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: BLAIRSVILLE EXP STA, GA **COOP ID: 090969**

Climate Division: GA 2 **NWS Call Sign:** **Elevation: 1,917 Feet** **Lat: 34˚51N** **Lon: 83˚57W**

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	47.2	24.7	36.0	76+	1932	15	49.2	1974	-16+	1985	21	23.3	1977	901	0	.0	.0	15.1	3.1	22.8	.6
Feb	51.4	26.8	39.1	76	1996	28	46.2	1990	-8	1996	5	30.9	1978	725	0	.0	.0	17.1	1.8	19.9	.2
Mar	59.1	33.9	46.5	89	1935	23	51.5	1997	-5	1993	15	40.7	1996	574	0	.0	.0	25.5	.4	15.0	.1
Apr	67.4	40.0	53.7	89+	1960	25	59.2	1981	16+	1983	20	49.3	1983	341	2	.0	.0	29.1	@	7.5	.0
May	74.4	49.3	61.9	94	1941	29	66.5	1991	25+	1963	2	57.4	1973	148	49	.0	.0	30.9	.0	.9	.0
Jun	80.6	57.3	69.0	100	1936	29	72.5	1981	34+	1966	2	64.8	1974	19	139	.0	1.3	30.0	.0	.0	.0
Jul	84.0	61.8	72.9	100+	1934	25	76.9	1993	40	1937	3	70.1	1976	1	246	.0	5.2	31.0	.0	.0	.0
Aug	83.0	60.7	71.9	98	1933	7	75.3	1995	42	1968	29	69.4	1992	1	213	.0	2.5	31.0	.0	.0	.0
Sep	77.7	54.7	66.2	95+	1954	6	70.2	1998	26	1967	30	62.2	1976	50	87	.0	.4	30.0	.0	.1	.0
Oct	69.0	41.7	55.4	90+	1954	6	61.6	1985	14+	1961	27	48.8	1987	314	15	.0	.0	30.8	.0	7.1	.0
Nov	59.3	34.4	46.9	80+	1961	6	56.2	1985	0	1950	25	38.7	1976	547	1	.0	.0	25.2	@	14.9	.0
Dec	50.7	27.7	39.2	74+	1956	9	47.6	1971	-9	1962	13	30.7	1989	800	0	.0	.0	18.7	1.5	21.3	.2
Ann	67.0	42.8	54.9	100+	Jun 1936	29	76.9	Jul 1993	-16+	Jan 1985	21	23.3	Jan 1977	4421	752	.0	9.4	314.4	6.8	109.5	1.1

\+ 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: 1931-2001

(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	5.88	5.96	4.50	1996	27	10.95	1996	1.24	1981
Feb	5.11	4.63	3.83	1966	13	9.62	1990	1.63	1978
Mar	6.41	6.17	5.50	1952	11	13.00+	1980	1.16	1985
Apr	4.62	4.76	4.80	1957	5	9.90	1979	1.12	1975
May	4.77	4.17	5.47	1976	15	13.67	1976	1.02	1988
Jun	4.59	3.90	4.75	2001	30	10.48	1989	1.60	1990
Jul	4.55	4.17	3.50	1938	22	9.33	1989	.68	1993
Aug	4.51	3.90	4.05	1967	23	10.50	1978	1.42	1981
Sep	4.25	4.01	3.30	1992	5	9.50	1980	.25	1984
Oct	3.79	3.74	4.26	1964	4	8.89	1995	.21	2000
Nov	4.96	4.86	3.28	1991	22	10.73	1992	1.86	1990
Dec	4.75	4.81	3.94	1961	12	8.96	1982	.87	1980
Ann	58.19	61.93	5.50	Mar 1952	11	13.67	May 1976	.21	Oct 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	12.5	8.9	4.3	2.0
Feb	10.3	7.5	3.6	1.7
Mar	12.6	8.9	4.1	2.1
Apr	10.6	7.7	3.2	1.4
May	11.7	7.9	3.1	1.4
Jun	11.5	8.1	3.3	.9
Jul	11.5	8.1	3.1	1.1
Aug	10.8	7.6	3.2	1.3
Sep	9.4	6.8	2.9	1.4
Oct	7.9	5.2	2.5	1.1
Nov	10.3	7.4	3.4	1.7
Dec	11.9	7.8	3.4	1.3
Ann	131.0	91.9	40.1	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	2.26	2.80	3.58	4.23	4.85	5.48	6.16	6.94	7.94	9.48	10.89
Feb	1.79	2.27	2.97	3.56	4.12	4.70	5.33	6.07	7.01	8.46	9.80
Mar	2.03	2.64	3.54	4.31	5.05	5.83	6.67	7.67	8.95	10.94	12.78
Apr	1.46	1.90	2.55	3.11	3.65	4.20	4.81	5.53	6.46	7.89	9.22
May	1.56	2.01	2.67	3.24	3.79	4.35	4.97	5.69	6.62	8.06	9.40
Jun	1.60	2.03	2.66	3.19	3.70	4.23	4.80	5.46	6.31	7.63	8.84
Jul	1.23	1.66	2.31	2.89	3.46	4.05	4.71	5.49	6.51	8.10	9.59
Aug	1.58	2.01	2.63	3.15	3.65	4.16	4.71	5.36	6.20	7.48	8.66
Sep	.75	1.12	1.74	2.32	2.92	3.56	4.29	5.18	6.36	8.27	10.09
Oct	.61	.94	1.49	2.01	2.55	3.14	3.81	4.63	5.73	7.51	9.21
Nov	2.20	2.64	3.26	3.76	4.22	4.69	5.20	5.78	6.50	7.61	8.61
Dec	1.47	1.92	2.59	3.17	3.73	4.31	4.95	5.69	6.66	8.17	9.56
Ann	41.49	44.72	48.87	52.02	54.81	57.51	60.30	63.38	67.12	72.54	77.22

\+ 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: 1931-2001
(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	1.3	.0	#	0
Feb	.7	.0	#	0
Mar	1.8	.0	#	0
Apr	.4	.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
Nov	.0	.0	#	0
Dec	.3	.0	#	0
Ann	4.5	.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	8.0	1987	22	11.2	1988	2	1971	1	#+	1980
Feb	3.0	1984	6	4.0	1984	5	1980	6	3	1980
Mar	11.0	1993	13	18.0	1993	#+	1998	11	#+	1998
Apr	6.0	1987	3	8.0	1987	2	1989	7	#+	1989
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	#	1989	20	#	1989	0	0	0	0	0
Nov	.5	1989	17	.5	1989	#	1995	15	#	1995
Dec	4.0	1971	3	4.0	1971	4	1971	3	#	1971
Ann	11.0	Mar 1993	13	18.0	Mar 1993	5	Feb 1980	6	3	Feb 1980

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.5	.3	.1	.1	.0
Feb	.6	.3	@	.0	.0
Mar	.4	.4	.2	.1	@
Apr	.2	.1	@	@	.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
Dec	.2	.1	@	.0	.0
Ann	1.9	1.2	.3	.2	@

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.0	.0	.0	.0
Feb	.1	.0	.0	.0
Mar	.0	.0	.0	.0
Apr	.1	.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
Ann	.2	@	.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	5/24	5/18	5/15	5/11	5/08	5/05	5/02	4/28	4/23
32	5/20	5/14	5/09	5/05	5/01	4/28	4/24	4/19	4/13
28	5/03	4/28	4/25	4/22	4/19	4/16	4/13	4/09	4/04
24	4/16	4/10	4/06	4/02	3/29	3/26	3/22	3/18	3/12
20	3/29	3/22	3/17	3/13	3/10	3/06	3/02	2/25	2/18
16	3/25	3/16	3/09	3/03	2/26	2/20	2/14	2/07	1/29

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	9/20	9/25	9/28	10/01	10/04	10/06	10/09	10/12	10/17
32	9/29	10/03	10/05	10/08	10/10	10/13	10/15	10/18	10/22
28	10/06	10/11	10/15	10/18	10/20	10/23	10/26	10/30	11/03
24	10/17	10/23	10/28	10/31	11/04	11/07	11/11	11/16	11/22
20	11/01	11/07	11/11	11/15	11/18	11/21	11/25	11/29	12/05
16	11/14	11/22	11/28	12/03	12/07	12/12	12/17	12/22	12/30

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	166	160	155	151	147	144	140	135	129
32	184	176	171	166	161	157	152	146	138
28	203	196	192	188	184	180	176	172	165
24	241	233	228	223	219	214	210	204	197
20	278	270	263	258	253	248	242	236	227
16	315	304	297	290	284	278	272	264	253

***** 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	901	725	574	341	148	19	1	1	50	314	547	800	4421
60	751	585	425	204	66	3	0	0	13	192	404	645	3288
57	664	501	340	136	34	0	0	0	4	135	322	559	2695
55	606	447	286	98	20	0	0	0	2	103	272	500	2334
50	468	318	172	34	4	0	0	0	0	45	165	362	1568
32	121	32	5	0	0	0	0	0	0	0	5	54	217

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	242	231	454	651	924	1109	1268	1234	1027	724	449	277	8590
55	15	2	21	59	231	419	555	521	339	114	26	10	2312
57	11	0	13	37	183	360	493	459	281	83	16	7	1943
60	5	0	6	15	122	272	400	366	200	48	8	0	1442
65	0	0	0	2	49	139	246	213	87	15	1	0	752
70	0	0	0	0	13	46	109	82	21	2	0	0	273

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	86	120	258	433	693	886	1037	1004	806	494	256	125	86	206	464	897	1590	2476	3513	4517	5323	5817	6073	6198
45	37	55	150	296	538	736	882	849	656	349	156	62	37	92	242	538	1076	1812	2694	3543	4199	4548	4704	4766
50	12	20	71	180	387	586	727	694	506	217	80	28	12	32	103	283	670	1256	1983	2677	3183	3400	3480	3508
55	0	3	25	91	247	437	572	539	359	112	31	7	0	3	28	119	366	803	1375	1914	2273	2385	2416	2423
60	0	0	4	33	123	290	417	384	220	44	6	0	0	0	4	37	160	450	867	1251	1471	1515	1521	1521
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	58	93	182	292	442	591	705	682	526	336	181	89	58	151	333	625	1067	1658	2363	3045	3571	3907	4088	4177

(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