

Climatology of the United States

No. 20

1971-2000

Station: VANCEBORO 2, ME

COOP ID: 178974

Climate Division: ME 2

NWS Call Sign:

Elevation: 420 Feet

Lat: 45° 34N

Lon: 67° 26W

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	25.2	1.4	13.3	54+	2000	5	21.1	1990	-35	1971	19	4.4	1994	1602	0	.0	.0	.7	21.7	30.5	13.9
Feb	28.5	3.1	15.8	66	1994	21	26.0	1981	-30	1971	4	5.9	1993	1378	0	.0	.0	.7	16.9	27.4	10.5
Mar	38.5	15.6	27.1	69+	1989	28	33.0	1979	-21	2001	2	20.8	1972	1177	0	.0	.0	4.6	6.8	28.6	3.2
Apr	50.7	28.5	39.6	88+	1990	28	44.6	1987	0+	1977	8	35.1	1995	762	0	.0	.0	17.2	.3	21.2	@
May	65.4	39.3	52.4	97	1992	22	56.6	1989	15	1978	1	47.8	1974	394	3	.0	.3	29.3	.0	5.8	.0
Jun	74.7	48.5	61.6	96+	1991	29	66.0	1976	29	1988	9	57.0	1986	126	24	.0	1.2	30.0	.0	.3	.0
Jul	79.5	54.7	67.1	96	1991	20	70.6	1973	35	1969	7	62.4	1992	32	96	.0	1.7	31.0	.0	.0	.0
Aug	78.2	53.2	65.7	98	1975	2	68.7	1984	31	1986	30	62.7	1982	45	66	.0	1.2	31.0	.0	@	.0
Sep	68.7	44.3	56.5	94	1999	4	63.3	1999	26+	2000	29	52.4	1978	260	5	.0	.1	29.9	.0	2.3	.0
Oct	56.1	32.8	44.5	81	1968	16	49.4	1995	12	1985	29	40.2	1974	636	0	.0	.0	25.0	.0	14.6	.0
Nov	42.4	24.8	33.6	71	1990	4	38.1	1979	-5+	1989	30	30.0	1992	943	0	.0	.0	7.9	3.4	23.0	.2
Dec	30.4	9.8	20.1	60+	1982	6	28.6	1996	-32	1989	30	4.2	1989	1391	0	.0	.0	1.5	16.5	29.8	6.9
Ann	53.2	29.7	41.4	98	Aug 1975	2	70.6	Jul 1973	-35	Jan 1971	19	4.2	Dec 1989	8746	194	.0	4.5	208.8	65.6	183.5	34.7

+ 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: 1965-2001

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

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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: VANCEBORO 2, ME

COOP ID: 178974

Climate Division: ME 2

NWS Call Sign:

Elevation: 420 Feet Lat: 45°34N

Lon: 67°26W

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	3.68	3.23	3.05	1969	7	8.98	1979	.46	1985	9.8	6.9	2.5	.9	1.04	1.39	1.92	2.38	2.83	3.30	3.82	4.43	5.23	6.48	7.64
Feb	2.50	2.64	3.03	1970	4	4.70	1982	.50	1991	8.0	5.4	1.6	.4	.66	.90	1.26	1.58	1.89	2.22	2.59	3.02	3.59	4.47	5.31
Mar	3.16	2.95	2.32	1980	18	6.67	1999	.71	1990	10.5	6.9	2.3	.4	1.33	1.62	2.02	2.35	2.66	2.97	3.31	3.70	4.19	4.94	5.62
Apr	3.47	3.59	1.93	1988	25	6.91	1973	.97	1992	11.0	7.0	2.2	.7	1.16	1.48	1.97	2.37	2.77	3.17	3.62	4.13	4.80	5.83	6.78
May	4.08	3.64	2.10	1983	31	8.29	1983	.44	1982	12.6	8.3	2.9	.8	1.02	1.40	2.00	2.52	3.04	3.59	4.20	4.93	5.88	7.39	8.79
Jun	3.81	3.23	3.52	1992	22	11.62	1977	1.41	1991	12.2	7.5	2.4	.7	1.20	1.57	2.10	2.56	3.00	3.46	3.97	4.56	5.32	6.50	7.60
Jul	3.94	3.53	3.30	1996	14	9.07	1996	1.63	1977	11.9	7.7	2.6	.9	1.65	2.01	2.52	2.93	3.32	3.71	4.13	4.62	5.23	6.17	7.02
Aug	3.64	3.43	3.08	1970	2	9.26	1991	.64	1975	10.7	6.4	2.5	.9	.88	1.22	1.75	2.23	2.70	3.19	3.75	4.41	5.28	6.65	7.94
Sep	4.07	3.66	2.90	1999	17	7.17	1999	2.10	1984	10.4	7.3	2.8	1.0	2.01	2.35	2.82	3.20	3.55	3.89	4.26	4.68	5.21	6.00	6.71
Oct	3.92	4.01	2.27	1990	24	7.17	1977	1.12	1986	11.3	7.1	2.9	1.0	1.43	1.80	2.33	2.77	3.20	3.63	4.10	4.65	5.35	6.43	7.41
Nov	4.31	3.96	3.42	1995	8	8.49	1995	1.51	1978	11.5	7.7	2.8	1.0	1.85	2.24	2.78	3.23	3.64	4.06	4.51	5.03	5.69	6.68	7.58
Dec	3.54	2.93	2.40	1976	27	6.89	1973	1.03	1986	10.6	7.5	2.5	.6	1.15	1.49	1.98	2.40	2.81	3.23	3.69	4.22	4.91	5.99	6.98
Ann	44.12	43.35	3.52	Jun 1992	22	11.62	Jun 1977	.44	May 1982	130.5	85.7	30.0	9.3	33.49	35.60	38.27	40.28	42.05	43.76	45.51	47.43	49.75	53.08	55.94

+ 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: 1965-2001

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

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

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Station: VANCEBORO 2, ME

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Climate Division: ME 2

NWS Call Sign:

Elevation: 420 Feet

Lat: 45°34N

Lon: 67°26W

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	17.1	16.1	12	12	20.0	1982	2	41.9	1994	36	1982	26	31	1982	6.3	4.8	2.3	1.0	.1	25.5	22.7	20.2	13.2
Feb	11.6	10.6	13	13	12.5	1995	5	27.5	1988	42	1982	23	36	1982	4.9	3.8	1.9	.8	@	24.6	22.0	20.6	12.8
Mar	15.2	15.3	11	9	14.0	1984	14	32.8	1999	50	1971	13	36	1971	4.5	3.7	1.8	1.0	.2	22.5	20.1	17.3	10.1
Apr	4.6	4.0	2	1	11.0	1982	7	16.5	1996	26	1971	2	16	1971	2.0	1.6	.5	.3	@	5.3	3.1	1.9	.6
May	.1	.0	#	0	2.0	1990	22	2.0	1990	#+	1998	27	#+	1998	.1	.1	.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	.3	.0	#	0	4.1	1979	9	4.1	1979	4	1979	9	#+	2000	.1	.1	.1	.0	.0	.1	.1	.0	.0
Nov	5.0	3.2	1	#	12.0	1989	21	23.2	1997	17	1997	30	4	1997	2.4	1.6	.7	.3	@	3.9	2.5	1.4	.5
Dec	16.4	15.2	6	5	14.0	1989	3	47.4	1972	30	1997	8	23	1997	5.4	4.5	2.4	1.0	.1	18.5	14.8	12.5	7.5
Ann	70.3	64.4	N/A	N/A	20.0	Jan 1982	2	47.4	Dec 1972	50	Mar 1971	13	36+	Feb 1982	25.7	20.2	9.7	4.4	.4	100.4	85.3	73.9	44.7

+ 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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Climate Division: ME 2

NWS Call Sign:

Elevation: 420 Feet

Lat: 45°34N

Lon: 67°26W

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	6/20	6/15	6/12	6/09	6/06	6/03	6/01	5/28	5/23
32	6/09	6/04	5/31	5/28	5/25	5/22	5/19	5/15	5/10
28	5/21	5/16	5/13	5/10	5/07	5/04	5/01	4/28	4/23
24	5/09	5/04	5/01	4/29	4/26	4/24	4/21	4/18	4/14
20	4/29	4/23	4/20	4/16	4/13	4/10	4/07	4/03	3/29
16	4/18	4/13	4/10	4/07	4/04	4/01	3/29	3/25	3/20
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	8/29	9/02	9/06	9/09	9/11	9/14	9/17	9/20	9/25
32	9/12	9/16	9/19	9/21	9/24	9/26	9/28	10/01	10/05
28	9/24	9/27	9/30	10/02	10/04	10/06	10/08	10/10	10/13
24	10/07	10/11	10/14	10/17	10/19	10/21	10/23	10/26	10/30
20	10/17	10/21	10/25	10/28	10/31	11/02	11/05	11/09	11/13
16	10/31	11/04	11/07	11/09	11/12	11/14	11/17	11/20	11/24
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	117	110	105	100	96	92	88	83	76
32	142	135	129	125	121	117	112	107	100
28	163	158	155	152	149	146	143	140	135
24	194	188	183	179	175	171	167	162	156
20	222	214	209	204	199	195	190	185	177
16	242	235	230	225	221	217	213	208	201

* 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: 420 Feet Lat: 45° 34N Lon: 67° 26W

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	1602	1378	1177	762	394	126	32	45	260	636	943	1391	8746
60	1447	1238	1022	612	253	43	4	6	137	481	793	1236	7272
57	1354	1154	929	522	180	18	0	1	82	389	703	1143	6475
55	1292	1098	867	462	138	8	0	0	55	330	643	1081	5974
50	1137	958	712	316	60	1	0	0	15	193	493	926	4811
32	582	461	205	13	0	0	0	0	0	1	71	414	1747

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	4	8	51	242	631	888	1088	1044	735	388	118	46	5243
55	0	0	0	0	56	206	375	332	99	4	0	0	1072
57	0	0	0	0	36	156	313	271	67	2	0	0	845
60	0	0	0	0	16	91	223	182	32	0	0	0	544
65	0	0	0	0	3	24	96	66	5	0	0	0	194
70	0	0	0	0	0	2	23	11	0	0	0	0	36

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	1	11	94	407	664	852	804	513	202	47	2	0	1	12	106	513	1177	2029	2833	3346	3548	3595	3597
45	0	0	2	31	267	514	697	649	365	102	14	0	0	0	2	33	300	814	1511	2160	2525	2627	2641	2641
50	0	0	0	13	145	365	542	494	229	39	2	0	0	0	0	13	158	523	1065	1559	1788	1827	1829	1829
55	0	0	0	2	63	230	387	341	115	10	0	0	0	0	0	2	65	295	682	1023	1138	1148	1148	1148
60	0	0	0	0	20	114	236	197	45	1	0	0	0	0	0	0	20	134	370	567	612	613	613	613
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	11	74	261	418	549	517	315	132	21	0	0	0	11	85	346	764	1313	1830	2145	2277	2298	2298

(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