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: DALLAS 7 NE, GA **COOP ID: 092485**

Climate Division: GA 1 **NWS Call Sign:** **Elevation: 1,100 Feet** **Lat: 33˚59N** **Lon: 84˚45W**

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	50.2	28.5	39.4	78	1999	28	50.4	1974	-12	1985	21	27.5	1977	795	0	.0	.0	16.7	2.0	20.4	.3
Feb	55.3	30.9	43.1	80+	1989	16	50.0	1990	-2+	1996	6	35.1	1978	613	0	.0	.0	19.0	.9	16.7	.1
Mar	63.7	38.1	50.9	86+	1995	24	57.2	1997	7	1960	5	45.2	1996	441	4	.0	.0	27.4	.1	9.7	.0
Apr	72.3	44.7	58.5	93	1986	28	64.1	1981	21	1987	1	53.5	1983	213	18	.0	.1	29.6	.0	3.4	.0
May	79.2	53.7	66.5	96	1996	25	71.5	1987	32	1966	10	61.7	1973	74	119	.0	1.3	31.0	.0	.0	.0
Jun	85.8	61.9	73.9	101	1988	27	77.3	1998	40	1984	1	69.2	1974	4	270	.1	8.8	30.0	.0	.0	.0
Jul	89.3	66.4	77.9	104	1980	18	81.9	1993	50	1967	15	74.8	1984	0	398	.5	15.8	31.0	.0	.0	.0
Aug	88.1	65.2	76.7	103+	1983	23	80.0	1983	48	1968	30	73.5	1992	0	361	.5	12.8	31.0	.0	.0	.0
Sep	82.6	58.7	70.7	99	1970	2	75.1	1998	30	1967	30	65.2	1974	21	190	.0	4.9	30.0	.0	.0	.0
Oct	73.0	46.2	59.6	92	1971	1	66.4	1984	22+	1965	25	53.5	1987	207	39	.0	.1	30.8	.0	2.3	.0
Nov	63.0	38.2	50.6	86	1968	1	59.9	1985	9	1970	25	43.3	1976	436	4	.0	.0	26.8	@	10.2	.0
Dec	53.5	31.3	42.4	79	1984	19	50.8	1971	-4	1962	13	34.1	1989	701	0	.0	.0	20.0	1.0	18.6	.1
Ann	71.3	47.0	59.2	104	Jul 1980	18	81.9	Jul 1993	-12	Jan 1985	21	27.5	Jan 1977	3505	1403	1.1	43.8	323.3	4.0	81.3	.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/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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

Issue Date: February 2004

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: DALLAS 7 NE, GA **COOP ID: 092485**

Climate Division: GA 1 **NWS Call Sign:** **Elevation: 1,100 Feet** **Lat: 33˚59N** **Lon: 84˚45W**

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	5.82	5.42	3.95	1996	27	10.30	1974	.81	1981
Feb	5.08	5.09	6.20	1982	3	9.91	1982	.83	1978
Mar	5.94	4.99	4.96	1990	17	12.79	1980	1.70	1985
Apr	4.50	4.03	4.20	1971	24	13.21	1979	.38	1986
May	4.32	4.06	5.95	1981	27	9.34	1984	1.08	1988
Jun	4.25	4.12	5.44	1949	16	10.38	1989	.27	1988
Jul	4.59	4.45	4.26	1989	17	10.03	1971	.79	1993
Aug	4.40	3.82	5.50	1995	27	9.67	1996	.69	1999
Sep	3.60	3.36	3.80	1997	25	8.53	1997	.64	1984
Oct	3.38	3.41	4.18	1977	9	9.58	1995	.33	1991
Nov	4.21	3.96	3.56	1991	22	9.14	1992	1.28	1981
Dec	4.34	3.90	4.60	1983	6	12.44	1983	.45	1980
Ann	54.43	56.65	6.20	Feb 1982	3	13.21	Apr 1979	.27	Jun 1988

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	12.8	8.9	4.2	1.8
Feb	10.2	6.8	3.7	1.8
Mar	11.8	8.4	3.5	1.8
Apr	9.4	6.6	3.2	1.3
May	10.2	6.6	2.6	1.1
Jun	10.6	7.2	2.8	1.2
Jul	10.8	6.8	3.2	1.6
Aug	10.1	6.6	3.1	1.2
Sep	8.9	5.4	2.4	1.0
Oct	7.0	4.7	2.3	.8
Nov	10.3	6.5	3.0	1.4
Dec	11.9	7.5	3.2	1.2
Ann	124.0	82.0	37.2	16.2

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	2.23	2.77	3.54	4.18	4.79	5.42	6.09	6.87	7.86	9.39	10.78
Feb	1.81	2.29	2.98	3.56	4.12	4.69	5.31	6.03	6.96	8.38	9.70
Mar	2.08	2.64	3.45	4.14	4.80	5.47	6.20	7.06	8.16	9.85	11.41
Apr	.94	1.35	2.01	2.61	3.22	3.87	4.60	5.47	6.63	8.48	10.23
May	1.29	1.70	2.32	2.85	3.36	3.90	4.49	5.18	6.08	7.48	8.78
Jun	1.15	1.55	2.16	2.70	3.23	3.78	4.40	5.12	6.07	7.56	8.95
Jul	1.26	1.69	2.35	2.93	3.50	4.09	4.75	5.53	6.54	8.14	9.62
Aug	1.46	1.88	2.49	3.01	3.51	4.03	4.59	5.25	6.10	7.42	8.63
Sep	.80	1.13	1.66	2.13	2.61	3.12	3.68	4.36	5.26	6.68	8.03
Oct	.58	.88	1.37	1.83	2.31	2.82	3.41	4.12	5.07	6.61	8.08
Nov	1.72	2.11	2.65	3.10	3.52	3.95	4.41	4.94	5.61	6.64	7.58
Dec	1.10	1.51	2.14	2.70	3.25	3.83	4.48	5.25	6.25	7.84	9.33
Ann	39.96	42.80	46.41	49.14	51.55	53.88	56.28	58.92	62.11	66.73	70.71

\+ 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: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Services

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: DALLAS 7 NE, GA **COOP ID: 092485**

Climate Division: GA 1 **NWS Call Sign:** **Elevation: 1,100 Feet** **Lat: 33°59N** **Lon: 84°45W**

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	1.3	.0	#	#	10.5	1987	22	11.5	1987	8	1987	22	1	1987	.9	.5	.1	.1	@	1.1	.2	.2	.0
Feb	.7	.0	#	0	3.0	1985	12	4.8	1979	3	1985	12	#+	2000	.8	.4	@	.0	.0	.5	.1	.0	.0
Mar	1.0	.0	#	0	15.0	1993	13	17.5	1993	9	1993	14	1	1993	.3	.2	.1	@	@	.3	.2	.1	.0
Apr	.2	.0	#	0	3.5	1987	4	4.5	1987	2	1987	4	#	1987	.1	.1	@	.0	.0	.1	.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	.1	.0	#	0	1.3	1975	23	1.5	1975	1	1975	23	#+	2000	.1	@	.0	.0	.0	@	.0	.0	.0
Dec	.2	.0	#	0	1.5	1997	29	1.8	1989	1+	2000	20	#+	2000	.4	.1	.0	.0	.0	.2	.0	.0	.0
Ann	3.5	.0	N/A	N/A	15.0	Mar 1993	13	17.5	Mar 1993	9	Mar 1993	14	1+	Mar 1993	2.6	1.3	.2	.1	@	2.2	.5	.3	.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:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: DALLAS 7 NE, GA **COOP ID: 092485**

Climate Division: GA 1 **NWS Call Sign:** **Elevation: 1,100 Feet** **Lat: 33˚59N** **Lon: 84˚45W**

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	5/06	5/01	4/28	4/25	4/22	4/19	4/16	4/12	4/07
32	4/24	4/20	4/17	4/14	4/12	4/09	4/06	4/03	3/30
28	4/14	4/08	4/04	4/01	3/29	3/26	3/22	3/19	3/13
24	3/31	3/23	3/18	3/13	3/09	3/05	2/28	2/23	2/16
20	3/16	3/08	3/02	2/25	2/20	2/15	2/10	2/04	1/27
16	3/04	2/23	2/17	2/11	2/06	2/01	1/27	1/21	1/12

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	10/03	10/07	10/10	10/12	10/15	10/17	10/19	10/22	10/26
32	10/10	10/15	10/18	10/21	10/24	10/27	10/30	11/03	11/08
28	10/21	10/27	11/01	11/04	11/08	11/11	11/15	11/20	11/26
24	11/09	11/15	11/18	11/22	11/25	11/28	12/01	12/05	12/11
20	11/19	11/28	12/05	12/11	12/16	12/21	12/27	1/02	1/12
16	12/04	12/13	12/19	12/25	12/30	1/04	1/09	1/16	1/25

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	191	185	181	178	175	172	169	165	160
32	212	206	202	198	195	191	188	183	177
28	246	238	233	228	223	219	214	208	201
24	280	273	268	264	260	256	252	247	240
20	327	316	308	302	296	291	285	278	268
16	>365	351	338	330	322	315	308	300	289

***** 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:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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: DALLAS 7 NE, GA **COOP ID: 092485**

Climate Division: GA 1 **NWS Call Sign:** **Elevation: 1,100 Feet** **Lat: 33˚59N** **Lon: 84˚45W**

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	795	613	441	213	74	4	0	0	21	207	436	701	3505
60	649	474	301	108	25	0	0	0	4	111	299	553	2524
57	562	395	226	64	11	0	0	0	1	70	227	466	2022
55	505	342	183	41	6	0	0	0	0	49	184	410	1720
50	373	222	97	10	0	0	0	0	0	16	100	283	1101
32	69	12	0	0	0	0	0	0	0	0	1	31	113

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	297	323	586	795	1068	1257	1421	1384	1160	856	559	352	10058
55	20	9	56	146	360	567	708	671	470	191	53	18	3269
57	14	5	37	109	303	507	646	609	411	151	35	13	2840
60	9	0	18	64	225	417	553	516	324	99	18	7	2250
65	0	0	4	18	119	270	398	361	190	39	4	0	1403
70	0	0	0	3	48	141	247	211	87	11	0	0	748

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	124	180	368	566	833	1028	1183	1149	930	622	346	169	124	304	672	1238	2071	3099	4282	5431	6361	6983	7329	7498
45	62	101	243	421	678	878	1028	994	780	469	223	95	62	163	406	827	1505	2383	3411	4405	5185	5654	5877	5972
50	27	50	143	288	523	728	873	839	630	321	129	47	27	77	220	508	1031	1759	2632	3471	4101	4422	4551	4598
55	7	15	69	178	368	578	718	684	480	197	61	21	7	22	91	269	637	1215	1933	2617	3097	3294	3355	3376
60	0	2	24	89	231	428	563	529	336	98	19	1	0	2	26	115	346	774	1337	1866	2202	2300	2319	2320
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	81	130	241	369	542	696	809	786	621	399	224	113	81	211	452	821	1363	2059	2868	3654	4275	4674	4898	5011

(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