

Climatography of the United States

No. 20

1971-2000

Station: VAN BUREN 2, ME

COOP ID: 178965

Climate Division: ME 1

NWS Call Sign:

Elevation: 456 Feet

Lat: 47° 10N

Lon: 67° 56W

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	18.8	-7.0	5.9	52	1996	20	13.3	1983	-47+	1995	11	-3.3	1994	1833	0	.0	.0	.2	26.0	30.7	21.9
Feb	22.9	-5.3	8.8	61	1994	21	23.6	1981	-44+	1975	10	-1.9	1993	1575	0	.0	.0	.3	22.1	27.8	19.0
Mar	33.7	9.8	21.8	67	1986	27	30.3	1979	-37	2001	2	15.0	1997	1340	0	.0	.0	1.7	12.9	29.8	8.8
Apr	46.3	26.9	36.6	85	1990	28	42.4	1987	-10	1964	2	32.5	1972	852	0	.0	.0	10.9	1.7	23.8	.2
May	62.1	38.7	50.4	94	1992	23	56.3	1999	18+	1987	4	43.6	1974	455	3	.0	.2	27.2	.0	8.5	.0
Jun	71.9	48.5	60.2	93	1988	16	64.8	1999	28+	1994	4	55.1	1986	158	14	.0	.5	29.9	.0	.9	.0
Jul	76.1	53.9	65.0	95	1991	20	69.2	1975	36	1986	1	60.3	1992	64	64	.0	.8	31.0	.0	.0	.0
Aug	74.3	51.5	62.9	94+	2001	7	66.8	1990	26	1985	30	57.6	1982	104	39	.0	.4	31.0	.0	.2	.0
Sep	64.5	42.3	53.4	90+	2001	10	61.7	1999	19	1984	23	49.1	1978	350	2	.0	@	29.3	.0	4.7	.0
Oct	51.8	31.9	41.9	80	1968	17	47.2	1995	13	1972	21	37.5	1972	719	0	.0	.0	18.1	.1	17.9	.0
Nov	38.3	22.7	30.5	71	1989	1	35.1	2000	-16	1986	23	25.2	1986	1035	0	.0	.0	4.0	8.1	25.5	.9
Dec	25.2	4.5	14.9	59	1963	1	24.9	1973	-35+	1989	31	.8	1989	1554	0	.0	.0	.3	21.8	30.7	13.9
Ann	48.8	26.5	37.7	95	Jul 1991	20	69.2	Jul 1975	-47+	Jan 1995	11	-3.3	Jan 1994	10039	122	.0	1.9	183.9	92.7	200.5	64.7

+ 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: 1963-2001

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

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No. 20 1971-2000

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

Station: VAN BUREN 2, ME

COOP ID: 178965

Climate Division: ME 1

NWS Call Sign:

Elevation: 456 Feet Lat: 47°10N

Lon: 67°56W

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	2.75	2.62	1.53	1996	28	4.78	1995	.66	1985	11.2	6.6	1.6	.2	1.10	1.35	1.71	2.01	2.29	2.57	2.88	3.24	3.69	4.38	5.02
Feb	1.97	2.18	1.22	1988	13	3.89	1976	.22	1987	9.3	5.2	1.1	.1	.57	.76	1.04	1.28	1.52	1.77	2.05	2.37	2.79	3.45	4.07
Mar	2.28	2.19	1.38	1998	10	4.55	1991	.99	1985	11.1	6.3	1.4	.2	.92	1.13	1.43	1.67	1.90	2.14	2.39	2.68	3.05	3.62	4.14
Apr	2.65	2.52	1.33	1997	29	5.16	2000	1.15	1999	11.3	7.1	1.6	.2	1.25	1.48	1.79	2.05	2.29	2.53	2.78	3.07	3.44	3.99	4.48
May	3.39	3.50	1.78	1997	17	5.98	1997	.88	1982	13.1	8.0	2.2	.4	1.27	1.59	2.04	2.42	2.78	3.15	3.55	4.01	4.60	5.51	6.33
Jun	3.51	3.28	1.73	1992	23	6.68	1984	1.00	1983	13.0	8.3	2.2	.6	1.55	1.87	2.30	2.66	2.99	3.32	3.68	4.09	4.61	5.40	6.11
Jul	4.36	4.20	2.65	1982	23	8.81	1998	1.42	1977	14.0	8.7	2.6	.8	2.02	2.40	2.93	3.35	3.75	4.15	4.57	5.05	5.66	6.58	7.41
Aug	3.84	3.75	3.39	1991	20	7.98	1986	1.54	1995	13.4	8.2	2.5	.8	1.52	1.87	2.38	2.79	3.19	3.59	4.02	4.53	5.16	6.14	7.03
Sep	3.36	3.43	3.27	1979	7	7.10	1999	1.23	1984	13.1	7.0	2.2	.6	1.60	1.89	2.29	2.61	2.91	3.20	3.52	3.89	4.34	5.03	5.65
Oct	3.25	2.80	1.95	1963	30	9.18	1990	1.13	1994	13.6	7.7	1.8	.4	.99	1.30	1.76	2.16	2.54	2.94	3.38	3.90	4.56	5.60	6.56
Nov	3.14	2.97	1.86	1983	26	8.90	1983	1.59	1996	13.0	7.2	2.1	.3	1.34	1.62	2.02	2.35	2.65	2.96	3.29	3.67	4.15	4.88	5.54
Dec	3.05	2.56	2.43	1973	18	8.79	1973	.88	1988	12.4	7.5	1.6	.5	1.04	1.33	1.75	2.10	2.45	2.80	3.18	3.63	4.20	5.09	5.91
Ann	37.55	36.99	3.39	Aug 1991	20	9.18	Oct 1990	.22	Feb 1987	148.5	87.8	22.9	5.1	29.76	31.33	33.31	34.79	36.09	37.33	38.60	39.99	41.66	44.06	46.10

+ 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: 1963-2001

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

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Station: VAN BUREN 2, ME

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Climate Division: ME 1

NWS Call Sign:

Elevation: 456 Feet

Lat: 47°10N

Lon: 67°56W

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	25.5	26.3	19	19	17.0	1994	18	49.0	1994	56	1998	31	45	1998	7.7	6.6	3.4	1.9	.3	29.8	29.0	27.4	20.2
Feb	17.8	16.0	25	27	16.0	1988	13	37.0	1977	55	1997	23	46	1997	6.2	5.4	2.7	1.1	.2	27.6	27.2	26.3	21.9
Mar	13.0	12.5	22	22	11.0	1974	22	26.0	1991	54	1997	11	46	1997	4.8	4.2	1.9	.7	.2	29.4	28.5	26.6	23.2
Apr	5.3	3.8	5	4	7.5	1982	3	20.5	1982	27	1997	1	16	1977	2.3	2.1	.7	.3	.0	13.9	9.7	7.9	4.1
May	.0	.0	#	#	1.0	1974	8	1.0	1974	2	1996	13	#+	1999	.1	.1	.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	4.0	1997	28	4.0+	2000	4+	2000	30	#+	2000	.2	.2	@	.0	.0	.3	.1	.0	.0
Nov	8.2	8.0	2	1	12.0	1986	22	25.0	1974	15	1986	23	5	1986	2.9	2.1	.9	.3	.1	9.1	4.6	2.4	.5
Dec	19.9	20.5	8	7	20.0	1989	4	35.0	1978	34	1989	17	26	1989	6.9	6.1	2.8	1.2	.1	25.6	21.7	18.4	8.6
Ann	90.0	87.1	N/A	N/A	20.0	Dec 1989	4	49.0	Jan 1994	56	Jan 1998	31	46+	Mar 1997	31.1	26.8	12.4	5.5	.9	135.7	120.8	109.0	78.5

+ 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 1

NWS Call Sign:

Elevation: 456 Feet

Lat: 47° 10N

Lon: 67° 56W

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	6/23	6/18	6/15	6/12	6/09	6/06	6/03	5/30	5/25
32	6/13	6/08	6/05	6/01	5/30	5/27	5/24	5/20	5/15
28	5/29	5/25	5/22	5/19	5/16	5/14	5/11	5/08	5/04
24	5/14	5/10	5/07	5/04	5/02	4/30	4/27	4/24	4/20
20	4/29	4/26	4/23	4/21	4/19	4/16	4/14	4/12	4/08
16	4/22	4/17	4/14	4/11	4/09	4/06	4/04	4/01	3/27
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	8/20	8/26	8/30	9/02	9/06	9/09	9/12	9/16	9/22
32	9/02	9/07	9/10	9/13	9/16	9/18	9/21	9/25	9/29
28	9/14	9/19	9/23	9/26	9/29	10/02	10/05	10/09	10/14
24	9/25	9/29	10/03	10/06	10/09	10/12	10/15	10/18	10/23
20	10/08	10/14	10/18	10/21	10/24	10/27	10/31	11/04	11/09
16	10/23	10/29	11/02	11/05	11/08	11/11	11/14	11/18	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	112	104	98	93	88	83	78	73	64
32	130	122	117	113	108	104	100	94	87
28	156	148	143	139	135	131	126	121	114
24	179	172	167	163	159	155	151	146	139
20	207	200	196	192	188	184	180	175	168
16	229	223	219	216	212	209	205	201	195

* 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: 456 Feet Lat: 47°10N Lon: 67°56W

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	1833	1575	1340	852	455	158	64	104	350	719	1035	1554	10039
60	1678	1435	1185	702	312	61	12	31	215	564	885	1399	8479
57	1585	1351	1092	612	235	28	3	12	147	471	795	1306	7637
55	1523	1295	1030	552	190	15	0	5	109	411	735	1244	7109
50	1368	1155	875	404	98	2	0	0	42	266	585	1089	5884
32	810	653	355	43	0	0	0	0	0	5	115	559	2540

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	0	2	38	182	570	846	1023	958	642	309	71	27	4668
55	0	0	0	0	47	171	310	249	61	2	0	0	840
57	0	0	0	0	30	125	251	194	39	1	0	0	640
60	0	0	0	0	14	68	166	121	17	0	0	0	386
65	0	0	0	0	3	14	64	39	2	0	0	0	122
70	0	0	0	0	0	1	12	6	0	0	0	0	19

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	5	50	330	607	771	707	400	126	19	0	0	0	5	55	385	992	1763	2470	2870	2996	3015	3015
45	0	0	0	15	203	458	616	552	258	57	7	0	0	0	0	15	218	676	1292	1844	2102	2159	2166	2166
50	0	0	0	3	110	315	461	398	147	20	1	0	0	0	0	3	113	428	889	1287	1434	1454	1455	1455
55	0	0	0	1	53	191	310	251	69	3	0	0	0	0	0	1	54	245	555	806	875	878	878	878
60	0	0	0	0	18	98	176	131	25	0	0	0	0	0	0	0	18	116	292	423	448	448	448	448
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	5	39	208	373	485	436	239	75	11	0	0	0	5	44	252	625	1110	1546	1785	1860	1871	1871

(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