

Climatography of the United States

No. 20

1971-2000

Station: NORTHPORT, WA

COOP ID: 455946

Climate Division: WA 9

NWS Call Sign:

Elevation: 1,350 Feet Lat: 48° 55N

Lon: 117° 47W

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	32.5	20.8	26.7	57	1953	10	33.7	1981	-27+	1950	30	14.7	1979	1189	0	.0	.0	.2	12.7	28.5	1.7
Feb	39.6	24.5	32.1	60+	1995	25	38.1	1991	-27	1950	1	23.3	1989	923	0	.0	.0	2.0	4.5	24.3	.7
Mar	51.7	29.0	40.4	76	1994	30	46.2	1992	-11	1955	4	35.7	1971	765	0	.0	.0	18.6	.2	22.5	.0
Apr	63.6	34.8	49.2	92+	1977	25	53.3	1987	12	1936	1	45.4	1972	474	0	.0	.1	29.2	.0	12.3	.0
May	72.4	42.1	57.3	102+	1983	29	62.4	1993	20	1982	4	51.9	1996	252	11	.1	1.4	31.0	.0	2.9	.0
Jun	79.2	47.6	63.4	103	1958	23	68.1	1992	26	1983	19	59.0	1981	106	58	.1	4.3	30.0	.0	.1	.0
Jul	86.5	51.8	69.2	110	1934	28	74.9	1985	30	1981	8	63.6	1993	32	161	1.8	12.3	31.0	.0	.1	.0
Aug	86.7	50.8	68.8	109	1961	4	73.0	1971	33+	1957	30	62.9	1975	38	154	1.7	12.8	31.0	.0	.0	.0
Sep	76.0	43.3	59.7	105	1950	2	65.0	1998	21	1936	14	54.5	1985	201	40	@	1.7	30.0	.0	1.7	.0
Oct	59.2	35.1	47.2	87	1952	1	50.9+	1988	8	1935	31	43.3	1984	554	0	.0	.0	26.5	@	11.2	.0
Nov	41.4	28.9	35.2	69	1975	3	40.3	1999	-11	1985	28	22.6	1985	896	0	.0	.0	4.7	2.6	20.0	.3
Dec	32.6	22.3	27.5	55+	1975	4	34.2	1979	-28	1968	30	17.7	1983	1164	0	.0	.0	.2	13.1	27.6	1.4
Ann	60.1	35.9	48.1	110	Jul 1934	28	74.9	Jul 1985	-28	Dec 1968	30	14.7	Jan 1979	6594	424	3.7	32.6	234.4	33.1	151.2	4.1

+ 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: 1920-2001

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

065-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: NORTHPORT, WA

COOP ID: 455946

Climate Division: WA 9

NWS Call Sign:

Elevation: 1,350 Feet Lat: 48°55N

Lon: 117°47W

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	1.84	1.91	.90	1934	19	2.98	1995	.03	1985	11.0	6.4	.6	.0	.48	.65	.92	1.15	1.38	1.63	1.90	2.22	2.64	3.30	3.92
Feb	1.54	1.41	.88	1986	15	3.40	1979	.26	1993	9.4	5.5	.3	.0	.48	.63	.85	1.03	1.21	1.40	1.60	1.84	2.15	2.63	3.07
Mar	1.62	1.52	1.41	2000	4	3.49	1983	.43	1994	10.3	5.7	.4	@	.48	.63	.87	1.06	1.26	1.46	1.68	1.94	2.28	2.81	3.30
Apr	1.60	1.61	1.10	1969	23	2.53	1984	.22	1977	8.7	5.0	.5	.0	.62	.77	.98	1.16	1.32	1.49	1.67	1.89	2.15	2.56	2.94
May	2.24	1.94	2.10	1998	27	6.48	1998	.55	1982	10.6	6.3	1.0	.2	.61	.82	1.15	1.43	1.71	2.00	2.32	2.70	3.19	3.97	4.69
Jun	2.19	2.33	2.49	1992	13	4.13	1992	.17	1974	10.0	5.6	1.2	.2	.65	.86	1.17	1.44	1.70	1.97	2.28	2.63	3.09	3.81	4.48
Jul	1.58	1.58	1.76	1998	11	3.39	1993	.15	1984	7.2	4.7	.7	.1	.29	.43	.66	.87	1.09	1.33	1.60	1.93	2.36	3.06	3.73
Aug	1.27	.93	1.48	1982	1	4.25	1976	.03	1986	5.7	3.4	.6	.1	.12	.22	.39	.56	.76	.97	1.23	1.55	1.98	2.71	3.42
Sep	1.21	1.14	1.50	1958	24	3.69	1997	.02+	1999	6.1	3.5	.6	.1	.08	.16	.31	.48	.67	.88	1.14	1.46	1.92	2.69	3.45
Oct	1.23	1.17	1.57	1938	3	2.96	1996	.07	1974	7.7	4.3	.4	@	.19	.29	.47	.64	.82	1.01	1.23	1.50	1.87	2.46	3.03
Nov	2.15	2.11	.99	1996	27	4.93	1973	.53	1993	12.1	7.5	.6	.0	.72	.93	1.22	1.48	1.72	1.97	2.24	2.56	2.96	3.59	4.17
Dec	2.46	2.71	1.10	1981	5	4.33	1973	.61	1985	12.3	7.6	1.0	.1	.83	1.06	1.40	1.69	1.97	2.25	2.56	2.92	3.39	4.11	4.78
Ann	20.93	20.09	2.49	Jun 1992	13	6.48	May 1998	.02+	Sep 1999	111.1	65.5	7.9	.8	15.79	16.80	18.09	19.06	19.91	20.73	21.58	22.50	23.62	25.24	26.62

+ 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: 1920-2001

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

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

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: NORTHPORT, WA

COOP ID: 455946

Climate Division: WA 9

NWS Call Sign:

Elevation: 1,350 Feet

Lat: 48° 55N

Lon: 117° 47W

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	14.2	14.0	10	10	8.0	1980	14	31.3	1982	28	1982	23	20	1978	6.9	5.8	2.0	.6	.0	26.3	24.3	22.1	17.6
Feb	8.6	6.3	8	8	9.0	1986	15	28.0	1975	26	1975	21	21	1975	4.0	3.5	1.0	.4	.0	18.0	16.5	14.8	9.7
Mar	1.7	.3	2	1	4.0	1971	26	8.5	1997	20	1975	1	8+	1997	1.2	.8	.2	.0	.0	5.7	4.6	3.7	1.1
Apr	.1	.0	#	0	1.5	1975	5	3.0	1975	#	1981	5	#	1981	.1	.1	.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	.1	.0	#	0	1.0	1971	31	1.0+	1972	#+	1972	27	#+	1972	.1	.1	.0	.0	.0	.0	.0	.0	.0
Nov	7.5	5.0	1	#	9.0	1996	27	33.5	1973	15	1996	29	5	1996	3.5	2.9	.9	.3	.0	5.5	3.2	1.1	.2
Dec	19.1	17.3	5	3	15.0	1980	21	38.0	1971	31	1980	21	17+	1996	7.6	6.3	2.5	.9	.1	20.9	16.2	12.4	6.4
Ann	51.3	42.9	N/A	N/A	15.0	Dec 1980	21	38.0	Dec 1971	31	Dec 1980	21	21	Feb 1975	23.4	19.5	6.6	2.2	.1	76.4	64.8	54.1	35.0

+ 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

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Climatography of the United States

No. 20 1971-2000

Station: NORTHPORT, WA

COOP ID: 455946

Climate Division: WA 9

NWS Call Sign:

Elevation: 1,350 Feet

Lat: 48° 55N

Lon: 117° 47W

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	6/13	6/08	6/03	5/30	5/26	5/21	5/16	5/09
32	6/08	5/30	5/23	5/17	5/12	5/07	5/01	4/25	4/16
28	5/12	5/04	4/28	4/24	4/19	4/14	4/09	4/04	3/27
24	4/21	4/15	4/10	4/06	4/02	3/29	3/25	3/21	3/14
20	4/09	3/30	3/23	3/17	3/11	3/06	2/28	2/20	2/10
16	3/19	3/10	3/02	2/24	2/19	2/13	2/07	1/31	1/21
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	9/04	9/09	9/13	9/16	9/19	9/22	9/26	9/30	10/05
32	9/16	9/21	9/24	9/27	9/30	10/03	10/06	10/10	10/15
28	9/26	10/02	10/06	10/09	10/12	10/16	10/19	10/23	10/29
24	10/07	10/15	10/20	10/25	10/30	11/03	11/08	11/14	11/22
20	10/24	11/01	11/07	11/12	11/17	11/21	11/26	12/02	12/10
16	10/29	11/08	11/16	11/22	11/29	12/05	12/11	12/19	12/29
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	143	132	124	118	112	105	99	91	80
32	173	162	154	147	140	134	127	118	107
28	208	197	189	182	176	169	162	154	143
24	242	231	223	216	210	204	197	189	178
20	291	276	266	258	249	241	233	222	208
16	326	311	300	291	282	274	264	253	238

* 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:

www.ncdc.noaa.gov/oa/climate/normal/usnormals.html

**Climatology
of the United States
No. 20
1971-2000**

Station: NORTHPORT, WA

COOP ID: 455946

Climate Division: WA 9

NWS Call Sign:

Elevation: 1,350 Feet Lat: 48° 55N

Lon: 117° 47W

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	1189	923	765	474	252	106	32	38	201	554	896	1164	6594
60	1034	783	610	326	132	38	7	10	106	400	746	1009	5201
57	941	699	517	241	80	16	1	3	64	309	656	916	4443
55	879	643	455	188	52	8	0	1	43	251	596	854	3970
50	724	503	306	83	13	0	0	0	12	126	450	699	2916
32	231	106	14	0	0	0	0	0	0	0	77	217	645

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	65	107	273	516	783	942	1152	1139	829	470	171	77	6524
55	0	0	0	14	122	261	439	427	183	8	0	0	1454
57	0	0	0	6	87	208	378	366	144	4	0	0	1193
60	0	0	0	2	47	140	291	280	95	1	0	0	856
65	0	0	0	0	11	58	161	154	40	0	0	0	424
70	0	0	0	0	1	15	72	66	12	0	0	0	166

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	2	79	283	537	707	904	895	596	241	26	0	0	2	81	364	901	1608	2512	3407	4003	4244	4270	4270
45	0	0	18	149	383	557	749	740	447	120	4	0	0	0	18	167	550	1107	1856	2596	3043	3163	3167	3167
50	0	0	0	66	235	408	594	585	305	42	0	0	0	0	0	66	301	709	1303	1888	2193	2235	2235	2235
55	0	0	0	19	120	262	440	430	177	10	0	0	0	0	0	19	139	401	841	1271	1448	1458	1458	1458
60	0	0	0	2	44	142	289	280	80	0	0	0	0	0	0	2	46	188	477	757	837	837	837	837
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	1	70	212	355	444	554	551	397	160	7	0	0	1	71	283	638	1082	1636	2187	2584	2744	2751	2751

(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