

Climatography of the United States No. 20

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

Station: DE FUNIAK SPRINGS, FL

1971-2000

COOP ID: 082220

Climate Division: FL 1

NWS Call Sign:

Elevation: 230 Feet

Lat: 30°44N

Lon: 86°04W

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	60.8	36.7	48.8	84	1937	23	62.7	1974	3	1985	21	39.9	1978	516	0	.0	.0	27.8	.1	11.4	.0
Feb	64.9	39.9	52.4	86+	1962	27	57.3	1990	11	1958	18	43.2	1978	358	6	.0	.0	26.8	.2	6.8	.0
Mar	71.3	45.9	58.6	90+	1982	18	66.7	1997	19	1980	3	53.3	1971	228	29	.0	@	30.7	.0	2.6	.0
Apr	78.0	51.7	64.9	95+	1987	22	71.2	1999	21	1931	4	61.1	1983	76	70	.0	.6	30.0	.0	.3	.0
May	84.6	60.1	72.4	102	1953	27	77.7	1998	35	1971	4	68.5	1981	11	239	.0	6.5	31.0	.0	.0	.0
Jun	89.8	67.1	78.5	104+	1985	6	83.9	1998	43	1966	1	75.5	1976	0	402	.4	19.0	30.0	.0	.0	.0
Jul	91.4	70.2	80.8	105+	1980	14	84.3	2000	54	1967	18	78.1	1988	0	490	.9	22.9	31.0	.0	.0	.0
Aug	91.1	69.5	80.3	104+	1954	13	84.0	1999	55	1969	26	78.6	1992	0	474	.4	22.2	31.0	.0	.0	.0
Sep	87.6	65.2	76.4	101	1954	4	79.2	1997	35	1967	30	72.8+	1981	1	344	.0	13.4	30.0	.0	.0	.0
Oct	79.6	52.8	66.2	97+	1954	6	71.1	1998	28+	1981	20	59.1	1987	84	121	.0	1.8	31.0	.0	.4	.0
Nov	70.7	44.9	57.8	89+	1961	1	64.6	1985	16	1970	25	50.1	1976	245	28	.0	.0	29.7	.0	3.5	.0
Dec	62.8	39.2	51.0	83+	1978	7	61.8	1984	5	1962	13	43.3	1989	448	14	.0	.0	28.6	@	8.7	.0
Ann	77.7	53.6	65.7	105+	Jul 1980	14	84.3	Jul 2000	3	Jan 1985	21	39.9	Jan 1978	1967	2217	1.7	86.4	357.6	.3	33.7	.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/normal/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1931-2001

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

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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	5.61	5.42	7.13	1942	1	10.99	1991	1.51	1981	9.9	7.2	4.1	2.1	2.31	2.82	3.54	4.14	4.70	5.27	5.88	6.59	7.48	8.85	10.09
Feb	5.39	4.43	6.25	1982	3	12.13	1979	1.34	1977	8.4	6.1	3.0	1.7	1.42	1.93	2.71	3.40	4.07	4.79	5.57	6.51	7.73	9.65	11.45
Mar	6.23	5.92	5.99	1947	7	12.68	1980	2.50	1974	8.7	6.9	4.1	2.5	3.09	3.61	4.33	4.91	5.44	5.97	6.53	7.17	7.97	9.18	10.25
Apr	3.93	3.58	7.12	1948	1	8.63	1973	.25	1986	6.0	4.7	2.6	1.2	.53	.85	1.41	1.95	2.53	3.16	3.90	4.80	6.02	8.02	9.95
May	4.95	5.11	6.25	1975	31	11.04	1975	.19	2000	8.3	5.9	3.2	1.4	.66	1.06	1.77	2.46	3.18	3.98	4.91	6.05	7.59	10.11	12.55
Jun	6.60	4.89	10.55	1989	8	19.83	1989	1.84	1998	11.9	8.9	4.1	1.9	1.55	2.17	3.13	4.00	4.85	5.76	6.78	8.00	9.59	12.12	14.50
Jul	7.67	6.38	11.44	1975	30	26.44	1975	.77	1983	15.6	12.2	4.8	2.1	2.01	2.73	3.84	4.82	5.78	6.80	7.92	9.25	10.99	13.74	16.30
Aug	6.77	6.22	9.26	1950	31	16.14	1977	.89	1989	14.1	10.4	3.8	1.9	2.11	2.75	3.71	4.52	5.32	6.14	7.04	8.10	9.47	11.59	13.56
Sep	6.03	4.88	7.73	1998	29	26.90	1998	.18	1995	8.2	6.1	2.9	1.6	.61	1.05	1.87	2.71	3.62	4.64	5.85	7.35	9.41	12.84	16.18
Oct	3.23	3.13	7.01	1967	30	8.79	1976	.06	1978	4.3	2.9	1.6	1.0	.14	.30	.66	1.09	1.58	2.18	2.92	3.87	5.23	7.57	9.93
Nov	4.76	4.08	6.72	1989	8	12.54	1992	1.32	1981	7.0	4.7	2.5	1.5	1.07	1.52	2.21	2.84	3.47	4.13	4.88	5.77	6.95	8.82	10.58
Dec	4.35	3.96	6.40	1964	25	10.54	1982	.68	1980	8.2	5.7	2.9	1.3	1.40	1.81	2.42	2.94	3.44	3.96	4.53	5.19	6.05	7.39	8.62
Ann	65.52	65.16	11.44	Jul 1975	30	26.90	Sep 1998	.06	Oct 1978	110.6	81.7	39.6	20.2	44.90	48.83	53.90	57.77	61.22	64.57	68.04	71.89	76.57	83.38	89.30

+ 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: 1931-2001

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

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Lat: 30°44N

Lon: 86°04W

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	#	1982	14	#+	1982	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.1	.0	#	0	2.0	1973	9	2.0	1973	2	1973	9	#	1973	@	@	.0	.0	.0	@	.0	.0	.0
Mar	#	.0	0	0	#	1980	2	#	1980	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	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.1	.0	N/A	N/A	2.0	Feb 1973	9	2.0	Feb 1973	2	Feb 1973	9	#	Feb 1973	@	@	.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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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	4/14	4/09	4/04	3/31	3/27	3/22	3/17	3/10
32	4/08	3/31	3/25	3/19	3/14	3/09	3/04	2/26	2/17
28	3/27	3/17	3/10	3/05	2/27	2/22	2/16	2/09	1/30
24	3/06	2/26	2/20	2/15	2/09	2/04	1/28	1/19	0/00
20	2/19	2/09	2/01	1/25	1/18	1/10	12/31	0/00	0/00
16	1/26	1/16	1/04	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	10/06	10/15	10/21	10/27	11/01	11/06	11/11	11/17	11/26
32	10/18	10/28	11/03	11/09	11/14	11/20	11/26	12/02	12/12
28	10/29	11/10	11/19	11/26	12/03	12/10	12/18	12/26	1/07
24	11/23	12/05	12/14	12/21	12/29	1/06	1/16	1/30	0/00
20	12/14	12/21	12/26	12/31	1/05	1/10	1/17	0/00	0/00
16	12/31	1/12	1/28	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	255	241	231	222	214	206	197	187	173
32	284	270	260	252	244	236	228	218	205
28	319	300	289	281	274	267	259	251	239
24	>365	>365	340	322	313	305	297	289	278
20	>365	>365	>365	>365	349	338	328	319	307
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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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	516	358	228	76	11	0	0	0	1	84	245	448	1967
60	389	233	127	22	1	0	0	0	0	33	144	315	1264
57	318	170	81	8	0	0	0	0	0	16	97	247	937
55	276	135	56	4	0	0	0	0	0	9	71	208	759
50	188	65	18	0	0	0	0	0	0	2	27	126	426
32	17	0	0	0	0	0	0	0	0	0	0	5	22

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	536	572	824	984	1251	1392	1513	1497	1333	1060	773	594	12329
55	81	62	167	298	538	702	800	784	643	356	154	84	4669
57	62	42	130	242	476	642	738	722	583	301	120	61	4119
60	40	21	83	166	384	552	645	629	493	225	77	36	3351
65	0	6	29	70	239	402	490	474	344	121	28	14	2217
70	0	0	8	18	121	254	335	319	202	50	9	2	1318

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	351	413	627	776	1034	1175	1282	1260	1109	847	575	412	351	764	1391	2167	3201	4376	5658	6918	8027	8874	9449	9861
45	231	286	476	626	879	1025	1127	1105	959	692	430	280	231	517	993	1619	2498	3523	4650	5755	6714	7406	7836	8116
50	134	176	333	476	724	875	972	950	809	537	293	177	134	310	643	1119	1843	2718	3690	4640	5449	5986	6279	6456
55	69	92	204	329	569	725	817	795	659	385	179	97	69	161	365	694	1263	1988	2805	3600	4259	4644	4823	4920
60	30	42	107	198	414	575	662	640	509	248	92	47	30	72	179	377	791	1366	2028	2668	3177	3425	3517	3564
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	227	270	410	514	701	801	874	865	760	571	375	267	227	497	907	1421	2122	2923	3797	4662	5422	5993	6368	6635

(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.

- 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/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