U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: NOME AP, AK **COOP ID: 506496**

Climate Division: AK 7 **NWS Call Sign: OME** **Elevation: 13 Feet** **Lat: 64˚31N** **Lon: 165˚27W**

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 >= 90	Max >= 70	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	13.4	-1.8	5.8	43+	1977	13	24.7	1977	-54+	1989	28	-15.2	1989	1836	0	.0	.0	.0	27.9	30.9	16.6
Feb	13.6	-2.3	5.7	48	1986	13	22.5	1989	-42+	1978	8	-17.2	1990	1663	0	.0	.0	.0	25.0	28.1	15.8
Mar	17.7	1.0	9.4	43	1984	7	22.2	1981	-46	1971	11	-6.8	1972	1710	0	.0	.0	.0	26.9	30.9	14.9
Apr	26.8	12.4	19.6	51+	1988	27	27.6	1993	-30	1968	7	1.3	1985	1361	0	.0	.0	.1	19.6	28.8	7.4
May	43.0	31.1	37.1	78	1981	30	43.8	1983	-10	1964	1	27.5	1992	867	0	.0	.3	8.1	4.2	18.2	.2
Jun	53.9	40.6	47.3	81	1957	11	51.9	1986	23	1974	4	41.1	1985	533	0	.0	2.2	19.5	.0	3.0	.0
Jul	58.6	46.6	52.6	86+	1977	31	58.1	1977	30	1994	12	47.2	1973	387	2	.0	3.4	27.2	.0	.2	.0
Aug	56.0	45.2	50.6	83	1966	8	58.0	1977	26	1994	28	44.9	1984	446	0	.0	.9	27.7	.0	1.2	.0
Sep	48.6	37.2	42.9	71	1979	11	48.4	1997	9	1992	28	33.7	1992	664	0	.0	.1	13.4	.2	9.4	.0
Oct	34.0	22.9	28.5	59	1954	1	34.7	1979	-10	1966	28	21.8	1996	1134	0	.0	.0	.2	12.2	25.5	.6
Nov	23.0	10.8	16.9	45	1983	29	24.5	1979	-27+	1988	22	7.9	1988	1444	0	.0	.0	.0	24.1	28.9	7.5
Dec	15.8	.9	8.4	43	1969	20	24.3	1985	-41+	1961	28	-9.4	1999	1756	0	.0	.0	.0	27.3	30.9	15.4
Ann	33.7	20.4	27.1	86+	Jul 1977	31	58.1	Jul 1977	-54+	Jan 1989	28	-17.2	Feb 1990	13801	2	.0	6.9	96.2	167.4	236.0	78.4

\+ 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/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1949-2001

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

Issue Date: May 2005

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Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	.92	.89	1.09	1963	15	2.43	2000	.05	1971
Feb	.75	.56	.59	1975	3	2.11	1989	.00+	1979
Mar	.60	.49	.54	1985	5	1.78	1998	.00	1971
Apr	.65	.47	.65	1978	13	1.73	1989	.01	1992
May	.74	.48	.76	1996	28	2.78	1998	.04	1994
Jun	1.14	.83	1.37	1953	23	4.15	1978	.06	1997
Jul	2.15	2.15	1.68	1953	19	4.78	1999	.32+	1988
Aug	3.23	3.22	2.36	1956	9	8.58	1998	.40	1971
Sep	2.51	2.17	1.28	1964	1	7.46	1986	.79	1974
Oct	1.58	1.51	1.88	1957	4	3.84	1972	.00	1974
Nov	1.28	1.11	.80	1979	5	4.39	1979	.14	1991
Dec	1.01	1.15	1.34	1949	31	1.88	1993	.09	1974
Ann	16.56	16.40	2.36	Aug 1956	9	8.58	Aug 1998	.00+	Feb 1979

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	11.0	3.1	.1	.0
Feb	7.5	2.7	.1	.0
Mar	8.4	1.9	.0	.0
Apr	7.9	2.3	.0	.0
May	8.8	2.5	.1	.0
Jun	9.2	3.5	.4	.0
Jul	11.8	5.4	1.3	.2
Aug	16.1	8.4	1.7	.3
Sep	14.8	7.4	1.1	.1
Oct	11.8	5.1	.5	.0
Nov	12.4	4.5	.2	.0
Dec	11.5	3.4	.2	.0
Ann	131.2	50.2	5.7	.6

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.20	.28	.42	.54	.66	.79	.94	1.11	1.34	1.71	2.06
Feb	.00	.04	.15	.26	.39	.53	.71	.93	1.23	1.75	2.26
Mar	.03	.08	.17	.26	.36	.46	.59	.74	.95	1.30	1.64
Apr	.03	.06	.14	.22	.32	.44	.59	.78	1.05	1.52	1.99
May	.05	.10	.19	.29	.41	.54	.70	.90	1.18	1.66	2.13
Jun	.10	.18	.33	.49	.66	.86	1.09	1.38	1.78	2.45	3.11
Jul	.48	.68	.99	1.28	1.56	1.86	2.20	2.61	3.15	4.00	4.81
Aug	.88	1.18	1.65	2.06	2.46	2.88	3.35	3.90	4.62	5.75	6.80
Sep	.75	.99	1.35	1.66	1.96	2.27	2.61	3.02	3.54	4.35	5.11
Oct	.24	.45	.72	.94	1.15	1.38	1.64	1.94	2.33	2.96	3.54
Nov	.18	.29	.47	.65	.83	1.04	1.28	1.57	1.96	2.60	3.21
Dec	.26	.35	.50	.63	.76	.90	1.05	1.23	1.46	1.83	2.17
Ann	10.29	11.45	12.96	14.13	15.18	16.22	17.29	18.50	19.98	22.16	24.07

\+ 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: 1949-2001
(3) Derived from 1971-2000 daily data

Complete documentation available from:
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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	9.9	9.7	9	8
Feb	6.2	5.4	11	7
Mar	6.4	6.1	13	9
Apr	5.8	4.8	8	7
May	2.6	1.5	1	1
Jun	.2	.0	#	0
Jul	.0	.0	0	0
Aug	#	.0	0	0
Sep	.4	.0	#	0
Oct	4.9	4.2	#	0
Nov	10.9	10.5	2	3
Dec	9.9	9.7	6	5
Ann	57.2	51.9	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	10.1	1999	22	21.7	2000	28	1978	13	26	1978
Feb	6.8	1999	11	17.1	2000	54	1995	3	51	1995
Mar	6.3	1998	31	18.1	1998	57	1995	5	53	1995
Apr	4.5	1999	29	13.8+	1998	43	1995	3	37	1975
May	4.6	1981	2	10.0	1977	34	1975	1	10	1975
Jun	1.7	1982	2	2.5	1982	1	1982	2	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	1.9	1993	29	3.5	1992	1+	1999	30	0	0
Oct	4.8	1973	24	12.5	1973	5	1973	31	1+	2000
Nov	8.6	1980	29	21.5	1993	13	1971	18	10	1971
Dec	14.0	1997	31	20.2	1993	28	1997	31	22	1997
Ann	14.0	Dec 1997	31	21.7	Jan 2000	57	Mar 1995	5	53	Mar 1995

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	9.7	3.2	.7	.3	@
Feb	6.3	2.3	.3	.2	.0
Mar	7.7	2.0	.4	.1	.0
Apr	6.9	2.1	.2	.0	.0
May	4.2	.9	.1	.0	.0
Jun	.3	@	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.7	.2	.0	.0	.0
Oct	6.8	1.7	.2	.0	.0
Nov	10.9	3.8	.7	.2	.0
Dec	9.9	3.2	.7	.2	@
Ann	63.4	19.4	3.3	1.0	@

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	27.3	27.2	21.9	11.2
Feb	26.3	24.7	20.7	10.8
Mar	28.3	26.7	23.3	13.0
Apr	27.0	22.4	17.9	8.7
May	9.9	5.5	3.5	1.3
Jun	@	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.1	.0	.0	.0
Oct	5.5	1.0	.1	.0
Nov	19.9	12.1	5.8	1.4
Dec	26.6	22.2	15.8	6.0
Ann	170.9	141.8	109.0	52.4

+ 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	7/25	7/17	7/12	7/08	7/04	6/30	6/25	6/20	6/13
32	7/02	6/25	6/20	6/15	6/11	6/07	6/02	5/28	5/21
28	6/07	6/03	5/30	5/27	5/25	5/22	5/19	5/16	5/11
24	5/26	5/21	5/17	5/14	5/11	5/08	5/05	5/01	4/26
20	5/18	5/13	5/09	5/06	5/03	4/30	4/27	4/23	4/18
16	5/12	5/07	5/04	5/01	4/28	4/26	4/23	4/20	4/15

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	8/03	8/09	8/13	8/17	8/20	8/23	8/27	8/31	9/06
32	8/12	8/19	8/23	8/27	8/31	9/04	9/08	9/12	9/19
28	8/27	9/02	9/07	9/11	9/14	9/18	9/22	9/26	10/03
24	9/14	9/19	9/22	9/25	9/28	10/01	10/03	10/07	10/11
20	9/22	9/26	9/29	10/02	10/04	10/06	10/09	10/12	10/16
16	10/02	10/07	10/10	10/13	10/16	10/18	10/21	10/25	10/29

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	75	65	58	52	46	41	35	28	18
32	112	101	93	86	80	74	67	59	49
28	135	127	121	117	112	108	103	97	90
24	164	155	149	144	139	134	129	123	114
20	175	167	162	157	153	149	144	139	132
16	191	183	178	174	170	165	161	156	149

***** 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)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1836	1663	1710	1361	867	533	387	446	664	1134	1444	1756	13801
60	1681	1523	1572	1211	712	384	244	301	516	979	1294	1601	12018
57	1588	1439	1479	1121	624	300	170	221	430	886	1204	1508	10970
55	1526	1383	1417	1061	566	246	129	175	375	824	1144	1446	10292
50	1372	1250	1262	914	426	134	52	86	248	669	994	1291	8698
32	858	789	734	437	95	1	0	0	15	180	474	771	4354

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	44	50	30	65	251	459	638	577	341	69	20	38	2582
55	0	0	0	0	9	13	55	39	11	0	0	0	127
57	0	0	0	0	5	7	33	23	6	0	0	0	74
60	0	0	0	0	0	1	14	10	2	0	0	0	27
65	0	0	0	0	0	0	2	0	0	0	0	0	2
70	0	0	0	0	0	0	0	0	0	0	0	0	0

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	0	0	63	228	389	328	134	4	0	0	0	0	0	0	63	291	680	1008	1142	1146	1146	1146
45	0	0	0	0	27	119	239	183	51	0	0	0	0	0	0	0	27	146	385	568	619	619	619	619
50	0	0	0	0	5	55	115	71	9	0	0	0	0	0	0	0	5	60	175	246	255	255	255	255
55	0	0	0	0	1	21	43	17	0	0	0	0	0	0	0	0	1	22	65	82	82	82	82	82
60	0	0	0	0	0	3	12	1	0	0	0	0	0	0	0	0	0	3	15	16	16	16	16	16
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	0	0	0	0	30	99	157	110	33	0	0	0	0	0	0	0	30	129	286	396	429	429	429	429

(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.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

f. Mean "number of days statistics" for temperature were calculated from a serially complete daily data set. A serial dataset was not available for precipitation,
To ensure that a station's data was adequate to estimate these statistics, the following criteria were used:
1. A station must have 80% of its data for the 1971-2000 time period.
2. Only months with at least 21 days are used.
3. There must be a least 21 months (meeting criteria 2.) in the sample.

g. Snowfall and snow depth statistics were derived daily values quality controlled to be consistent with 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 differences 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 are 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. Other inconsistencies may appear from comparing statistically modeled values such as degree days to observed temperatures.

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. 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/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/usnormalsprods.html
Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html