

# Climatography of the United States

No. 20

1971-2000

Station: JONESBORO, ME

COOP ID: 174183

Climate Division: ME 3

NWS Call Sign:

Elevation: 185 Feet Lat: 44° 39N Lon: 67° 39W

## 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	28.0	8.3	18.2	55	1950	5	26.7	1990	-25	1968	9	9.9	1982	1453	0	.0	.0	.9	18.3	29.8	9.6
Feb	30.9	10.7	20.8	62	1994	21	29.5	1984	-22	1962	2	12.4	1993	1238	0	.0	.0	.5	14.8	27.1	6.3
Mar	39.0	20.9	30.0	71	1998	30	36.3	2000	-13	1982	1	24.5	1972	1086	0	.0	.0	3.2	6.2	27.4	1.2
Apr	50.1	31.4	40.8	82	1957	22	44.1	1986	7	1969	1	36.6	1972	726	0	.0	.0	15.3	.5	17.5	.0
May	61.1	40.8	51.0	97	1992	23	54.9	1999	24+	1977	4	47.1	1974	437	0	.0	.1	28.4	.0	2.7	.0
Jun	69.4	49.0	59.2	94	1963	26	62.5	1995	31+	1973	18	55.8	1977	180	7	.0	.5	29.9	.0	.1	.0
Jul	74.9	54.6	64.8	98	1963	27	68.0	1994	36	1962	3	62.1	1992	58	50	.0	.5	31.0	.0	.0	.0
Aug	74.7	54.0	64.4	104	1975	3	67.0	1990	32	1965	31	60.6	1982	65	46	@	.6	31.0	.0	.0	.0
Sep	67.1	46.2	56.7	95	1960	9	64.6	1999	22+	1980	29	53.3	1986	257	5	.0	.2	29.9	.0	.9	.0
Oct	55.9	36.5	46.2	84	1968	17	51.6	1995	17+	1972	21	40.6	1974	582	0	.0	.0	25.5	.0	10.6	.0
Nov	44.8	28.3	36.6	73	1956	1	41.5	1999	1+	1978	28	32.2	1978	853	0	.0	.0	10.5	2.3	21.0	.0
Dec	33.7	15.2	24.5	64	1982	5	31.5	1973	-26	1989	31	7.5	1989	1257	0	.0	.0	2.3	11.9	29.2	4.1
Ann	52.5	33.0	42.8	104	Aug 1975	3	68.0	Jul 1994	-26	Dec 1989	31	7.5	Dec 1989	8192	108	@	1.9	208.4	54.0	166.3	21.2

+ 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: 1948-2001

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

018-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: JONESBORO, ME**

**COOP ID: 174183**

**Climate Division: ME 3**

**NWS Call Sign:**

**Elevation: 185 Feet Lat: 44°39N**

**Lon: 67°39W**

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	5.10	4.72	4.81	1998	25	12.53	1979	.97	1985	11.2	7.8	3.5	1.7	1.61	2.09	2.81	3.43	4.02	4.64	5.31	6.11	7.13	8.72	10.19
Feb	3.65	3.64	2.54	1988	13	7.18	1971	.96	1994	9.9	6.1	2.3	1.0	1.28	1.62	2.12	2.54	2.95	3.36	3.81	4.34	5.01	6.06	7.02
Mar	4.63	4.71	3.46	1972	23	8.44	1972	2.26	1988	12.0	7.9	3.2	1.2	2.17	2.57	3.13	3.58	3.99	4.41	4.86	5.36	6.00	6.97	7.84
Apr	4.56	4.17	5.40	1979	29	9.67	1979	.58	1999	11.7	7.7	3.0	1.1	1.69	2.12	2.73	3.24	3.73	4.23	4.77	5.39	6.19	7.43	8.55
May	4.54	4.27	3.61	1961	28	10.84	1989	.79	1982	12.4	7.5	3.2	1.2	1.08	1.50	2.17	2.76	3.35	3.97	4.67	5.50	6.59	8.32	9.94
Jun	3.73	3.53	2.60	1975	7	7.43	1977	1.31	1988	11.7	6.8	2.4	.8	1.26	1.61	2.13	2.57	2.99	3.42	3.90	4.45	5.16	6.26	7.27
Jul	3.64	3.50	3.87	1986	28	9.28	1986	1.35	1997	11.4	6.3	2.6	.8	1.26	1.61	2.11	2.53	2.93	3.35	3.80	4.33	5.00	6.05	7.01
Aug	3.13	2.94	2.58	1991	11	8.71	1991	.63	1996	10.0	5.4	2.1	.9	.79	1.08	1.54	1.94	2.34	2.76	3.23	3.78	4.51	5.65	6.73
Sep	4.06	3.48	4.20	1987	21	8.60	1987	1.31	1998	10.0	6.6	2.4	1.1	1.38	1.77	2.33	2.80	3.26	3.72	4.23	4.83	5.60	6.78	7.87
Oct	4.32	4.07	2.80	1976	21	8.57	1977	1.00	1974	10.9	7.5	2.9	1.3	1.49	1.90	2.50	3.00	3.48	3.98	4.52	5.14	5.95	7.20	8.35
Nov	5.05	4.68	3.19	1950	26	11.58	1983	1.68	1978	11.4	7.9	3.2	1.4	2.02	2.48	3.14	3.69	4.20	4.73	5.29	5.94	6.77	8.04	9.20
Dec	4.89	4.12	3.32	1967	4	8.73	1977	1.86	1988	12.6	8.4	3.5	1.3	1.83	2.29	2.94	3.49	4.01	4.54	5.12	5.79	6.64	7.95	9.15
Ann	51.30	49.84	5.40	Apr 1979	29	12.53	Jan 1979	.58	Apr 1999	135.2	85.9	34.3	13.8	39.20	41.61	44.66	46.95	48.97	50.91	52.90	55.08	57.72	61.50	64.75

+ 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:  
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**Station: JONESBORO, ME**

**COOP ID: 174183**

**Climate Division: ME 3**

**NWS Call Sign:**

**Elevation: 185 Feet**

**Lat: 44°39N**

**Lon: 67°39W**

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	16.1	15.5	6	4	13.0	1982	2	42.2	1987	33	1971	1	26	1971	5.8	4.7	2.4	1.1	.2	20.4	15.3	11.5	5.5
Feb	15.0	15.8	6	5	10.0	1974	12	31.0	1972	38	1987	12	33	1987	5.2	4.2	2.1	.9	.1	20.2	16.3	11.6	5.7
Mar	14.5	15.3	5	3	11.0	1998	15	32.0	1987	36	1987	22	28	1987	4.9	4.0	2.0	1.0	.2	18.0	12.8	9.9	4.0
Apr	5.1	2.5	1	#	8.0	1972	7	21.5	1972	15	1972	7	5	1972	2.2	1.8	.6	.3	.0	4.7	2.6	1.6	.3
May	#	.0	#	0	#	1992	6	#+	1992	#+	1992	6	#+	1992	.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	.2	.0	#	0	2.0	1988	9	2.0+	2000	2	1988	9	#+	2000	.1	.1	.0	.0	.0	.1	.0	.0	.0
Nov	3.0	2.0	#	#	9.0	1980	19	16.0	1987	10	1987	27	2	1989	1.6	1.2	.4	.2	.0	3.5	1.5	1.0	.1
Dec	10.7	7.8	3	2	10.0	1987	16	29.1	1972	17	1987	21	11	1989	5.0	4.0	1.7	.6	@	13.8	8.7	5.6	2.2
Ann	64.6	58.9	N/A	N/A	13.0	Jan 1982	2	42.2	Jan 1987	38	Feb 1987	12	33	Feb 1987	24.8	20.0	9.2	4.1	.5	80.7	57.2	41.2	17.8

+ 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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**NWS Call Sign:**

**Elevation: 185 Feet**

**Lat: 44° 39N**

**Lon: 67° 39W**

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	6/11	6/06	6/02	5/29	5/26	5/23	5/19	5/15	5/09
32	5/30	5/25	5/20	5/17	5/14	5/10	5/07	5/03	4/27
28	5/09	5/04	5/01	4/29	4/26	4/24	4/21	4/18	4/13
24	4/26	4/22	4/19	4/16	4/14	4/11	4/09	4/06	4/01
20	4/17	4/12	4/08	4/06	4/03	3/31	3/28	3/25	3/20
16	4/10	4/05	4/02	3/30	3/28	3/25	3/22	3/19	3/14
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	9/10	9/14	9/17	9/20	9/22	9/25	9/27	10/01	10/05
32	9/21	9/25	9/28	10/01	10/03	10/05	10/07	10/10	10/14
28	9/29	10/04	10/07	10/10	10/13	10/15	10/18	10/22	10/26
24	10/13	10/19	10/23	10/27	10/30	11/03	11/06	11/11	11/17
20	10/30	11/04	11/07	11/10	11/13	11/15	11/18	11/22	11/26
16	11/09	11/13	11/16	11/19	11/21	11/24	11/26	11/29	12/04
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	138	132	127	123	119	115	111	106	99
32	160	153	149	145	141	138	134	129	123
28	188	182	177	173	169	165	161	156	149
24	221	213	208	203	199	194	190	184	177
20	244	237	232	227	223	219	215	209	202
16	257	250	246	242	238	234	230	226	219

\* 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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**NWS Call Sign:**

**Elevation: 185 Feet    Lat: 44° 39N    Lon: 67° 39W**

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	1453	1238	1086	726	437	180	58	65	257	582	853	1257	8192
60	1298	1098	931	576	285	70	8	11	133	428	703	1102	6643
57	1205	1014	838	486	200	31	1	2	79	338	613	1009	5816
55	1143	958	776	426	150	15	0	1	52	280	553	947	5301
50	988	818	621	278	56	1	0	0	13	154	403	792	4124
32	444	331	143	5	0	0	0	0	0	0	39	307	1269

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	14	18	79	269	586	817	1015	1004	738	441	176	74	5231
55	0	0	0	0	24	142	302	291	100	8	0	0	867
57	0	0	0	0	11	97	241	231	66	4	0	0	650
60	0	0	0	0	3	47	155	147	31	1	0	0	384
65	0	0	0	0	0	7	50	46	5	0	0	0	108
70	0	0	0	0	0	0	6	5	0	0	0	0	11

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	0	0	12	91	350	588	783	773	510	222	65	4	0	0	12	103	453	1041	1824	2597	3107	3329	3394	3398
45	0	0	3	28	204	439	628	618	360	112	24	0	0	0	3	31	235	674	1302	1920	2280	2392	2416	2416
50	0	0	0	10	94	290	473	463	222	44	5	0	0	0	0	10	104	394	867	1330	1552	1596	1601	1601
55	0	0	0	0	34	155	318	310	104	10	0	0	0	0	0	0	34	189	507	817	921	931	931	931
60	0	0	0	0	10	59	171	161	37	0	0	0	0	0	0	0	10	69	240	401	438	438	438	438
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	7	59	187	324	473	469	289	120	28	0	0	0	7	66	253	577	1050	1519	1808	1928	1956	1956

(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/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/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 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> |
|---|---|

## 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)