

Climatology of the United States

No. 20

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

Station: CRESTVIEW BOB SIKES AP, FL

1971-2000

COOP ID: 081986

Climate Division: FL 1

NWS Call Sign: CEW

Elevation: 190 Feet

Lat: 30°47N

Lon: 86°31W

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	61.9	38.8	50.4	85	1949	11	63.3	1974	8	1981	13	41.3	1977	472	3	.0	.0	27.5	.1	9.6	.0
Feb	65.9	41.6	53.8	83+	1996	24	59.9	1990	10+	1996	5	45.4	1978	321	6	.0	.0	26.5	.1	5.9	.0
Mar	72.4	47.6	60.0	89	1995	23	66.5	1997	18	1980	3	55.1	1999	194	39	.0	.0	30.7	.0	2.4	.0
Apr	79.0	52.7	65.9	91+	1999	25	71.2	1991	30	1999	18	61.2	1993	57	83	.0	.6	30.0	.0	.2	.0
May	85.5	60.7	73.1	101	1996	23	76.6	2000	40+	1999	2	69.4	1976	5	256	@	6.0	31.0	.0	.0	.0
Jun	90.6	67.8	79.2	102+	1952	27	83.3	1998	52	1995	14	76.6	1976	0	426	.2	18.3	30.0	.0	.0	.0
Jul	92.2	71.1	81.7	105	1980	14	84.2	1981	61+	1994	30	78.8	1994	0	517	1.0	23.1	31.0	.0	.0	.0
Aug	92.0	70.8	81.4	103	1995	16	83.9	1999	56	1992	30	79.1	1992	0	508	.5	24.9	31.0	.0	.0	.0
Sep	88.4	67.0	77.7	98+	1989	2	80.7	1980	40	2001	27	74.8	1983	0	381	@	14.1	30.0	.0	.0	.0
Oct	80.4	55.1	67.8	94	1951	6	72.8	1985	28	2001	29	61.9	1987	58	143	.0	1.2	31.0	.0	.2	.0
Nov	71.4	46.2	58.8	87+	2000	1	65.4	1985	18	1950	25	50.1	1976	221	35	.0	.0	28.5	.0	3.3	.0
Dec	64.2	40.6	52.4	83	1951	7	61.1	1971	9	1989	24	45.8	1989	404	14	.0	.0	27.0	.2	8.8	.0
Ann	78.7	55.0	66.9	105	Jul 1980	14	84.2	Jul 1981	8	Jan 1981	13	41.3	Jan 1977	1732	2411	1.7	88.2	354.2	.4	30.4	.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: 1948-2001

(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	6.49	6.47	7.38	1978	25	17.13	1991	1.32	1981	10.6	7.7	4.3	2.2	2.40	3.01	3.89	4.61	5.31	6.02	6.79	7.68	8.82	10.58	12.18
Feb	4.91	5.24	6.34	1982	3	11.47	1982	1.30	1980	9.6	6.6	3.4	1.4	1.38	1.85	2.55	3.17	3.77	4.40	5.09	5.91	6.97	8.64	10.20
Mar	7.06	6.21	7.28	1990	17	13.58	1980	3.60	1997	10.3	7.5	4.0	2.3	3.34	3.96	4.80	5.48	6.11	6.74	7.41	8.18	9.14	10.59	11.90
Apr	4.26	4.12	4.57	1978	13	11.43	1983	.16	1999	7.3	4.2	2.0	.9	.56	.90	1.50	2.10	2.72	3.41	4.21	5.20	6.53	8.72	10.84
May	4.94	4.18	8.37	1995	10	13.58	1991	.00	1996	8.6	6.2	3.1	1.6	.45	1.02	1.83	2.55	3.29	4.09	5.00	6.10	7.57	9.95	12.23
Jun	7.41	7.05	11.44	1989	9	20.26	1989	2.48	1979	12.5	8.3	3.3	1.4	2.58	3.28	4.29	5.15	5.97	6.82	7.74	8.81	10.19	12.32	14.27
Jul	6.83	6.06	6.46	1994	7	19.35	1994	2.57	1980	15.8	11.4	4.8	2.0	2.46	3.10	4.03	4.81	5.55	6.31	7.14	8.10	9.33	11.23	12.97
Aug	6.34	6.17	5.21	1950	30	15.62	1977	1.08	1989	15.3	9.9	3.2	1.3	2.24	2.84	3.70	4.43	5.13	5.85	6.63	7.54	8.70	10.50	12.14
Sep	4.88	3.95	4.05	1951	10	13.73	1998	1.02	1984	10.2	6.5	3.1	1.3	1.25	1.71	2.42	3.05	3.66	4.31	5.03	5.89	7.01	8.78	10.44
Oct	3.02	2.42	6.43	1989	1	7.99	1989	.03	1978	5.1	3.4	1.6	.8	.22	.41	.79	1.20	1.67	2.20	2.84	3.66	4.79	6.70	8.59
Nov	4.20	3.16	5.26	1995	2	12.15	1995	.94	1990	8.7	6.3	2.8	1.4	1.05	1.44	2.06	2.60	3.13	3.70	4.33	5.08	6.06	7.61	9.07
Dec	3.60	3.33	3.12	1983	12	9.09	1982	.75	1980	9.6	6.0	2.4	1.1	1.11	1.46	1.96	2.40	2.82	3.26	3.74	4.30	5.03	6.17	7.22
Ann	63.94	63.87	11.44	Jun 1989	9	20.26	Jun 1989	.00	May 1996	123.6	84.0	38.0	17.7	49.08	52.04	55.79	58.60	61.07	63.45	65.89	68.57	71.79	76.43	80.40

+ 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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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	.0	.0	0	0	.1	1994	2	.1	1994	0	0	0	0	0	.1	.0	.0	.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	#	1989	23	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	#	.0	N/A	N/A	.1	Feb 1994	2	.1	Feb 1994	0	0	0	0	0	.1	.0	.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

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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	4/22	4/14	4/08	4/04	3/30	3/26	3/21	3/16	3/08
32	4/07	3/29	3/23	3/18	3/13	3/08	3/03	2/25	2/17
28	3/17	3/10	3/04	2/27	2/23	2/19	2/14	2/08	2/01
24	3/04	2/22	2/15	2/09	2/04	1/29	1/23	1/16	1/06
20	2/18	2/07	1/30	1/23	1/15	1/04	0/00	0/00	0/00
16	1/23	1/12	12/31	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	10/13	10/20	10/25	10/30	11/03	11/08	11/12	11/18	11/25
32	10/28	11/05	11/11	11/16	11/21	11/25	11/30	12/06	12/15
28	11/10	11/18	11/24	11/29	12/04	12/09	12/14	12/20	12/28
24	11/18	12/01	12/10	12/18	12/25	1/02	1/10	1/19	2/01
20	12/13	12/26	1/06	1/15	1/25	2/07	0/00	0/00	0/00
16	12/29	1/09	1/21	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	254	241	232	225	217	210	202	193	181
32	289	276	267	259	252	244	236	227	214
28	320	307	298	291	283	276	269	259	247
24	>365	362	340	328	319	310	301	291	278
20	>365	>365	>365	>365	>365	>365	347	330	317
16	>365	>365	>365	>365	>365	>365	>365	>365	350

* 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

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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	472	321	194	57	5	0	0	0	0	58	221	404	1732
60	349	198	101	14	0	0	0	0	0	19	125	273	1079
57	282	139	60	4	0	0	0	0	0	8	81	208	782
55	243	107	40	2	0	0	0	0	0	5	58	171	626
50	160	45	11	0	0	0	0	0	0	0	20	94	330
32	13	0	0	0	0	0	0	0	0	0	0	2	15

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	582	610	868	1017	1275	1416	1540	1531	1371	1108	804	634	12756
55	99	73	195	328	562	726	827	818	681	400	172	90	4971
57	76	49	153	271	500	666	765	756	621	342	135	65	4399
60	49	24	101	190	407	576	672	663	531	259	89	37	3598
65	3	6	39	83	256	426	517	508	381	143	35	14	2411
70	2	0	11	22	128	277	362	353	234	60	11	2	1462

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	355	426	630	788	1006	1144	1299	1281	1134	856	571	388	355	781	1411	2199	3205	4349	5648	6929	8063	8919	9490	9878
45	233	298	481	638	851	994	1144	1126	984	701	430	260	233	531	1012	1650	2501	3495	4639	5765	6749	7450	7880	8140
50	137	187	334	488	696	844	989	971	834	546	293	156	137	324	658	1146	1842	2686	3675	4646	5480	6026	6319	6475
55	69	103	206	343	541	694	834	816	684	397	190	84	69	172	378	721	1262	1956	2790	3606	4290	4687	4877	4961
60	30	48	108	209	386	544	679	661	534	254	102	40	30	78	186	395	781	1325	2004	2665	3199	3453	3555	3595
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	221	269	403	524	679	776	894	878	787	574	365	249	221	490	893	1417	2096	2872	3766	4644	5431	6005	6370	6619

(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