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: QUITMAN 2 NW, GA **COOP ID: 097276**

Climate Division: GA 8 **NWS Call Sign:** **Elevation: 185 Feet** **Lat: 30˚48N** **Lon: 83˚35W**

Temperature (˚F)

Month	Mean (1)			Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
	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	61.9	38.0	50.0	87+	1920	22	64.5	1974	3+	1985	22	40.4	1977	488	7	.0	.0	26.2	.1	11.0	.0
Feb	66.3	40.7	53.5	87+	1932	9	59.9	1990	2	1899	13	43.9	1978	330	8	.0	.0	26.1	.1	6.4	.0
Mar	73.1	47.2	60.2	93+	1935	24	66.4	1997	18	1980	3	54.6	1996	187	37	.0	@	30.5	@	1.6	.0
Apr	79.1	52.1	65.6	96+	1916	20	70.5	1981	25	1903	3	60.9	1993	73	91	.0	.7	30.0	.0	@	.0
May	85.8	60.5	73.2	103+	1916	11	76.1	1998	40+	1992	8	70.0	1992	3	256	.0	6.4	31.0	.0	.0	.0
Jun	90.7	67.1	78.9	108+	1927	6	84.3	1998	50+	1956	3	75.5	1983	0	417	.6	19.4	30.0	.0	.0	.0
Jul	92.0	69.8	80.9	104+	1902	8	83.7	1986	57+	1967	16	77.3	1984	0	492	.6	24.6	31.0	.0	.0	.0
Aug	91.4	69.2	80.3	105+	1918	17	82.6	1999	54	1973	23	76.9	1981	0	473	.3	23.9	31.0	.0	.0	.0
Sep	88.2	65.0	76.6	103+	1970	1	80.3	1973	42+	1981	20	72.5	1983	1	348	.0	13.8	30.0	.0	.0	.0
Oct	80.3	53.8	67.1	97+	1990	7	72.4	1985	28	1962	27	61.5	1987	68	131	.0	1.9	31.0	.0	.0	.0
Nov	72.4	46.2	59.3	92+	1909	9	67.7	1985	16	1970	25	53.0	1976	212	41	.0	.0	29.8	.0	2.9	.0
Dec	64.0	40.0	52.0	85+	1982	5	61.8	1971	6+	1983	25	43.3	1989	420	18	.0	.0	27.9	.1	8.8	.0
Ann	78.8	54.1	66.5	108+	Jun 1927	6	84.3	Jun 1998	2	Feb 1899	13	40.4	Jan 1977	1782	2319	1.5	90.7	354.5	.3	30.7	.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: 1894-2001

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

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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	5.79	4.72	6.05	1942	2	21.80	1991	.95	1989
Feb	4.47	4.28	5.55	1988	19	9.95	1986	1.23+	1996
Mar	5.30	4.50	8.35	1984	28	14.99	1984	.81	1997
Apr	3.61	3.26	6.95	2000	25	9.83	1983	.00	1986
May	3.15	2.44	5.37	1964	3	12.31	1976	.00	2000
Jun	4.91	3.87	9.51	2001	12	12.68	1994	1.06	1996
Jul	6.30	6.05	6.32	1916	9	13.52	1979	1.41	1997
Aug	5.24	4.38	6.14	1928	10	14.71	1986	1.02	1978
Sep	4.11	2.99	9.33	1924	16	20.27	1998	.55+	1985
Oct	3.11	2.63	5.95	1997	27	14.07	1994	.00+	2000
Nov	3.24	3.08	4.43	1932	1	9.75	1976	.00+	1998
Dec	3.83	3.28	4.60	1920	27	8.16	1986	.28	1984
Ann	53.06	52.03	9.51	Jun 2001	12	21.80	Jan 1991	.00+	Oct 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	6.8	6.3	4.1	2.3
Feb	5.6	5.0	2.9	1.2
Mar	5.7	5.3	3.2	1.8
Apr	3.8	3.5	2.2	1.3
May	4.9	4.5	2.4	1.1
Jun	7.6	6.6	3.7	1.8
Jul	8.1	7.8	4.8	2.3
Aug	5.4	5.0	2.8	1.5
Sep	5.3	4.5	2.8	1.2
Oct	3.1	2.7	1.8	1.1
Nov	4.6	4.0	2.4	1.2
Dec	5.8	4.7	2.8	1.5
Ann	66.7	59.9	35.9	18.3

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	1.39	1.93	2.78	3.53	4.28	5.07	5.95	7.01	8.39	10.57	12.63
Feb	1.21	1.63	2.27	2.84	3.40	3.98	4.62	5.39	6.39	7.95	9.41
Mar	1.09	1.57	2.35	3.06	3.77	4.54	5.41	6.45	7.82	10.02	12.11
Apr	.17	.48	1.02	1.55	2.12	2.76	3.51	4.44	5.72	7.83	9.90
May	.15	.42	.89	1.36	1.85	2.41	3.07	3.88	5.00	6.85	8.66
Jun	1.30	1.76	2.48	3.10	3.71	4.36	5.08	5.92	7.03	8.77	10.40
Jul	2.32	2.91	3.76	4.47	5.14	5.84	6.59	7.46	8.58	10.29	11.86
Aug	1.42	1.92	2.67	3.34	3.99	4.67	5.43	6.32	7.49	9.32	11.03
Sep	.42	.72	1.28	1.85	2.47	3.17	3.99	5.02	6.42	8.75	11.03
Oct	.00	.00	.50	.99	1.53	2.15	2.90	3.86	5.16	7.38	9.58
Nov	.00	.64	1.31	1.82	2.31	2.82	3.40	4.04	4.92	6.32	7.64
Dec	.93	1.29	1.84	2.34	2.83	3.36	3.94	4.63	5.54	6.98	8.33
Ann	38.91	41.69	45.22	47.89	50.25	52.53	54.88	57.46	60.59	65.11	69.01

\+ 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: 1894-2001
(3) Derived from 1971-2000 serially complete daily data

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Snow (inches)

Snow Totals

Means/Medians (1)

Extremes (2)

Mean Number of Days (1)

Snow Fall >= Thresholds

Snow Depth >= Thresholds

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	.0	.0	0	0	.6	1977	31	.6	1977	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Feb	#	.0	0	0	#	1989	23	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	#	.0	#	0	#	1980	3	#	1980	#	1980	3	#	1980	.0	.0	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.2	.0	0	0	3.0	1989	23	4.0	1989	0	0	0	0	0	.1	.1	@	.0	.0	.0	.0	.0	.0
Ann	.2	.0	N/A	N/A	3.0	Dec 1989	23	4.0	Dec 1989	#	Mar 1980	3	#	Mar 1980	.1	.1	@	.0	.0	.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	4/07	4/02	3/29	3/25	3/21	3/17	3/12	3/05
32	3/23	3/16	3/11	3/07	3/03	2/27	2/23	2/18	2/11
28	3/06	2/28	2/24	2/20	2/17	2/13	2/10	2/06	1/31
24	3/02	2/21	2/15	2/10	2/04	1/30	1/24	1/17	1/03
20	2/06	1/27	1/19	1/10	12/26	0/00	0/00	0/00	0/00
16	1/16	1/01	0/00	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	10/20	10/26	10/31	11/04	11/08	11/12	11/16	11/21	11/27
32	10/30	11/06	11/12	11/16	11/20	11/24	11/29	12/04	12/11
28	11/10	11/20	11/28	12/04	12/10	12/16	12/22	12/30	1/09
24	11/29	12/11	12/20	12/27	1/03	1/11	1/19	1/29	2/18
20	12/23	1/04	1/14	1/25	2/13	0/00	0/00	0/00	0/00
16	1/05	1/20	0/00	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	256	246	239	233	227	221	215	208	198
32	291	281	273	267	261	256	249	242	232
28	327	315	307	300	294	287	281	273	263
24	>365	>365	359	339	328	319	310	301	288
20	>365	>365	>365	>365	>365	>365	>365	>365	337
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	488	330	187	73	3	0	0	0	1	68	212	420	1782
60	367	210	94	23	0	0	0	0	0	23	120	291	1128
57	301	152	54	9	0	0	0	0	0	11	78	227	832
55	262	120	34	5	0	0	0	0	0	6	56	190	673
50	178	56	9	0	0	0	0	0	0	1	20	112	376
32	18	0	0	0	0	0	0	0	0	0	0	4	22

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	574	602	873	1008	1275	1407	1515	1496	1337	1086	819	624	12616
55	105	78	194	322	562	717	802	783	647	379	185	97	4871
57	82	54	152	267	500	657	740	721	587	321	148	72	4301
60	55	28	99	190	407	567	647	628	497	241	100	44	3503
65	7	8	37	91	256	417	492	473	348	131	41	18	2319
70	6	0	10	28	124	269	337	318	206	55	13	7	1373

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	345	415	634	772	1033	1173	1276	1259	1107	845	588	393	345	760	1394	2166	3199	4372	5648	6907	8014	8859	9447	9840
45	223	285	481	622	878	1023	1121	1104	957	690	441	264	223	508	989	1611	2489	3512	4633	5737	6694	7384	7825	8089
50	135	179	338	472	723	873	966	949	807	535	308	161	135	314	652	1124	1847	2720	3686	4635	5442	5977	6285	6446
55	68	94	211	331	569	723	811	794	657	385	193	86	68	162	373	704	1273	1996	2807	3601	4258	4643	4836	4922
60	28	42	110	198	414	573	656	639	507	246	102	44	28	70	180	378	792	1365	2021	2660	3167	3413	3515	3559
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	217	266	402	506	699	800	870	863	756	558	386	249	217	483	885	1391	2090	2890	3760	4623	5379	5937	6323	6572

(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