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: BROOKLET 1 W, GA **COOP ID: 091266**

Climate Division: GA 6 **NWS Call Sign:** **Elevation: 180 Feet** **Lat: 32˚23N** **Lon: 81˚40W**

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	58.0	36.4	47.2	85	1950	25	59.5	1974	1	1985	21	37.2	1977	564	0	.0	.0	25.9	.2	9.6	.0
Feb	61.8	38.5	50.2	86	1962	23	56.7	1990	14+	1958	18	40.2	1978	422	5	.0	.0	25.3	.1	6.5	.0
Mar	68.4	44.5	56.5	92+	1955	21	62.9	1997	15	1980	3	51.0	1971	280	14	.0	@	30.5	.0	1.8	.0
Apr	76.0	51.6	63.8	97	1941	19	69.2	1999	31	1983	20	59.4	1983	90	54	.0	1.0	30.0	.0	.1	.0
May	83.3	60.7	72.0	102	1941	23	76.2	2000	41	1940	5	69.1	1997	9	227	.0	5.7	31.0	.0	.0	.0
Jun	88.8	67.3	78.1	106	1931	29	83.4	1998	49+	1984	1	73.5	1972	0	391	1.0	15.9	30.0	.0	.0	.0
Jul	91.3	70.2	80.8	109	1980	13	84.9	1998	57	1967	16	77.4	1974	0	488	2.1	22.8	31.0	.0	.0	.0
Aug	89.2	69.3	79.3	104+	1983	21	83.0	1987	56	1986	29	76.6	1976	0	442	.7	18.7	31.0	.0	.0	.0
Sep	84.4	65.0	74.7	102	1931	19	78.3	1980	35	1967	30	72.3	1981	1	292	@	8.3	30.0	.0	.0	.0
Oct	76.5	54.3	65.4	97	1941	4	71.0	1984	29+	1976	29	60.2	1976	88	102	.0	.8	31.0	.0	@	.0
Nov	68.5	45.3	56.9	93	1961	2	64.0	1985	13	1950	25	48.7	1976	266	24	.0	.0	29.7	.0	2.4	.0
Dec	60.4	38.4	49.4	86	1951	9	56.9	1971	7	1983	25	42.0	1989	490	7	.0	.0	27.1	.1	7.7	.0
Ann	75.6	53.5	64.5	109	Jul 1980	13	84.9	Jul 1998	1	Jan 1985	21	37.2	Jan 1977	2210	2046	3.8	73.2	352.5	.4	28.1	.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: 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	4.55	4.06	3.80	1992	13	9.65	1991	1.12	1981
Feb	3.66	3.34	3.52	1971	27	8.34	1998	.60	1991
Mar	3.99	3.85	3.90	1953	22	8.52	1980	.94	1999
Apr	2.94	2.81	4.46	1948	1	5.79	1975	.43	1986
May	3.44	3.06	8.46	1969	19	9.74	1991	.00	2000
Jun	4.75	4.60	5.60	1972	19	11.56	1995	.94	1988
Jul	4.85	4.22	3.61	1984	27	11.71	1991	1.27	1983
Aug	6.17	5.40	6.57	1991	26	16.47	1991	1.24	1984
Sep	4.04	3.47	5.77	1933	5	10.44	1988	.22+	1985
Oct	2.63	1.76	3.26	1950	19	11.09	1994	.10	2000
Nov	2.87	2.26	4.10	1985	22	8.02	1992	.68	1998
Dec	3.30	3.07	4.20	1964	4	6.34	1997	.63	1984
Ann	47.19	47.11	8.46	May 1969	19	16.47	Aug 1991	.00	May 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	9.5	7.6	3.2	1.2
Feb	7.2	5.5	2.7	1.1
Mar	8.6	6.6	2.9	1.2
Apr	6.4	5.0	1.9	.8
May	8.7	6.4	2.4	.8
Jun	10.0	7.6	2.8	1.4
Jul	11.1	8.3	3.3	1.4
Aug	10.9	8.4	4.1	1.7
Sep	8.0	6.2	3.2	1.2
Oct	5.5	3.9	1.6	.9
Nov	6.0	4.3	2.1	.9
Dec	8.0	5.4	2.1	1.1
Ann	99.9	75.2	32.3	13.7

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	1.58	2.01	2.64	3.16	3.67	4.19	4.75	5.41	6.25	7.55	8.75
Feb	1.06	1.41	1.93	2.39	2.83	3.29	3.80	4.40	5.17	6.39	7.52
Mar	1.24	1.62	2.18	2.67	3.13	3.62	4.15	4.77	5.58	6.83	7.99
Apr	.64	.91	1.34	1.73	2.12	2.54	3.01	3.57	4.31	5.50	6.62
May	.62	1.09	1.68	2.14	2.60	3.07	3.59	4.21	5.01	6.26	7.43
Jun	.85	1.27	1.96	2.61	3.27	3.99	4.80	5.79	7.11	9.23	11.26
Jul	1.40	1.86	2.56	3.16	3.75	4.36	5.04	5.83	6.87	8.49	9.99
Aug	1.68	2.26	3.15	3.93	4.70	5.50	6.39	7.44	8.81	10.96	12.96
Sep	.37	.65	1.20	1.76	2.37	3.07	3.89	4.92	6.34	8.71	11.04
Oct	.22	.40	.75	1.12	1.52	1.97	2.52	3.21	4.15	5.74	7.29
Nov	.55	.81	1.23	1.62	2.01	2.43	2.92	3.50	4.27	5.50	6.68
Dec	1.00	1.31	1.78	2.18	2.57	2.98	3.43	3.95	4.63	5.69	6.68
Ann	33.72	36.33	39.68	42.21	44.46	46.64	48.88	51.36	54.37	58.73	62.49

\+ 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	.2	.0	0	0
Feb	.2	.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
Ann	.4	.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	19	4.0	1977	0	0	0	0	0
Feb	5.0	1973	10	5.0	1973	1	1996	4	#	1996
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	#	1993	23	#+	1993	#	1993	23	#	1993
Ann	5.0	Feb 1973	10	5.0	Feb 1973	1	Feb 1996	4	#+	Feb 1996

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	.1	.1	@	@	.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	.2	.2	@	@	.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	4/14	4/08	4/03	3/31	3/27	3/23	3/20	3/15	3/09
32	3/30	3/23	3/17	3/13	3/09	3/05	2/28	2/23	2/16
28	3/11	3/04	2/27	2/23	2/19	2/15	2/11	2/07	1/31
24	3/04	2/23	2/17	2/11	2/06	2/01	1/26	1/18	1/04
20	2/17	2/08	1/31	1/24	1/16	1/04	0/00	0/00	0/00
16	2/03	1/20	1/06	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	10/19	10/26	10/31	11/04	11/08	11/11	11/15	11/20	11/27
32	11/03	11/09	11/12	11/16	11/19	11/22	11/25	11/29	12/04
28	11/17	11/24	11/30	12/05	12/09	12/13	12/18	12/23	12/31
24	11/25	12/07	12/15	12/23	12/30	1/06	1/14	1/24	2/12
20	12/20	12/29	1/06	1/13	1/21	2/01	0/00	0/00	0/00
16	1/02	1/16	1/31	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	254	244	237	231	225	219	213	205	195
32	281	272	265	259	254	249	243	236	227
28	319	308	301	295	290	285	279	273	264
24	>365	>365	339	326	317	310	302	294	283
20	>365	>365	>365	>365	>365	>365	348	336	323
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

***** 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	564	422	280	90	9	0	0	0	1	88	266	490	2210
60	424	293	161	28	0	0	0	0	0	34	159	348	1447
57	348	224	108	11	0	0	0	0	0	16	109	272	1088
55	302	184	78	5	0	0	0	0	0	10	81	228	888
50	206	104	28	0	0	0	0	0	0	2	32	138	510
32	19	2	0	0	0	0	0	0	0	0	0	4	25

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	490	509	757	954	1241	1381	1511	1465	1281	1037	748	545	11919
55	60	47	122	269	528	691	798	752	591	333	139	55	4385
57	44	31	90	215	466	631	736	690	531	278	107	38	3857
60	28	16	50	142	373	541	643	597	441	203	67	21	3122
65	0	5	14	54	227	391	488	442	292	102	24	7	2046
70	0	0	2	12	108	248	333	287	152	36	6	0	1184

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	313	378	594	772	1027	1168	1297	1249	1082	833	570	373	313	691	1285	2057	3084	4252	5549	6798	7880	8713	9283	9656
45	198	256	444	622	872	1018	1142	1094	932	678	424	248	198	454	898	1520	2392	3410	4552	5646	6578	7256	7680	7928
50	109	156	303	473	717	868	987	939	782	523	292	148	109	265	568	1041	1758	2626	3613	4552	5334	5857	6149	6297
55	51	81	186	326	562	718	832	784	632	372	179	81	51	132	318	644	1206	1924	2756	3540	4172	4544	4723	4804
60	23	33	92	197	408	568	677	629	482	233	91	34	23	56	148	345	753	1321	1998	2627	3109	3342	3433	3467
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	186	231	368	498	695	799	887	866	747	544	355	224	186	417	785	1283	1978	2777	3664	4530	5277	5821	6176	6400

(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