

# Climatography of the United States

No. 20

1971-2000

Station: JESUP 8 S, GA

COOP ID: 094676

Climate Division: GA 9

NWS Call Sign:

Elevation: 100 Feet Lat: 31° 30N Lon: 81° 52W

## 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	62.8	38.4	50.6	83+	1975	30	65.0	1974	3	1985	21	40.9	1977	465	4	.0	.0	27.6	.1	10.7	.0
Feb	66.8	40.3	53.6	86+	1985	26	60.9	1990	13	1996	5	45.0	1978	330	10	.0	.0	26.7	.1	7.2	.0
Mar	73.8	46.1	60.0	91+	1974	10	66.1	1997	18	1980	3	52.7	1996	194	38	.0	.1	30.7	.0	3.0	.0
Apr	80.3	51.3	65.8	98	1986	27	71.1	1999	28	1987	1	61.1	1997	63	85	.0	2.3	30.0	.0	.3	.0
May	86.5	59.3	72.9	100+	1986	25	77.0	1991	37	1963	2	69.2	1997	4	249	@	8.6	31.0	.0	.0	.0
Jun	90.7	66.7	78.7	103	1977	14	84.0	1998	44	1984	1	73.5	1997	0	411	1.2	18.5	30.0	.0	.0	.0
Jul	93.3	70.1	81.7	107	1986	20	85.2	1986	55	1987	19	77.6	1997	0	517	1.9	24.8	31.0	.0	.0	.0
Aug	91.6	69.3	80.5	102+	1999	1	82.7	1999	54	1997	26	77.4	1995	0	477	.8	21.3	31.0	.0	.0	.0
Sep	87.3	65.4	76.4	99+	1972	17	80.1	1980	36	1967	30	71.0	1997	1	343	.0	11.0	30.0	.0	.0	.0
Oct	80.1	54.6	67.4	97	1986	2	73.7	1985	27	1987	30	58.4	1987	73	146	.0	1.5	31.0	.0	.3	.0
Nov	72.3	46.9	59.6	90	1972	3	68.1	1985	16	1970	25	52.6	1976	211	49	.0	@	29.8	.0	3.8	.0
Dec	64.6	40.4	52.5	84+	1982	2	61.1	1971	8	1962	13	45.5	1989	404	16	.0	.0	28.7	.0	9.2	.0
Ann	79.2	54.1	66.6	107	Jul 1986	20	85.2	Jul 1986	3	Jan 1985	21	40.9	Jan 1977	1745	2345	3.9	88.1	357.5	.2	34.5	.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/normal/usnormals.html](http://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

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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: JESUP 8 S, GA**

**COOP ID: 094676**

**Climate Division: GA 9**

**NWS Call Sign:**

**Elevation: 100 Feet Lat: 31°30N**

**Lon: 81°52W**

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	4.49	4.13	3.63	1998	23	13.67	1991	.53	1989	7.6	7.2	2.9	1.2	.90	1.30	1.96	2.57	3.18	3.83	4.57	5.47	6.65	8.54	10.34
Feb	3.53	3.31	2.92	1969	15	8.17	1998	.22	1991	6.1	5.2	2.5	1.1	.78	1.11	1.63	2.10	2.56	3.06	3.62	4.29	5.17	6.58	7.90
Mar	4.26	3.68	4.85	1984	6	10.68	1980	.90	1999	6.4	5.7	3.0	1.3	1.17	1.58	2.19	2.73	3.25	3.80	4.41	5.13	6.07	7.54	8.91
Apr	2.84	2.30	3.85	1975	26	9.36	1975	.10	1990	4.8	4.1	2.0	.8	.32	.54	.93	1.33	1.75	2.22	2.78	3.47	4.40	5.94	7.45
May	3.46	2.91	3.77	1974	12	11.74	1976	.13	1993	6.9	6.0	2.7	.9	.58	.88	1.38	1.85	2.34	2.87	3.48	4.22	5.20	6.80	8.33
Jun	5.53	5.28	4.34	1965	26	12.29	1976	.67	1988	8.9	7.7	3.6	1.6	1.19	1.70	2.51	3.25	3.98	4.77	5.66	6.72	8.12	10.35	12.46
Jul	5.82	6.03	6.86	1966	1	11.04	1982	.95	1986	10.2	8.9	3.7	1.8	2.10	2.65	3.44	4.10	4.73	5.38	6.08	6.90	7.95	9.56	11.04
Aug	6.40	5.82	5.15	1969	14	12.17	1989	2.56	1987	9.7	8.4	4.2	2.2	2.52	3.11	3.95	4.65	5.30	5.97	6.70	7.54	8.60	10.23	11.72
Sep	3.99	4.31	4.12	1979	27	10.38	1979	.33	1990	7.5	6.5	2.7	1.1	.67	1.02	1.60	2.15	2.71	3.32	4.02	4.87	6.00	7.83	9.58
Oct	2.98	2.39	6.50	1989	18	10.29	1994	.00	1987	4.4	3.7	1.5	.6	.09	.30	.70	1.13	1.60	2.15	2.81	3.64	4.79	6.74	8.67
Nov	2.42	1.79	4.42	1986	17	7.72	1986	.00	1998	4.8	4.2	1.8	.6	.24	.53	.93	1.28	1.64	2.03	2.46	2.99	3.69	4.82	5.90
Dec	2.98	2.94	3.33	1964	4	6.58	1997	.23	1984	5.8	5.0	2.1	.8	.55	.82	1.26	1.66	2.07	2.51	3.02	3.63	4.44	5.74	6.98
Ann	48.70	48.71	6.86	Jul 1966	1	13.67	Jan 1991	.00+	Nov 1998	83.1	72.6	32.7	14.0	36.64	39.03	42.05	44.33	46.34	48.27	50.26	52.44	55.08	58.87	62.14

+ 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: JESUP 8 S, GA

COOP ID: 094676

Climate Division: GA 9

NWS Call Sign:

Elevation: 100 Feet

Lat: 31°30N

Lon: 81°52W

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	.0	.0	0	0	.3	1977	18	.3+	1977	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.2	.0	0	0	4.0	1973	10	4.0	1973	0	0	0	0	0	.1	@	@	.0	.0	.0	.0	.0	.0
Mar	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.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	.0	.0	#	0	.0	0	0	.0	0	3	1989	31	#	1989	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.2	.0	N/A	N/A	4.0	Feb 1973	10	4.0	Feb 1973	3	Dec 1989	31	#	Dec 1989	.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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Lat: 31°30N

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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	4/21	4/15	4/11	4/08	4/05	4/02	3/29	3/25	3/20
32	4/02	3/28	3/24	3/21	3/18	3/15	3/12	3/09	3/04
28	3/21	3/13	3/08	3/04	2/27	2/23	2/19	2/14	2/06
24	3/03	2/21	2/15	2/09	2/03	1/29	1/23	1/16	1/04
20	2/21	2/11	2/03	1/26	1/19	1/10	12/28	0/00	0/00
16	1/25	1/11	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	10/12	10/19	10/23	10/27	10/31	11/04	11/07	11/12	11/18
32	10/25	10/31	11/05	11/09	11/13	11/17	11/21	11/25	12/02
28	11/03	11/13	11/20	11/26	12/02	12/08	12/14	12/21	12/31
24	11/23	12/02	12/09	12/15	12/20	12/26	1/01	1/08	1/19
20	12/14	12/24	12/31	1/06	1/13	1/20	1/31	0/00	0/00
16	1/05	1/19	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	235	226	219	214	208	203	197	190	181
32	263	255	249	244	239	234	229	223	215
28	315	302	293	284	277	269	261	252	239
24	>365	352	334	324	316	308	300	292	280
20	>365	>365	>365	>365	>365	360	339	325	310
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

Complete documentation available from:

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**Climate Division: GA 9      NWS Call Sign:      Elevation: 100 Feet    Lat: 31°30N    Lon: 81°52W**

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	465	330	194	63	4	0	0	0	1	73	211	404	1745
60	342	211	102	17	0	0	0	0	0	27	122	275	1096
57	276	154	61	6	0	0	0	0	0	13	80	212	802
55	238	122	40	3	0	0	0	0	0	8	57	175	643
50	156	58	12	0	0	0	0	0	0	1	21	98	346
32	12	0	0	0	0	0	0	0	0	0	0	2	14

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	589	603	866	1013	1268	1401	1540	1500	1332	1096	828	637	12673
55	103	81	194	325	555	711	827	787	642	391	195	97	4908
57	79	57	152	268	493	651	765	725	582	335	158	71	4336
60	51	30	100	189	400	561	672	632	492	256	110	42	3535
65	4	10	38	85	249	411	517	477	343	146	49	16	2345
70	3	0	11	24	121	265	362	322	202	67	17	4	1398

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	359	412	628	777	1028	1166	1299	1254	1104	855	595	410	359	771	1399	2176	3204	4370	5669	6923	8027	8882	9477	9887
45	237	284	476	627	873	1016	1144	1099	954	700	446	276	237	521	997	1624	2497	3513	4657	5756	6710	7410	7856	8132
50	138	177	334	478	718	866	989	944	804	545	310	170	138	315	649	1127	1845	2711	3700	4644	5448	5993	6303	6473
55	70	94	205	333	563	716	834	789	654	394	197	96	70	164	369	702	1265	1981	2815	3604	4258	4652	4849	4945
60	30	42	105	202	410	566	679	634	504	258	106	45	30	72	177	379	789	1355	2034	2668	3172	3430	3536	3581
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	228	273	411	513	687	789	875	861	757	575	385	264	228	501	912	1425	2112	2901	3776	4637	5394	5969	6354	6618

(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](http://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](http://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 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.

- |   |   |
|---|---|
| <ol style="list-style-type: none"><li>a. Temperature/ Precipitation Tables<ol style="list-style-type: none"><li>1. 1971-2000 Monthly Normals</li><li>2. Cooperative Summary of the Day</li><li>3. National Weather Service station records</li><li>4. 1971-2000 serially complete daily data</li></ol></li><li>b. Degree Day Table<ol style="list-style-type: none"><li>1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals</li><li>2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data</li></ol></li></ol> | <ol style="list-style-type: none"><li>c. Snow Tables<ol style="list-style-type: none"><li>1. Snow Climatology</li><li>2. Cooperative Summary of the Day</li></ol></li><li>d. Freeze Data Table<br/>1971-2000 serially complete daily data</li></ol> |
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## References

U.S. Climate Normals 1971-2000, [www.ncdc.noaa.gov/normal.html](http://www.ncdc.noaa.gov/normal.html)  
U.S. Climate Normals 1971-2000-Products Clim20, [www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html)  
Snow Climatology Project Description, [www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html](http://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](http://www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf)