**

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	55.1	33.4	44.3	80+	1999	28	55.9	1974	-8+	1985	22	34.2	1977	650	0	.0	.0	21.7	.6	17.6	.1
Feb	59.7	35.3	47.5	84	1948	28	53.8	1990	7+	1996	6	39.3	1978	491	0	.0	.0	22.7	.5	13.6	.0
Mar	67.7	42.1	54.9	88+	1995	24	61.0	1997	11+	1960	5	48.9	1971	324	12	.0	.0	29.3	.1	5.3	.0
Apr	75.3	48.4	61.9	94	1942	30	66.8	1999	26	1940	13	58.1	1993	131	36	.0	.2	29.9	.0	.5	.0
May	82.5	57.2	69.9	99	1941	23	73.7	2000	35+	1971	4	64.0	1976	30	179	.0	3.0	31.0	.0	.0	.0
Jun	89.2	65.3	77.3	104+	1954	28	81.0	1981	43	1956	3	73.2	1997	0	369	.2	14.2	30.0	.0	.0	.0
Jul	92.0	69.7	80.9	106	1980	14	83.9	1986	53+	1975	5	78.0	1994	0	491	.8	20.8	31.0	.0	.0	.0
Aug	90.7	68.8	79.8	103+	1980	10	83.0	1999	50	1976	9	76.8	1992	0	458	.7	18.2	31.0	.0	.0	.0
Sep	86.0	63.2	74.6	102+	1931	20	79.2	1980	35	1967	30	71.2	1974	4	292	.0	8.3	30.0	.0	.0	.0
Oct	76.8	50.8	63.8	97	1954	5	69.1	1984	24	1952	30	58.1	1987	116	80	.0	.5	31.0	.0	.4	.0
Nov	67.5	42.7	55.1	88	1935	2	63.0	1985	8	1950	25	48.5	1976	313	16	.0	.0	28.9	.0	6.8	.0
Dec	58.1	36.1	47.1	80+	1998	7	55.7	1971	1	1962	13	39.4	2000	556	2	.0	.0	24.3	.4	14.8	.0
Ann	75.1	51.1	63.1	106	Jul 1980	14	83.9	Jul 1986	-8+	Jan 1985	22	34.2	Jan 1977	2615	1935	1.7	65.2	340.8	1.6	59.0	.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: 1930-2001

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

Issue Date: February 2004

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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	5.09	5.45	3.50	2000	10	8.57	1996	1.02	1981
Feb	4.93	4.78	7.18	1961	25	9.05	1975	1.40	2000
Mar	5.57	4.86	5.71	1960	30	12.08	1971	1.72	1985
Apr	4.56	3.83	5.25	1979	14	14.86	1979	.30	1986
May	3.55	3.00	3.66	1955	16	10.14	1991	1.35	1995
Jun	3.54	2.49	4.69	1942	13	10.57	1989	.69	1984
Jul	5.65	5.27	4.95	1996	25	15.87	1985	.79	1995
Aug	3.48	3.25	5.02	1953	17	8.90	1974	.25	1980
Sep	3.47	3.79	6.00	1956	25	7.46	1979	.12	1984
Oct	2.90	2.45	4.55	1989	1	10.04	1995	.01	1978
Nov	3.98	3.51	7.26	1948	27	13.69	1992	1.31	1981
Dec	4.83	4.49	4.60	1953	4	9.54	1982	1.51	1979
Ann	51.55	50.37	7.26	Nov 1948	27	15.87	Jul 1985	.01	Oct 1978

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	10.5	8.3	3.7	1.4
Feb	8.0	6.2	3.5	2.0
Mar	8.9	7.2	3.6	1.8
Apr	7.0	5.4	3.1	1.4
May	7.5	5.9	2.4	1.1
Jun	8.7	6.2	2.8	.7
Jul	9.7	7.8	3.6	1.7
Aug	8.3	6.1	2.4	.9
Sep	7.4	5.0	2.1	1.0
Oct	5.6	4.2	1.7	1.0
Nov	7.7	5.5	2.8	1.5
Dec	9.0	7.2	3.4	1.6
Ann	98.3	75.0	35.1	16.1

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	2.11	2.57	3.23	3.76	4.27	4.78	5.33	5.96	6.77	7.99	9.10
Feb	1.75	2.21	2.89	3.45	3.99	4.55	5.15	5.85	6.75	8.13	9.41
Mar	2.05	2.57	3.33	3.95	4.55	5.16	5.83	6.60	7.58	9.10	10.49
Apr	.72	1.11	1.78	2.41	3.06	3.76	4.58	5.57	6.90	9.05	11.12
May	1.04	1.38	1.89	2.33	2.75	3.20	3.69	4.26	5.01	6.18	7.26
Jun	.58	.89	1.40	1.89	2.39	2.93	3.56	4.32	5.33	6.98	8.55
Jul	1.61	2.15	2.96	3.66	4.35	5.06	5.86	6.79	8.01	9.91	11.68
Aug	.74	1.05	1.57	2.03	2.50	3.00	3.56	4.24	5.13	6.55	7.90
Sep	.41	.68	1.16	1.65	2.16	2.74	3.41	4.24	5.37	7.23	9.04
Oct	.22	.40	.77	1.17	1.62	2.13	2.74	3.52	4.60	6.42	8.21
Nov	1.18	1.56	2.13	2.62	3.09	3.59	4.13	4.78	5.61	6.91	8.11
Dec	1.71	2.17	2.83	3.38	3.91	4.46	5.05	5.74	6.62	7.98	9.23
Ann	38.43	41.02	44.31	46.78	48.97	51.08	53.25	55.63	58.51	62.67	66.24

\+ 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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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	.1	.0	0	0
Feb	.0	.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	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	2.0	1977	31	2.0	1977	0	0	0	0	0
Feb	.0	0	0	.0	0	0	0	0	0	0
Mar	#	1983	23	#	1983	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	2.0	Jan 1977	31	2.0	Jan 1977	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	.1	.1	.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	.1	.1	.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

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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	4/23	4/19	4/16	4/13	4/11	4/08	4/05	4/02	3/29
32	4/09	4/03	3/30	3/27	3/23	3/20	3/17	3/12	3/07
28	3/24	3/17	3/13	3/09	3/05	3/01	2/25	2/20	2/14
24	3/09	3/02	2/25	2/20	2/16	2/12	2/07	2/02	1/26
20	3/05	2/24	2/18	2/13	2/08	2/03	1/28	1/22	1/11
16	2/16	2/07	2/01	1/25	1/19	1/10	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	10/17	10/21	10/24	10/27	10/30	11/02	11/06	11/11
32	10/25	10/31	11/04	11/08	11/11	11/15	11/18	11/23	11/29
28	11/04	11/11	11/16	11/21	11/25	11/29	12/03	12/08	12/15
24	11/20	11/29	12/06	12/12	12/18	12/23	12/29	1/05	1/14
20	12/03	12/14	12/21	12/28	1/03	1/09	1/16	1/24	2/06
16	12/16	12/28	1/06	1/14	1/24	2/04	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	218	212	207	202	198	194	190	185	178
32	258	249	243	237	232	227	222	215	207
28	292	282	275	270	264	259	253	246	237
24	336	323	315	308	302	296	289	282	271
20	>365	>365	340	330	322	315	308	301	290
16	>365	>365	>365	>365	>365	>365	351	334	318

***** 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	650	491	324	131	30	0	0	0	4	116	313	556	2615
60	505	353	198	51	6	0	0	0	0	50	195	413	1771
57	422	276	139	23	2	0	0	0	0	26	139	332	1359
55	370	227	105	12	0	0	0	0	0	16	107	282	1119
50	256	126	43	2	0	0	0	0	0	4	47	179	657
32	29	2	0	0	0	0	0	0	0	0	0	9	40

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	407	435	711	895	1173	1358	1514	1481	1278	986	693	478	11409
55	36	16	103	217	460	668	801	768	588	289	110	38	4094
57	26	9	75	168	399	608	739	706	528	237	82	26	3603
60	16	3	41	106	311	518	646	613	438	169	48	14	2923
65	0	0	12	36	179	369	491	458	292	80	16	2	1935
70	0	0	2	7	83	224	336	303	161	27	3	0	1146

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	190	246	470	648	917	1107	1257	1226	1026	722	435	240	190	436	906	1554	2471	3578	4835	6061	7087	7809	8244	8484
45	103	147	325	498	762	957	1102	1071	876	567	299	137	103	250	575	1073	1835	2792	3894	4965	5841	6408	6707	6844
50	48	75	197	355	607	807	947	916	726	413	183	70	48	123	320	675	1282	2089	3036	3952	4678	5091	5274	5344
55	20	32	107	226	452	657	792	761	576	274	97	31	20	52	159	385	837	1494	2286	3047	3623	3897	3994	4025
60	0	7	41	121	304	507	637	606	427	151	41	6	0	7	48	169	473	980	1617	2223	2650	2801	2842	2848
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	122	170	300	417	606	755	858	842	695	467	283	158	122	292	592	1009	1615	2370	3228	4070	4765	5232	5515	5673

(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:
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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