

Climatology of the United States

No. 20

1971-2000

Station: FITZGERALD, GA

COOP ID: 093386

Climate Division: GA 8

NWS Call Sign:

Elevation: 370 Feet Lat: 31°43N Lon: 83°15W

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	58.6	38.0	48.3	84	1949	11	61.9	1974	4	1966	30	39.1	1977	530	0	.0	.0	25.3	.2	9.2	@
Feb	62.9	40.3	51.6	84+	1989	17	58.0	1990	12	1958	18	42.4	1978	380	4	.0	.0	25.2	.1	5.9	.0
Mar	70.1	46.8	58.5	90+	1963	18	64.8	1997	17	1980	3	52.6	1971	230	27	.0	.0	30.2	.0	1.2	.0
Apr	77.1	53.2	65.2	94	1986	28	69.4	1999	33+	1987	1	60.9	1993	75	78	.0	.7	30.0	.0	.0	.0
May	84.1	61.6	72.9	100	1962	28	76.2	1998	44+	1984	31	69.5	1997	5	249	.0	4.9	31.0	.0	.0	.0
Jun	89.5	68.6	79.1	104+	1954	28	82.7	1998	48	1984	1	75.3	1997	0	422	.2	16.0	30.0	.0	.0	.0
Jul	92.1	71.7	81.9	106	1952	24	85.2	1986	59	1983	29	79.0	1984	0	524	.7	23.9	31.0	.0	.0	.0
Aug	90.9	70.9	80.9	102+	1999	15	84.3	1999	57+	1986	31	77.1	1992	0	492	.4	21.0	31.0	.0	.0	.0
Sep	86.5	66.1	76.3	102	1951	5	80.2	1980	41+	1981	19	72.1	1992	1	341	.0	10.9	30.0	.0	.0	.0
Oct	78.1	55.2	66.7	97	1954	5	72.5	1984	29	1952	30	61.1	1987	72	123	.0	1.2	31.0	.0	@	.0
Nov	69.5	46.8	58.2	92+	2000	9	66.2	1985	19	1970	24	51.1	1976	236	31	.0	.1	29.7	.0	1.5	.0
Dec	61.4	40.1	50.8	83	1978	4	58.8	1984	7	1962	13	42.2	1989	452	10	.0	.0	26.9	.1	6.8	.0
Ann	76.7	54.9	65.9	106	Jul 1952	24	85.2	Jul 1986	4	Jan 1966	30	39.1	Jan 1977	1981	2301	1.3	78.7	351.3	.4	24.6	@

+ 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: 1948-2001

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

034-A

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: FITZGERALD, GA

COOP ID: 093386

Climate Division: GA 8

NWS Call Sign:

Elevation: 370 Feet Lat: 31°43N

Lon: 83°15W

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	4.93	4.27	3.78	1967	1	11.06	1991	1.05	1989	9.8	7.3	3.2	1.7	1.56	2.03	2.72	3.32	3.89	4.48	5.13	5.90	6.88	8.41	9.83
Feb	3.89	3.37	3.33	1960	13	7.37	1986	.61	1991	7.5	5.5	2.8	1.3	1.17	1.54	2.09	2.57	3.03	3.51	4.04	4.66	5.47	6.73	7.90
Mar	4.88	4.63	3.42	1987	1	9.91	1991	1.20	1979	8.7	6.9	3.4	1.5	1.53	1.99	2.68	3.27	3.84	4.43	5.08	5.84	6.82	8.35	9.76
Apr	2.98	2.42	3.98	1961	15	8.90	1973	.18	1986	5.9	4.3	1.8	.8	.37	.60	1.02	1.44	1.88	2.37	2.94	3.64	4.59	6.16	7.67
May	3.04	2.89	4.40	1987	22	7.28	1976	.00	2000	6.9	4.9	2.1	.8	.59	1.01	1.52	1.94	2.33	2.74	3.20	3.73	4.41	5.49	6.48
Jun	4.42	3.82	3.59	1994	16	10.13	1994	1.14	1982	9.8	7.3	3.0	1.2	1.57	1.99	2.59	3.10	3.58	4.08	4.61	5.24	6.05	7.29	8.42
Jul	4.23	3.90	3.67	1978	16	10.64	1975	.95+	1987	9.9	7.0	3.1	1.0	1.20	1.60	2.21	2.74	3.25	3.79	4.39	5.09	6.00	7.43	8.76
Aug	4.53	3.90	5.82	1970	26	10.29	1992	1.01	2000	10.3	7.4	3.2	1.3	1.56	1.99	2.61	3.14	3.64	4.16	4.73	5.39	6.23	7.54	8.74
Sep	3.42	2.89	5.33	1997	27	8.73	2000	.21	1991	7.7	5.1	2.1	1.2	.34	.58	1.05	1.53	2.04	2.63	3.31	4.17	5.35	7.31	9.22
Oct	2.40	2.21	3.66	1990	12	8.58	1990	.02	1987	4.9	3.4	1.5	.8	.12	.24	.52	.84	1.21	1.65	2.19	2.88	3.87	5.56	7.26
Nov	3.13	2.80	5.40	1985	22	8.12	1986	.27	1991	6.6	4.5	2.1	.8	.34	.57	1.01	1.44	1.91	2.43	3.05	3.82	4.86	6.59	8.28
Dec	3.49	3.31	3.11	1959	18	9.22	1997	.67	1984	7.7	5.1	2.2	1.2	.98	1.32	1.82	2.25	2.68	3.13	3.62	4.20	4.96	6.15	7.25
Ann	45.34	44.42	5.82	Aug 1970	26	11.06	Jan 1991	.00	May 2000	95.7	68.7	30.5	13.6	32.48	34.97	38.17	40.59	42.74	44.81	46.96	49.32	52.19	56.35	59.94

+ 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

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Station: FITZGERALD, GA

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Climate Division: GA 8

NWS Call Sign:

Elevation: 370 Feet

Lat: 31°43N

Lon: 83°15W

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	.1	.0	0	0	2.0	1977	31	2.0	1977	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	0	#	1975	5	#	1975	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	.5	1983	21	.5	1983	2	1989	23	#	1989	@	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.1	.0	N/A	N/A	2.0	Jan 1977	31	2.0	Jan 1977	2	Dec 1989	23	#	Dec 1989	@	@	.0	.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

Complete documentation available from:

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Elevation: 370 Feet

Lat: 31° 43N

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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	4/06	3/30	3/25	3/21	3/17	3/13	3/08	3/03	2/24
32	3/20	3/13	3/08	3/04	2/28	2/24	2/19	2/14	2/07
28	3/11	3/03	2/25	2/20	2/15	2/10	2/05	1/30	1/22
24	2/28	2/19	2/13	2/07	2/02	1/28	1/21	1/12	0/00
20	2/19	2/09	2/01	1/24	1/15	12/31	0/00	0/00	0/00
16	1/21	1/08	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	10/29	11/03	11/07	11/10	11/13	11/16	11/19	11/22	11/27
32	11/01	11/09	11/16	11/21	11/26	12/01	12/06	12/12	12/20
28	11/28	12/06	12/13	12/18	12/23	12/29	1/03	1/09	1/18
24	12/12	12/23	12/31	1/07	1/13	1/20	1/28	2/08	0/00
20	12/24	1/03	1/11	1/19	1/28	2/13	0/00	0/00	0/00
16	1/04	1/16	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	267	258	251	246	241	235	230	224	215
32	298	288	281	275	270	265	259	252	242
28	343	330	322	315	309	303	296	288	278
24	>365	>365	>365	>365	345	333	324	314	303
20	>365	>365	>365	>365	>365	>365	>365	344	329
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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Elevation: 370 Feet Lat: 31°43N Lon: 83°15W

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	530	380	230	75	5	0	0	0	1	72	236	452	1981
60	393	252	127	23	0	0	0	0	0	25	137	315	1272
57	319	186	80	9	0	0	0	0	0	11	91	244	940
55	275	148	55	4	0	0	0	0	0	6	66	203	757
50	184	75	18	0	0	0	0	0	0	1	24	120	422
32	15	0	0	0	0	0	0	0	0	0	0	3	18

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	521	548	819	993	1267	1412	1547	1515	1330	1074	785	585	12396
55	68	52	162	307	554	722	834	802	640	367	161	72	4741
57	51	34	124	252	492	662	772	740	580	310	126	51	4194
60	31	16	78	176	399	572	679	647	490	231	81	29	3429
65	0	4	27	78	249	422	524	492	341	123	31	10	2301
70	0	0	7	22	122	273	369	337	200	50	9	0	1389

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	320	383	608	778	1038	1181	1309	1280	1104	850	580	379	320	703	1311	2089	3127	4308	5617	6897	8001	8851	9431	9810
45	201	261	457	629	883	1031	1154	1125	954	695	431	252	201	462	919	1548	2431	3462	4616	5741	6695	7390	7821	8073
50	113	156	318	481	728	881	999	970	804	541	295	151	113	269	587	1068	1796	2677	3676	4646	5450	5991	6286	6437
55	57	86	191	337	573	731	844	815	654	388	179	81	57	143	334	671	1244	1975	2819	3634	4288	4676	4855	4936
60	23	33	103	206	420	581	689	660	504	247	92	38	23	56	159	365	785	1366	2055	2715	3219	3466	3558	3596
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	182	227	375	497	708	819	904	889	765	556	360	226	182	409	784	1281	1989	2808	3712	4601	5366	5922	6282	6508

(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