

# Climatography of the United States

No. 20

1971-2000

Station: BANDON 2 NNE, OR

COOP ID: 350471

Climate Division: OR 1

NWS Call Sign:

Elevation: 20 Feet

Lat: 43°09N

Lon: 124°24W

## 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	54.3	38.2	46.3	75	1976	30	50.4	1981	15	1950	31	42.2	1972	583	0	.0	.0	26.0	.0	6.6	.0
Feb	55.6	39.3	47.5	79+	1986	26	51.5	1991	14	1989	5	40.9	1989	492	0	.0	.0	25.2	.1	4.6	.0
Mar	56.2	39.7	48.0	78+	1987	29	51.6	1986	26+	1974	8	44.1	1976	512	0	.0	.0	29.7	.0	3.3	.0
Apr	58.2	41.3	49.8	86	1999	15	54.4	1992	29+	1988	8	45.5	1975	459	0	.0	.0	29.9	.0	1.3	.0
May	61.1	44.7	52.9	90	1970	31	57.3	1997	30+	1972	24	50.6+	1977	374	0	.0	.0	31.0	.0	.2	.0
Jun	64.3	48.5	56.4	93	1950	2	59.2	1997	33+	1950	8	52.6	1976	258	0	.0	.0	30.0	.0	.0	.0
Jul	66.9	51.0	59.0	85+	1986	29	61.3	1992	37	1949	6	56.3	1977	188	0	.0	.0	31.0	.0	.0	.0
Aug	67.7	50.8	59.3	90	1968	30	62.3	1997	35+	1973	22	56.6	1988	179	2	.0	.0	31.0	.0	.0	.0
Sep	67.6	48.0	57.8	100	1990	21	62.0	1979	31	2000	23	55.0	1986	220	3	.0	.1	30.0	.0	.1	.0
Oct	63.7	44.0	53.9	97	1991	10	56.2	1979	27	1985	9	51.1	1971	346	0	.0	.1	30.9	.0	.5	.0
Nov	57.3	41.4	49.4	79	1966	1	52.6	1995	21	1978	13	43.7	1985	470	0	.0	.0	28.7	.0	2.8	.0
Dec	54.0	38.2	46.1	77	1980	15	50.8	1995	8	1990	21	39.9	1990	585	0	.0	.0	25.8	.1	6.3	.0
Ann	60.6	43.8	52.2	100	Sep 1990	21	62.3	Aug 1997	8	Dec 1990	21	39.9	Dec 1990	4666	5	.0	.2	349.2	.2	25.7	.0

+ 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

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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: BANDON 2 NNE, OR**

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**Elevation: 20 Feet**

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**Lon: 124°24W**

**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	9.22	9.53	4.00	1953	18	17.50	1995	1.00	1985	20.0	14.8	6.5	2.5	2.63	3.50	4.83	5.97	7.10	8.27	9.56	11.09	13.07	16.17	19.06	
Feb	7.76	7.22	4.99	1961	10	15.10	1983	1.95	1988	18.9	13.6	5.3	2.2	2.50	3.24	4.32	5.25	6.14	7.07	8.08	9.27	10.80	13.17	15.37	
Mar	7.39	7.78	3.87	1972	2	11.67	1989	2.71	1992	20.6	14.5	5.4	1.5	3.16	3.82	4.76	5.52	6.24	6.97	7.75	8.64	9.78	11.50	13.06	
Apr	4.61	3.75	3.30	1971	9	11.35	1978	1.18	1987	16.8	10.6	2.6	.6	1.19	1.63	2.30	2.88	3.47	4.08	4.76	5.56	6.61	8.27	9.83	
May	3.16	2.93	2.56	1963	6	7.47	1998	.21	1992	12.9	7.2	1.6	.7	.58	.86	1.33	1.75	2.19	2.66	3.20	3.85	4.71	6.09	7.42	
Jun	1.63	1.50	1.80	1971	25	3.92	1984	.20	1991	9.3	4.3	.8	.1	.29	.43	.67	.89	1.12	1.37	1.65	1.99	2.45	3.18	3.88	
Jul	.43	.27	1.14	1983	1	2.17	1983	.05+	1994	4.6	1.0	.1	.1	.02	.05	.10	.16	.22	.30	.39	.52	.69	.97	1.26	
Aug	.90	.55	3.40	1977	24	3.88	1977	.01+	1988	6.2	1.9	.4	.2	.02	.05	.12	.23	.36	.53	.75	1.05	1.48	2.25	3.04	
Sep	1.63	.96	1.91	1997	17	5.45	1986	.00	1975	7.3	3.7	1.1	.3	.01	.05	.20	.39	.64	.95	1.35	1.90	2.69	4.10	5.54	
Oct	3.88	3.60	3.18	1990	30	8.54	1975	.34	1987	12.4	7.4	2.6	.8	.56	.88	1.44	1.98	2.54	3.16	3.87	4.74	5.92	7.83	9.68	
Nov	9.13	8.60	6.25	1996	18	23.35	1973	2.32	1993	21.3	14.9	6.4	2.3	2.82	3.69	4.98	6.09	7.16	8.27	9.49	10.93	12.78	15.67	18.35	
Dec	9.71	9.79	5.61	1987	3	20.96	1981	1.63	1976	20.7	14.6	6.8	2.7	2.48	3.40	4.81	6.06	7.28	8.58	10.02	11.73	13.96	17.48	20.78	
Ann	59.45	58.53	6.25	Nov 1996	18	23.35	Nov 1973	.00	Sep 1975	171.0	108.5	39.6	14.0	38.65	42.54	47.59	51.47	54.96	58.35	61.89	65.82	70.64	77.69	83.84	

+ 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

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**NWS Call Sign:**

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**Lon: 124°24W**

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	.2	.0	#	0	2.5	1972	27	5.9	1972	#+	1975	31	#+	1975	.1	.1	.0	.0	.0	.0	.0	.0	.0
Feb	.2	.0	#	0	3.0	1989	2	4.5	1989	#	1974	22	#	1974	.2	.1	@	.0	.0	.0	.0	.0	.0
Mar	.0	.0	0	0	.4	1981	4	.4	1981	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Apr	#	.0	0	0	#	1975	24	#	1975	0	0	0	0	0	.0	.0	.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	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	#	.0	0	0	#	1973	27	#	1973	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.1	.0	#	0	2.0	1972	6	2.0	1972	2+	1998	20	#+	1998	.1	.1	.0	.0	.0	.2	.0	.0	.0
Ann	.5	.0	N/A	N/A	3.0	Feb 1989	2	5.9	Jan 1972	2+	Dec 1998	20	#+	Dec 1998	.4	.3	@	.0	.0	.2	.0	.0	.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

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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	5/28	5/21	5/15	5/11	5/06	5/02	4/27	4/22	4/14
32	5/07	4/25	4/17	4/09	4/02	3/26	3/19	3/10	2/26
28	3/18	3/03	2/20	2/11	2/02	1/24	1/13	12/29	0/00
24	2/02	1/18	1/05	12/21	0/00	0/00	0/00	0/00	0/00
20	1/08	12/13	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	12/29	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
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	9/19	9/28	10/05	10/11	10/17	10/23	10/29	11/05	11/14
32	10/15	10/26	11/03	11/10	11/16	11/23	11/30	12/08	12/19
28	11/08	11/20	11/29	12/07	12/15	12/23	1/02	1/14	0/00
24	12/06	12/23	1/07	1/24	0/00	0/00	0/00	0/00	0/00
20	12/30	1/26	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	1/11	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	205	191	180	171	163	155	146	135	121
32	285	265	251	239	227	216	204	189	170
28	>365	>365	359	331	316	304	292	279	261
24	>365	>365	>365	>365	>365	>365	>365	>365	338
20	>365	>365	>365	>365	>365	>365	>365	>365	>365
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

\* 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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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	583	492	512	459	374	258	188	179	220	346	470	585	4666
60	428	352	373	309	221	115	58	56	96	193	320	430	2951
57	336	272	285	222	137	52	16	16	47	112	237	339	2071
55	279	221	228	167	91	24	5	5	23	69	184	282	1578
50	149	113	111	62	19	1	0	0	2	10	83	153	703
32	0	0	0	0	0	0	0	0	0	0	0	0	0

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	440	433	495	531	649	733	836	845	773	677	520	438	7370
55	6	9	10	8	27	67	127	138	106	32	14	7	551
57	2	5	5	3	11	34	76	86	70	13	7	2	314
60	0	0	0	0	2	7	25	34	29	2	0	0	99
65	0	0	0	0	0	0	0	2	3	0	0	0	5
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	217	234	261	304	409	499	598	614	545	443	296	217	217	451	712	1016	1425	1924	2522	3136	3681	4124	4420	4637
45	97	115	120	156	254	349	443	459	395	288	157	94	97	212	332	488	742	1091	1534	1993	2388	2676	2833	2927
50	27	35	34	44	109	199	288	304	246	144	59	30	27	62	96	140	249	448	736	1040	1286	1430	1489	1519
55	0	1	0	2	26	64	135	149	109	45	6	0	0	1	1	3	29	93	228	377	486	531	537	537
60	0	0	0	0	0	1	26	31	19	4	0	0	0	0	0	0	0	1	27	58	77	81	81	81
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	85	97	110	132	187	235	305	318	291	229	124	85	85	182	292	424	611	846	1151	1469	1760	1989	2113	2198

(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](http://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](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)