

Climatography of the United States

No. 20

1971-2000

Station: NEWINGTON, GA

COOP ID: 096323

Climate Division: GA 6

NWS Call Sign:

Elevation: 209 Feet

Lat: 32°36N

Lon: 81°30W

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	58.5	34.6	46.6	84+	1959	21	59.4	1974	-1	1985	21	33.5	1977	587	0	.0	.0	25.3	.2	10.5	@
Feb	62.8	37.1	50.0	86	1989	16	56.2	1990	10	1973	12	39.1	1978	427	5	.0	.0	25.5	.1	6.7	.0
Mar	69.2	43.8	56.5	91	1974	10	62.6	1997	13	1980	3	51.9	1996	275	11	.0	@	30.5	.0	2.3	.0
Apr	76.5	50.5	63.5	97	1986	27	68.4	1999	31+	1985	3	60.1	1993	95	50	.0	1.6	30.0	.0	.2	.0
May	83.7	60.3	72.0	101	1962	27	75.4	1995	34	1963	2	68.1	1976	9	226	@	6.4	31.0	.0	.0	.0
Jun	89.3	67.3	78.3	104+	1985	4	83.1	1998	48	1984	1	73.6	1972	0	398	.9	16.1	30.0	.0	.0	.0
Jul	92.3	70.8	81.6	110	1980	13	86.7	1986	56	1967	16	77.9	1975	0	513	1.9	14.9	31.0	.0	.0	.0
Aug	89.9	69.6	79.8	105+	1999	1	83.4	1999	51	1986	30	76.0	1976	0	458	.9	18.7	31.0	.0	.0	.0
Sep	85.1	64.0	74.6	102	1980	16	79.5	1980	37	1967	30	70.0	1983	2	290	.1	8.0	30.0	.0	.0	.0
Oct	77.4	52.5	65.0	95+	1986	4	70.8	1985	26	1976	29	58.6	1987	102	101	.0	1.3	31.0	.0	.1	.0
Nov	69.0	42.8	55.9	92	1961	2	64.3	1985	14	1970	25	47.9	1976	298	25	.0	.0	29.5	.0	3.7	.0
Dec	61.2	36.3	48.8	86	1956	12	57.2	1971	7+	1983	26	40.9	1989	512	6	.0	.0	27.6	.1	8.0	.0
Ann	76.2	52.5	64.4	110	Jul 1980	13	86.7	Jul 1986	-1	Jan 1985	21	33.5	Jan 1977	2307	2083	3.8	67.0	352.4	.4	31.5	@

+ 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/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1956-2001

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

058-A

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No. 20

1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NEWINGTON, GA

COOP ID: 096323

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NWS Call Sign:

Elevation: 209 Feet Lat: 32°36N

Lon: 81°30W

Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	4.90	4.47	3.25	1967	1	9.15	1987	1.09	1981	9.0	7.3	3.1	1.5	1.78	2.24	2.90	3.46	3.99	4.53	5.12	5.81	6.68	8.03	9.27
Feb	3.76	3.99	3.20	1965	17	10.85	1998	.35	1991	6.8	5.0	2.4	1.2	.86	1.21	1.76	2.26	2.75	3.27	3.86	4.56	5.49	6.95	8.34
Mar	4.27	3.91	3.50	1980	13	11.86	1980	1.08	1985	8.1	6.0	3.0	1.5	1.33	1.74	2.34	2.86	3.36	3.87	4.44	5.11	5.97	7.32	8.56
Apr	2.89	2.59	3.33	1975	14	6.13	1982	.10	1986	6.8	4.8	2.0	.9	.39	.62	1.04	1.44	1.86	2.32	2.86	3.53	4.42	5.88	7.30
May	3.54	2.93	5.20	1969	19	10.57	1976	.43	1977	8.7	6.0	2.3	.8	.74	1.07	1.59	2.06	2.53	3.04	3.61	4.30	5.21	6.66	8.03
Jun	5.29	4.91	4.83	1981	12	10.23	1989	2.11	1993	10.4	7.6	3.5	1.6	2.10	2.59	3.28	3.86	4.40	4.95	5.54	6.23	7.11	8.44	9.66
Jul	5.15	4.47	3.40	1960	6	15.29	1989	.50	1977	10.4	8.4	4.2	1.6	1.11	1.59	2.34	3.03	3.71	4.44	5.27	6.25	7.55	9.63	11.59
Aug	5.46	5.22	3.60	1959	30	11.16	1974	.32	1983	10.1	8.1	3.8	2.0	1.24	1.75	2.55	3.27	3.99	4.75	5.61	6.63	7.97	10.11	12.12
Sep	4.18	3.82	4.85	1979	4	14.34	1979	.23	1981	8.4	6.1	2.6	1.5	.43	.73	1.31	1.89	2.52	3.23	4.06	5.10	6.53	8.89	11.20
Oct	2.14	1.75	5.50	1990	10	11.25	1990	.00	1978	4.7	3.4	1.6	.8	.08	.25	.56	.87	1.21	1.60	2.05	2.63	3.42	4.73	6.03
Nov	2.62	2.33	4.70	1985	22	8.52	1985	.00	1991	5.5	4.0	1.9	1.0	.27	.57	1.01	1.39	1.78	2.20	2.67	3.24	4.00	5.22	6.39
Dec	3.61	3.38	3.00	1989	8	8.10	1989	.50	1990	7.3	4.8	2.5	1.1	.86	1.20	1.72	2.19	2.66	3.16	3.71	4.37	5.23	6.60	7.89
Ann	47.81	47.31	5.50	Oct 1990	10	15.29	Jul 1989	.00+	Nov 1991	96.2	71.5	32.9	15.5	36.62	38.85	41.67	43.79	45.66	47.45	49.29	51.31	53.74	57.24	60.24

+ 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: 1956-2001

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

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Station: NEWINGTON, GA

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NWS Call Sign:

Elevation: 209 Feet

Lat: 32°36N

Lon: 81°30W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										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	.2	.0	0	0	3.0	1977	11	3.0+	1977	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.4	.0	#	0	5.0	1973	10	8.0	1973	8	1973	11	1	1973	.1	.1	.1	.1	.0	.2	.2	.1	.0
Mar	.1	.0	#	0	3.0	1980	2	3.0	1980	3	1980	2	#	1980	.1	.1	.1	.0	.0	.1	.1	.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	.1	.0	#	0	2.0	1980	27	2.0	1980	#	1989	24	#	1989	.1	.1	.0	.0	.0	.0	.0	.0	.0
Ann	.8	.0	N/A	N/A	5.0	Feb 1973	10	8.0	Feb 1973	8	Feb 1973	11	1	Feb 1973	.3	.3	.2	.1	.0	.3	.3	.1	.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:

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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	4/18	4/11	4/06	4/02	3/29	3/25	3/21	3/16	3/09
32	4/04	3/28	3/23	3/19	3/15	3/11	3/06	3/01	2/22
28	3/14	3/07	3/02	2/25	2/21	2/17	2/12	2/07	1/31
24	3/10	2/28	2/21	2/15	2/09	2/03	1/28	1/21	1/11
20	2/22	2/14	2/08	2/02	1/28	1/21	1/13	0/00	0/00
16	2/05	1/22	1/10	12/22	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	10/14	10/21	10/25	10/30	11/02	11/06	11/10	11/15	11/22
32	10/25	11/01	11/06	11/10	11/13	11/17	11/21	11/26	12/02
28	11/04	11/13	11/20	11/25	12/01	12/06	12/11	12/18	12/27
24	11/15	11/29	12/09	12/17	12/25	1/02	1/11	1/20	2/03
20	12/08	12/20	12/29	1/06	1/15	1/24	2/05	0/00	0/00
16	12/25	1/09	1/24	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	244	235	229	223	218	213	207	200	191
32	272	262	255	249	243	237	231	224	214
28	308	297	290	285	279	274	269	262	253
24	>365	>365	321	312	306	300	294	287	279
20	>365	>365	>365	>365	>365	344	330	317	303
16	>365	>365	>365	>365	>365	>365	>365	>365	348

* 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:

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Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	587	427	275	95	9	0	0	0	2	102	298	512	2307
60	450	298	153	30	1	0	0	0	0	44	188	368	1532
57	375	229	99	11	0	0	0	0	0	23	136	290	1163
55	329	188	70	5	0	0	0	0	0	14	106	244	956
50	232	108	23	0	0	0	0	0	0	4	48	149	564
32	28	3	0	0	0	0	0	0	0	0	0	6	37

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	479	505	760	945	1240	1388	1536	1481	1277	1022	717	523	11873
55	66	46	117	261	527	698	823	768	587	323	132	48	4396
57	50	31	84	207	465	638	761	706	527	270	103	33	3875
60	33	16	45	136	372	548	668	613	437	198	65	18	3149
65	0	5	11	50	226	398	513	458	290	101	25	6	2083
70	0	0	0	11	108	254	358	303	155	38	8	0	1235

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	308	375	596	771	1034	1193	1257	1277	1091	835	553	367	308	683	1279	2050	3084	4277	5534	6811	7902	8737	9290	9657
45	195	252	447	621	879	1043	1102	1122	941	680	410	238	195	447	894	1515	2394	3437	4539	5661	6602	7282	7692	7930
50	105	152	306	472	724	893	947	967	791	526	282	142	105	257	563	1035	1759	2652	3599	4566	5357	5883	6165	6307
55	48	81	187	327	569	743	792	812	641	373	170	74	48	129	316	643	1212	1955	2747	3559	4200	4573	4743	4817
60	18	33	91	197	415	593	637	658	491	242	87	32	18	51	142	339	754	1347	1984	2642	3133	3375	3462	3494
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	181	231	380	498	702	818	879	892	757	550	356	220	181	412	792	1290	1992	2810	3689	4581	5338	5888	6244	6464

(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.
Complete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normal/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 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.

- | | |
|---|---|
| <ol style="list-style-type: none">a. Temperature/ Precipitation Tables<ol style="list-style-type: none">1. 1971-2000 Monthly Normals2. Cooperative Summary of the Day3. National Weather Service station records4. 1971-2000 serially complete daily datab. Degree Day Table<ol style="list-style-type: none">1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data | <ol style="list-style-type: none">c. Snow Tables<ol style="list-style-type: none">1. Snow Climatology2. Cooperative Summary of the Dayd. Freeze Data Table
1971-2000 serially complete daily data |
|---|---|

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/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